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GEOTHERMAL RESOURCES

EXPLORATION & EXPLOITATION

JULY 1976

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INTRODUCTION

The heat of the Earth represents the largest energy reservoir nearest to man. It has been estimated that a considerable portion of this energy resource is sufficiently concentrated near the surface to make its recovery economically viable. The technology required for economic recovery and utilization of geothermal energy in the form of steam and hot water is rapidly developing, while heat extraction from hot dry rock provides a challenge for future utilization.

To aid the industrial and scientific community concerned with geothermal-resource exploration and development, the ERDA Technical Information Center has cataloged, indexed, and stored in machine-readable form a major portion of the scientific and technical information published on this subject. The coverage dates back as far as useful references could be obtained and extends through June 1976.

The compilation includes 5476 citations of foreign and domestic research reports, journal articles, patents, conference proceedings, and books. The citations in this compilation and those being added on a continuing basis may be recalled using ERDA's on-line computer retrieval system, RECON. In addition, current research results are announced regularly in *Geothermal Energy Update*, a quarterly publication prepared by ERDA's TIC.

References are arranged in broad subject categories and are made up of complete bibliographic citations. These are followed by a listing of subject descriptors used to describe the subject content of each reference for machine storage and retrieval.

Four indexes are provided: Corporate, Personal Author, Subject, and Report Number. Each index is introduced by text that describes its content and format.

This bibliography supersedes TID-3354 issued in March 1975.

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CITATIONS

GEOTHERMAL ENERGY

1 (AD/A--005549) TECHNOLOGICAL FEASIBILITY OF ALTERNATIVE ENERGY SOURCES. Zweigle, M.L. (Army War Coll., Carlisle Barracks, Pa. (USA)). 28 Oct 1974. 31p. NTIS $3.75.
USA;ENERGY SHORTAGES;ENERGY SOURCES; FEASIBILITY STUDIES;COAL GASIFICATION;COAL LIQUEFACTION;OIL SHALES;GEOTHERMAL ENERGY

2 (ANCR--1129) NUCLEAR TECHNOLOGY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING JUNE 30, 1973. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Dec 1973. Contract AT(10-1)-1375. 410p. Dep. NTIS $10.60.
NUCLEAR PROPERTIES;RESEARCH PROGRAMS;LEADING ABSTRACT;REACTORS;PLANNING;GEOTHERMAL POWER PLANTS;DESIGN;GEOTHERMAL ENERGY

3 (ANCR--1139) FY 1974 PROGRAM PLAN FOR GEOTHERMAL PROJECT. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). 5 Feb 1974. Contract AT(10-1)-1375. 76p. NTIS $5.45.
RESEARCH PROGRAMS;GEOTHERMAL ENERGY;US AEC; IDAHO;SITE SELECTION;GEOLOGY;DESIGN

4 (CONF-710571--) PAPERS PRESENTED AT THE FIRST NORTHWEST CONFERENCE ON GEOTHERMAL POWER, MAY 21, 1971, OLYMPIA, WASHINGTON. (Washington State Dept. of Natural Resources, Olympia (USA)). 1971. vp. Dept. of Natural Resources, Olympia, WA.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
Nine individual papers. GEOTHERMAL ENERGY; MEETINGS

5 (CONF-710571--, pp vp, Paper 4) HIGHLIGHTS OF THE 1970 U.N. SYMPOSIUM ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL RESOURCES, AT PISA, ITALY. Bowen, R.G. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
GEOTHERMAL ENERGY;MEETINGS;REVIEWS

6 (CONF-720742--) PROCEEDINGS OF THE ENERGY RESEARCH PRIORITIES CONFERENCE HELD AT BERWICK ACADEMY, SOUTH BERWICK, MAINE, JULY 30--AUGUST 4, 1972. (National Science Foundation, Washington, D.C. (USA)). [nd]. 161p.
From Energy research priorities conference; South Berwick, Maine, USA (30 Jul 1972).
ENERGY POLICY;MEETINGS;ENERGY CONSERVATION; ECONOMIC POLICY;SOLAR ENERGY;GEOTHERMAL ENERGY; COAL;ENERGY CONVERSION;LMFBR TYPE REACTORS; REGULATIONS;REGULATORY GUIDES;FUSION REACTIONS; COST BENEFIT ANALYSIS;RESEARCH PROGRAMS; ENVIRONMENTAL EFFECTS;ENERGY CONSUMPTION; PETROLEUM;ELECTRIC POWER;USA;NUCLEAR ENERGY;US AEC;MANAGEMENT;ENERGY RESERVES;OIL SHALES;OIL SANDS;SYNTHETIC FUELS;URANIUM ORES;ENERGY

7 (CONF-730560--1) ALTERNATIVE ENERGY SOURCES: A RESEARCH CHALLENGE. George, D.W. (Sydney Univ. (Australia)). 1973. 21p. Dep. NTIS (US Sales Only) $3.25.
From Symposium on the energy crisis: implications for secondary industry; Sydney, Australia (23 May 1973).
RESEARCH PROGRAMS;SOLAR ENERGY;ENVIRONMENT; NATURAL GAS;AUSTRALIA;ENERGY SOURCES;ENERGY CONVERSION;FOSSIL FUELS;ENERGY CONSUMPTION; ENERGY SOURCE CONSERVATION;ECONOMICS;TIDAL POWER;GEOTHERMAL ENERGY;WIND; MAGNETOHYDRODYNAMICS;HYDROELECTRIC POWER;FUEL CELLS

8 (COO--2460-1) CONFERENCE ON THERMODYNAMICS AND NATIONAL ENERGY PROBLEMS, WARRENTON, VIRGINIA, JUNE 10--12, 1974. (National Academy of Sciences, Washington, D.C. (USA)). 1974. 436p. (CONF-740660--). Dep. NTIS $10.60.
ENERGY SOURCES;THERMODYNAMICS;EFFICIENCY; COAL;FOSSIL FUELS;SOLAR ENERGY;GEOTHERMAL ENERGY;THERMONUCLEAR REACTIONS;NUCLEAR REACTIONS

9 (EPRI-FF--2) FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION RESEARCH PROGRESS REPORT FF-2. (Electric Power Research Inst., Palo Alto, Calif. (USA)). Jan 1975. 40p. NTIS $4.00.
RESEARCH PROGRAMS;FOSSIL FUELS;SOLAR ENERGY; ENERGY STORAGE;PROJECT INDEPENDENCE;REVIEWS; FLUIDIZED-BED COMBUSTION;COAL LIQUEFACTION;COAL GASIFICATION;ENERGY CONVERSION;THERMONUCLEAR REACTORS;RADIOACTIVE WASTE DISPOSAL

10 (EPRI-FF--3, pp 24-42) STAFF REPORTS. Jul 1975.
Fossil Fuel and Advanced Systems Division. Progress report.
Review of major projects. COAL GASIFICATION; COAL LIQUEFACTION;FLUIDIZED-BED COMBUSTION; SULFUR OXIDES;REMOVAL;CONTROL;COAL MINING; ENERGY STORAGE;FLYWHEELS;ELECTRIC BATTERIES;GAS TURBINES;SOLAR ENERGY;GEOTHERMAL ENERGY; THERMONUCLEAR REACTORS;METALS;EROSION;CORROSION; SCRUBBERS;FLUE GAS;DESULFURIZATION;NITROGEN OXIDES;COMBINED CYCLES;COAL;MHD GENERATORS

11 (ERDA--86) DEFINITION REPORT. GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT AND

DEMONSTRATION PROGRAM. (Energy Research and Development Administration, Washington, D.C. (USA). Div. of Geothermal Energy). Oct 1975. vp. Dep. NTIS $5.45.
US ERDA;RESEARCH PROGRAMS;GEOTHERMAL ENERGY; MANAGEMENT;INDUSTRY;GEOTHERMAL RESOURCES; PLANNING;USA

12 (N--74-29337) ENERGY: A SPECIAL BIBLIOGRAPHY WITH INDEXES, APRIL 1974. (National Aeronautics and Space Administration, Washington, D.C. (USA)). Apr 1974. 534p. (NASA-SP--7042). NTIS $6.00.
BIBLIOGRAPHIES;ENERGY SOURCES;GEOTHERMAL RESOURCES;SOLAR ENERGY;WIND POWER;ENERGY POLICY; ENERGY CONVERSION;ENERGY STORAGE

13 (NASA-SP--7042) ENERGY--A SPECIAL BIBLIOGRAPHY WITH INDEXES. (National Aeronautics and Space Administration, Washington, D.C. (USA)). Apr 1974. 524p. NTIS $6.00; $2.25 (mf).
ENERGY;BIBLIOGRAPHIES;SOLAR ENERGY; GEOTHERMAL ENERGY;NUCLEAR POWER;POWER TRANSMISSION;ENERGY STORAGE

14 (NASA-SP--7043(01)) ENERGY, A CONTINUING BIBLIOGRAPHY WITH INDEXES. (National Aeronautics and Space Administration, Washington, D.C. (USA)). May 1974. 68p. NTIS $4.00; $2.25 (mf).
ENERGY;BIBLIOGRAPHIES;SOLAR ENERGY; GEOTHERMAL ENERGY;NUCLEAR POWER;POWER TRANSMISSION;HYDROGEN;ENERGY STORAGE

15 (NSF/RA/N--74-159) PROCEEDINGS OF THE CONFERENCE ON RESEARCH FOR THE DEVELOPMENT OF GEOTHERMAL ENERGY RESOURCES HELD IN PASADENA, CALIFORNIA, SEPTEMBER 23--25, 1974. (Jet Propulsion Lab., Pasadena, Calif. (USA)). 31 Dec 1974. Contract NAS 7-100. 357p. (CONF-740959--). Dep. NTIS $21.00.
LEADING ABSTRACT;GEOTHERMAL ENERGY;MEETINGS

16 (NSF/RA/N--74-159, pp 7-12) NATIONAL GEOTHERMAL ENERGY RESEARCH PROGRAM. Green, R.J. (National Science Foundation, Washington, DC). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;USA; NATIONAL ORGANIZATIONS;GEOTHERMAL RESOURCES; ENERGY POLICY

17 (NSF/RA/N--74-159, pp 13-22) NSF/RANN FY 1975 PROGRAM FOR GEOTHERMAL RESOURCES RESEARCH AND TECHNOLOGY. Kruger, P. (National Science Foundation, Washington, DC). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL RESOURCES;RESEARCH PROGRAMS; GEOTHERMAL ENERGY;USA;ENERGY SOURCES;ENERGY POLICY;US NSF

18 (NSF/RA/N--74-159, pp 23-32) GEOTHERMAL RESEARCH AND DEVELOPMENT PROGRAM OF THE U.S. ATOMIC ENERGY COMMISSION. Werner, L.B. (Atomic Energy Commission, Washington, DC). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
US ERDA;US AEC;GEOTHERMAL ENERGY;RESEARCH PROGRAMS;ELECTRIC POWER;HEAT;USA

19 (NSF/RA/N--74-159, pp 33-40) OVERVIEW OF RECLAMATION'S GEOTHERMAL PROGRAM IN IMPERIAL VALLEY, CALIFORNIA. Fulcher, M.K. (Bureau of Reclamation, Boulder City, NV). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
IMPERIAL VALLEY;US ORGANIZATIONS;USA; CALIFORNIA;GEOTHERMAL FLUIDS;BRINES; DESALINATION;FRESH WATER;MINERALS;RECOVERY; GEOTHERMAL WELLS;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES;RESEARCH PROGRAMS;PRODUCTION

20 (NSF/RA/N--74-159, pp 41) U.S. GEOLOGICAL SURVEY'S PROGRAM IN GEOTHERMAL ENERGY RESEARCH AND DEVELOPMENT. Eaton, G.P. (Geological Survey, Denver); Klick, D.W. 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL RESOURCES;US ORGANIZATIONS; GEOTHERMAL ENERGY;RESEARCH PROGRAMS;GEOLOGY; GEOCHEMISTRY;GEOPHYSICS;HYDROLOGY;USA

21 (NSF/RA/N--74-159, pp 111) ROLE OF THE U.S. GEOLOGICAL SURVEY IN ASSESSING THE NATION'S GEOTHERMAL ENERGY RESOURCES. Eaton, G.P. (Geological Survey, Denver). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
US ORGANIZATIONS;USA;GEOTHERMAL RESOURCES; PUBLIC LANDS;GEOTHERMAL EXPLORATION;RESEARCH PROGRAMS;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;HYDROLOGY

22 (NSF/RA/N--74-159, pp 115-121) HAWAII GEOTHERMAL PROJECT. Kamins, R.M. (Univ. of Hawaii, Honolulu). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
HAWAII;GEOTHERMAL EXPLORATION;RESEARCH PROGRAMS;GEOPHYSICS;ENERGY POLICY;ENGINEERING; WELL DRILLING;GEOTHERMAL ENERGY

23 (NSF/RA/N--74-159, pp 160-163) IMPERIAL VALLEY'S PROPOSAL TO DEVELOP A GUIDE FOR GEOTHERMAL DEVELOPMENT WITHIN ITS COUNTY. Pierson, D.E. (Imperial County Department of Public Works, El Centro, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).

Proceedings of the conference on research for the development of geothermal energy resources.
IMPERIAL VALLEY;GEOTHERMAL RESOURCES; PLANNING;SITE SELECTION;ECONOMIC DEVELOPMENT; LAND USE;ENVIRONMENTAL EFFECTS;GEOLOGY; ENGINEERING;RESEARCH PROGRAMS

24 (NSF/RA/N--74-159, pp 325-330) COMBINING TOTAL ENERGY AND ENERGY INDUSTRIAL CENTER CONCEPTS TO INCREASE UTILIZATION EFFICIENCY OF GEOTHERMAL ENERGY. Bayliss, B.P. (Lloyd Corp. and Magma Energy, Inc., Los Angeles). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
ENERGY CONSUMPTION;ENERGY CONVERSION;TOTAL ENERGY SYSTEMS;INDUSTRY;EFFICIENCY;POWER GENERATION;GEOTHERMAL ENERGY

25 (NSF/RA/N--74-159, pp 331-334) COOPERATIVE EFFORTS BY INDUSTRY AND GOVERNMENT TO DEVELOP GEOTHERMAL RESOURCES. Butler, D.R. (Chevron Oil Minerals Staff, San Francisco). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GOVERNMENT POLICIES;USA;RESEARCH PROGRAMS; INDUSTRY;US ORGANIZATIONS;PLANNING;GEOTHERMAL ENERGY

26 (NSF/RA/N--74-159, pp 345-348) UTILITY COMPANY VIEWS OF GEOTHERMAL DEVELOPMENT. Hinrichs, T.C. (San Diego Gas and Electric Co., CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
INDUSTRY;GEOTHERMAL ENERGY;ECONOMIC DEVELOPMENT;ENERGY SUPPLIES;RELIABILITY

27 (NSF/RA/N--74-159, pp 349) NEED FOR FOCUSING GEOTHERMAL RESEARCH AND DEVELOPMENT EFFORTS. Spencer, D.F. (Electric Power Research Inst., Palo Alto, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
RESEARCH PROGRAMS;HYDROTHERMAL SYSTEMS; PLANNING;GEOTHERMAL ENERGY

28 (NSF/RA/N--117(Vol.1)) PROCEEDINGS: NATIONAL CONFERENCE ON GEOTHERMAL ENERGY, PALM SPRINGS, CALIFORNIA, MAY 10--11, 1973. VOLUME I. Leh, M. (ed.). (California Univ., Riverside (USA)). Aug 1973. vp. (CONF-7305117--P1). Univ. of California, Riverside.
GEOTHERMAL ENERGY;MEETINGS

29 (NTIS/PS--75/377) GEOTHERMAL ENERGY. A BIBLIOGRAPHY WITH ABSTRACTS. PERIOD COVERED: 1964--APRIL 1975. Smith, M.F. (National Technical Information Service, Springfield, Va. (USA)). Apr 1975. 200p. NTIS $25.00.
BIBLIOGRAPHIES;GEOTHERMAL ENERGY

30 (PB--201071) REPORT TO THE SECRETARY OF THE INTERIOR OF THE ADVISORY COMMITTEE ON ENERGY. (Department of the Interior, Washington, DC. Advisory Committee on Energy). 30 Jun 1971. 45p. NTIS $3.00; $0.95 (mf).
Economic surveys of various types of energy.
ECONOMICS;ENERGY;COAL;COAL RESERVES;PRODUCTION; PETROLEUM;SYNTHETIC FUELS;FUEL OILS;FUEL GAS; NATURAL GAS;HYDROELECTRIC POWER;REVIEWS;WIND POWER;TIDAL POWER;NUCLEAR POWER;SOLAR ENERGY; GEOTHERMAL ENERGY

31 (PB--218830, pp 83) UNITED NATIONS CONFERENCE ON NEW SOURCES OF ENERGY: SOLAR ENERGY, WIND POWER AND GEOTHERMAL ENERGY, ROME, 21--31 AUGUST 1961, VOL. 2-3. 1964.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
UNITED NATIONS;GEOTHERMAL ENERGY; EXPLOITATION;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;USES;MEETINGS;SOLAR ENERGY;WIND POWER; PROCEEDINGS

32 (PB--218830, pp 83) BIBLIOGRAPHY ON GEOTHERMAL RESEARCH. Talbot, J.B. (comp.). 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS; BIBLIOGRAPHIES;BRINES;GEOCHEMISTRY;HOT SPRINGS; GEYSERS;HEAT FLOW;HEAT TRANSFER;IMPERIAL VALLEY; NEW ZEALAND

33 (PB--218830) EXPLORATION AND EXPLOITATION OF GEOTHERMAL RESOURCES IN ARID AND SEMIARID LANDS. ARID LANDS RESOURCE INFORMATION PAPER NO. 2. A LITERAURE REVIEW AND SELECTED BIBLIOGRAPHY. (Arizona Univ., Tucson (USA). Office of Arid Lands Studies). 1973. 119p. NTIS $5.45.
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;EXPLOITATION;GEOTHERMAL ENERGY CONVERSION;BIBLIOGRAPHIES;DESERTS; CLIMATES;GEOTHERMAL POWER PLANTS

34 (PD--218830, pp 84) SYMPOSIUM ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL RESOURCES, PISA, 1970. PROCEEDINGS 2(1). 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
UNITED NATIONS;GEOTHERMAL RESOURCES; EXPLOITATION;GEOTHERMAL ENERGY;MEETINGS;USES; GEOTHERMAL EXPLORATION;PROCEEDINGS

35 (TID--3354) GEOTHERMAL RESOURCES: EXPLORATION AND EXPLOITATION. A BIBLIOGRAPHY. (Energy Research and Development Administration, Oak Ridge, Tenn. (USA). Technical Information Center). Mar 1975. 400p. Dep. NTIS $10.60.
BIBLIOGRAPHIES;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS;GEOPHYSICS;GEOCHEMISTRY; GEOLOGY

36 (TID--26747) GEOTHERMAL ENERGY. SGA-2. (USAEC, Washington, D.C.). 11 Nov 1974. 45p. Dep. NTIS $5.25.
US ERDA;GEOTHERMAL ENERGY;PLANNING;RESEARCH PROGRAMS;HEAT;ELECTRIC POWER;PILOT PLANTS; INDUSTRY

37 (UCID--3678) COLLECTION OF ENERGY

COURSES DESIGNED BY PARTICIPANTS OF THE ENERGY INSTITUTE FOR COLLEGE TEACHERS, SUMMER 1974. Shinners, C.W. (ed.). (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). Aug 1974. Contract W-7405-eng-48. 235p. Dep. NTIS $14.75.
ENERGY;EDUCATION;ENVIRONMENT;ENERGY SOURCES; ENERGY POLICY;TRANSPORTATION SYSTEMS; EARTHQUAKES;ECONOMICS;ENERGY CONSERVATION;SOLAR ENERGY;GEOTHERMAL ENERGY;ENERGY CONSUMPTION; ECOLOGY

38 (UCID--3792) STANDARDS FOR MULTILATERAL AND WORLDWIDE EXCHANGE OF GEOTHERMAL DATA. APPENDIX I. Herr, J.J.; Phillips, S.L.; Schwartz, S.R.; Trippe, T.G. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). 1975. 13p. Dep. NTIS $3.50.
GEOTHERMAL ENERGY;INFORMATION SYSTEMS; STANDARDIZED TERMINOLOGY;DATA

39 (WASH--1281-8) GEOTHERMAL ENERGY PROGRAM. SUBPANEL REPORT VIII USED IN PREPARING THE AEC CHAIRMAN'S REPORT TO THE PRESIDENT. (USAEC, Washington, D.C.). 13 Nov 1973. 192p. Dep. NTIS $12.75.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;BUDGETS; BRINES;ROCKS;GEOLOGIC DEPOSITS;PILOT PLANTS; EXPLORATION;ENVIRONMENT;LEGAL ASPECTS;ELECTRIC POWER;HEAT;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS

40 (WASH--1535-DR(Vol.4)) LIQUID METAL FAST BREEDER REACTOR PROGRAM. VOLUME IV. ALTERNATIVE TECHNOLOGY OPTIONS. ENVIRONMENTAL STATEMENT. (USAEC, Washington, D.C.). Mar 1974. 751p. Dep. NTIS $40.75.
BREEDER REACTORS;COMPARATIVE EVALUATIONS; ELECTRIC BATTERIES;ENERGY SOURCES;FOSSIL-FUEL POWER PLANTS;FUEL CELLS;GAS TURBINES;GCFR REACTOR;GEOTHERMAL ENERGY;HYDROELECTRIC POWER PLANTS;MAGNETOHYDRODYNAMICS;MSRE REACTOR; NATURAL GAS;OIL SANDS;OILS;SEAS;SOLAR ENERGY; TEMPERATURE GRADIENTS;THERMIONIC CONVERTERS; THERMOELECTRIC GENERATORS;THERMONUCLEAR REACTORS;TURBOGENERATORS;USA;WATER COOLED REACTORS;WATER MODERATED REACTORS;ENERGY STORAGE;OIL SHALES;ENERGY CONVERSION;MHD GENERATORS;ECONOMICS;ENVIRONMENTAL IMPACT STATEMENTS;TIDAL POWER;WIND POWER;HYDROGEN; INTERNAL COMBUSTION ENGINES;HYBRID SYSTEMS; POWER TRANSMISSION;ENERGY CONSUMPTION;ENERGY CONSERVATION
For abstract see NSA 30:11964

41 FURTHER DETAILS OF STUDIES ON UTILIZATION OF GEOTHERMAL ENERGY. Claude, G.; Claude, A.G. Genie Civil; 126: No. 12, 223-7(15 Jun 1949).
GEOTHERMAL ENERGY;USES;REVIEWS

42 ENERGY. Chalmers, B. New York; United States of America (USA); Academic Press (1963). 289p.
Book. ENERGY;ENERGY SOURCES;NUCLEAR ENERGY; EXPLOITATION;HEAT;HEAT TRANSFER;ELECTRIC POWER

43 GEOTHERMAL ENERGY. Dollar, A.T.J. Sci. J.; 1: 59-64(Sep 1965).
GEOTHERMAL ENERGY

44 GEOTHERMAL ENERGY. Reynolds, M.J. Am. Assoc. Pet. Geol. Bull.; 51: No. 9, 1905(1967).
From American Association of Petroleum Geologists Roundtable; (Sep 1967).
GEOTHERMAL ENERGY

45 IMPORTANCE OF UNCONVENTIONAL METHODS OF ENERGY CONVERSION FOR DEVELOPING COUNTRIES. Altfelder, K. (Battelle-Institut, Frankfurt am Main). Battelle Inform.; No. 1, 22-23(Mar 1968).
NUCLEAR POWER;WIND POWER;SOLAR POWER PLANTS; GEOTHERMAL POWER PLANTS;DEVELOPING COUNTRIES; ELECTRIC POWER

46 UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL RESOURCES. New York; United States of America (USA); United Nations (1971).
From UN Symposium on the Development and Utilization of Geothermal Resources; Pisa, Italy (22 Sep-1 Oct 1970).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; PLANNING;GEOPHYSICAL SURVEYS;MEETINGS;USES; GEOCHEMISTRY;EXPLOITATION;DRILLING;WATER RESERVOIRS;CORROSION;SCALING;GEOTHERMAL FLUIDS; POWER GENERATION;GEOTHERMAL POWER PLANTS; ECONOMICS;GEOTHERMAL ENERGY

47 ELECTRIC POWER AND COMPUTERS. Vowels, R.E. pp 313-27 of Information, computers, machines, and man. Karbowiak, A.E.; Huey, R.M. London, England; Wiley (1971).
ENERGY SUPPLIES;GEOTHERMAL ENERGY;ENERGY CONVERSION;ELECTRIC POWER;PLANNING;SOLAR ENERGY; MAGNETOHYDRODYNAMICS;HYDROELECTRIC POWER;TIDAL POWER;NUCLEAR POWER;POWER TRANSMISSION;FUEL CELLS;COMPUTERS;ENERGY SOURCES

48 ANNOTATED AND INDEXED BIBLIOGRAPHY OF GEOTHERMAL PHENOMENA. Summers, W.K. Socorro, NM; United States of America (USA); New Mexico Bureau of Mines and Mineral Resources (1971). 586p.
GEOTHERMAL ENERGY;BIBLIOGRAPHIES;GEOPHYSICS; HEAT FLOW

49 GEOTHERMAL ENERGY, A REVIEW. Jaffe, F.C. (Univ. Geneva, Geneva, SZ). Bull. Ver. Schweiz. Pet.- Geol. -Ing.; 38: No. 93, 17-40(1971).
75 references. GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY CONVERSION;REVIEWS;GEOTHERMAL ENERGY

50 ENERGY R AND D GOALS STUDY. New York; United States of America (USA); Federal Council for Science and Technology, Energy R and D Goals Committee (1972). The Conference Board, 845 Third Ave., New York, NY ($4.00, Associate and Educational, $16.00, Non-Associate, for entire proceedings).
ENERGY SOURCES;ENERGY DEMAND;ENERGY CONSUMPTION;ENERGY POLICY;POWER PLANTS;POWER GENERATION;FOSSIL FUELS;NUCLEAR ENERGY;SOLAR ENERGY;GEOTHERMAL ENERGY

51 TECHNICAL ALTERNATIVES FOR ENERGY MANAGEMENT. Freedman, S.I. (Penn. Univ., National Centre for Energy Management and Power; National Science Foundation). Report No. 72-WA, by the Energetics Div. of the ASME. New York; United States of America (USA); ASME (1972). 12p. ASME, $3.00; $1.00 to ASME members.
From Winter Annual Meeting of ASME; New York, NY (26-30 Nov 1972).
ENERGY POLICY;PLANNING;ENERGY DEMAND;POWER GENERATION;ECONOMICS;FOSSIL FUELS;NUCLEAR ENERGY;GEOTHERMAL ENERGY;SOLAR ENERGY;ENERGY CONSUMPTION;MANAGEMENT;ENERGY SOURCES

52 ENERGY RESOURCES AND ELECTRIC POWER SITUATION IN THE UNITED STATES. Altman, M.; Telkes, M.; Wolf, M. Energy Convers.; 12: 53-64(1972).
SOLAR ENERGY;GEOTHERMAL ENERGY;FEASIBILITY STUDIES;HOUSES;SOLAR SPACE HEATING; PHOTOSYNTHESIS

53 LONGER-RANGE TECHNOLOGICAL POTENTIALS FOR ENERGY DEVELOPMENT: AN ASSESSMENT OF THE PROSPECTS IN NEW ENERGY TECHNOLOGY. Starr, C. (Univ. of California, Los Angeles); Law, S.H.; Gregory, D.P.; Cochran, N.P.; Mayfield, L.G.; Balzhiser, R.E.; Gottlieb, M.B. pp 143-174 of Energy and public policy. Murphy, J.J. (ed.). New York; Conference Board (1972).
ENERGY;ENERGY STORAGE;FOSSIL FUELS;ENERGY SOURCES;PLANNING;NUCLEAR ENERGY;GEOTHERMAL ENERGY;MEETINGS;ENERGY CONVERSION;ENERGY STORAGE;ENVIRONMENTAL EFFECTS;BUDGETS;RESEARCH PROGRAMS;NATIONAL SCIENCE FOUNDATION; FORECASTING;THERMONUCLEAR REACTORS

54 TURNING TURBINES WITH GEOTHERMAL STEAM. Schuster, R. Power Eng.; 76: No. 3, 36-41(Mar 1972).
GEOTHERMAL ENERGY;ICELAND;DISTRICT HEATING; GEYSERS GEOTHERMAL FIELD;POWER GENERATION; EXPLOSIVE STIMULATION;NUCLEAR EXPLOSIVES;STEAM TURBINES;NATURAL STEAM;USES;REVIEWS;GEOTHERMAL POWER PLANTS

55 BUREAU OF RECLAMATION. Simmons, W.P.; Haugseth,L.A.; Timblin, L.O. (Bureau of Reclamation, Denver, CO. Applied Sciences Branch). J. Am. Water Works Assoc.; 64: No. 10, 624-7(Oct 1972).
Management of water resources related projects. WATER RESOURCES;GEOTHERMAL RESOURCES; LIQUID WASTES;USES;ATMOSPHERIC PRECIPITATIONS; US ORGANIZATIONS;PLANNING;RESEARCH PROGRAMS; MANAGEMENT;WATER QUALITY

56 SUMMARY OF AN ASSESSMENT OF NEW OPTIONS IN ENERGY RESEARCH AND DEVELOPMENT. Upton, NY; Associated Universities, Inc. (1973). 38p.
CONVERSION;RESEARCH PROGRAMS;ENERGY; MANAGEMENT;EXPLORATION;ENVIRONMENT;POLLUTION; ENERGY SOURCES;ECONOMICS;INDUSTRY;EDUCATION; MINING;REFINING;PETROLEUM;COAL;ENERGY RESERVES; NATURAL GAS;SOLAR ENERGY;OIL SHALES;BIOLOGICAL WASTES;ENERGY SOURCE CONSERVATION;GEOTHERMAL ENERGY;MHD GENERATORS;FUEL CELLS;BREEDER REACTORS;FUSION REACTIONS;SYNTHETIC FUELS;POWER TRANSMISSION;BUILDINGS;ENERGY POLICY

57 GEOTHERMAL ENERGY. REVIEW OF RESEARCH AND DEVELOPMENT. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973). 186p. Unipub, Inc., New York, $16.00.
Reviews. GEOTHERMAL ENERGY;RESEARCH PROGRAMS; BIBLIOGRAPHIES;EXPLORATION;REVIEWS

58 GEOTHERMAL POWER. Wood, B. pp 109-121 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL ENERGY;ELECTRIC POWER;POWER;POWER TRANSMISSION;STEAM;WATER;PRODUCTION;TURBINES; DESIGN;REGULATIONS;ENERGY SOURCES;GEOTHERMAL POWER PLANTS

59 GEOTHERMAL ENERGY. RESOURCES, PRODUCTION, STIMULATION. Kruger, P.; Otte, C. (eds.). Stanford, CA; Stanford University Press (1973). 369p. $17.50.
Proceedings of ANS special session, Las Vegas, Nevada, 6/72, book. GEOTHERMAL ENERGY; GEOLOGY;GEOCHEMISTRY;EFFICIENCY;ENVIRONMENT; ENERGY SOURCES;REVIEWS;MEETINGS;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;WATER RESOURCES;GAS TURBINES;GEOTHERMAL STIMULATION

60 GEOTHERMAL ENERGY: REVIEW OF RESEARCH AND DEVELOPMENT. Armstead, H.C.H. (ed.). Paris, France; France; United Nations Educational, Scientific and Cultural Organization (1973). 186p. UNIPUB, Inc., P.O. Box 433, Murray Hill Station, New York, NY 10016 $14.00.
GEOTHERMAL ENERGY;GEOTHERMAL WELLS;INDUSTRY; ECONOMICS;EXPLORATION;RESEARCH PROGRAMS;POWER GENERATION;GEOTHERMAL FIELDS;GEOTHERMAL POWER PLANTS;GEOLOGY;HYDROLOGY;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS

61 GEOTHERMAL POWER FOR HAWAII: PHASE I. Shupe, J.W. (Univ. of Hawaii, Honolulu). Geothermics; 2: No. 3-4, 101-104(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
HAWAII;GEOTHERMAL ENERGY;RESEARCH PROGRAMS; PLANNING;GEOPHYSICAL SURVEYS;ENGINEERING; ENVIRONMENT;GEOTHERMAL RESOURCES

62 FUSION AND OTHER LONG-RANGE STRATEGIES. Rose, D.J. (Massachusetts Inst. Tech.). Consult. Eng. (London); 40: No. 3, 164-70(Mar 1973).
THERMONUCLEAR REACTIONS;COAL GASIFICATION; GEOTHERMAL ENERGY;FOSSIL FUELS;ENERGY SOURCES; SULFUR DIOXIDE

63 TECHNICAL ALTERNATIVES FOR ENERGY MANAGEMENT. Freedman, S.I. (Univ. of Pennsylvania, Philadelphia). Energy Convers.; 13: No. 2, 57-65(Apr 1973).
CAPITAL;COAL;CONVERSION;DEUTERIUM;EFFICIENCY; ELECTRIC POWER;ENERGY CONSERVATION;ENERGY SOURCES;GAS TURBINES;GASES;GEOTHERMAL ENERGY; INVESTMENT;MANAGEMENT;MHD GENERATORS;SOLAR ENERGY;ORGANIZING;PERFORMANCE;PLANNING;SOLAR RADIATION;THORIUM 232;URANIUM 238
For abstract see NSA 28:04957

64 ENERGY OPTIONS. Bueche, A.M. (General Electric Research and Development Center, Schenectady, NY). J. Electrochem. Soc.; 120: No. 10, 295C-299C(Oct 1973).
COAL;ENERGY;ENERGY SOURCES;GEOTHERMAL ENERGY; HYDROELECTRIC POWER;MAGNETOHYDRODYNAMICS; NATURAL GAS;NUCLEAR POWER;PETROLEUM;PRODUCTION; RESEARCH PROGRAMS;REVIEWS;THERMONUCLEAR REACTIONS;USES;MHD GENERATORS;THERMONUCLEAR REACTORS;ENERGY STORAGE;POWER TRANSMISSION; SUPERCONDUCTING GENERATORS
For abstract see NSA 28:32092

65 THE POTENTIAL FOR ENERGY PRODUCTION FROM GEOTHERMAL RESOURCES: REPORT OF THE SUBCOMMITTEE ON WATER AND POWER RESOURCES, COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, FIRST SESSION. Washington, DC; United States of America (USA); Committee in Interior and Insular Affairs (Dec 1973). 40p. GPO $0.50.
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;GEOPRESSURED SYSTEMS;RESEARCH PROGRAMS; ENVIRONMENTAL EFFECTS;ENERGY POLICY;GOVERNMENT POLICIES;LEGISLATION

66 RESEARCH, DEVELOPMENT, AND THE ENERGY CRISIS. HEARING BEFORE THE SUBCOMMITTEE ON

ENERGY OF THE COMMITTEE ON SCIENCE AND ASTRONAUTICS, U.S. HOUSE OF REPRESENTATIVES, NINETY-THIRD CONGRESS, FIRST SESSION, NOVEMBER 20, 1973. Washington, DC; Committee on Science and Astronautics (1974). 210p.
RESEARCH PROGRAMS;ENERGY POLICY;LEGAL ASPECTS;ENERGY;ENERGY BALANCE;ENERGY CONSERVATION;ENVIRONMENTAL EFFECTS;NUCLEAR POWER;ELECTRIC POWER;CALIFORNIA;SOLAR POWER PLANTS;GEOTHERMAL ENERGY;USA

67 GEOTHERMAL ENERGY BOOK REVIEW. Bodvarsson, G. Earth-Sci. Rev.; 10: No. 2, 153(1974).
GEOTHERMAL ENERGY;REVIEWS

68 PROCEEDINGS OF A SYMPOSIUM ON GEOTHERMAL ENERGY AND COLORADO, DENVER, COLORADO, DECEMBER 6, 1973. Pearl, R.H. (ed.). Colorado Geological Survey Bulletin 35. Denver; Colorado Geological Survey (1974). 106p. (CONF-731226--). $3.00.
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
COLORADO;GEOTHERMAL RESOURCES;MEETINGS; GEOTHERMAL ENERGY CONVERSION

69 GEOTHERMAL ENERGY EXPLORATION, RESEARCH AND DEVELOPMENT. REPORT NO. 93-849 OF THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, SECOND SESSION. Washington, DC; United States of America (USA); Committee on Interior and Insular Affairs (1974). 13p.
ENERGY POLICY;GOVERNMENT POLICIES;GEOTHERMAL ENERGY;LEGISLATION;FINANCING;EXPLORATION; RESEARCH PROGRAMS;COST

70 THERMODYNAMICS AND NATIONAL ENERGY PROBLEMS. REPORT OF THE CONFERENCE HELD JUNE 10--12, 1974, AT AIRLIE HOUSE, WARRENTON, VA. Washington, DC; USA; National Academy of Sciences (1974). 424p.
THERMODYNAMICS;RESOURCES;COAL;FOSSIL FUELS; NUCLEAR ENERGY;GEOTHERMAL ENERGY;ENERGY STORAGE; SOLAR ENERGY;DATA ACQUISITION

71 REVIEW OF ALTERNATE ENERGY SOURCES. May, T.H.; Kube, W.R. NP--20606. Grand Forks, ND; United States of America (USA); University of North Dakota (1974). 127p. Engineering Experiment Station, Univ. of North Dakota, Grand Forks, ND 58202.
ENERGY CONSERVATION;CONSUMPTION RATES; HYDROGEN;ENERGY SOURCES;REVIEWS;GEOTHERMAL POWER PLANTS;SOLAR POWER PLANTS;HIGH BTU GAS; COAL LIQUEFACTION;OIL SHALES;WIND POWER; ELECTRIC POWER;HYDROELECTRIC POWER PLANTS; STORAGE;THERMONUCLEAR REACTORS;COAL GASIFICATION;ENERGY CONVERSION;FORECASTING; SOLAR SEA POWER PLANTS;PLANNING;OIL SANDS;SOLID WASTES;TIDAL POWER

72 ALTERNATIVE SOURCES OF ENERGY. Hambraeus, G. ERA (Foeren. Elektr. Ration. Anvaendning); 47: No. 3, 46-50(1974). (In Swedish).
SOLID WASTES;HOUSES;SHALE OIL;SOLAR CELLS; GEOTHERMAL ENERGY;WIND POWER;WATER RESOURCES; TEMPERATURE GRADIENTS;NATURAL GAS;NETHERLANDS; USSR;BREEDER REACTORS;HTGR TYPE REACTORS; RESEARCH PROGRAMS

73 GEOTHERMAL WORLD DIRECTORY. Meadows, K.F. (comp. and ed.). Glendora, CA; United States of America (USA); Katherine F. Meadows (1974). 302p.
GEOTHERMAL ENERGY

74 UTILIZATION OF UNCONVENTIONAL ENERGY RESOURCES. Gabel, J. (Vde, Offenbach, Germany). Elektrotech. Z., B; 26: No. 10, 264-6(3 May 1974).
GEOTHERMAL ENERGY;EXPLOITATION;USES;ENERGY SOURCES;SOLAR ENERGY;WIND POWER

75 (NSF--74-52(Vol.1)(No.2)) ENERGY RESEARCH AND TECHNOLOGY. ABSTRACTS OF NSF RESEARCH RESULTS. Guthrie, M.P. (Oak Ridge National Lab., Tenn. (USA); National Science Foundation, Washington, D.C. (USA)). Aug 1974. 12p. GPO. NTIS.
23 abstracts. BIBLIOGRAPHIES;RESEARCH PROGRAMS;NATIONAL SCIENCE FOUNDATION; MAGNETOHYDRODYNAMICS;SOLAR ENERGY;GEOTHERMAL ENERGY

76 NINTH WORLD ENERGY CONFERENCE. Lucchini, A.P. Rev. Electrotec. ; 60: No. 6, 199-205(Nov-Dec 1974). (In Spanish).
Brief summary. ENERGY SOURCES;MEETINGS; ENERGY CONSUMPTION;MHD GENERATORS;EFFICIENCY; SOLAR ENERGY CONVERSION;FUEL CELLS;GEOTHERMAL ENERGY CONVERSION;FLYWHEELS;ENERGY STORAGE

77 GEOTHERMAL ENERGY. ENERGY TECHNOLOGY REVIEW NO. 4. Berman, E.R. Park Ridge, NJ; London, England; United States of America (USA); Noyes Data Corp. (1975).
GEOTHERMAL ENERGY;REVIEWS;GEOTHERMAL RESOURCES;USSR;HOT-DRY-ROCK SYSTEMS;PLOWSHARE PROJECT;EXPLOSIVE STIMULATION;NUCLEAR EXPLOSIVES;GEOTHERMAL WELLS;SCALING;CALIFORNIA; BRINES;RESEARCH PROGRAMS;USA

78 ENERGY AND HUMAN WELFARE: A CRITICAL ANALYSIS. VOLUME II. ALTERNATIVE TECHNOLOGIES FOR POWER PRODUCTION. Commoner, B.; Boksenbaum, H.; Corr, M. (eds.). New York; United States of America (USA); Macmillan Information (1975). 213p. Macmillan Information, 866 Third Avenue, New York, NY 10022 $40.00 for 3 volumes.
ELECTRIC POWER;POWER GENERATION;FOSSIL FUELS; RESOURCES;NUCLEAR FUELS;SYNTHETIC FUELS;COAL; FUEL CELLS;SOLID WASTES;ENERGY SOURCES; THERMONUCLEAR REACTIONS;GEOTHERMAL ENERGY;SOLAR ENERGY

79 OUTLOOK OF NEW ENERGY SOURCES. Chang, W.Y. (Taiwan Power Corp., Taipei). K'uang Yeh Chi Shu; 13: No. 2, 40-70(1975).
SOLAR ENERGY;MHD GENERATORS;FUEL CELLS; GEOTHERMAL ENERGY

80 1975 ANNUAL MEETINGS, SALT LAKE CITY, UTAH, OCTOBER 20--22, 1975. New York; United States of America (USA); Geological Society of America (1975). vp.
GEOTHERMAL ENERGY;MEETINGS

81 GEOTHERMAL ENERGY. Berman, E.R. ISBN 0-8155-0563-9. Energy Technology Review No. 4. Park Ridge, NJ; United States of America (USA); Noyes Data Corporation (1975). 350p. $24.00.
Book. GEOTHERMAL ENERGY;USSR;NUCLEAR EXPLOSIVES;RESEARCH PROGRAMS;CALIFORNIA;BRINES; FEASIBILITY STUDIES;TEXAS;IDAHO;GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS

82 HYDROTHERMAL-ENERGY SOURCES AND

UTILIZATION. pp 506-574 of Energy. Vol. II. Penner, S.S.; Icerman, L. Reading, MA; Addison-Wesley Publishing Co., Inc. (1975).
HYDROTHERMAL SYSTEMS;REVIEWS;GEOTHERMAL EXPLORATION;SCALING;CORROSION;USES;ECONOMICS; COST;ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES

83 NSF/RANN FY 1975 PROGRAM FOR GEOTHERMAL RESOURCES RESEARCH AND TECHNOLOGY. Kruger, P. (Natl. Sci. Foundation, Washington, DC). Geotherm. Energy Mag.; 3: No. 4, 15-20(Apr 1975).
RESEARCH PROGRAMS;NATIONAL SCIENCE FOUNDATION;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;WELL DRILLING;ENGINEERING; GEOTHERMAL WELLS;RESERVES;GEOTHERMAL ENERGY CONVERSION;EXPLOITATION;LEGAL ASPECTS; ENVIRONMENTAL EFFECTS

84 SOME REFLECTIONS ON THE HISTORY OF THE UNITED NATIONS AND U.S. GOVERNMENT GEOTHERMAL ACTIVITIES. Barnea, J. Geotherm. Energy Mag.; 3: No. 5, 16-18(May 1975).
UNITED NATIONS;US ORGANIZATIONS;USA; GOVERNMENT POLICIES;ENERGY POLICY;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;MEETINGS; INTERNATIONAL ORGANIZATIONS;REVIEWS;GEOTHERMAL ENERGY

85 GEOTHERMAL PROGRAM AT SYSTEMS, SCIENCE, AND SOFTWARE, INC. Geotherm. Energy Mag.; 3: No. 5, 34-37(May 1975).
INDUSTRY;GEOTHERMAL ENERGY;RESEARCH PROGRAMS; SEISMOLOGY;UNDERGROUND EXPLOSIONS;MATHEMATICAL MODELS;GEOTHERMAL SYSTEMS;ENVIRONMENTAL EFFECTS; WELL LOGGING;MEASURING INSTRUMENTS;INJECTION WELLS;INTERNATIONAL COOPERATION

86 SECOND UNITED NATIONS GEOTHERMAL SYMPOSIUM: A REVIEW. Saint, P.K. (California State Univ., Fullerton). Geotherm. Energy Mag.; 3: No. 6, 30-36(Jun 1975).
MEETINGS;GEOTHERMAL ENERGY;REVIEWS

87 GEOTHERMAL SYSTEMS AND POWER DEVELOPMENT. Ellis, A.J. (Chem. Div., New Zealand Dept. Sci. and Ind. Research). Am. Sci.; 63: No. 5, 510-21(Sep-Oct 1975).
GEOTHERMAL SYSTEMS;REVIEWS;GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION;POWER GENERATION;USES; GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY; ENVIRONMENTAL EFFECTS

88 SDG AND E: ERDA JOINT VENTURE. Geotherm. Energy Mag.; 3: No. 9, 6-10(Sep 1975).
INDUSTRY;US ERDA;RESEARCH PROGRAMS;IMPERIAL VALLEY;GEOTHERMAL EXPLORATION;WELL DRILLING; TESTING;GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL ENERGY

89 WORLD ENERGY RESERVES AND RESOURCES. McKelvey, V.E. Public Util. Fortn.; 96: No. 7, 27-33(25 Sep 1975).
RESERVES;ENERGY SOURCES;COAL;NATURAL GAS; NUCLEAR FUELS;PETROLEUM;ECONOMICS;RECOVERY; POWER GENERATION;DEMAND FACTORS;SAFETY; GEOTHERMAL ENERGY;SOLAR ENERGY;FUSION REACTIONS

90 OUTLOOK FOR NEW ENERGY SOURCES. Clark, S.H. J. Pet. Technol.; 28: 21-23(Jan 1976).
From SPE-AIME 50. Annual Fall Technical Conference and Exhibition; Dallas, Texas, USA (28 Sep 1975).
SOLAR ENERGY;GEOTHERMAL ENERGY;TIDAL POWER; REVIEWS;THERMONUCLEAR REACTORS;WIND POWER; FORECASTING;ECONOMICS

91 BOOM TOWNS MAY HINDER ENERGY RESOURCE DEVELOPMENT. Gilmore, J.S. (Univ. of Denver Research Inst.). Science; 191: No. 4227, 535-540(13 Feb 1976).
Rocky Mountain West. ENERGY SOURCES; PRODUCTION;COMMUNITIES;LEGISLATION;ROCKY MOUNTAINS;CAPITAL;COST;MANAGEMENT;TAXES; GOVERNMENT POLICIES;PUBLIC HEALTH;SAFETY; HAZARDS;INVESTMENT;POPULATION DYNAMICS;COAL;OIL SHALES;SHALE OIL;URANIUM;GEOTHERMAL ENERGY

Resource Status and Assessment

Refer also to citation(s) 926, 2051, 2552, 2553, 3268, 3549, 3748, 3772, 4178

92 (AD--611808) GEOTHERMAL STEAM: ORIGIN, CHARACTERISTICS, OCCURRENCE, AND EXPLOITATION. FINAL REPORT. Kiersch, G.A. (Cornell Univ., Ithaca, N.Y. (USA)). 14 Nov 1964. Contract AF19-628-293. 2p. NTIS $3.00.
GEOTHERMAL RESOURCES;EXPLOITATION;VOLCANIC REGIONS;GEOLOGY;GEOTHERMAL EXPLORATION;NATURAL STEAM;EARTH CRUST;ORIGIN;GEOTHERMAL ENERGY;USES; SEISMOLOGY

93 (AD--636496) UNDERSEA GEOTHERMAL DEPOSITS, THEIR SELECTION AND POTENTIAL USE. RESEARCH REPORT. Austin, C.F. (Naval Ordnance Test Station, China Lake, CA). Jul 1966. 2p. (NOTS-TP--4122). NTIS $3.00; $0.95 (mf).
SEAS;GEOTHERMAL RESOURCES;GEOCHEMISTRY; GEOTHERMAL ENERGY CONVERSION;POWER GENERATION

94 (AD--776243/8) SEA FLOOR GEOTHERMAL MEASUREMENTS FORM VEMA CRUISE 26. FINAL TECHNICAL REPORT, JUL 1968-MAY 1969. Langseth, M.G., Jr.; Malone, I.; Ongley, L.K.; Fiske, R.J., III; Bookman, C.A. (Lamont--Doherty Geological Observatory, Palisades, NY). Jan 1974. Contract N00014-67-A-0108-0004. 205p. NTIS $5.75; $1.45 (mf).
GEOTHERMAL RESOURCES;ATLANTIC OCEAN;SEAWATER; THERMAL CONDUCTIVITY;SEDIMENTS

95 (CONF-710571--, pp vp, Paper 1) POWER FROM THE EARTH. Cole, B.L. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
Brief historical account of geothermal development. GEOTHERMAL ENERGY;REVIEWS; GEOTHERMAL RESOURCES

96 (CONF-740209--) UTILIZATION OF VOLCANO ENERGY. PROCEEDINGS OF A CONFERENCE, HILO, HAWAII, FEBRUARY 4--8, 1974. Colp, J.L.; Furumoto, A.S. (eds.). (Sandia Labs., Albuquerque, N.Mex. (USA)). 1974. 680p. Dep. NTIS $37.00.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
VOLCANOES;GEOTHERMAL ENERGY

97 (LA-UR--74-1111) PROSPECT FOR GEOTHERMAL POWER. Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). 1974. Contract W-7405-eng-36. 9p. (CONF-740709--2). Dep. NTIS $4.00.

GEOTHERMAL ENERGY;FORECASTING;THERMAL WATERS; POWER GENERATION;POWER POTENTIAL;GEOTHERMAL RESOURCES;NATURAL STEAM;DRY-STEAM SYSTEMS; GEOPRESSURED SYSTEMS;HOT-DRY-ROCK SYSTEMS

98 (NP--20694) REPORT TO THE CONGRESS: PROBLEMS IN IDENTIFYING, DEVELOPING, AND USING GEOTHERMAL RESOURCES. (General Accounting Office, Washington, D.C. (USA)). Mar 1975. 78p. TIC.
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GOVERNMENT POLICIES;GEOTHERMAL POWER PLANTS; LEASING;WATER RESOURCES;BRINES

99 (PB--218830, pp 53) ENERGY RESOURCES OF THE EARTH. Hubbert, M.K. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL ENERGY;FORECASTING;RESERVES; GEOTHERMAL RESOURCES;ENERGY SOURCES;POWER POTENTIAL

100 (RLO--2227-T16-4) ELECTRIC POWER GENERATION: COMPARATIVE RISKS AND BENEFITS. PROCEEDINGS OF WORKSHOPS HELD IN CORVALLIS, OREGON AUGUST 21--25, 1972, AND AUGUST 20--24, 1973. Loveland, W. (ed.). (Oregon State Univ., Corvallis (USA). Inst. of Nuclear Science and Engineering). [nd]. 233p. (CONF-720855--; CONF-730862--). Dep. NTIS $14.75.
Workshop proceedings. ELECTRIC POWER;POWER GENERATION;NUCLEAR POWER;MEETINGS;POWER REACTORS;FUEL CYCLE;RADIATION PROTECTION;SAFETY

101 (UCRL--51877) VAPOR-DROPLET FLOW EQUATIONS. Crowe, C.T. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 18 Aug 1975. Contract W-7405-Eng-48. 31p. Dep. NTIS $4.00.
TWO-PHASE FLOW;LIQUIDS;DROPLETS;VAPORS; EQUATIONS;CONSERVATION LAWS;MASS TRANSFER; ENERGY TRANSFER;LINEAR MOMENTUM;NUSSELT NUMBER; PRANDTL NUMBER;GEOTHERMAL RESOURCES

102 THERMAL UTILIZATION OF THE EARTH. Claude, G.; Claude, A.G. C. R. Hebd. Seances Acad. Sci.; 228: 544-545(1949). (In French).
GEOTHERMAL ENERGY;AVAILABILITY;GEOTHERMAL GRADIENTS;COAL;POWER POTENTIAL

103 UTILIZATION OF HEAT FROM GROUND. Claude, G.; Claude, A.G. C. R. Hebd. Seances Acad. Sci.; 228: No. 7, 544-5(14 Feb 1949).
GEOTHERMAL ENERGY;AVAILABILITY;GEOTHERMAL WELLS;ENERGY YIELD;GEOTHERMAL RESOURCES

104 LAND, SEA, AND AIR. SURVEY OF SOME AUXILIARY SOURCES OF ENERGY FOR ELECTRICITY GENERATION. Anon. Electr. Times; 124: 321-5(20 Aug 1953).
Includes geothermal heat, underground gasification, tidal power, wind power, and solar energy. COAL GASIFICATION;IN-SITU GASIFICATION;GEOTHERMAL ENERGY;TIDAL POWER;WIND POWER;SOLAR ENERGY CONVERSION

105 NEW SOURCES OF ENERGY AND ECONOMIC DEVELOPMENT: SOLAR ENERGY, WIND ENERGY, TIDAL ENERGY, GEOTHERMIC ENERGY, AND THERMAL ENERGY OF THE SEAS. New York; UN, Dept. of Economic and Social Affairs (1957). 150p.
Monograph. SOLAR ENERGY;WIND POWER;TIDAL POWER;GEOTHERMAL RESOURCES;DEVELOPING COUNTRIES; USES;SOLAR SEA POWER PLANTS;ENERGY SOURCES; ECONOMICS

106 ESTIMATING THE TOTAL HEAT OUTPUT OF NATURAL THERMAL REGIONS. Benseman, R.F. J. Geophys. Res.; 64: No. 8, 1057-62(1959).
GEOTHERMAL FIELDS;POWER POTENTIAL;HEAT FLOW; GEOTHERMAL ENERGY;ENERGY YIELD;STEAM;FLOW RATE; GEYSERS;FUMAROLES;HOT SPRINGS;THERMAL WATERS; HEAT

107 NATURAL VAPORS ('ENDOGENE FORCES'), STATE OF RESEARCH AND CONSIDERATIONS. Penta, F. Bull. Volcanol.; 23, Ser. 2: 219-35(1960).
GEOTHERMAL RESOURCES;REVIEWS;TABLES; TEMPERATURE GRADIENTS;HYDROTHERMAL SYSTEMS; BOREHOLES

108 NEXT HUNDRED YEARS ENERGY DEMAND AND SOURCES OF SUPPLY. Weeks, L.G. Geotimes; 5: No. 1, 18-21, 51-5(1960).
ENERGY DEMAND;ENERGY SUPPLIES;PETROLEUM;OIL SHALES;COAL;NUCLEAR ENERGY;GEOTHERMAL ENERGY; SOLAR ENERGY;TIDAL POWER;GEOTHERMAL RESOURCES; ENERGY SOURCES

109 PROSPECTION OF GEOTHERMAL FIELDS AND INVESTIGATIONS NECESSARY TO EVALUATE THEIR CAPACITY. Elizondo, J.R. General report. New York; United States of America (USA); United Nations (1961). 79p.
From UN Conference on New Sources of Energy; Rome, Italy (1961).
World-wide. GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;ITALY;NEW ZEALAND; ICELAND;USA;MEXICO;JAPAN;USSR;EL SALVADOR; NATURAL STEAM;ECONOMICS;POWER POTENTIAL;REVIEWS

110 THREE UNCONVENTIONAL SOURCES OF ENERGY. Golding, E.W. Engineering (London); 192: 198-199(18 Aug 1961).
SOLAR ENERGY;WIND POWER;GEOTHERMAL ENERGY; REVIEWS

111 STATE OF 'RESEARCH' AND OF THE INDUSTRIAL USE (THERMOELECTRIC) OF UNDERGROUND WATER VAPOR IN VARIOUS COUNTRIES OF THE WORLD. Penta, F.; Bartolucci, G. Accad. Naz. Lincei. Atti, Cl. Sci. Fis., Mat. Nat., Rend.; 32: No. 4, 451-66(1962).
GEOTHERMAL RESOURCES;TABLES;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;REVIEWS;USES; GEOTHERMAL ENERGY;ELECTRIC POWER

112 GEOTHERMAL ENERGY. Smith, J.H. pp 67-73 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Commentary, International Assoc., No. 1. New York; United Nations (1962).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL ENERGY;MEETINGS;UNITED NATIONS; GEOTHERMAL RESOURCES;USES;EXPLOITATION; GEOTHERMAL EXPLORATION

113 THERMAL ENERGY FROM THE EARTH'S CRUST. Banwell, C.J. N. Z. J. Geol. Geophys.; 6: No. 1, Intro., Pt. 1, 52-69(1963).
HYDROTHERMAL SYSTEMS;EARTH CRUST;MAGMA;HEAT TRANSFER;NATURAL STEAM;ENERGY YIELD;HEAT;POWER POTENTIAL;MATHEMATICAL MODELS

114 GEOTHERMAL STEAM ORIGIN, CHARACTERISTICS, OCCURRENCE, AND EXPLOITATION. Kiersch, G.A. Springfield, VA; Clearinghouse Federal Scientific Technical Information (1964). 107p.

GEOTHERMAL RESOURCES;BIBLIOGRAPHIES;NATURAL STEAM;HOT SPRINGS;GEOTHERMAL EXPLORATION; EXPLOITATION;GEOTHERMAL ENERGY;POWER GENERATION; ECONOMICS

115 THERMAL ENERGY FROM THE EARTH'S CRUST. EFFICIENT EXTRACTION OF ENERGY FROM HEATED ROCK. Banwell, C.J. N. Z. J. Geol. Geophys.; 7: No. 3, 585-93(1964).
EARTH CRUST;HOT-DRY-ROCK SYSTEMS;WAIRAKEI GEOTHERMAL FIELD;EFFICIENCY;HEAT FLOW;ENERGY YIELD;GEOLOGIC FISSURES;POWER POTENTIAL;HEAT TRANSFER;ROCKS

116 PROCEEDINGS OF UNITED NATIONS CONFERENCE ON NEW SOURCES OF ENERGY, VOLUME 2. Ruiz Elizondo, J. Geothermal energy, I. New York; United States of America (USA); United Nations (1964). 420p. (In French and English).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL RESOURCES;MEETINGS;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;ITALY;ICELAND;NEW ZEALAND;JAPAN;USA;MEXICO;EL SALVADOR;USSR; PACIFIC OCEAN;ISLANDS

117 SCIENTIFIC FACTORS IN GEOTHERMAL INVESTIGATION AND EXPLOITATION. Doyle, D.; Studt, F.E. pp 194-200 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY; USES;GEOTHERMAL FIELDS;NEW ZEALAND;GEOLOGY; DRILLING;RESERVES;RECOVERY;GEOTHERMAL RESOURCES; EXPLOITATION

118 MEXICO PUSHES GEOTHERMAL DEVELOPMENT. Oil Gas J.; 62: No. 22, 39(1964).
Power potential. MEXICO;GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS;GEOTHERMAL WELLS;PERFORMANCE; SPECIFICATIONS;CERRO PRIETO GEOTHERMAL FIELD; POWER POTENTIAL

119 GEOTHERMAL ENERGY. Dollar, A.T.G. Sci. J.; 1: No. 7, 59-64(1965).
World-wide distribution and exploitation. GEOTHERMAL ENERGY;DISTRIBUTION;EXPLOITATION; EARTH CRUST;VOLCANOES;ICELAND;NORTH AMERICA; SOUTH AMERICA;JAPAN;ITALY;NEW ZEALAND; GEOTHERMAL POWER PLANTS;POWER GENERATION; LARDERELLO GEOTHERMAL FIELD;WAIRAKEI GEOTHERMAL FIELD;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL RESOURCES;REVIEWS

120 USE OF GEOTHERMAL HEAT POTENTIAL. Bible, A.H. Public Util. Fortn.; 73: 54-5(29 Apr 1965).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER GENERATION;LEGAL ASPECTS

121 UNDERSEA GEOTHERMAL DEPOSITS - THEIR SELECTION AND POTENTIAL USE. Austin, C.F. Technical Publication No. 4122. Pasadena, CA; US Naval Ordnance Test Station (1966). 72p.
SEAS;UNDERWATER;GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS;WASTE DISPOSAL;POWER POTENTIAL;GEOLOGIC DEPOSITS;ECONOMICS

122 TECHNICAL AND ECONOMIC ASPECTS OF GEOTHERMAL ENERGY. Ten Dam, A. Geol. Mijnbouw; 45: No. 6, 175-83(1966).
GEOTHERMAL FIELDS;DISTRIBUTION;GEOLOGY; GEOTHERMAL EXPLORATION;ECONOMICS;GEOTHERMAL ENERGY

123 ISOTOPIC COMPOSITION AND ORIGIN OF THE RED SEA AND SALTON SEA GEOTHERMAL BRINES. Craig, H. Science; 154: No. 3756, 1544-8(1966).
SALTON SEA;RED SEA;BRINES;THERMAL WATERS; DEUTERIUM;OXYGEN 18;ISOTOPE RATIO;OXYGEN ISOTOPES;ORIGIN;SEDIMENTS;LEACHING;GEOCHEMISTRY

124 GEOTHERMAL ENERGY. White, D.E. Bull. Volcanol.; 29: 481-483(1966).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; EXPLOITATION;USES;HYDROLOGY;GEOTHERMAL FIELDS; HEAT FLOW

125 GEOTHERMAL ENERGY. White, D.E. Bull. Volcanol.; 29: 481-3(1966).
From IAV International Symposium on Volcanology; (29 Nov 1965).
GEOTHERMAL ENERGY;MEETINGS;REVIEWS

126 DEPTH AND ROCK TEMPERATURES. Loofbourow, R.L. Min. Eng. (London); 18: No. 1, 82-7(Jan 1966).
USA;GEOPHYSICAL SURVEYS;TEMPERATURE GRADIENTS;ROCKS;GEOTHERMAL GRADIENTS; TEMPERATURE DISTRIBUTION

127 TECHNICAL AND ECONOMIC ASPECTS OF GEOTHERMAL ENERGY. Dam, A. Geol. Mijnbouw; 45: No. 6, 175-83(Jun 1966).
GEOTHERMAL ENERGY;ECONOMICS;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES;REVIEWS;EXPLORATION

128 ENERGY AND POWER OF GEOTHERMAL RESOURCES. Bodvarsson, G. Ore Bin; 28: 117-24(Jun 1966).
GEOTHERMAL ENERGY;POWER POTENTIAL;GEOTHERMAL RESOURCES

129 GEOTHERMAL POWER (CONCERNING WESTERN RESOURCES CONFERENCE, HELD AT COLORADO SCHOOL OF MINES). Engineering (London); 202: 285(12 Aug 1966).
GEOTHERMAL ENERGY;ELECTRIC POWER

130 SALTON-MEXICALI GEOTHERMAL PROVINCE. Koenig, J.B. Calif. Div. Mines, Geol., Mineral Info. Serv.; 20: No. 7, 75-81(1967).
SALTON SEA;CERRO PRIETO GEOTHERMAL FIELD; GEOLOGY;GEOTHERMAL ENERGY;GEOTHERMAL [illegible]; POWER POTENTIAL

131 GEOTHERMAL POWER. Banwell, C.J. Impact Sci. Soc.; 17: No. 2, 149-66(1967).
World distribution of fields. GEOTHERMAL RESOURCES;POWER GENERATION;HEAT FLOW;GEOTHERMAL FIELDS;SPACE HEATING;GEOTHERMAL ENERGY;WELL DRILLING;POWER POTENTIAL;DESALINATION

132 METHOD OF ESTIMATING RESERVES OF THERMAL WATERS BY ELECTRONIC SIMULATION. Lyal'ko, V.I.; Mitnik, M.M.; Tkachenko, V.G. Geol. Zh. (Russ. Ed.); 27: No. 6, 29-39(1967).
GEOTHERMAL RESOURCES;FORECASTING;SIMULATION; MATHEMATICAL MODELS;THERMAL WATERS;RESERVES

133 GEOTHERMAL ENERGY AND RESOURCES. Whiting, R.L. Oil Gas Compact Bull.; 27: No. 1, 15-21(1968).
GEOTHERMAL RESOURCES;SPACE HEATING;GEOLOGY;

USES;POWER GENERATION;GEOTHERMAL FIELDS; METEORIC WATER;ECONOMICS;GEOTHERMAL ENERGY; REVIEWS

134 WORLDWIDE DEVELOPMENT OF GEOTHERMAL INDUSTRY. McNitt, J.R. Am. Assoc. Pet. Geol. Bull.; 52: No. 3, 564(1968).
GEOTHERMAL ENERGY;EXPLOITATION;ECONOMICS; GEOTHERMAL EXPLORATION;ECONOMIC DEVELOPMENT; MEASURING METHODS

135 GEOTHERMAL RESOURCES; AAPG DISTINGUISHED LECTURE. McNitt, J.R. Tulsa Geol. Soc. Digest; 36: 93-4(1968).
GEOTHERMAL RESOURCES;LECTURES

136 GEOTHERMAL ENERGY AND RESOURCES. Whiting, R.L. (Interstate Oil Compact Commission). Oil and Gas Compact Bulletin; 27: 15-21(Jun 1968).
From 1968 Midyear Meeting of Interstate Oil Compact Commission; (10-12 Jun 1968).
GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; MEETINGS;REVIEWS

137 POWER FROM THE EARTH'S OWN HEAT. Lessing, L. Fortune; 79: No. 7, vp(1969).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GEOTHERMAL POWER PLANTS;GEOTHERMAL EXPLORATION; ECONOMICS;ELECTRIC POWER;POWER GENERATION;USA; NEW ZEALAND;ITALY;JAPAN;MEXICO;USSR

138 FROM THE DEPTHS OF THE BLAZING INTERIOR. Shishkin, J.G. Moscow; Izdatel'stvo ''Mysl'' (1969). 95p.
GEOTHERMAL RESOURCES;THERMAL WATERS;USES; GEOTHERMAL ENERGY;POWER GENERATION;HEATING

139 GEOTHERMAL ENERGY SOURCES AND INDUSTRIAL UTILIZATION. Vie, G. Genie Civil; 146: No. 4, 222-226(1959).
GEOTHERMAL RESOURCES;EXPLOITATION;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM;THERMAL WATERS; GEOLOGY;WEST INDIES;ITALY

140 POWER FROM THE EARTH'S OWN HEAT. Lessing, L. Fortune; 79: 138-41(Jun 1969).
GEOTHERMAL ENERGY;POWER POTENTIAL;ELECTRIC POWER

141 AAPG GEOTHERMAL SURVEY OF NORTH AMERICA. Kehle, R.O. (Dept. of Geol. Sci., Univ. of TX, Austin, TX); Schoeppel, R.J.; Deford, R.K. Geothermics; No. 2, 358-67(1970).
GEOPHYSICAL SURVEYS;GEOTHERMAL ENERGY; TEMPERATURE MEASUREMENT;GEOTHERMAL EXPLORATION; DATA PROCESSING;NORTH AMERICA;MAPS;GEOTHERMAL RESOURCES

142 MINERAL AND GEOTHERMAL EXPLORATION ACTIVITIES OF THE UNITED NATIONS RESOURCES AND TRANSPORT DIVISION IN LATIN AMERICA. Barnea, J. (UN, New York). pp 464-6 of ASME, 2nd Interamerican Conference on Material Technology, Pt. 1. Washington; ASME (1970).
From 2. ASME Interamerican Conf. Mater. Technology; Mexico City, MX (24-27 Aug 1970).
GEOTHERMAL RESOURCES;MINERALS;GEOTHERMAL EXPLORATION;CENTRAL AMERICA

143 PRESENT-DAY HYDROTHERMAL SYSTEMS AND MINERAL DEPOSITION. Ellis, A.J. pp 211-40 of Mining and petroleum geology - Commonwealth Mining and Metallurgy Congress, 9th, UK, 1969, Proceedings, Volume 2. London; Inst. Mining and Metallurgy (1970).
From 9. Commonwealth Mining and Metall. Congress; United Kingdom (1969).
GEOTHERMAL RESOURCES;HYDROTHERMAL SYSTEMS; MINERALS;GEOLOGIC DEPOSITS;POWER GENERATION; ELECTRIC POWER;ITALY;NEW ZEALAND;USA;JAPAN;USSR; VOLCANOES;HYDROTHERMAL ALTERATION;METALS

144 PROCEEDINGS OF THE UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL RESOURCES, PISA, 22 SEPT.-1 OCT. 1970, PROCEEDINGS, VOLUME 2, PART 1. (Istituto Internazionale Per Le Ricerche Geotermiche). Geothermics; No. 2, 973(1970).
UNITED NATIONS;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;EXPLOITATION;USES;POWER POTENTIAL; GEOTHERMAL EXPLORATION;PLANNING;MEETINGS

145 GEOTHERMAL GROWING AS A POWER SOURCE. Electr. World; 173: No. 25, 32-4(22 Jun 1970).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; PLANNING;EXPLOITATION;ELECTRIC POWER;THERMAL POWER PLANTS

146 GEOTHERMAL PROBLEMS. Uyeda, S.; Jessop, A.M. Tectonophysics; 10: No. 1-3, 7-390(Sep 1970).
GEOTHERMAL FIELDS;HEAT TRANSFER;THERMAL CONDUCTIVITY;GEOPHYSICS;BIBLIOGRAPHIES; GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES

147 EARTH'S HEAT: NEW POWER SOURCE. Gilluly, R.H. Sci. News (Wash., D.C.); 98: 415-16(28 Nov 1970).
GEOTHERMAL ENERGY;POWER POTENTIAL

148 GEOTHERMAL POWER PERKS UP. Weismantel, G.E. Chem. Eng.; 77: 24-5(30 Nov 1970).
GEOTHERMAL ENERGY;POWER POTENTIAL

149 GEOTHERMAL: EARTH'S PRIMORDIAL ENERGY. Bowen, R.G.; Groh, E.A. Technol. Rev.; 73: 42-48(1971).
EARTH PLANET;GEOTHERMAL ENERGY;HEATING; ECONOMICS;ENVIRONMENT;GEOLOGY;ENERGY CONVERSION

150 STEAM BORN OF THE EARTH. Tonani, F.; Demians d'Archimbaud, J. Sci. Prog. Decouverte; No. 3430, 27-35(1971).
GEOTHERMAL ENERGY;HYDROTHERMAL SYSTEMS; GEOTHERMAL EXPLORATION;THERMODYNAMICS;EARTH CRUST;GEOLOGY;NATURAL STEAM;GEOTHERMAL RESOURCES

151 MULTI-PURPOSE UTILIZATION OF GEOTHERMAL RESOURCES. Trans. World Energy Conf., 8th; 6: (1971).
From 8. World Energy Conference; Bucharest, Rom. (28 Jun-2 Jul 1971).
GEOTHERMAL ENERGY;THERMAL WATERS;NATURAL STEAM;ELECTRIC POWER;CARBON DIOXIDE; REFRIGERATION;SULFUR;RECOVERY;DESALINATION;AIR CONDITIONING;MINERALS;USES

152 ENERGY (IN NON-METALLIC ORES, SILICATES INDUSTRIES AND SOLID MINERAL FUELS). Sanders, L.G. Chem. Technol.; 2: 705-96(1971).
General principles of energy production and sources. ENERGY SOURCES;GEOTHERMAL ENERGY; NUCLEAR ENERGY;SOLAR ENERGY;ELECTRICITY

153 GEOTHERMAL ACTIVITY IN 1970. Bowen,

R.G. Ore Bin; 33: No. 1, 16-18(1971).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

154 PROSPECTS FOR GEOTHERMAL POWER. Beck, A.E. Comments Earth Sci., Geophys.; 1: No. 6, 139-49(Apr-May 1971).
GEOTHERMAL ENERGY;ELECTRIC POWER

155 USE OF GEOTHERMAL RESOURCES FOR POWER. Browne, M.L. Sacramento; United States of America (USA); Calif. Dept. Water Res. Law Library (Jul 1971). 11p.
GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION

156 ROAR FROM AN EMERGING RESOURCE (IN ICELAND, NEW ZEALAND, ITALY, JAPAN, USSR, MEXICO). Armstrong, E.L. Reclamation Era (US Bureau of Reclamation); 57: 1-7(Aug 1971).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ITALY; ICELAND;NEW ZEALAND;JAPAN;USSR;MEXICO;USA

157 ENERGY STORY: GEOTHERMAL POWER. PG and E Progress; 48: 4-5(Aug 1971).
GEOTHERMAL ENERGY;POWER GENERATION;POWER POTENTIAL;ELECTRIC POWER

158 ENERGY RESOURCES OF THE EARTH. Hubbert, M.K. Sci. Am.; 224: 60-70(Sep 1971).
ENERGY SOURCES;GEOTHERMAL RESOURCES

159 EARTH'S HEAT TAPPED FOR GEOTHERMAL POWER DEVELOPMENT. Allen, D.R. (Duncan, Allen, and Mitchell Law Firm). Public Power; 29: No. 6, 35-9(Nov-Dec 1971).
GEOTHERMAL RESOURCES;EXPLOSIVE STIMULATION; COST;LEGAL ASPECTS;ENVIRONMENTAL EFFECTS; GEOTHERMAL ENERGY;POWER POTENTIAL;REVIEWS; ECONOMICS

160 POWER FROM THE EARTH. Fenner, D.; Klarmann, J. (Washington Univ.). Environment; 13: No. 10, 19-34(Dec 1971).
GEOTHERMAL ENERGY;POWER GENERATION;WATER POLLUTION;COST;GEOTHERMAL RESOURCES;GEOTHERMAL FLUIDS;HYDROGEN SULFIDES;AIR POLLUTION; ENVIRONMENTAL EFFECTS;ECONOMICS;ELECTRIC POWER; REVIEWS

161 GEOTHERMAL ENERGY FOR THE FUTURE. Banwell, C.J.; Meidav, T. Conference paper. New York; United States of America (USA); United Nations (29 Dec 1971). 15p.
From AAAS Symposium on the Energy Crisis, Some Implications and Alternatives; Philadelphia, PA (29 Dec 1971).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;USES; EXPLOITATION;TEMPERATURE GRADIENTS;MEETINGS; ENERGY SHORTAGES

162 GEOTHERMAL WORLD DIRECTORY. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (1972). 190p.
ENVIRONMENT;GEOTHERMAL ENERGY;ECONOMICS; REGULATIONS;SITE SELECTION;SAFETY;GEOTHERMAL RESOURCES

163 PROMISE OF UNCONVENTIONAL ENERGY SOURCES. Anderson, R.J. (Battelle Memorial Inst. Columbus, OH). Battelle Res. Outlook; 4: No. 1, 22-25(1972).
GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;WIND POWER;NUCLEAR POWER;ENERGY SOURCES;FOSSIL FUELS; NEW ZEALAND;ICELAND;USSR;HUNGARY;SOLAR ENERGY; POWER POTENTIAL

164 ESTIMATES OF GEOTHERMAL ENERGY POTENTIAL. Banwell, J.; Meidav, T. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 34-5(1972).
GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS; HEAT FLOW;EARTH CRUST;POWER POTENTIAL; GEOTHERMAL ENERGY

165 OUR ENERGY SUPPLY AND ITS FUTURE. Battelle Res. Outlook; 4: No. 1, 1-41(1972).
ENERGY SUPPLIES;ENERGY CONSUMPTION;ENERGY STORAGE;ELECTRIC POWER;COAL; MAGNETOHYDRODYNAMICS;NATURAL GAS;NUCLEAR POWER PLANTS;PETROLEUM;POWER REACTORS;POWER TRANSMISSION;SOLAR ENERGY;GEOTHERMAL ENERGY; WIND POWER;TIDAL POWER;ENERGY SOURCES

166 GEOTHERMAL POWER. Barnea, J. Sci. Am.; 226: No. 1, 70-7(Jan 1972).
GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;NATURAL STEAM;THERMAL WATERS

167 EARTH IS A VAST STORAGE HEATER. Energy Int.; 9: No. 1, 11(Jan 1972).
EARTH PLANET;ENERGY STORAGE;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ENERGY SUPPLIES; HEAT STORAGE;ENERGY SOURCES;REVIEWS;POWER PLANTS

168 CHARACTERISTICS OF GEOTHERMAL RESOURCES AND PROBLEMS OF UTILIZATION. White, D.E. (Geological Survey, Menlo Park, CA). Trans. Am. Nucl. Soc.; 15: No. 1, 14-15(Jun 1972).
GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY;ELECTRIC POWER;POWER GENERATION;DRY-STEAM SYSTEMS;LARDERELLO GEOTHERMAL FIELD;GEYSERS GEOTHERMAL FIELD;HOT-WATER SYSTEMS;ECONOMICS;ENVIRONMENT;POLLUTION; PLANNING

169 GEOTHERMAL RESOURCES RESEARCH. Denton, J.C. (National Science Foundation, Washington, DC). Trans. Am. Nucl. Soc.; 15: No. 1, 13-14(Jun 1972).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;POWER GENERATION;RESEARCH PROGRAMS;ENVIRONMENT; POLLUTION;GROUND SUBSIDENCE;LEGAL ASPECTS; ECONOMICS

170 NEW PLAN IS OUTLINED (BEFORE THE AMERICAN NUCLEAR SOCIETY, LAS VEGAS, 20 JUN 1972) FOR TAPPING GEOTHERMAL ENERGY (BY M.C. SMITH). Wilford, J.N. New York Times; 18(21 Jun 1972).
GEOTHERMAL ENERGY;EXPLOITATION

171 ALTERNATIVE SOURCES OF ENERGY. Carlsmith, R.S. (ORNL, ORNL-NSF Environmental Program). pp 69-74 of World energy demands and the Middle East, Part I. Middle East Inst., Plenary Panel I (29 Sep 1972).
From 26. Annual Conference of the Middle East Institute, Plenary Panel I, Pressures of Energy Demands on Resources; (29 Sep 1972).
MEETINGS;ENERGY DEMAND;ENERGY SOURCES;POWER REACTORS;SOLAR ENERGY CONVERSION;GEOTHERMAL ENERGY;SOLID WASTES;ENERGY CONSERVATION;ENERGY POLICY;FOSSIL FUELS

172 MANAGEMENT OF A GEOTHERMAL FIELD. Bolton, R.S. (Ministry of Works, Wellington, N.Z.). pp 175-184 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations

Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL FIELDS;MANAGEMENT;EXPLOITATION; ENERGY YIELD;HEAT;GEOTHERMAL WELLS;PERFORMANCE; GEOTHERMAL EXPLORATION;ENERGY SOURCES;ECONOMICS; ENVIRONMENT

173 GEOTHERMAL RESOURCES RESEARCH. Denton, J.C. (National Science Foundation, Washington, DC); Dunlop, D.D. pp 335-346 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
Needed basic and applied areas. GEOTHERMAL RESOURCES;ECONOMICS;LEGAL ASPECTS;USA;ENERGY SOURCES;ENVIRONMENT;SAFETY;REGULATIONS; FRACTURES;RESEARCH PROGRAMS

174 GEOTHERMAL WORLD DIRECTORY. Meadows, K.F. (comp.). Glendora, CA; Geothermal World Directory (1973). 242p. $15.00.
1973. GEOTHERMAL ENERGY;EXPLORATION;LEGAL ASPECTS;ENERGY CONSUMPTION;GEOLOGY;GEOGRAPHY; MANUALS;EDUCATION;POLLUTION LAWS;MINING LAWS; REVIEWS;COMPARATIVE EVALUATIONS;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

175 WORLDWIDE STATUS OF GEOTHERMAL RESOURCES DEVELOPMENT. Koenig, J.B. (California Div. of Mines and Geology, Sacramento). pp 15-58 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
AVAILABILITY;ELECTRIC POWER;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;ECONOMICS; REVIEWS;DISTRIBUTION;GEOTHERMAL ENERGY

176 US ENERGY DILEMMA; GAP BETWEEN TODAY'S REQUIREMENTS AND TOMORROW'S POTENTIAL. Risser, H.E. Ill. Geol. Surv., Environ. Geol. Notes; No. 64, 64(1973).
USA;ENERGY DEMAND;ENERGY CONSUMPTION;ENERGY SUPPLIES;COAL;OIL SHALES;SOLAR ENERGY; GEOTHERMAL ENERGY; PETROLEUM; NATURAL GAS; NUCLEAR POWER;HYDROELECTRIC POWER;POWER POTENTIAL

177 "PROSPECTING FOR ENERGY" - INTRODUCTION AND SURVEY. Grey, J. IEEE Intercon. Tech. Papers. New York; AIAA (1973).
From IEEE Meeting; New York, NY (26-30 Mar 1973).
ENERGY DEMAND;POWER POTENTIAL;COAL GASIFICATION;SHALE OIL;GEOTHERMAL ENERGY

178 GEOTHERMAL RESOURCES. Muffler, L.J.P. pp 251-61 of United States Mineral Resources (US Geol. Prof. Paper 820). Brobst, D.A.; Pratt, E.P. (eds.). Washington, DC; US Dept. Interior, Geol. Surv. (1973).
USA;GEOTHERMAL RESOURCES;DRILLING;SPACE HEATING;DESALINATION;EARTH CRUST;ECONOMICS;USES; POWER GENERATION;LEGAL ASPECTS;EXPLOSIVE STIMULATION;REVIEWS

179 NATURE'S TEAKETTLE - GEOTHERMAL ENERGY FOR THE PEOPLE. Small, H. Unknown; Geothermal Information Services (1973). 213p.
Book. GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; GEOLOGY;DESALINATION;HOT-DRY-ROCK SYSTEMS;LEGAL ASPECTS;POLLUTION;ENERGY SHORTAGES;TURBINES; GEOTHERMAL POWER PLANTS

180 GEOTHERMAL ENERGY; REVIEW OF RESEARCH AND DEVELOPMENT BOOK REVIEW. Muffler, L.J.P. Eng. Geol. (Amsterdam); 7: No. 4, 409-411(1973).
GEOTHERMAL ENERGY;RESEARCH PROGRAMS; EXPLOITATION;REVIEWS

181 GEOTHERMAL ENERGY IN THE GLOBAL ENERGY CRISIS. Escobar, W. Inst. Geofis. Andes Colomb., Ser. C; No. 17, 24-31(1973).
ENERGY SOURCES;GEOTHERMAL ENERGY;ENERGY SHORTAGES;USES;EXPLOITATION;GEOTHERMAL RESOURCES;DISTRIBUTION

182 NATIONAL CONFERENCE ON GEOTHERMAL ENERGY; PALM SPRINGS, CALIFORNIA MAY 1973. Small, H. Geotherm. Energy Mag.; 1: No. 1, 5-10(1973).
USA;GEOTHERMAL ENERGY;PROCEEDINGS;ECONOMICS; GEOLOGY

183 FUTURE OF GEOTHERMAL ENERGY. Facca, G. Geotherm. Energy Mag.; 1: No. 3, 29-33(1973).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES

184 CONFERENCE OF PLANT ENGINEERS; GEOTHERMAL PAPER; JUNE 14, 1973 LOS ANGELES. Wehlage, E.F. Geotherm. Energy Mag.; 1: No. 3, 15-26(1973).
GEOTHERMAL ENERGY;RESEARCH PROGRAMS

185 OUTLOOK FOR GEOTHERMAL ENERGY. McNitt, J.R. Q. Colo. Sch. Mines; 68: No. 2, 179-190(1973).
GEOTHERMAL ENERGY;ECONOMICS;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;EXPLOITATION; FORECASTING

186 NEW SOURCES OF POWER-GEOTHERMAL RESOURCES. Barnea, J. Conference on world energy supplies. London, England; Financial Times (1973).
GEOTHERMAL RESOURCES;POWER GENERATION; ELECTRIC POWER;ENERGY SOURCES;GEOTHERMAL POWER PLANTS;ENERGY SUPPLIES;GEOTHERMAL ENERGY

187 ENERGY FROM THE EARTH AND BEYOND. Nash, B. Chemistry; 46: No. 9, 6-9(1973).
GEOTHERMAL ENERGY;SOLAR ENERGY;POWER GENERATION;HEATING;COOLING

188 ESTIMATES OF GEOTHERMAL ENERGY POTENTIAL. Banwell, J.; Meidav, T. Geophysics; 38: No. 1, 163(1973).
GEOTHERMAL ENERGY;POWER POTENTIAL

189 ENERGY CRISIS: GEOTHERMAL SOLUTION. Tollurot, Y. Recherche (Paris); 4: No. 35, 586-7(1973).
ENERGY SHORTAGES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION

190 EXPLORATION AND EXPLOITATION OF GEOTHERMAL ENERGY; OVERVIEW. Otte, C. Can. Min. Metall. Bull.; 66: No. 731, 66(1973).
From 75. Annual General Meeting of Canadian Institute of Mining and Metallurgy;
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY;EXPLOITATION;MINERAL RESOURCES;ECONOMICS;REVIEWS

191 WHAT IS GEOTHERMAL ENERGY. Armstead, H.C.H. pp 15-18 of Geothermal energy: review of research and development. Paris; UNESCO, Earth Sci. Ser. (1973).
GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL RESOURCES;POWER GENERATION

192 GEOTHERMAL RESOURCES AND THEIR

UTILIZATION. Muffler, L.J.P. Geol. Soc. Am., Bull.; 5: No. 1, 83-4(1973).
From 69. Annual Meeting Cordilleran Section; GEOTHERMAL RESOURCES;EXPLOITATION;GEOTHERMAL ENERGY;USES

193 COMPARATIVE STUDY OF THE VARIOUS FORMS OF VOLCANISM AS SOURCES OF POWER. Perret, F.A. pp 13-16 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
GEOTHERMAL RESOURCES;ENERGY SOURCES; VOLCANOES;GEYSERS;SULFUR;GASES;SOLFATARAS; COMPARATIVE EVALUATIONS;POWER POTENTIAL

194 THERMIC CALCULATION OF SUBTERRANEAN HEAT. Orrok, G.A. pp 17-19 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
HEAT;GEOTHERMAL ENERGY;EARTH CRUST; GEOTHERMAL GRADIENTS;NATURAL STEAM;HEAT TRANSFER;POWER POTENTIAL;ENERGY YIELD

195 DRILLING FOR PURE POWER. Bishop, W. pp 27-31 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
VOLCANOES;NATURAL STEAM;WELL DRILLING; GEOTHERMAL RESOURCES;POWER POTENTIAL;ITALY; REVIEWS;USES;GEOTHERMAL WELLS

196 SURVEY OF NONPOLLUTING ENERGY SOURCES. Sabin, R.J. Las Cruces, NM; United States of America (USA); New Mexico State University (1973). vp.
SOLAR ENERGY;WIND POWER;NUCLEAR POWER; GEOTHERMAL ENERGY;COMPARATIVE EVALUATIONS

197 SOME VIEWS OF THE ENERGY CRISIS. Weinberg, A.M. (ORNL, Oak Ridge, TN). Am. Sci.; 61: No. 1, 59-60(Jan-Feb 1973).
ENERGY SHORTAGES;COAL;NUCLEAR POWER; GEOTHERMAL ENERGY;ECONOMICS;POLLUTION

198 (ORNL-EIS--73-52(Vol.1)(No.2)) NSF-RANN ENERGY ABSTRACTS. Gutnrie, M.P. (ed.). (Oak Ridge National Lab., Tenn. (USA)). Feb 1973. Contract W-7405-eng-26. 13p. Dep. NTIS.
ENERGY SOURCES;BIBLIOGRAPHIES;ELECTRIC POWER; POWER DEMAND;ENERGY SUPPLIES;POWER GENERATION; ENERGY DEMAND;ENERGY POLICY;ENERGY CONSUMPTION; ENVIRONMENT;POWER PLANTS;GEOTHERMAL ENERGY; FOSSIL FUELS;NUCLEAR FUELS

199 GEOTHERMAL POWER: SLEEPING GIANT STIRS, BUT WILL REQUIRE YEARS TO WAKEN FULLY. O'Keefe, W. (McGraw-Hill, Inc., New York, NY). Power (N.Y.); 117: No. 4, 32-4(Apr 1973).
GEOTHERMAL ENERGY;POWER POTENTIAL; ENVIRONMENT

200 CHARACTERISTICS OF GEOTHERMAL RESOURCES. White, D.E. (US Geological Survey, Menlo Park, CA). EOS, Trans., Am. Geophys. Union; 54: No. 4, 223-4(Apr 1973).
From 54. Annual Meeting of the American Geophysical Union; Washington, DC (16-20 Apr 1973).
GEOTHERMAL RESOURCES;HEAT TRANSFER; GEOTHERMAL GRADIENTS;CONVECTION;THERMAL CONDUCTION;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS; EARTH CRUST;HOT-DRY-ROCK SYSTEMS

201 UNCONVENTIONAL SOURCES OF ENERGY FOR MILLIONS. Appa Rao, V. (Univ. Grants Comm., New Delhi, India). Sci. Cult.; 39: No. 4, 157-63(Apr 1973).
ENERGY SUPPLIES;GEOTHERMAL ENERGY;USES; PLANNING;SOLAR ENERGY;WIND POWER;TIDAL POWER; ENERGY SOURCES

202 GEOTHERMAL POWER: SLEEPING GIANT STIRS, BUT WILL REQUIRE YEARS TO WAKEN FULLY. O'Keefe, W. Power (N.Y.); 117: No. 4, 32-4(Apr 1973).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;POWER GENERATION;GEOTHERMAL POWER PLANTS;EXPLOITATION; PLANNING;ELECTRIC POWER;ENERGY SOURCES

203 EXCITING PROSPECTS AHEAD FOR GEOTHERMAL. Ritter W.W. (George Mason Univ., Fairfax, Va., USA). Electr. World; 179: No. 10, 44-5(15 May 1973).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; PLANNING;EXPLOITATION;ENERGY SOURCES

204 GEOTHERMAL HEATS UP. Environ. Sci. Technol.; 7: No. 8, 680-681(Aug 1973).
GEOTHERMAL ENERGY;ECONOMICS;TRANSPORT; ELECTRICITY;PRODUCTION;INDUSTRY;STEAM;WATER; ENERGY SOURCES

205 GEOTHERMAL POWER. CAN IT HELP THE ENERGY CRISIS. Wehlage, E.F. pp 176-81 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
Worldwide. GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;EXPLOITATION;USA;ITALY; NEW ZEALAND;ICELAND;GEOTHERMAL POWER PLANTS; SPACE HEATING;WATER RESOURCES;ELECTRIC POWER

206 SUMMARY OF NATO/CCMS GEOTHERMAL MEETING 1973. Howard, J.H. pp 193-8 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
GEOTHERMAL RESOURCES;MEETINGS;EXPLOITATION; GEOTHERMAL EXPLORATION;INTERNATIONAL ORGANIZATIONS;GEOTHERMAL POWER PLANTS; GEOTHERMAL FIELDS;RESEARCH PROGRAMS;GEOTHERMAL ENERGY;USES

207 FUTURE OF GEOTHERMAL ENERGY. Facca, G. pp 199-205 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;GEOTHERMAL RESOURCES;POWER POTENTIAL;ECONOMICS;ITALY;USA; NEW ZEALAND;JAPAN;MEXICO;ICELAND;GEYSERS GEOTHERMAL FIELD;LARDERELLO GEOTHERMAL FIELD; MATSUKAWA GEOTHERMAL FIELD;CERRO PRIETO GEOTHERMAL FIELD;FORECASTING

208 NEW SOURCES OF POWER - GEOTHERMAL RESOURCES. Barnea, J. London, England; United Kingdom of Great Britain and Northern Ireland (UK); Financial Times (Sep 1973). 7p.
From Conference on World Energy Supplies; London, England (18-20 Sep 1973).
GEOTHERMAL RESOURCES;REVIEWS;USES;ELECTRIC POWER;DISTRICT HEATING;SPACE HEATING

209 CONFERENCE ON WORLD ENERGY SUPPLIES. London, England; United Kingdom of Great Britain and Northern Ireland (UK); Financial Times (Sep 1973).

GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ENERGY RESERVES;ENERGY SUPPLIES;AVAILABILITY; SOLAR ENERGY;NUCLEAR POWER;PETROLEUM; PROCEEDINGS;MEETINGS

210 GROUND WATER AND THE GEOTHERMAL RESOURCE. Special report. Port Washington, NY; United States of America (USA); Geraghty and Miller (Sep 1973). 14p.
GROUND WATER;GEOTHERMAL RESOURCES;ORIGIN; THERMAL WATERS;NATURAL STEAM;METEORIC WATER; HEAT FLOW;GEOTHERMAL SYSTEMS

211 CHALLENGE OF GEOTHERMAL ENERGY. Kuwada, J.; Ramey, H. Jr. (Rogers Engineering Co., San Francisco). pp 33-38 of Energy, environment, productivity. Holmes, J. (ed.). Washington, DC; National Science Foundation (1974).
From 1. symposium on RANN: research applied to national needs; Washington, DC (18 Nov 1973).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; GEOTHERMAL RESOURCES;RESEARCH PROGRAMS; VOLCANOES;ENVIRONMENTAL EFFECTS

212 HOPE FOR ENERGY FROM INSIDE EARTH RISES. Sullivan, W. Geotherm. Energy Mag.; 2: No. 5, 41-42(1974).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;USES; PLANNING;USA

213 GEOTHERMAL ENERGY. Muffler, L.J.P.; White, D.E. Man's finite earth; Part six, Earth Resources, p. 268-277. Minneapolis, Minnesota; Burgess Publ. Co. (1974).
GEOTHERMAL ENERGY;REVIEWS;GEOTHERMAL RESOURCES;USES;ENVIRONMENT;DISTRIBUTION; GEOTHERMAL SYSTEMS

214 GEOTHERMAL OPPORTUNITIES BEAR CLOSER LOOK. Meidav, T. Oil Gas J.; 72: No. 19, 102-106(1974).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;EXPLOITATION;ECONOMICS

215 GEOTHERMAL POWER; MOTHER NATURE'S HOME REMEDY. Sutherland, J. Geotherm. Energy Mag.; 2: No. 3, 26-29(1974).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ENERGY SOURCES;EXPLOITATION

216 GEOTHERMAL ENERGY. Dermengian, S. Geotherm. Energy Mag.; 2: No. 3, 70(1974).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; RESEARCH PROGRAMS

217 GEOTHERMAL STEAM PROSPECTS AROUND PACIFIC. Healy, J. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1439(1974).
Circum-Pacific region. PACIFIC OCEAN;NATURAL STEAM;GEOTHERMAL ENERGY;SHORES;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES

218 ANALYSIS OF THE POTENTIAL USE OF GEOTHERMAL ENERGY FOR POWER GENERATION ALONG THE TEXAS GULF COAST. Wilson, J.S.; Shepherd, B.P.; Kaufman, S. Project No. N/T-1. Austin, TX; United States of America (USA); State of Texas Governor's Energy Advisory Council (1974). 67p. Governor's Energy Advisory Council, P.O. Box 12428, Capitol Station, Austin, TX 78711.
TEXAS;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;POWER GENERATION;GULF OF MEXICO; CAPITAL;INVESTMENT;GEOPRESSURED SYSTEMS; OFFSHORE SITES;SAND;NATURAL GAS;PRODUCTION; EXPLORATION;COMPARATIVE EVALUATIONS;GEOTHERMAL POWER PLANTS

219 GEOTHERMAL ENERGY. Muffler, L.J.P.; White, D.E. (Geological Survey, Menlo Park, CA). pp vp. of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
GEOTHERMAL ENERGY;REVIEWS;GEOTHERMAL SYSTEMS; HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;GEOTHERMAL RESOURCES;USES;POWER GENERATION

220 INTEGRATION OF ENERGY SOURCES AND RATIONALIZATION OF CONSUMPTION IN URBAN USES AND IN AUTO-PRODUCING INDUSTRIES. Bonicelli, G. (Municipal Electricity Enterprises, Turin); Bottio, L.F.; Gualdoni, O.; Buscaglione, A. pp Paper 1.2-24, 17p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
ENERGY SOURCES;ENERGY CONSUMPTION;HOUSES; URBAN AREAS;INDUSTRY;AUTOMOBILES;ITALY; GEOTHERMAL FIELDS;HYDROELECTRIC POWER; AVAILABILITY;NATURAL GAS;ENERGY DEMAND; CONSUMPTION RATES;ENVIRONMENT;POLLUTION

221 FORECAST OF ITALIAN LONG-TERM ENERGY REQUIREMENTS AND SUPPLIES. Angelini, A.M.; Ristagno, V.U. pp Paper 1.3-8, 21p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
ITALY;ENERGY DEMAND;ENERGY SUPPLIES; FORECASTING;ELECTRIC POWER;CONSUMPTION RATES; POPULATION DYNAMICS;HUMAN POPULATIONS; GEOTHERMAL RESOURCES;HYDROELECTRIC POWER

222 INTERNATIONAL GEOTHERMAL OVERVIEW: THE WORLD-WIDE SCENE IS WHERE THE ACTION IS. Wehlage, E.F. (Edward F. Wehlage and Associated Engineers, Whittier, CA). pp 95-112 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
REVIEWS;MAPS;GEOTHERMAL RESOURCES;USA;ITALY; NEW ZEALAND;PHILIPPINES;JAPAN;GREECE;TAIWAN; MEXICO;CENTRAL AMERICA;SOUTH AMERICA;ICELAND; AFRICA

223 GEOTHERMAL ENERGY AND ITS USES. pp Paper 3.1-17, 15p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
GEOTHERMAL ENERGY;USES;GEOTHERMAL HEATING; GEOTHERMAL REFRIGERATION;POWER GENERATION;HOT-WATER SYSTEMS;DRY STEAM SYSTEMS;GEOTHERMAL FIELDS;REVIEWS

224 GEOTHERMAL RESOURCES FOR ELECTRIC POWER PRODUCTION. THEIR PRESENT STATUS AND FUTURE PROSPECTS. Robson, G.R. (United Nations, New York, NY). Bull. Volcanol.; 37: No. 3, 406-15(1974).
GEOTHERMAL RESOURCES;POWER GENERATION; REVIEWS;GEOTHERMAL ENERGY;ELECTRIC POWER

225 GEOTHERMY AND THE GEOLOGISTS. Sahores, J. Rev. Gen. Therm.; 13: No. 146, 115-19(Feb 1974). (In French).
GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY; GEOPHYSICS;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;

GEOTHERMAL RESOURCES;HOT-DRY-ROCK SYSTEMS; LEGISLATION;GEOLOGY;GEOPRESSURED SYSTEMS

226 ROLE OF NOVEL POWER SOURCES - GEOTHERMAL. Barbier, E.; Fanelli, M. (National Research Council, International Inst. for Geothermal Research, Pisa, Italy). Geotherm. Energy Mag.; 2: No. 8, 8-19(Aug 1974).
GEOTHERMAL ENERGY;ELECTRIC POWER;ECONOMICS; AVAILABILITY

227 US--JAPAN SEMINAR ON UTILIZATION OF VOLCANIC ENERGY. Furumoto, A.S. (Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu). EOS, Trans., Am. Geophys. Union; 55: No. 10, 895-9(Oct 1974).
VOLCANOES;GEOTHERMAL ENERGY;SEISMIC SURVEYS; MAGMA;HEAT TRANSFER;TECTONICS;LAVA;POWER GENERATION;HYDROTHERMAL SYSTEMS;FUMAROLES; GEOLOGY;GEYSERS

228 SOLAR AND GEOTHERMAL ENERGY: NEW COMPETITION FOR THE ATOM. Science; 186: No. 4166, 811-13(29 Nov 1974).
SOLAR ENERGY;GEOTHERMAL ENERGY;REVIEWS; ECONOMICS;LEGAL ASPECTS

229 SOLAR AND GEOTHERMAL ENERGY: NEW COMPETITION FOR THE ATOM. Carter, L.J. Science; 186: No. 4166, 811-13(29 Nov 1974).
SOLAR ENERGY;ENERGY POLICY;GEOTHERMAL ENERGY; COMPARATIVE EVALUATIONS;HOUSES;ELECTRIC POWER; POWER GENERATION;LEGISLATION;ENVIRONMENTAL EFFECTS;ENERGY SOURCES;ECONOMICS;COMMERCIAL BUILDINGS;INDUSTRIAL PLANTS;ENERGY CONVERSION; RESEARCH PROGRAMS;SAFETY;NUCLEAR ENERGY

230 GEOTHERMAL ENERGY FOR THE FUTURE. Banwell, J.; Meidav, T. Geotherm. Energy Mag.; 2: No. 12, 53; 55-58(Dec 1974).
From 138. annual meeting of the American Association for the Advancement of Science; Philadelphia, PA (Dec 1971).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; REVIEWS;DISTRIBUTION;EXPLOITATION;ENERGY YIELD; RESERVES

231 ALTERNATIVE SOURCES OF ENERGY: PRACTICAL TECHNOLOGY AND PHILOSOPHY FOR A DECENTRALIZED SOCIETY. Eccli, S. (ed.). ISBN 0-8164-9247-6. New York; United States of America (USA); Seabury Press (1975). 279p. Seabury Press, 815 Second Ave., New York, NY 10017 $6.95.
ECOLOGY;COMBINED CYCLES;SOLAR ENERGY;WIND POWER;HYDROELECTRIC POWER;METHANE;WOOD; TRANSPORTATION SYSTEMS;GEOTHERMAL ENERGY;WASTE HEAT;RECOVERY;COMPRESSED AIR;ENERGY POLICY; REGULATIONS;ENERGY CONSERVATION;ALCOHOLS; AGRICULTURE;DESIGN;ENGINEERING;SOLID WASTES; MAGNETOHYDRODYNAMICS;FUEL CELLS;SYNTHETIC FUELS

232 GEOTHERMAL ENERGY: A CHALLENGE OF NATURE. Combs, J. Paper No. A 75 459-8. New York; United States of America (USA); IEEE (1975). 7p. IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854.
From IEEE PES Summer Meeting; San Francisco, CA (20 Jul 1975).
GEOTHERMAL ENERGY;REVIEWS;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;POWER GENERATION

233 GEOTHERMAL ENERGY FROM DRY WELLS. pp 575-588 of Energy. Vol. II. Penner, S.S.; Icerman, L. Reading, MA; Addison-Wesley Publishing Co., Inc. (1975).
HEAT FLOW;HOT-DRY-ROCK SYSTEMS;ENERGY YIELD; GEOTHERMAL POWER PLANTS;COST;BINARY-FLUID SYSTEM;HYDRAULIC FRACTURING;USA;WELL DRILLING

234 GEOTHERMAL ENERGY: SLOW-GROWING INDUSTRY FINALLY HEATS UP (PART 1 OF A TWO-PART ARTICLE). Fuchs, R.L. (Geosystems Corp., New York City); Huttrer, G.W. (Thermex Co., Denver). Eng. Min. J.; 176: No. 1, 89-96(Jan 1975).
GEOTHERMAL ENERGY;EXPLOITATION;ECONOMICS; POWER POTENTIAL;LAND LEASING;LEGISLATION; CALIFORNIA;GEOTHERMAL FIELDS;UTAH;GEOTHERMAL WELLS;WELL DRILLING;USA;GEOTHERMAL RESOURCES; GEOTHERMAL POWER PLANTS;POWER GENERATION; ELECTRIC POWER;GEYSERS GEOTHERMAL FIELD

235 REMARKS BY OREGON GOVERNOR, TOM MCCALL, AT THE INTERNATIONAL CONFERENCE ON GEOTHERMAL ENERGY, NOON SESSION OF 7 OCT 1974. McCall, T. Geotherm. Energy Mag.; 3: No. 1, 19-21(Jan 1975).
From International Conference on Geothermal Energy; Oregon Inst. Tech., Klamath Falls, OR (7 Oct 1974).
GEOTHERMAL ENERGY;HEATING;ECONOMICS;COST; SPACE HEATING;ENERGY SUPPLIES;ENERGY POLICY; OREGON;USES;GEOTHERMAL RESOURCES

236 EARTH BOILS BELOW WHILE WE SCRATCH THE SURFACE FOR FUEL. Kiefer, I. Geotherm. Energy Mag.; 3: No. 1, 36-43(Jan 1975).
GEYSERS GEOTHERMAL FIELD;REVIEWS;DRY-STEAM SYSTEMS;GEOTHERMAL POWER PLANTS;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY;HOT-DRY-ROCK SYSTEMS

237 GEOTHERMAL ENERGY: THE CHALLENGES THAT LIE AHEAD (PART 2 OF A TWO-PART ARTICLE). Fuchs, R.L. (Geosystems Corp., New York City); Huttrer, G.W. (Thermex Co., Denver). Eng. Min. J.; 176: No. 2, 78-82(Feb 1975).
GEOTHERMAL ENERGY;EXPLOITATION;ECONOMICS; LEGAL ASPECTS;LAND LEASING;GEOTHERMAL EXPLORATION;BROADLANDS GEOTHERMAL FIELD;WELL DRILLING;GEOPHYSICAL SURVEYS;GEOTHERMAL POWER PLANTS;LARDERELLO GEOTHERMAL FIELD;GEYSERS GEOTHERMAL FIELD;MATSUKAWA GEOTHERMAL FIELD; POWER GENERATION

238 SALT CAVERNS: MULTI-PURPOSE STORAGE VESSELS. Slater, G.E. (Penn. State Univ., College of Earth and Mineral Sciences). Earth Miner. Sci.; 44: No. 5, 33(Feb 1975).
Brief review. ENERGY STORAGE;PETROLEUM; NATURAL GAS;STORAGE;COMPRESSED AIR;OFF-PEAK ENERGY STORAGE;SALT DEPOSITS;CAVITIES; RADIOACTIVE WASTE DISPOSAL;NONRADIOACTIVE WASTE DISPOSAL;GEOTHERMAL RESOURCES

239 GEOTHERMAL ENERGY: PRESENT STATUS AND PROSPECTS, WITH PARTICULAR REFERENCE TO ELECTRICITY PRODUCTION. Ceron, P. Termotecnica (Milan); 29: No. 3, 129-139(Mar 1975). (In Italian).
GEOTHERMAL ENERGY;REVIEWS;POWER GENERATION; DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;ITALY;NEW ZEALAND;USA;MEXICO;JAPAN;GEOTHERMAL POWER PLANTS;RESEARCH PROGRAMS

240 FUTURE DEVELOPMENTS IN THE UTILIZATION OF GEOTHERMAL ENERGY. Fanelli, M. (CNR, Pisa, Italy). Termotecnica (Milan); 29: No. 3, 140-144(Mar 1975). (In Italian).
GEOTHERMAL ENERGY;USES;ELECTRIC POWER; GEOTHERMAL POWER PLANTS;ITALY;USA;NEW ZEALAND; JAPAN;MEXICO;USSR;ICELAND;CHINA;EL SALVADOR;

WEST INDIES;TURKEY;GEOPRESSURED SYSTEMS;HOT-DRY-ROCK SYSTEMS;EXPLOITATION;REVIEWS

241 GEOTHERMAL ENERGY. Goguel, J. Sci. Tech. (Paris); 7-12(15 Mar 1975). (In French).
GEOTHERMAL ENERGY;USES;GEOTHERMAL POWER PLANTS;GEOTHERMAL RESOURCES;GEOLOGY

242 1974: THE GEOTHERMAL YEAR IN RETROSPECT. Wehlage, E.F. Trans., Int. Soc. Geotherm. Eng.; 1: No. 2, S.7409.1-S.7409.7(May 1975).
Development problems and outlook. GEOTHERMAL ENERGY;ELECTRIC POWER;REVIEWS;USA;KROV MACHINE; BINARY CYCLES;STEAM TURBINES;LEGAL ASPECTS; ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES

243 WHAT IS THE OUTLOOK FOR GEOTHERMAL POWER. Barr, R.C. (Earth Power Corp., Tulsa, OK). Oil Gas J.; 73: No. 19, 148-151(12 May 1975).
GEOTHERMAL ENERGY;ECONOMICS;ELECTRIC POWER; POWER GENERATION;CHARGES;CONSTRUCTION; COMPARATIVE EVALUATIONS;EXPLORATION

244 GEOTHERMAL ENERGY STIRS WORLDWIDE ACTION. Krieger, J.H. (C and EN, Washington, DC). Chem. Eng. News; 53: No. 23, 21-23; 26(9 Jun 1975).
DEVELOPING COUNTRIES;GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL EXPLORATION;AVAILABILITY; ECONOMICS;ITALY;ICELAND;JAPAN;MEXICO;NEW ZEALAND;USSR;USA;ETHIOPIA;EL SALVADOR;INDIA; KENYA;PHILIPPINES;TURKEY;INDONESIA

245 TAPPING GEOTHERMAL FORMATIONS IN EL SALVADOR CALLS FOR INNOVATIONS. Urbain, C. (Foramines S.A., a subsidiary of Foraky S.A.). Oil Gas J.; 73: No. 34, 84-90(25 Aug 1975).
EL SALVADOR;GEOTHERMAL RESOURCES; AVAILABILITY;GEOLOGY;EXPLORATION;SEISMIC SURVEYS;WELL DRILLING;GEOTHERMAL FIELDS; GEOTHERMAL WELLS

246 PRACTICAL GUIDELINES FOR GEOTHERMAL ENERGY DEVELOPMENT. Meckler, M. Geotherm. Energy Mag.; 3: No. 10, 36-41(Oct 1975).
FEASIBILITY STUDIES;POWER GENERATION; GEOTHERMAL ENERGY;ENGINEERING;ELECTRIC POWER; POWER POTENTIAL;ECONOMICS;ENVIRONMENTAL IMPACT STATEMENTS;FORECASTING;GEOTHERMAL RESOURCES; AVAILABILITY;PLANNING

USA

Refer also to citation(s) 178, 672, 715, 761, 847, 995, 1002, 1080, 1159, 1808, 2040, 2077, 2551, 2692, 2791, 3083, 3433, 3445, 3454, 3468, 3469, 3473, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3485, 3492, 3582, 3700, 3712, 3718, 3758, 3765, 3770, 3836, 3886, 3898, 4000, 4215, 4248, 4284, 4313, 4319, 4354, 4647

247 (AD--766855-1) DEVELOPMENT OF GEOTHERMAL RESERVOIRS FROM OVERPRESSURED AREAS BENEATH THE GULF COASTAL PLAIN OF TEXAS. A FEASIBILITY STUDY OF POWER PRODUCTION FROM OVERPRESSURED RESERVOIRS. FINAL REPORT. Herrin, E. (Southern Methodist Univ., Dallas, Tex. (USA)). Mar 1973. 148p. (AFOSR-TR--73-1344). NTIS $9.50.
TEXAS;GEOTHERMAL ENERGY;THERMODYNAMIC PROPERTIES;POWER GENERATION;GEOPRESSURED SYSTEMS;ELECTRIC POWER;SITE SELECTION;GEOLOGY; ECOLOGY;PROGRAMMING;BOREHOLES;GEOTHERMAL RESOURCES

248 (AD--771016) FEASIBILITY STUDY FOR DEVELOPMENT OF HOT-WATER GEOTHERMAL SYSTEMS. FINAL TECHNICAL REPORT. Combs, J.B. (California Univ., Riverside (USA)). Mar 1973. 123p. (IGPP-UCR--73-18; AFOSR-TR--73-2070). NTIS $4.25.
GEOTHERMAL RESOURCES;REVIEWS;CALIFORNIA; GEOPHYSICAL SURVEYS;AVAILABILITY;HOT-WATER SYSTEMS

249 (ANCR--1129, pp 385-389) GEOTHERMAL POTENTIAL OF THE SNAKE RIVER PLAIN AREA. Kunze, J.F.; Brugger, R.M. Dec 1973.
Nuclear Technology Division annual progress report for period ending June 30, 1973.
ENERGY SOURCES;GEOTHERMAL ENERGY;PRODUCTION; NRTS;ENERGY RESERVES;EXPLORATION;IDAHO; ECONOMICS;ELECTRIC POWER;ENVIRONMENT;GEOLOGY; GEOTHERMAL RESOURCES

250 (ANCR--1155) IDAHO GEOTHERMAL R AND D PROJECT REPORT FOR PERIOD DECEMBER 16, 1973 TO MARCH 15, 1974. Kunze, J.F.; Miller, L.G. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). 18 Mar 1974. Contract AT(10-1)-1375. 41p. Dep. NTIS $4.00.
IDAHO;GEOTHERMAL ENERGY;RESEARCH PROGRAMS; GEOLOGY;GEOPHYSICS;GEOTHERMAL POWER PLANTS; BINARY CYCLES;STEAM TURBINES

251 (ANCR--1175) IDAHO GEOTHERMAL R AND D PROJECT REPORT FOR PERIOD MARCH 16, 1974 TO JULY 15, 1974. Kunze, J.F.; Miller, L.G.; Whitbeck, J.F.; Lewis, B.D.; Martin, L.F.; Richarson, A.S.; Shaffer, C.J. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Aug 1974. Contract AT(10-1)-1375. 24p. Dep. NTIS $4.00.
WELL DRILLING;SEISMIC SURVEYS;GEOTHERMAL POWER PLANTS;DESIGN;IDAHO;RESEARCH PROGRAMS; GEOPHYSICAL SURVEYS;GEOTHERMAL ENERGY

252 (ANCR--1213) GEOLOGICAL ASPECTS OF AN ASSESSMENT OF THE NATIONAL POTENTIAL FOR NON-ELECTRICAL UTILIZATION OF GEOTHERMAL RESOURCES. Hollenbaugh, K.M.; Nichols, C.R. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Jun 1975. Contract AT(10-1)-1505. 251p. Dep. NTIS $7.60.
THERMAL WATERS;GEOTHERMAL RESOURCES;USES;USA; TABLES;HOT SPRINGS

253 (CIRC--726, pp 1-4) INTRODUCTION. White, D.E.; Williams, D.L. 1975.
Assessment of geothermal resources of the United States, 1975.
GEOTHERMAL RESOURCES;RESERVES;USA;RECOVERY; AVAILABILITY

254 (CIRC--726, pp 5-57) HYDROTHERMAL CONVECTION SYSTEMS. Renner, J.L.; White, D.E.; Williams, D.L. 1975.
Assessment of geothermal resources of the United States, 1975.
HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;USA; GEOTHERMAL RESOURCES;GEOTHERMOMETRY;TABLES; TEMPERATURE MEASUREMENT

255 (CIRC--726, pp 58-83) IGNEOUS-RELATED GEOTHERMAL SYSTEMS. Smith, R.L.; Shaw, H.R. 1975.
Assessment of geothermal resources of the United States, 1975.
HEAT;VOLCANIC REGIONS;USA;AGE ESTIMATION;

TABLES;GEOTHERMAL RESOURCES;HEAT TRANSFER

256 (CIRC--726, pp 84-103) TEMPERATURES AND HEAT CONTENTS BASED ON CONDUCTIVE TRANSPORT OF HEAT. Diment, W.H.; Urban, T.C.; Sass, J.H.; Marshall, B.V.; Munroe, R.J.; Lachenbruch, A.H. 1975.
Assessment of geothermal resources of the United States, 1975.
HEAT FLOW;EARTH CRUST;USA;TEMPERATURE DISTRIBUTION

257 (CIRC--726, pp 104-121) GEOTHERMAL RESOURCES IN HYDROTHERMAL CONVECTION SYSTEMS AND CONDUCTION-DOMINATED AREAS. Nathenson, M.; Muffler, L.J.P. 1975.
Assessment of geothermal resources of the United States, 1975.
GEOTHERMAL RESOURCES;HYDROTHERMAL SYSTEMS; CONVECTION;HEAT;THERMAL CONDUCTION;HEAT EXTRACTION;POWER POTENTIAL;TABLES;USA; TEMPERATURE MEASUREMENT

258 (CIRC--726, pp 122-124) RECOVERABILITY OF GEOTHERMAL ENERGY DIRECTLY FROM MOLTEN IGNEOUS SYSTEMS. Peck, D.L. 1975.
Assessment of geothermal resources of the United States, 1975.
HEAT EXTRACTION;MAGMA SYSTEMS;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;DRILLING; EQUIPMENT

259 (CIRC--726, pp 125-146) ASSESSMENT OF ONSHORE GEOPRESSURED-GEOTHERMAL RESOURCES IN THE NORTHERN GULF OF MEXICO BASIN. Papadopulos, S.S.; Wallace, R.H. Jr.; Wesselman, J.B.; Taylor, R.E. 1975.
Assessment of geothermal resources of the United States, 1975.
GEOPRESSURED SYSTEMS;GEOTHERMAL ENERGY; METHANE;ENERGY SOURCES;KINETIC ENERGY; HYDRAULICS;ENERGY YIELD;GEOTHERMAL RESOURCES; TEXAS;LOUISIANA;ZONES;GULF OF MEXICO

260 (CIRC--726, pp 147-155) SUMMARY AND CONCLUSIONS. White, D.E.; Williams, D.L. 1975.
Assessment of geothermal resources of the United States, 1975.
GEOTHERMAL RESOURCES;POWER POTENTIAL;USA; GEOTHERMAL SYSTEMS

261 (CIRC--726) ASSESSMENT OF GEOTHERMAL RESOURCES OF THE UNITED STATES, 1975. White, D.E.; Williams, D.L. (eds.). (Geological Survey, Washington, D.C. (USA)). 1975. 159p. U.S. Geological Survey, Reston, VA.
GEOTHERMAL RESOURCES;USA;POWER POTENTIAL; HEAT

262 (CONF-710571--, pp vp, Paper 3) ELECTRIC ENERGY MARKET AND SUPPLY IN THE NORTHWEST. Gruetter, J.G. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
Gives charts and graphs of US energy consumption, energy sources, and electric power requirements to 1980. ELECTRIC POWER;GEOTHERMAL ENERGY;ENERGY DEMAND;ENERGY SUPPLIES;ENERGY SOURCES;USA;COAL;NATURAL GAS;HYDROELECTRIC POWER

263 (CONF-710571--, pp vp, Paper 7) GEOTHERMAL POWER IN THE WEST. Aidlin, J.W. (Magma Power Co., Los Angeles). 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
Describes areas explored, discusses Magmamax process, discusses development by private industry. INDUSTRY;GEOTHERMAL ENERGY;USA;WELL DRILLING;MAGMAMAX PROCESS;GEOTHERMAL RESOURCES; LAND USE;GEOTHERMAL ENERGY CONVERSION

264 (CONF-710571--, pp vp, Paper 5) ENERGY AND THE ENVIRONMENT. Winter, T.C. Jr. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
ENERGY CONSUMPTION;ENVIRONMENTAL EFFECTS;USA; AIR POLLUTION;THERMAL POWER PLANTS;WATER POLLUTION;ENERGY SOURCES

265 (CONF-720963--1) ALTERNATIVE SOURCES OF ENERGY. Carlsmith, R.S. (Oak Ridge National Lab., Tenn. (USA)). 1972. 9p. NTIS $3.00; $0.95 (mf).
From 26. annual conference of the Middle East Institute; Washington, District of Columbia, USA (29 Sep 1972).
USA;ENERGY SOURCES;FOSSIL FUELS;NUCLEAR FUELS;SOLAR ENERGY;GEOTHERMAL ENERGY CONVERSION; ECONOMICS;ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES

266 (CONF-741145--3) GEOTHERMAL RESOURCE CHARACTERISTICS, EXPLORATION CONSIDERATIONS, AND PROPERTY ACQUISITION TECHNIQUES. Olson, H.J.; Dolan, W.M. (Purdue Univ., Lafayette, Ind. (USA). Automatic Control Center). 1974. 14p. Amax Exploration, Inc.; 4704 Harlan St., Denver, CO 80212.
From Annual meeting Society of Economic Geologists; Miami, Florida, USA (18 Nov 1974).
GEOTHERMAL RESOURCES;REGULATIONS;LEGAL ASPECTS;ECONOMICS;GEOTHERMAL EXPLORATION;LAND USE;LAND LEASING;COMPARATIVE EVALUATIONS; PETROLEUM INDUSTRY;MINING;INDUSTRY

267 (CONF-750612--) FIRST GEOPRESSURED GEOTHERMAL ENERGY CONFERENCE, AUSTIN, TEXAS, JUNE 2--4, 1975. Dorfman, M.H.; Deller, R.W. (eds.). (Texas Univ., Austin (USA)). 1975. 363p. Dep. NTIS $10.50.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
LEADING ABSTRACT;GEOPRESSURED SYSTEMS; GEOTHERMAL RESOURCES;MEETINGS;USA;GULF OF MEXICO

268 (CONF-750612--, pp 173-192) ENERGY POTENTIAL OF GEOPRESSURED RESERVOIRS: HYDROGEOLOGIC FACTORS. Papadopulos, S.S. (Geological Survey, Reston, VA). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
GEOPRESSURED SYSTEMS;HYDROLOGY;GEOLOGY;TEXAS; LOUISIANA;FLOW RATE;ENERGY YIELD;POWER POTENTIAL;GEOTHERMAL WELLS;AQUIFERS;GROUND SUBSIDENCE;MATHEMATICAL MODELS;PERFORMANCE

269 (CONF-750612--, pp 283-297) POTENTIAL POWER GENERATION AND GAS PRODUCTION FROM GULF COAST GEOPRESSURED RESERVOIRS. House, P.A.; Johnson, P.M.; Towse, D.F. (Univ. of California, Livermore). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).

First geopressured geothermal energy conference.
TEXAS;LOUISIANA;GULF OF MEXICO;GEOPRESSURED SYSTEMS;NATURAL GAS;GEOTHERMAL ENERGY;POWER GENERATION;GEOTHERMAL ENERGY CONVERSION;TOTAL FLOW SYSTEM;POWER POTENTIAL;ELECTRIC POWER; PRODUCTION;HYDRAULICS;GEOTHERMAL RESOURCES

270 (CONF-750612--, pp 337-362) PANEL DISCUSSION: SUMMATION AND FUTURE PROJECTIONS. 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
MEETINGS;GEOPRESSURED SYSTEMS;GEOTHERMAL RESOURCES

271 (LA--5818-C) PROCEEDINGS OF THE NATO-CCMS INFORMATION MEETING ON DRY HOT ROCK GEOTHERMAL ENERGY, SEPTEMBER 17--19, 1974, LOS ALAMOS, NEW MEXICO. Tester, J.W. (Los Alamos Scientific Lab., N.Mex. (USA)). Dec 1974. Contract W-7405-eng-36. 40p. (CONF-740975--1). Dep. NTIS $4.00.
GEOTHERMAL RESOURCES;HOT-DRY-ROCK SYSTEMS; MEETINGS;INTERNATIONAL COOPERATION;RESEARCH PROGRAMS;US AEC;PLANNING;FRANCE;GERMAN FEDERAL REPUBLIC;ITALY;MEXICO;NEW ZEALAND;NICARAGUA; TURKEY;BOREHOLES;TEMPERATURE GRADIENTS; ECONOMICS;GEOLOGICAL SURVEYS

272 (LA-UR--73-926) POTENTIAL FOR THE PRODUCTION OF POWER FROM GEOTHERMAL RESOURCES. Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). 1973. Contract W-7405-eng-36. 18p. Dep. NTIS $3.00.
PRODUCTION;GEOTHERMAL ENERGY;ENERGY SOURCES; POWER GENERATION;POWER POTENTIAL;POLLUTION; ECONOMICS;GEOLOGY;GEOTHERMAL POWER PLANTS; GEOTHERMAL RESOURCES

273 (LA-UR--73-1075) POTENTIAL FOR HOT-DRY-ROCK GEOTHERMAL ENERGY IN THE WESTERN UNITED STATES. Brown, D.W. (Los Alamos Scientific Lab., N.Mex. (USA)). 25 Jul 1973. Contract W-7405-eng-36. 22p. Dep. NTIS $3.25.
Hot rock temperature approx. 290°C at 4 km.. USA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ROCKS;GEOLOGY;HEATING;LASL;RESEARCH PROGRAMS; REGIONAL ANALYSIS;PLANNING;HOT-DRY-ROCK SYSTEMS; ENERGY YIELD;POWER POTENTIAL;ENERGY;ROCK DRILLING;HIGH TEMPERATURE

274 (LA-UR--75-1126) DRY HOT ROCK SYSTEMS. Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-eng-36. 10p. (CONF-750720--1). Dep. NTIS $4.00.
HOT-DRY-ROCK SYSTEMS;GEOTHERMAL RESOURCES; USA;POWER GENERATION;FORECASTING;POWER POTENTIAL;HEAT

275 (LBL--2102) COMPARISON OF ELEMENTARY GEOTHERMAL-BRINE POWER-PRODUCTION PROCESSES. Green, M.A.; Laird, A.D.K. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). 2 Aug 1973. Contract W-7405-eng-48. 34p. (CONF-730846--1). Dep. NTIS $3.75.
GEOTHERMAL ENERGY;ENERGY SOURCES;PRODUCTION; POWER;COMPARATIVE EVALUATIONS;ECONOMICS;BRINES; GEOTHERMAL POWER PLANTS;MEDIUM TEMPERATURE;HIGH TEMPERATURE;POWER GENERATION;GEOTHERMAL ENERGY CONVERSION

276 (N--74-17801) FEASIBILITY STUDY FOR DEVELOPMENT OF HOT-WATER GEOTHERMAL SYSTEMS. FINAL TECHNICAL REPORT. Combs, J.B. (California Univ., Riverside (USA). Inst. of Geophysics and Planetary Physics). Mar 1973. 126p. (AD--771016; IGPP-UCR--73-18; AFOSR--73-2070TR). NTIS.
HOT-WATER SYSTEMS;FEASIBILITY STUDIES; REVIEWS;GEOTHERMAL RESOURCES;ENERGY SOURCES; GEOTHERMAL EXPLORATION

277 (N--74-18604, pp 109-29) ENERGY OPTIONS - TECHNOLOGICAL DEVELOPMENT FOR NEW ENERGY SOURCES. Balzhiser, R.E. 14 Apr 1972.
Mitre Corp. Symposium on Energy Resources and the Environment, Vol. 3.
ENERGY SOURCES;SOLAR ENERGY;COAL;FOSSIL FUELS;GEOTHERMAL ENERGY;ECONOMICS;PLANNING; ENERGY POLICY

278 (N--74-29733) APPLICATION OF REMOTE SENSING TO STATE AND LOCAL GOVERNMENT (ARSIG). ANNUAL REPORT. Foster, K.E.; Johnson, J.D. (Arizona Univ., Tucson (USA)). Apr 1974. Contract NGL-03-002-313. 113p. (NASA-CR--139315). NTIS $8.75.
REMOTE SENSING;ARIZONA;GEOTHERMAL RESOURCES; HYDROLOGY;LAND USE;MANAGEMENT

279 (NP--19729) ASSESSMENT OF GEOTHERMAL ENERGY RESOURCES. 25 Sep 1972. 87p.

280 (NP--20391) POTENTIAL GEOTHERMAL RESOURCES OF TEXAS. GEOLOGICAL CIRCULAR 74-4. Dorfman, M.; Kehle, R.O. (Texas Univ., Austin (USA). Bureau of Economic Geology). 1974. 35p. Univ. of Texas, Austin.
GEOTHERMAL RESOURCES;TEXAS;GEOTHERMAL EXPLORATION;ENVIRONMENTAL EFFECTS;COST;HOT SPRINGS;HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS; GEOPRESSURED SYSTEMS;GEOLOGIC DEPOSITS;POWER POTENTIAL

281 (NSF/RA/N--73-003) GEOTHERMAL ENERGY. A NATIONAL PROPOSAL FOR GEOTHERMAL RESOURCES RESEARCH. Hickel, W.J.; Denton, J.C.; Dunlop, D.D. (Alaska Univ., College (USA)). 1974. 95p. (CONF-7209128--1). GPO $1.45.
GEOTHERMAL ENERGY;MEETINGS;RESEARCH PROGRAMS; GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; ECONOMICS;ENVIRONMENTAL EFFECTS;POWER GENERATION;AVAILABILITY;ENGINEERING

282 (NSF/RA/N--74-027-A) THE MARYSVILLE, MONTANA GEOTHERMAL PROJECT, FIRST ANNUAL REPORT, PART I. McSpadden, W.R.; Eliason, J.R.; Kuwada, J.; Bott, W. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). Jun 1974. Contract GI-38972. 95p. Manager of Geothermal Projects, National Science Foundation (RANN), 1800 G Street NW, Washington, DC 20550.
MONTANA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ENVIRONMENT;INFRARED RADIATION; GEOPHYSICAL SURVEYS

283 (NSF/RA/N--74-159, pp 335-339) CITY INVESTS IN ITS FUTURE. Baker, J.N. (City Manager, Burbank, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
Proposed geothermal development at Burbank.
CALIFORNIA;ENERGY SOURCES;PLANNING;GEOTHERMAL ENERGY

284 (PB--196325) ENERGY FUEL MINERAL RESOURCES OF THE PUBLIC LANDS. VOLUME VI: LEGAL STUDY OF COAL RESOURCES ON PUBLIC LANDS; GEOTHERMAL RESOURCES ON PUBLIC LANDS. INTERIM REPORT. (Utah Univ., Salt Lake City. College of Law). Dec 1970. Contract PLLRC--68-C-11. 630p. NTIS $9.00; $0.95 (mf).
COAL RESERVES;GEOTHERMAL RESOURCES;LEGAL ASPECTS;MINERAL SPRINGS;LAND LEASING;PUBLIC LANDS

285 (PB--196325) ENERGY FUEL MINERAL RESOURCES OF THE PUBLIC LANDS. VOLUME VI. LEGAL STUDY OF COAL RESOURCES ON PUBLIC LANDS; GEOTHERMAL RESOURCES ON PUBLIC LANDS. (Utah Univ., Salt Lake City (USA)). Dec 1970. 630p. NTIS $9.00.
COAL RESERVES;PUBLIC LANDS;LEGISLATION;COAL DEPOSITS;REVIEWS;LEGAL ASPECTS;GEOTHERMAL RESOURCES

286 (PB--203149) HUNTINGTON CANYON GENERATING STATION AND TRANSMISSION LINE (DRAFT ENVIRONMENTAL IMPACT STATEMENT). (Department of the Interior, Washington, D.C. (USA); Department of Transportation, Washington, D.C. (USA); Department of Agriculture, Washington, D.C. (USA)). 17 Sep 1971. 153p. NTIS $3.00; $0.95 (mf).
THERMAL POWER PLANTS;WATER QUALITY; ENVIRONMENTAL EFFECTS;ENVIRONMENTAL IMPACT STATEMENTS;WASTE DISPOSAL;COAL;GEOTHERMAL RESOURCES;UTAH;PLANNING

287 (PB--204525) RANKING RESEARCH PROBLEMS IN GEOTHERMAL DEVELOPMENT. RESEARCH AND DEVELOPMENT PROGRESS REPORT. Laird, A.D.K. (California Univ., Berkeley (USA)). Aug 1971. Contract DI-14-30-2635. 38p. (OSW-PR--711; INT-OSW-RDPR--71-711). GPO $0.45; NTIS $0.95 (mf).
IMPERIAL VALLEY;BRINES;GEOTHERMAL ENERGY; PLANNING;RESEARCH PROGRAMS;COST BENEFIT ANALYSIS;ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES;CALIFORNIA;MANAGEMENT

288 (PB--206161-F) PROPOSED DEEP GEOTHERMAL TEST WELL, GEOTHERMAL RESOURCES INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Bureau of Reclamation, Boulder City, NV). 28 Apr 1972. 83p. NTIS $3.00; $0.95 (mf).
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; BOREHOLES;ENVIRONMENTAL IMPACT STATEMENTS; NATURAL STEAM;BRINES;POWER GENERATION; DESALINATION;GEOTHERMAL RESOURCES;WELL DRILLING

289 (PB--212753) GEOTHERMAL RESOURCES IN CALIFORNIA - POTENTIALS AND PROBLEMS. Goldsmith, M.; Rolph, E. (California Assembly General Research Committee, Sacramento). May 1972. Contract NSF-GT-6. 76p. NTIS $3.00; $0.95 (mf).
CALIFORNIA;GEOTHERMAL RESOURCES;EXPLOITATION; ECONOMICS;ENVIRONMENTAL EFFECTS;GEOTHERMAL EXPLORATION;POWER GENERATION;DESALINATION; COOLING

290 (PB--216423) GEOTHERMAL ENERGY, A NATIONAL PROPOSAL FOR GEOTHERMAL RESOURCES RESEARCH. (Alaska Univ., College (USA)). 1973. 95p. NTIS $4.85; $1.45 (mf).
From Geothermal Resources Research Conference; Battelle Research Center, Seattle, WA (18-20 Sep 1972).
MEETINGS;PROCEEDINGS;RESEARCH PROGRAMS; GEOTHERMAL RESOURCES;WATER RESOURCES;WATER RESERVOIRS;GEOTHERMAL EXPLORATION;DRILLING; GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY; DESALINATION;GEOTHERMAL FLUIDS;USA

291 (PB--218830, pp 42) MEETING TOMORROW'S ELECTRIC POWER NEEDS: NEW METHODS, NEW CONCEPTS. Gerdes, R.H. 1968.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USA;ELECTRIC POWER;POWER GENERATION; GEOTHERMAL ENERGY;PLANNING;ECONOMICS;MHD GENERATORS;EHD GENERATORS;ENERGY SOURCES;ENERGY DEMAND;FORECASTING

292 (PB--218830, pp 19) GEOTHERMAL POWER IN NEW MEXICO. Birdseye, H.S. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
NEW MEXICO;GEOTHERMAL EXPLORATION;BOREHOLES; POWER POTENTIAL;MAPS;GEOTHERMAL RESOURCES; PLANNING;DRY-STEAM SYSTEMS;GEOLOGIC DEPOSITS

293 (PB--222326) GEOTHERMAL ENERGY. FINAL REPORT. Hickel, W.J. (Alaska Univ., Anchorage). Sep 1972. 93p. NTIS $3.00; $1.45 (mf).
From Geothermal Resources Research Conference; Battelle Seattle Research Center, Seattle, WA (18-20 Sep 1972).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;ECONOMICS;ENVIRONMENTAL EFFECTS; GEOTHERMAL ENERGY CONVERSION;MEETINGS

294 (PB--222948) SOURCES OF DATA FOR EVALUATION OF SELECTED GEOTHERMAL AREAS IN NORTHERN AND CENTRAL NEVADA. WATER RESOURCES INVESTIGATIONS. Olmsted, F.H.; Glancy, P.A.; Harrill, J.R.; Rush, F.E.; VanDenburgh, A.S. (Geological Survey, Menlo Park, Calif. (USA)). Aug 1973. 84p. NTIS $6.25.
GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS; GEOLOGICAL SURVEYS;BIBLIOGRAPHIES;NEVADA;HEAT TRANSFER;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

295 (PB--224882) ASSESSMENT OF GEOTHERMAL ENERGY RESOURCES. Peck, D.L. (Geological Survey, Washington, D.C. (USA)). 26 Jun 1972. 97p. NTIS $3.75.
GEOTHERMAL RESOURCES;ENVIRONMENTAL EFFECTS; FORECASTING;EXPLORATION;ENERGY SOURCES;ELECTRIC POWER;PLANNING;ECONOMICS;GEOTHERMAL ENERGY; AVAILABILITY;RESEARCH PROGRAMS;POWER POTENTIAL; USA

296 (PB--226760) FUTURE ROLE OF DESALTING IN NEVADA. Prehn, W.L. (Southwest Research Inst., San Antonio, Tex. (USA)). 30 Apr 1973. 234p. GPO $14.25; $1.45 (mf).
DESALINATION;WATER RESOURCES;GEOTHERMAL RESOURCES;NEVADA;INDUSTRIAL PLANTS;COST; PLANNING;OSMOSIS;DIALYSIS;ION EXCHANGE

297 (SAND--74-0253) MAGMA-TAP: THE ULTIMATE GEOTHERMAL ENERGY PROGRAM. Colp, J.L. (Sandia Labs., Albuquerque, N.Mex. (USA)). Nov 1974. Contract AT(29-1)-789. 22p. (CONF-740815--2). Dep. NTIS $4.00.
MAGMA SYSTEMS;GEOTHERMAL ENERGY CONVERSION; GEOTHERMAL POWER PLANTS;PERFORMANCE; SPECIFICATIONS;USA;GEOTHERMAL RESOURCES; RESEARCH PROGRAMS

298 (SAND--75-5492) SANDIA MAGMA ENERGY RESEARCH PROJECT. Colp, J.L.; Brandvold, G.E. (Sandia Labs., Albuquerque, N.Mex. (USA)).

1975. 25p. (CONF-750525--3). Dep. NTIS $4.25.
SANDIA LABORATORIES;RESEARCH PROGRAMS;MAGMA SYSTEMS;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;HEAT EXTRACTION;USA;MATERIALS TESTING;HEAT EXCHANGERS;FEASIBILITY STUDIES

299 (SAND--75-6160) CAN THE DREAM OF USING MAGMA ENERGY COME TRUE. Colp, J.L. (Sandia Labs., Albuquerque, N.Mex. (USA)). 1975. 2p. (CONF-751154--1). Dep. NTIS $4.50.
MAGMA SYSTEMS;RESEARCH PROGRAMS;SANDIA LABORATORIES

300 (TID--25857) MAN'S CONQUEST OF ENERGY, ITS ECOLOGICAL AND HUMAN CONSEQUENCES. Hubbert, M.K. Jun 1972. NTIS $3.00.
From Environmental and Ecological Forum 1970-1971;
ELECTRIC POWER;POWER GENERATION;FOSSIL FUELS; SOLAR ENERGY;TIDAL POWER;GEOTHERMAL ENERGY; NUCLEAR FUELS;POWER REACTORS;ENVIRONMENTAL EFFECTS;ECOLOGY;HUMAN POPULATIONS;ECONOMICS; ENERGY DEMAND

301 (UCID--16951) GEOTHERMAL PROJECT DESCRIPTION: LLL EXPERIMENTAL SITE SALTON SEA GEOTHERMAL FIELD. Palmer, T.D.; Towse, D.F. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 7 Nov 1975. Contract W-7405-Eng-48. 17p. Dep. NTIS $4.00.
SALTON SEA GEOTHERMAL FIELD;RESEARCH PROGRAMS;TOTAL FLOW SYSTEM;PLANNING;LAND LEASING;ENVIRONMENT;TESTING;MAPS;FEASIBILITY STUDIES;LAWRENCE LIVERMORE LABORATORY

302 (UCRL--51221) ENERGY - USES, SOURCES, ISSUES. Austin, A.L.; Rubin, B.; Werth, G.C. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 30 May 1972. 129p. Dep. NTIS.
ENERGY CONSUMPTION;ENERGY SUPPLIES;ENERGY SOURCES;COST;ECONOMICS;ENVIRONMENTAL EFFECTS; GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; HYDROELECTRIC POWER;NATURAL GAS;PETROLEUM;SHALE OIL

303 (UCRL--51813) POTENTIAL POWER GENERATION AND GAS PRODUCTION FROM GULF COAST GEOPRESSURE RESERVOIRS. House, P.A.; Johnson, P.M.; Towse, D.F. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 27 May 1975. Contract W-7405-eng-48. 39p. Dep. NTIS $5.00.
POWER POTENTIAL;GEOPRESSURED SYSTEMS;NATURAL GAS;GEOTHERMAL ENERGY;GULF OF MEXICO;TEXAS; LOUISIANA;GEOTHERMAL ENERGY CONVERSION;TOTAL FLOW SYSTEM;ECONOMICS;INJECTION WELLS; THERMODYNAMICS;PRESSURE DEPENDENCE;GEOTHERMAL WELLS;MATHEMATICAL MODELS;BINARY CYCLES;POWER GENERATION;GEOTHERMAL RESOURCES;COST;GEOTHERMAL POWER PLANTS;PERFORMANCE;SYSTEMS ANALYSIS

304 (UCRL--51851) ESTIMATE OF THE GEOTHERMAL ENERGY RESOURCE IN THE SALTON TROUGH, CALIFORNIA. Towse, D. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 18 Jun 1975. Contract W-7405-Eng-48. 24p. Dep. NTIS $4.00.
GEOTHERMAL RESOURCES;RESERVES;POWER POTENTIAL;ENERGY YIELD;SALTON SEA GEOTHERMAL FIELD;HIGH TEMPERATURE;BRINES;ENTHALPY;HOT-WATER SYSTEMS;ECONOMICS;CALIFORNIA

305 (UCRL--74807) SOME ELEMENTS OF THE NORTHERN GULF OF MEXICO BASIN GEOPRESSURE ENERGY RESOURCE. Myers, B.; Nelson, R.; Howard, J.; Austin, R. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 7 Jun 1973. 27p. (CONF-730659--1). Dep. NTIS $3.50.
ENVIRONMENT;ECONOMICS;GROUND WATER;NATURAL GAS;ENERGY SOURCES;GEOTHERMAL ENERGY;ELECTRIC POWER;GULF OF MEXICO;TEXAS;LOUISIANA;ENERGY CONVERSION;STORED ENERGY;HEATING;GEOTHERMAL RESOURCES;GEOPRESSURED SYSTEMS

306 (UCRL--76416) POTENTIAL POWER GENERATION AND GAS PRODUCTION FROM GULF COAST GEOPRESSURED RESERVOIRS. House, P.A.; Johnson, P.M.; Towse, D.F. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 15 May 1975. 28p. (CONF-750612--1). Dep. NTIS $4.00.
POWER POTENTIAL;POWER GENERATION; GEOPRESSURED SYSTEMS;TEXAS;LOUISIANA;NATURAL GAS;HYDRAULICS;GEOTHERMAL ENERGY;TOTAL FLOW SYSTEM;BINARY CYCLES;FLASHED STEAM SYSTEM; GEOTHERMAL POWER PLANTS;ELECTRIC POWER; PRODUCTION;ECONOMICS

307 APPENDIX B1. pp 245-304 of Meeting California's energy requirements, 1975-2000. Menlo Park, CA; Stanford Res. Inst. ([nd]).
CALIFORNIA;GEOTHERMAL RESOURCES;FORECASTING; GEOTHERMAL ENERGY;POWER POTENTIAL;GEYSERS GEOTHERMAL FIELD;IMPERIAL VALLEY;GEOTHERMAL FIELDS;ENVIRONMENTAL EFFECTS;ECONOMICS; GEOTHERMAL EXPLORATION;POWER POTENTIAL

308 SANTA BARBARA COUNTY. Huguenin, E. pp 741-5 of 15th Report of State Mineralogist, Pt. 5. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;HOT SPRINGS;GEOTHERMAL RESOURCES

309 INYO COUNTY. Waring, C.A. pp 112-17 of 15th Report of State Mineralogist, Pt. 1, Chapter 2. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;MINERAL RESOURCES;HOT SPRINGS; GEOTHERMAL RESOURCES

310 PLACER COUNTY. Waring, C.A. pp 393-7 of 15th Report of State Mineralogist, Pt. 3, Chapter 2. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;HOT SPRINGS;MINERAL RESOURCES; GEOTHERMAL RESOURCES

311 TULARE COUNTY. Tucker, W.B. pp 941-6 of 15th Report of State Mineralogist, Pt. 6, Chapter 2. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;HOT SPRINGS;THERMAL WATERS; MINERALS;GEOTHERMAL RESOURCES;MINERAL RESOURCES

312 TEHAMA COUNTY. Tucker, W.B. pp 262-6 of 15th Report of State Mineralogist, Pt. 2, Chapter 5. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;HOT SPRINGS;MINERALS;GEOTHERMAL RESOURCES;MINERAL RESOURCES

313 LASSEN COUNTY. Tucker, W.B. pp 236-8 of 15th Report of State Mineralogist, Pt. 2, Chapter 2. Sacramento; Calif. Bur. Mines (1919).
GEOTHERMAL RESOURCES;CALIFORNIA;HOT SPRINGS; MINERALS;THERMAL WATERS;MINERAL RESOURCES

314 MODOC COUNTY. Tucker, W.B. pp 252-3 of 15th Report of State Mineralogist, Pt. 1,

Chapter 3. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;GEOTHERMAL RESOURCES;HOT SPRINGS; MINERALS;MINERAL RESOURCES

315 VENTURA COUNTY. Huguenin, E. pp 765-7 of 15th Report of State Mineralogist, Pt. 5. Sacramento; Calif. Bur. Mines (1919).
CALIFORNIA;HOT SPRINGS;CHEMICAL ANALYSIS; TEMPERATURE MEASUREMENT

316 CONTRA COSTA COUNTY. Huguenin, E.; Castello, W.O. pp 56-7 of 17th Report of State Mineralogist, Pt. 1. Sacramento; Calif. Bur. Mines (1921).
CALIFORNIA;HOT SPRINGS;TEMPERATURE MEASUREMENT;CHEMICAL ANALYSIS

317 SANTA BARBARA COUNTY. Tucker, W.B. pp 539-62 of 21st Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1925).
CALIFORNIA;HOT SPRINGS;MINERALS;GEOTHERMAL RESOURCES

318 SAN DIEGO COUNTY. Tucker, W.B. pp 325-82 of 21st Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1925).
CALIFORNIA;HOT SPRINGS;MINERALS;GEOTHERMAL RESOURCES;MINERAL RESOURCES

319 INYO COUNTY. Tucker, W.B. pp 517-20 of 22nd Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1926).
CALIFORNIA;HOT SPRINGS;GEOTHERMAL RESOURCES; MINERAL RESOURCES

320 MONO COUNTY. Tucker, W.B. pp 401-3 of 23rd Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1927).
GEOTHERMAL RESOURCES;HOT SPRINGS;CALIFORNIA

321 RIVERSIDE COUNTY. Tucker, W.B.; Sampson, R.J. pp 468-526 of 25th Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1929).
GEOTHERMAL RESOURCES;CALIFORNIA;HOT SPRINGS; MINERAL SPRINGS

322 KERN COUNTY. Tucker, W.B. pp 20-81 of 25th Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1929).
HOT SPRINGS;CALIFORNIA;MINERAL RESOURCES; GEOTHERMAL RESOURCES

323 VENTURA COUNTY. Tucker, W.B.; Sampson, R.J. pp 247-77 of 28th Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1932).
CALIFORNIA;HOT SPRINGS;GEOTHERMAL RESOURCES; MINERAL RESOURCES

324 IMPERIAL CARBON DIOXIDE FIELD. Rook, S.H.; Williams, G.C. Calif. Div. Oil, Gas, 28th Report, Summ. Operations; No. 2, 12-33(1942).
SALTON SEA;GEOTHERMAL EXPLORATION;NATURAL STEAM;CARBON DIOXIDE;RECOVERY

325 GEOLOGY OF THE MACDOEL QUADRANGLE, CALIFORNIA. Williams, H. Can. Div. Mines, Bull.; 151: 7-60(1949).
HOT SPRINGS;CALIFORNIA;GEOLOGY;VOLCANOES

326 GEOTHERMAL POWER IN CALIFORNIA. McIntyre, M.P. Science; 127: No. 3305, 1035-6(1958).
GEYSERS GEOTHERMAL FIELD;POWER POTENTIAL; GEOTHERMAL EXPLORATION;CALIFORNIA;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;GEOTHERMAL WELLS; DRY-STEAM SYSTEMS;GEOTHERMAL GRADIENTS;WELL DRILLING

327 INVESTIGATION OF THE AVAILABILITY OF GEOTHERMAL ENERGY FOR THE DEMINERALIZATION OF SALINE WATER IN THE BLACK HILLS REGION. MacDonald, J.R.; Stensaas, E.R.; Stafford, P.M. pp 1-24 (Research and Development Progress Report 28, Part 1) of Investigation of the availability of geothermal energy for the demineralization of saline water. Washington, DC; US Dept. Interior (1959).
SOUTH DAKOTA;TEMPERATURE GRADIENTS;THERMAL WATERS;AVAILABILITY;GEOTHERMAL ENERGY;USES; GEOPHYSICAL SURVEYS;BRINES;GEOTHERMAL RESOURCES

328 INVESTIGATION OF THE AVAILABILITY OF GEOTHERMAL ENERGY FOR THE DEMINERALIZATION OF SALINE WATER IN CALIFORNIA. Cope, J.H. pp 25-43 (Research and Development Progress Report 28, Part 2) of Investigation of the availability of geothermal energy for the demineralization of saline water. Washington, DC; US Dept. Interior (1959).
CALIFORNIA;GEOTHERMAL RESOURCES;GEOTHERMAL WELLS;HOT SPRINGS;GEYSERS;NATURAL STEAM; GEOTHERMAL GRADIENTS;GEOTHERMAL ENERGY; ECONOMICS;BRINES;SEAWATER;DEMINERALIZATION;USES; AVAILABILITY

329 LAKE COUNTY'S NEW CONTINUOUS GEYSER. Peteron, N.V. Ore Bin; 21: No. 9, 83-8(1959).
OREGON;GEYSERS;BOREHOLES

330 GEOTHERMAL POWER TO COME TO US. Michael, G.V. Plant and Power Services Engr.; 1: No. 5, 18-19(Sep 1959).
CALIFORNIA;GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;NATURAL STEAM; SUPERHEATED STEAM;DESIGN;OPERATION;PLANNING; COST

331 POWER RECOVERY FROM THE KILAUEA IKI LAVA POOL. Kennedy, G.C.; Griggs, D.T. Contract AT-11-1-135. United States of America (USA); Rand Corp. (1960). 25p.
VOLCANOES;HAWAII;POWER POTENTIAL;ENERGY YIELD;GEOTHERMAL ENERGY;HEAT;ECONOMICS; EXPLOITATION;EFFICIENCY;ELECTRICITY;LAVA

332 US GEOTHERMAL WELLS ARE NOW A REALITY. Langton, A. Petrol. Engr.; 33: No. 11, 76-81(1961).
USA;GEOTHERMAL WELLS;SPECIFICATIONS;HOT SPRINGS;GEYSERS GEOTHERMAL FIELD

333 US HARNESSING VOLCANIC STREAM. McLaughlin, K. New York Times; 112: No. 38,256, Sec. 3, 10, Col. 3-6(1962).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;GEOTHERMAL RESOURCES; PLANNING;NATURAL STEAM

334 NATURAL STEAM EXPLORATION IN USA. Facca, G.; Tonani, F. Boll. Geofis. Teor. Appl.; 4: No. 14, 155-70(1962). (Italian abstract).
USA;GEOTHERMAL EXPLORATION;GEOTHERMAL WELLS;

GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;NEVADA;GEOTHERMAL RESOURCES; NATURAL STEAM

335 EXPLORATION AND DEVELOPMENT OF GEOTHERMAL POWER IN CALIFORNIA. McNitt, J.R. Special report No. 75. Sacramento; United States of America (USA); Calif. Div. Mines, Geol. (1963). 45p.
CALIFORNIA;GEOTHERMAL FIELDS;EXPLOITATION; GEOTHERMAL POWER PLANTS;POWER GENERATION; GEOTHERMAL EXPLORATION;GEYSERS GEOTHERMAL FIELD; SALTON SEA;GEOTHERMAL ENERGY;NATURAL STEAM;FLOW RATE;WELL DRILLING

336 SALTON SEA GEOTHERMAL WELLS YIELD STEAM POWER AND MINERAL RICH BRINE. Eng. Min. J.; 165: 116(1964).
CALIFORNIA;GEOTHERMAL WELLS;WELL DRILLING; SALTON SEA;BRINES;MINERALS;CHEMICAL COMPOSITION; IMPERIAL VALLEY;GEOTHERMAL EXPLORATION;MINERAL RESOURCES

337 RESULTS AND POWER GENERATION IMPLICATIONS FROM DRILLING INTO THE KILAUEA IKI LAVA LAKE. Rawson, D.E.; Bennett, W.P. pp 337-60 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
HAWAII;LAVA;DRILLING;LAKES;TEMPERATURE MEASUREMENT;POWER GENERATION;POWER POTENTIAL; CORROSIVE EFFECTS;PIPES;GEOTHERMAL RESOURCES; VOLCANOES;STEAM

338 PRELIMINARY REPORT ON NEW MEXICO'S GEOTHERMAL ENERGY RESOURCES. Summers, W.K. New Mexico Bureau of Mines, Mineral Research, Circular 80. New Mexico Bur. Mines (1965). 41p.
NEW MEXICO;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;HOT SPRINGS;POWER POTENTIAL;GEOTHERMAL WELLS;THERMAL WATERS;CHEMICAL COMPOSITION; GEOCHEMISTRY;THERMODYNAMICS;FLUID MECHANICS; DRILLING;GEOTHERMAL EXPLORATION;COST;STEAM; HYDROTHERMAL SYSTEMS

339 GEOTHERMAL RESOURCES DEVELOPMENT. pp 165-7 of 51st Report of California Division of Oil and Gas, State oil, gas Supervisor, Summary of Operations. Sacramento; Calif. Div. Oil, Gas (1965).
CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

340 MINERAL COMMODITIES IN CALIFORNIA DURING 1960, 1961, 1962. Davis, F.F. pp 45-7 of 58th Report of State Mineralogist, California Division of Mines. Sacramento; Calif. Div. Mines (1965).
CALIFORNIA;NATURAL STEAM;GEOTHERMAL RESOURCES;POWER POTENTIAL;GEOTHERMAL ENERGY; MINERAL RESOURCES

341 GEOTHERMAL ENERGY. White, D.E. US Geological Survey Circular 519. Washington, DC; United States of America (USA); US Geol. Surv. (1965). 17p.
GEOTHERMAL RESOURCES;EXPLOITATION; AVAILABILITY;POWER POTENTIAL;COST;ECONOMICS; BIBLIOGRAPHIES;GEOTHERMAL FIELDS;USA;GEOLOGY; ENERGY YIELD

342 UNDERGROUND TEMPERATURES AND HEAT FLOW IN THE EAST TINTIC DISTRICT, UTAH. Lovering, T.S.; Morris, H.T. pp 1-28 of US Geological Survey Professional Paper 504-F. Washington, DC; US Geological Surv. (1965).
UTAH;GEOTHERMAL RESOURCES;MAPS;TEMPERATURE GRADIENTS;HEAT FLOW;TEMPERATURE DISTRIBUTION; BOREHOLES;THERMAL CONDUCTIVITY;THERMAL WATERS; SAMPLING;SALINITY;GEOPHYSICAL SURVEYS

343 PRELIMINARY REPORT ON NEW MEXICO'S GEOTHERMAL ENERGY RESOURCES. Summers, W.K. NM Bureau of Mines and Mineral Resources Circular 80. New Mexico Bur. Mines. Miner. Resources (1965). 41p.
NEW MEXICO;GEOTHERMAL RESOURCES;HOT SPRINGS; GEOTHERMAL WELLS

344 REVIEW OF GEOTHERMAL RESOURCES. McNitt, J.R. pp 240-66 of Terrestrial heat flow: American Geophysical Union, Geophysical Monthly No. 8. Lee, W.H.K. (ed.). Washington, DC; Natl. Acad. Sci., Natl. Res. Council (Publ. 1288) (1965).
USA;ITALY;NEW ZEALAND;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;GEOTHERMAL POWER PLANTS; GEOLOGICAL SURVEYS;VOLCANIC REGIONS;GEOLOGIC STRATA;THERMAL WATERS;TECTONICS;GEOTHERMAL GRADIENTS;ENTHALPY;SEAWATER;ROCKS;CHEMICAL REACTIONS;GEOPHYSICAL SURVEYS;GEOTHERMAL SYSTEMS

345 LET'S TAP NATURE'S STEAM PLANTS. Bible, A. Public Util. Fortn.; 76: 15-19(19 Aug 1965).
USA;GEOTHERMAL RESOURCES;NATURAL STEAM; GEOTHERMAL ENERGY

346 GEOTHERMAL POWER IN CALIFORNIA, A RESPONSE TO SENATE RESOLUTION NO. 138, RELATING TO THE USE OF GEOTHERMAL POWER FOR THE TRANSPORTATION OF WATER OVER THE TECHACHAP MOUNTAINS. Campbell, I.; James, L.B.; Oakeshott, G.B.; Richter, R.C.; Koenig, J.B. Sacramento; Calif. Dept. Water Res. (1966). 8p.
Research proposals. CALIFORNIA;GEOTHERMAL ENERGY;RESEARCH PROGRAMS;GEOTHERMAL RESOURCES; WATER;TRANSPORT;LEGAL ASPECTS

347 GEOTHERMAL POWER POTENTIAL IN UTAH. Heylmun, E.B. Utah Geol. Mineral. Surv., Spec. Studies; No. 14, 28p.(1966).
UTAH;GEOTHERMAL RESOURCES;HOT SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE GRADIENTS;STEAM;GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY;EXPLOITATION;POWER POTENTIAL

348 GEOTHERMAL ENERGY POTENTIAL IN OREGON. Groh, E.A. Ore Bin; 28: No. 7, 125-35(1966).
Regions of lare Cenozoic volcanic activity. OREGON;GEOTHERMAL RESOURCES;VOLCANOES;GEOLOGY; VOLCANIC REGIONS;GEOTHERMAL FIELDS;GEOLOGY

349 GEOTHERMAL RESOURCES DEVELOPMENT. pp 101-2 of 52st Report of California Division of Oil and Gas, State oil, gas Supervisor, Summary of Operations. Sacramento; Calif. Div. Oil, Gas (1966).
During 1965. CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES

350 GEOTHERMAL ENERGY (IN MINERAL RESOURCES OF CALIFORNIA). White, D.E.; McNitt, J.R. Can. Div. Mines, Geol. Bull.; 191: 174-9(1966).
GEOTHERMAL ENERGY;CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS

351 MINES AND MINERAL RESOURCES OF MONTEREY COUNTY, CALIFORNIA. Hart, E.W. County Report 5. California Div. Mines, Geol. (1966). 142p.
CALIFORNIA;MINERAL RESOURCES;HOT SPRINGS; GEOTHERMAL RESOURCES

352 GEOTHERMAL POWER IN CALIFORNIA. Sacramento, CA; Resources Agency of California (1966). 8p.
CALIFORNIA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;POWER GENERATION;ELECTRIC POWER;WATER; TRANSPORT;POWER POTENTIAL;USES

353 GEOTHERMAL RESOURCES IN CALIFORNIA. Koenig, J.B. Calif. Div. Mines, Geol., Mineral Info. Serv.; 19: No. 6, 94-5(1966).
CALIFORNIA;GEOTHERMAL RESOURCES;MINERAL RESOURCES;GEYSERS GEOTHERMAL FIELD;SALTON SEA; GEOTHERMAL EXPLORATION;EXPLOITATION; ENVIRONMENTAL EFFECTS;CORROSIVE EFFECTS;SCALING; LEGAL ASPECTS;COST;ECONOMICS;HEARINGS; GEOTHERMAL EXPLORATION;GOVERNMENT POLICIES; GEOTHERMAL ENERGY

354 RESOURCES OF THERMAL WATERS AND STEAM IN THE WESTERN STATES. Kiersch, G.A. pp 141-54 of Natural gas, coal. Ground water. Exploring new techniques in resources research. Univ. Co. Press, Western Res. Conf. (1966).
Classification and historical evelopment. THERMAL WATERS;NATURAL STEAM;GEOTHERMAL RESOURCES;USA;ECONOMICS;POWER GENERATION; GEOTHERMAL ENERGY;REVIEWS

355 METHOD FOR PRODUCING A SOURCE OF ENERGY FROM AN OVERPRESSURED FORMATION. Hottman, C.E. (to Shell Oil Co.). US Patent 3,258,069. 28 Jun 1966. Filed date 7 Feb 1963. 8p.
Patents. ENERGY SOURCES;GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES;TEXAS;SHALES;BOREHOLES; DESALINATION;WATER;GEOPRESSURED SYSTEMS;USA; GULF OF MEXICO;ELECTRICITY;BOREHOLES; DISTRIBUTION;TEMPERATURE MEASUREMENT

356 GEOTHERMAL ENERGY POTENTIAL IN OREGON. Groh, E.A. Ore Bin; 28: 125-35(Jul 1966).
OREGON;GEOTHERMAL RESOURCES;POWER POTENTIAL

357 NEW CALIFORNIA GEOTHERMAL POWER REPORT. Calif. Div. Mines, Geol., Mineral Info. Serv.; 20: No. 4, 43-4(1967).
Economics of geothermal research. CALIFORNIA; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; RESEARCH PROGRAMS;ECONOMICS

358 TAPPING THE DEVIL'S CAULDRON. Union Seventy Six; 11: No. 7, 2-7(1967).
History of steam development at Geysers, progress made by developing companies. GEYSERS GEOTHERMAL FIELD;NATURAL STEAM;GEOTHERMAL ENERGY

359 GEOTHERMAL RESOURCES - FOUNDATION FOR A POTENTIALLY SIGNIFICANT NEW INDUSTRY IN CALIFORNIA. Sacramento; State of California Senate Permanent Fact-Finding Committee on Nat. Res., Pursuant to Senate Resolution No. 301, Reg. Session (1967). 66p.
CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY

360 UNITED STATES AND WORLD RESOURCES OF ENERGY. McKelvey, V.E.; Duncan, D.C. Proc. 3rd Symp. Develop. Petrol. Res. Asia, Far East; 2: No. 26, 9-16(1967).
PETROLEUM;NATURAL GAS;OIL SHALES;NUCLEAR FUELS;GEOTHERMAL RESOURCES;ENERGY RESERVES;USA

361 NEW CALIFORNIA GEOTHERMAL POWER REPORT. Gay, T.E. Calif. Div. Mines Geol., Miner. Inform. Serv.; 20: No. 4, 43-44(1967).
CALIFORNIA;GEOTHERMAL RESOURCES;POWER POTENTIAL;ELECTRIC POWER;POWER GENERATION; ECONOMICS;GEOTHERMAL ENERGY

362 SCIENTISTS IN HOT WATER. Summers, W.K. New Mexico Mag.; 46: No. 5, 17-19(1968).
NEW MEXICO;THERMAL WATERS;SEDIMENTS; TEMPERATURE MEASUREMENT;HOT SPRINGS;GEOTHERMAL WELLS

363 MINERAL POTENTIAL OF THE SUBMERGED PARTS OF THE US. McKelvey, V.E. Ocean Indust.; 3: No. 9, 37-43(1968).
USA;GEOTHERMAL RESOURCES;MINERAL RESOURCES; COASTAL WATERS

364 GEOTHERMAL DEVELOPMENTS IN THE GEYSERS AREA, CALIFORNIA. Otte, C.; Dondanville, R.L. Am. Assoc. Pet. Geol. Bull.; 52: 565(Mar 1968).
CALIFORNIA;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS

365 NEVADA'S GEOTHERMAL RESOURCES. Schilling, J.H. NV Business Rev.; 3-5(Aug 1968).
NEVADA;GEOTHERMAL RESOURCES;NATURAL STEAM; POWER GENERATION;LEGAL ASPECTS

366 OUR HOTTEST TREASURE HUNT YIELDS CHEAP POWER FROM UNDERGROUND STEAM. Holden, W.M. Pop. Sci.; 193: 82-5(Nov 1968).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER POTENTIAL;NATURAL STEAM

367 MASS AND HEAT DISCHARGED FROM OWAKUDANI AND SOUNZAN GEOTHERMAL AREAS, HAKONE VOLCANO. Yuhara, K.; Okubo, T.; Takeuchi, S. Japan Geol. Survey Bull.; 20: No. 2, 83-100(1969). (In Japanese).
GEOTHERMAL FIELDS;JAPAN;HOT SPRINGS;MASS TRANSFER;HEAT TRANSFER;HOT SPRINGS;FUMAROLES; NATURAL STEAM;SOILS

368 GEOTHERMAL POWER RESOURCES IN THE SOUTHWEST. Birdseye, H.S. pp 86-96 of Exploration for mineral resources. New Mexico Bur. Mines and Mineral Resources Circ. (1969).
From Idea Conference, 4th Ann. 1968;
GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; VOLCANOES;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;GEOLOGIC FAULTS;UTAH;NEW MEXICO;IGNEOUS ROCKS;HOT SPRINGS;USA;GEOTHERMAL RESOURCES

369 GEOTHERMAL RESOURCES. Haigler, L.B. (Arizona Bur. Mines). pp 575-580 of Mineral and water resources of Arizona. Arizona; Arizona Bur. Mines (1969).
From Senate Comm. Interior and Insular Affairs Comm. Print; U.S. Cong., 90th, 2d sess. (1969).
GEOTHERMAL RESOURCES;HOT SPRINGS;ARIZONA

370 THERMAL AND MINERAL WATERS OF THE UNITED

STATES--BRIEF REVIEW OF POSSIBLE ORIGINS. White, D.E. (Prague). pp 269-286 of Mineral and thermal waters of the world-Pt. B. Prague; Prague Academia (1969).
From Internat. Geol. Cong., 23d, Proc., Symposium 2; Prague (1968).
USA;THERMAL WATERS;HOT SPRINGS;ORIGIN; MINERALS

371 HARNESSING HEAT FROM INSIDE THE EARTH TO PRODUCE ELECTRICITY. Mount, R.L. Sci. Forum; 2: No. 2, 20-22(1969).
GEOTHERMAL RESOURCES;USA;POWER POTENTIAL; GEOTHERMAL ENERGY;ITALY;NEW ZEALAND;ELECTRIC POWER

372 GEOTHERMAL RESOURCES (IN CALIFORNIA MINING REVIEW). Koenig, J.B. Calif. Div. Mines, Geol., Mineral Info. Serv.; 22: No. 2, 24(1969).
During 1968. CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES

373 GEOTHERMICS IN NORTH AMERICA - PRESENT AND FUTURE. Birdseye, H.S. Am. Assoc. Pet. Geol. Bull.; 53: No. 1, 212(1969).
USA;GEOTHERMAL RESOURCES;REVIEWS

374 GEOTHERMAL STEAM POTENTIAL OF THE MOUNT LASSEN AREA. Koenig, J.B. pp 43-51 of Geologic guide to the Lassen Peak, Burney Falls, and Lake Shasta area, California. Sacramento; Geol. Soc. Sacramento (1969).
CALIFORNIA;GEOTHERMAL FIELDS;NATURAL STEAM; GEOTHERMAL ENERGY;POWER POTENTIAL

375 GEOTHERMICS: WHAT'S NEXT FOR NEW MEXICO. Summers, W.K. pp 215 of Guidebook of the border region, Chihuahua and the United States. Sante Fe; N. Mex. Geol. Soc. (1969).
NEW MEXICO;GEOTHERMAL RESOURCES

376 GEOTHERMAL STEAM LOOKS BETTER: IMPERIAL VALLEY. Sci. News (Wash., D.C.); 95: 113-14(1 Feb 1969).
CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL FIELDS; NATURAL STEAM

377 GEOTHERMAL ENERGY. pp 2-76 of Future of power in the West region, 1970-1980-1990. Washington, DC; US Fed. Power Comm. West Regional Advisory Committee (Jun 1969).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER DEMAND;POWER POTENTIAL;POWER GENERATION; ELECTRIC POWER

378 APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION. Whiting, R.L. (A and M Univ., TX). J. Pet.. Technol.; 21: No. 7, 893-900(Jul 1969).
GEOTHERMAL ENERGY;ELECTRIC POWER;GEOTHERMAL FLUIDS;GEOCHEMISTRY;RECOVERY;POWER POTENTIAL; NEW ZEALAND;GEOTHERMAL FIELDS;FORECASTING; GEOTHERMAL WELLS;PRODUCTION;PERFORMANCE; NUMERICAL SOLUTION;RESERVES;MANAGEMENT;MATERIAL BALANCE

379 ATTEMPTED EVALUATION OF GEOTHERMAL ENERGY IN JAPAN. Noguchi, T. (Dept. of Mining, Faculty of Engineering, Kyushu Univ., Fukuoka, Japan). Geothermics; No. 2, 474-7(1970).
Steam energy in magma chambers. GEOTHERMAL ENERGY;JAPAN;MAGMA;STEAM;FORECASTING;ROCKS; ECONOMICS;AVAILABILITY;GEOTHERMAL RESOURCES

380 GEOTHERMAL ENERGY OF RESERVOIRS AND HEAT SOURCES IN JAPAN ESTIMATED FROM HEAT FLOW MEASUREMENTS AND OTHERS. Hayakawa, M. (Coll. of Marine Sciences and Technology, Tokai Univ., Japan). Geothermics; No. 2, 459-65(1970).
GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;HEAT FLOW;HOT-WATER SYSTEMS;NATURAL STEAM;ENERGY YIELD;POWER POTENTIAL;ELECTRIC POWER; FORECASTING;POWER GENERATION;HEAT TRANSFER;HEAT; STEAM;JAPAN;GEOTHERMAL RESOURCES;COMPARATIVE EVALUATIONS;HOT SPRINGS;EARTHQUAKES

381 GEOTHERMAL POSSIBILITIES OF ALGERIA. Cormy, G.; D'Archimbaud, J.D. (EURAFREP, Paris, France). Geothermics; No. 2, 110-6(1970).
ALGERIA;GEOTHERMAL ENERGY;GEOTHERMAL FIELDS; MAGMA;IGNEOUS ROCKS;GEOLOGY;GEOCHEMICAL SURVEYS; HYDROLOGY;GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES

382 GEOTHERMAL EXPLORATION IN THE WESTERN UNITED STATES. Koenig, J.B. (California Div. of Mines and Geol., Ferry Building, San Francisco, CA). Geothermics; No. 2, 1-13(1970).
1200 thermal localities, 100 hyperthermal. USA;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;DRILLING;GEOLOGY;CALIFORNIA; NEVADA;WYOMING;BRINES;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;GEOTHERMAL RESOURCES;SPACE HEATING;ELECTRIC POWER;HOT SPRINGS;FUMAROLES

383 APPLICATION OF ELECTRICAL RESISTIVITY AND GRAVIMETRY IN DEEP GEOTHERMAL EXPLORATION. Meidav, T. (Inst. of Geophysics and Planetary Physics, Univ. of CA, Riverside, CA). Geothermics; No. 2, 303-10(1970).
Imperial Valley. ELECTRIC CONDUCTIVITY; GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;GRAVIMETRY;TEMPERATURE GRADIENTS;IMPERIAL VALLEY;CALIFORNIA;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

384 DELINEATION OF GEOTHERMAL DEPOSITS BY MEANS OF LONG-SPACING RESISTIVITY AND AIRBORNE MAGNETICS. McEuen, R.B. (Dept. of Geology, San Diego State Coll., San Diego, CA). Geothermics; No. 2, 295-302(1970).
Closed-loop cross-power analysis, Imperial Valley. IMPERIAL VALLEY;CALIFORNIA;HOT SPRINGS; ELECTRICAL SURVEYS;MAGNETIC SURVEYS;ELECTRIC CONDUCTIVITY;TEMPERATURE GRADIENTS;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

385 GEOTHERMAL PROSPECTS IN NEW MEXICO. Summers, W.K. (New Mexico Bur. Mines and Min. Resources, New Mexico Inst. Mining and Tech., Socorro, NM). Geothermics; Special Issue 2: 1009-14(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;NEW MEXICO;GROUND WATER; THERMAL WATERS;GEOTHERMAL EXPLORATION; GEOTHERMAL WELLS;IGNEOUS ROCKS;SEDIMENTARY ROCKS

386 GEOTHERMAL POTENTIAL OF IDAHO. Ross, S.H. (Bur. Mines and Geology, Moscow, Idaho, USA). Geothermics; Special Issue 2: 975-1008(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
Snake River Plain. THERMAL WATERS;GEOTHERMAL

RESOURCES;IDAHO;EXPLORATION;GEOTHERMAL EXPLORATION;HOT SPRINGS;VOLCANIC ROCKS;GROUND WATER;SODIUM;GRANITES;SPACE HEATING;GREENHOUSES

387 GEOTHERMAL EXPLORATION IN THE WESTERN UNITED STATES. Kofnig, J.B. Paper. San Francisco; California Div. Mines and Geology (1970). 23p.
From UN Symposium; Pisa (1970).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;HOT SPRINGS;THERMAL WATERS;BRINES;GEYSERS GEOTHERMAL FIELD;NATURAL STEAM;GEOTHERMAL EXPLORATION

388 COMPENDIUM OF PAPERS PRESENTED AT THE IMPERIAL VALLEY--SALTON SEA AREA GEOTHERMAL HEARING, OCT 22 AND 23. Sacramento; California Geothermal Research Board, State of California Joint Legislative Committee on Atomic Development (1970).
IMPERIAL VALLEY;SALTON SEA;CALIFORNIA; HEARINGS;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES

389 INVESTIGATION OF GEOTHERMAL RESOURCES IN THE IMPERIAL VALLEY AND THEIR POTENTIAL VALUE FOR DESALINATION OF WATER AND ELECTRICITY PRODUCTION. Rex, R.W. Univ. California, Riverside; Inst. Geophys., Planetary Phys. (1970). 14p.
IMPERIAL VALLEY;GEOTHERMAL RESOURCES; DESALINATION;POWER GENERATION;BRINES;ECONOMICS; USES;SALTON SEA;GEOTHERMAL ENERGY;ELECTRIC POWER

390 CALIFORNIA MINING REVIEW. Davis, F.F. Calif. Div. Mines Geol., Miner. Inform. Serv.; 23: No. 4, 67-79(1970).
CALIFORNIA;GEOTHERMAL RESOURCES;MINERALS; GEOLOGY;PETROLEUM;REVIEWS

391 GEOTHERMAL ENERGY. pp 68-9 of 1970 National Power Survey, Pt. 3: Advisory reports. Washington, DC; US Fed. Power Comm. (1970).
USA;POWER DEMAND;ELECTRIC POWER;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL

392 CHALLENGE OF THE GEYSERS. Facca, G. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;EXPLORATION; GEOTHERMAL RESOURCES

393 THERMAL SPRINGS OF THE WESTERN UNITED STATES. Kaysing, W.C. (comp. and ed.). Santa Barbara, CA; United States of America (USA); Paradise Publishers (1970). 36p.
HOT SPRINGS;USA;DATA COMPILATION;TEMPERATURE MEASUREMENT;FLOW RATE;WATER QUALITY;WATER CHEMISTRY;DOCUMENTATION

394 ENERGY: MORE GEOTHERMAL POWER (IMPERIAL VALLEY PROJECT). Chem. Eng. News; 48: 12-13(17 Aug 1970).
CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL RESOURCES;EXPLOITATION;ELECTRIC POWER;POWER GENERATION;POWER POTENTIAL;GEOTHERMAL ENERGY; GEOTHERMAL FIELDS

395 GEOTHERMAL RESOURCES. Imperial Valley Development Agency Economic and Business News; (Sep 1970).
CALIFORNIA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY

396 POWER AND THE ENVIRONMENT - POTENTIAL CRISIS IN ENERGY SUPPLY. Risser, H.E. Environmental geology notes No. 40. Urbana; United States of America (USA); Illinois Geol. Surv. (Dec 1970). 47p.
ENVIRONMENT;ELECTRIC POWER;POWER GENERATION; POWER DEMAND;ECONOMICS

397 GEOTHERMAL ENERGY; SUMMARY OF CURRENT STATUS AND FUTURE US POTENTIAL. Feiss, J.W. Washington, DC; United States of America (USA); US Dept. Interior, Office of Assistant Secretary - Mineral Resources. Staff Geologist (3 Dec 1970). 14p.
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER POTENTIAL

398 GEOTHERMAL POTENTIAL OF IDAHO. Ross, S.H. (Univ. Idaho, Moscow, ID). Idaho, Bur. Mines Geol., Pam.; No. 150, 1-72(1971).
Review with 70 references. IDAHO;GEOTHERMAL RESOURCES;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;CARBONATES

399 GEOTHERMAL SCIENCE AND TECHNOLOGY; NATIONAL PROGRAM. Austin, C.F.; Austin, W.H., Jr., Leonard, G.W. China Lake, CA; United States of America (USA); US Nav. Weapons Cent. (1971). 95p.
USA;GEOTHERMAL EXPLORATION;ENERGY SOURCES; THERMAL WATERS;GEOTHERMAL RESOURCES; MATHEMATICAL MODELS;RESEARCH PROGRAMS; GEOTHERMAL ENERGY

400 PROSPECTS FOR GEOTHERMAL ENERGY IN WASHINGTON. Thorsen, G.W. pp vp of Northwest Conference on Geothermal Power, Papers (No. 1). Seattle, WA; Northwest Conf. Geothermal Power (1971).
WASHINGTON;GEOTHERMAL EXPLORATION;HOT SPRINGS;VOLCANOES;GEOTHERMAL RESOURCES;USA

401 FIRST NORTHWEST CONFERENCE ON GEOTHERMAL POWER. Cole, B.L. Seattle, WA; United States of America (USA); Northwest Conf. Geothermal Power (1971). vpp.
USA;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY; EXPLOITATION;MEETINGS

402 OIL, GAS AND GEOTHERMAL PRODUCTION STATISTICS, 1971. (California, Div. of Oil and Gas). Calif. Div. Oil Gas, Summ. Oper., Calif. Oil Fields; 57: No. 2, 155p.(1971).
CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;PETROLEUM;NATURAL GAS;RESERVES; GEOTHERMAL ENERGY

403 SPECULATIONS ON THE GEOTHERMAL SYSTEM AT THE GEYSERS, CALIFORNIA. Koenig, J.B. pp 29-37 of Geologic guide to the northern coast ranges, Point Reyes Region, California. Sacramento, CA; Geol. Soc. Sacramento (1971).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL SYSTEMS; THERMAL WATERS;GEOLOGY;TEMPERATURE MEASUREMENT; FLOW RATE;POWER POTENTIAL

404 EMERGING GEOTHERMAL POWER SOURCE. Laird, A.D.K. EOS, Trans., Am. Geophys. Union; 52: No. 11, 814(1971).
USA;GEOTHERMAL ENERGY;POWER POTENTIAL

405 HEAT FROM THE EARTH'S SURFACE; EARLY

DEVELOPMENT OF WESTERN GEOTHERMAL RESOURCES. Wells, M.W. J. West; 10: No. 1, 53-71(1971).
IDAHO;GEOTHERMAL ENERGY;EXPLOITATION

406 HISTORY OF GEOTHERMAL EXPLORATION IN THE SALTON TROUGH. Koenig, J.B. Geol. Soc. Am., Bull.; 3: No. 2, 143-4(1971).
CALIFORNIA;GEOTHERMAL EXPLORATION;SALTON SEA; GEOTHERMAL FIELDS

407 GEOTHERMAL ENERGY LOOMS AS ECONOMIC FACTOR. Oil Digest; (Jan 1971).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; ECONOMICS

408 GEOTHERMAL ACTIVITY HEATING UP IN THE WEST. Electr. World; 175: 25-6(15 Jan 1971).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; EXPLOITATION

409 GEOTHERMAL RESOURCES; SERIES OF ARTICLES. Western Water News (Irrigation Districts Assoc. of Calif.); 23: vp(Apr-Jun 1971).
CALIFORNIA;GEOTHERMAL RESOURCES

410 WASHINGTON STATE MAY HOLD GEOTHERMAL POWER PROMISE. Cole, B.L. Northwest Public Power Bull.; 25: 8(May 1971).
WASHINGTON;GEOTHERMAL RESOURCES

411 PROMISING GEOTHERMAL LANDS LISTED. Calif. Geol.; 24: 114(Jun 1971).
KGRA's. CALIFORNIA;GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES

412 PRESIDENT'S MESSAGE ON SUPPLY OF ENERGY AND CLEAN AIR, ALSO FACT SHEET FROM OFFICE OF THE WHITE HOUSE PRESS SECRETARY. Nixon, R.M. Presidential message to Congress. Washington, DC; United States of America (USA); Executive Office of the President (4 Jun 1971). 12p.
USA;ENERGY POLICY;ENVIRONMENT;ENERGY SUPPLIES;EARTH ATMOSPHERE;AIR POLLUTION;SULFUR OXIDES;COAL;RESEARCH PROGRAMS;THERMONUCLEAR REACTORS;NUCLEAR POWER PLANTS;MHD GENERATORS; POWER TRANSMISSION LINES;FOSSIL FUELS; GEOTHERMAL ENERGY;NUCLEAR FUELS;ENERGY CONSERVATION;ELECTRIC POWER;POWER PLANTS;SITE SELECTION;RESEARCH PROGRAMS;LAND LEASING

413 RANKING RESEARCH PROBLEMS IN GEOTHERMAL DEVELOPMENT. Laird, A.D.K. (Calif. Univ., Berkeley). Office of Saline Water Research and Development Progress Report No. 711. Washington, DC; US Government Printing Office (Aug 1971). 33p. GPO $0.45.
IMPERIAL VALLEY;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;RESEARCH PROGRAMS;BRINES; PROCESSING;ECONOMICS;MARKET;PLANNING;ELECTRIC POWER; POWER GENERATION; ENVIRONMENTAL EFFECTS; POLLUTION;GEOTHERMAL POWER PLANTS

414 ENERGY: A CRISIS IN POWER. SAN FRANCISCO, SIERRA CLUB, 1971. (EXCERPT: DEFUSING OLD SMOKY BY PLUGGING INTO NATURE). Holdren, J.; Herrera, P. Sierra Club Bulletin; 56: 24-7(Sep 1971).
USA;ELECTRIC POWER;POWER DEMAND;ENERGY SOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL

415 GEOTHERMAL ENERGY, GEOLOGY, EXPLORATION, AND DEVELOPMENTS- 1, 2. Grose, L.T. Colo. Sch. Min., Miner. Ind. Bull.; 14: No. 6, 14p.(Nov 1971).
GEOTHERMAL ENERGY;GEOLOGY;GEOTHERMAL EXPLORATION;USA;GEOTHERMAL RESOURCES; BIBLIOGRAPHIES

416 GEOTHERMAL RESOURCES IN CALIFORNIA-- POTENTIALS AND PROBLEMS. Goldsmith, M. EQL Report No. 5. Pasadena, CA; Calif. Inst. Tech., Environmental Quality Lab. (Dec 1971). 45p.
GEOTHERMAL RESOURCES;CALIFORNIA;ECONOMICS; POWER POTENTIAL;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;THERMAL WATERS;DRY-STEAM SYSTEMS;ENVIRONMENTAL EFFECTS;GROUND SUBSIDENCE;BLOWOUTS;SEISMIC WAVES;AIR POLLUTION; GASEOUS WASTES

417 GEOTHERMAL POWER: THE MAGMAMAX POTENTIAL. Gravel, M. Congressional Record, 11 Dec 1971, S21472-76. Washington, DC; United States of America (USA); US Congress. Senate (11 Dec 1971).
USA;GEOTHERMAL RESOURCES;POWER POTENTIAL; MAGMA SYSTEMS

418 CALIFORNIA'S BRIGHT GEOTHERMAL FUTURE; GREAT STATE PLANNING OPPORTUNITY. Scott, S.; Wood, S.E. Cry Calif.; 7: 10-23(Win 1971).
CALIFORNIA;GEOTHERMAL RESOURCES;POWER POTENTIAL;PLANNING;EXPLOITATION

419 GEOTHERMAL OVERVIEWS OF THE WESTERN UNITED STATES, 1972. PROCEEDINGS OF GEOTHERMAL RESOURCES COUNCIL EL CENTRO CONFERENCE. Davis, CA; Geothermal Resources Council (1972). $6.00.
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
USA;GEOTHERMAL RESOURCES;THERMAL WATERS; POWER POTENTIAL;GEOLOGY;HYDROLOGY;GROUND WATER; GEOLOGIC FAULTS;HOT SPRINGS;GEOTHERMAL EXPLORATION;REVIEWS

420 OVERVIEW OF GEOTHERMAL RESOURCES POTENTIAL IN ARIZONA. Harshbarger, J.W. (Arizona Univ., Tucson). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper A. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
ARIZONA;GEOTHERMAL RESOURCES;THERMAL WATERS; GEOTHERMAL ENERGY

421 GEOTHERMAL RESOURCES IN CALIFORNIA. Anderson, D.N.; Axtell, L.H. (California State Div. of Oil and Gas, Sacramento). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper B. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
32,000 mw power capacity (1970). CALIFORNIA; GEOTHERMAL RESOURCES;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;PLANNING;GEOTHERMAL ENERGY;ELECTRIC POWER;POWER GENERATION;HOT SPRINGS;GEYSERS;THERMAL WATERS;LEGISLATION; POWER POTENTIAL

422 GEOTHERMAL EXPLORATION IN REGION 3 (IMPERIAL VALLEY POJECT). (Bureau of Reclamation, Boulder City, NV). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper C. Davis, CA;

Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
IMPERIAL VALLEY;GEOTHERMAL RESOURCES;THERMAL WATERS;GEOTHERMAL ENERGY;GEOPHYSICAL SURVEYS; HEAT FLOW;WATER RESOURCES;DESALINATION;BRINES; INJECTION WELLS;SEAWATER;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER DEMAND;PLANNING; GROUND SUBSIDENCE;GEOTHERMAL EXPLORATION

423 HAWAII OVERVIEW. Harrenstien, H. (Hawaii Univ., Honolulu Center for Eng. Res.). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper E. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
HAWAII;GEOTHERMAL RESOURCES;GEOLOGY;THERMAL WATERS;GEOTHERMAL ENERGY;ELECTRIC POWER; GEOTHERMAL EXPLORATION;VOLCANOES;OFFSHORE SITES

424 GEOTHERMAL RESOURCES OF IDAHO. Warner, M.M. (Boise State College, ID). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper F. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
IDAHO;GEOTHERMAL RESOURCES;HOT-WATER SYSTEMS; GEOTHERMAL EXPLORATION;THERMAL WATERS;HYDROLOGY; GEOLOGY;GEOPHYSICAL SURVEYS

425 POTENTIAL GEOTHERMAL RESOURCES IN MONTANA. Balster, C.A.; Groff, S.L. (Montana Bureau of Mines and Geology). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper G. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
MONTANA;GEOTHERMAL RESOURCES;HOT SPRINGS; THERMAL WATERS;HYDROLOGY;GEOLOGY;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

426 GEOTHERMAL EXPLORATION AND DEVELOPMENT IN NEVADA. Garside, L.J.; Schilling, J.H. (Nevada Bureau of Mines and Geology, Reno). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper H. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
Water temperature greater than 350°F. NEVADA; GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; THERMAL WATERS;ELECTRIC POWER;GEOTHERMAL WELLS; HYDROLOGY;GEOLOGY;GEOPHYSICAL SURVEYS;DRILLING; LAND LEASING

427 GEOTHERMAL OVERVIEW OF OREGON. Bowen, R.G. (Oregon State Dept. of Geology and Mineral Industries, Portland). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper J. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
OREGON;GEOTHERMAL RESOURCES;HOT SPRINGS; THERMAL WATERS;BUILDINGS;SPACE HEATING; GEOTHERMAL ENERGY;HEATING;GEOTHERMAL EXPLORATION;GEOLOGY;HYDROLOGY

428 UTAH'S GEOTHERMAL RESOURCES, LOCATION, POTENTIAL, AND ADMINISTRATIVE AGENCIES. Hewitt, W.P.; Stowe, C.H.; Stromberg, R.R. (Utah Geological and Mineralogical Survey, Salt Lake City). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference. Paper K. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
Crater Springs geothermal area, Roosevelt geothermal area, 189°F thermal water. UTAH; GEOTHERMAL RESOURCES;HOT SPRINGS;THERMAL WATERS; FLOW RATE;GEOLOGY;GEOTHERMAL EXPLORATION; HYDROLOGY

429 GEOTHERMAL ENERGY IN WASHINGTON. Livingston, V.E., Jr. (Washington Dept. of Natural Resources, Olympia. Div. of Mines and Geology). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference, 16-18 February 1972, Davis, California. Paper L. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
WASHINGTON;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;ELECTRIC POWER;HOT SPRINGS;GEOTHERMAL EXPLORATION;THERMAL WATERS;GEOLOGIC DEPOSITS; ENERGY DEMAND;POWER DEMAND;GEOLOGIC FAULTS

430 GEOTHERMAL RESOURCES, PRESENT AND FUTURE DEMAND FOR POWER, AND LEGISLATION IN THE STATE OF WYOMING. Decker, E.R. (Wyoming Univ., Laramie. Dept. of Geology). Geothermal overviews of the western United States, 1972. Proceedings of Geothermal Resources Council El Centro Conference, Feb 16-18, 1972, Davis, California. Paper M. Davis, CA; Geothermal Resources Council (1972).
From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
WYOMING;GEOTHERMAL RESOURCES;THERMAL WATERS; HOT SPRINGS;CHEMICAL COMPOSITION;LEGISLATION; GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; ELECTRIC POWER;ECONOMICS;GEOLOGY;POWER DEMAND

431 POWER FROM THE EARTH: GEOTHERMAL ENERGY. Tompkins, D.C. Public policy bibliographies: 3. Berkeley; Univ. of California, Inst. of Governmental Studies (1972). 34p. Library of Congress, $2.50.
GEOTHERMAL ENERGY;BIBLIOGRAPHIES;RESEARCH PROGRAMS;USA;REGULATIONS

432 GEOTHERMAL ENERGY IN MEXICO. EXPLORATION AND UTILIZATION. Sergio Mercado, J.G. (Comision Federal Electricidad, Mexico; Southwest Res. Inst.). pp 183-9 of Third Interamerican Conference on Materials Technology, proceedings. San Antonio, TX; Southwest Res. Inst. (1972). (In Spanish)
From 3. Interamerican Conference on Materials Technology; Rio de Janeiro, Brazil (14-17 Aug 1972).
GEOTHERMAL ENERGY;MEXICO;GEOTHERMAL EXPLORATION;GEOTHERMAL POWER PLANTS;CERRO PRIETO GEOTHERMAL FIELD

433 GEOTHERMAL OVERVIEWS OF THE WESTERN UNITED STATES. Anderson, D.N.; Axtell, L.H. (Compilers). Davis, CA; United States of America (USA); Geothermal Resources Council (1972). 160p.
GEOTHERMAL RESOURCES;USA;CALIFORNIA;MEETINGS; PROCEEDINGS

434 ENERGY RESOURCES OF THE UNITED STATES. Theobald, P.K.; Schweinfurth, S.P.; Duncan, D.C. Geological Survey Circ. 650. Washington, DC; United States of America (USA); US Dept. Interior, Geol. Surv. (1972). 27p.
USA;ENERGY SOURCES;ENERGY RESERVES; FORECASTING;FOSSIL FUELS;NUCLEAR FUELS; GEOTHERMAL RESOURCES

435 DISCOVERY AND POSSIBLE UTILIZATION OF THERMAL WATERS IN THE PLIOCENE OF THE CENTRAL DEPRESSION IN THE DANUBE BASIN. Gaza, B. Mineral. Slovaca; 4: No. 14, 29-38(1972).
EUROPE;HOT SPRINGS;THERMAL WATERS;GEOTHERMAL EXPLORATION;MAPS;GEOLOGY;POWER POTENTIAL

436 GEOTHERMAL HEAT, OUR NEXT MAJOR SOURCE OF POWER. Anderson, J.H. Congressional Record, 11 Dec 1971: S2147374. Dallas, TX; United States of America (USA); AIChE (1972).
From American Institute of Chemical Engineers Meeting; Dallas (Jan 1972).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY

437 GEOTHERMAL OVERVIEWS OF THE WESTERN UNITED STATES. pp vp of Compendium of first day papers presented at the 1st Conference of the Geothermal Resources Council, El Centro, California, Feb 1972. Davis, CA; Geothermal Resources Council (1972).
From 1. Conference of the Geothermal Resources Council; El Centro, CA (Feb 1972).
USA;GEOTHERMAL RESOURCES

438 GEOTHERMAL ENERGY: NATIONAL PROPOSAL FOR GEOTHERMAL RESOURCES RESEARCH. Hickel, W.J. College; United States of America (USA); Univ. Alaska (1972). 95p.
From Geothermal Resources Research Conference; Battelle Seattle Research Center, Seattle, WA (18-20 Sep 1972).
USA;GEOTHERMAL ENERGY;RESEARCH PROGRAMS; PLANNING;RECOMMENDATIONS;GEOTHERMAL RESOURCES; EXPLOITATION;GEOTHERMAL EXPLORATION;ECONOMICS; ENVIRONMENTAL EFFECTS

439 GEOTHERMAL RESOURCES AS A SOURCE OF WATER SUPPLY. O'Brien, J.J. J. Am. Water Works Assoc.; 64: No. 11, 694-700(1972).
USA;WATER RESOURCES;GEOTHERMAL RESOURCES; BRINES;GEOTHERMAL ENERGY;ECONOMICS;USES

440 ENERGY OPTIONS; CHALLENGE FOR THE FUTURE. Hammond, A.L. Science; 177: No. 4052, 875-6(1972).
USA;MINERAL RESOURCES;ENERGY SUPPLIES;ENERGY RESERVES;ECONOMICS;PLANNING;PETROCHEMICALS; GEOTHERMAL ENERGY;SOLAR ENERGY;COAL;NATURAL GAS; PETROLEUM DEPOSITS;GEOTHERMAL RESOURCES

441 OIL, GAS AND GEOTHERMAL PRODUCTION STATISTICS, 1972. (California State Oil and Gas Supervisor). Calif. Div. Oil Gas, Summ. Oper., Calif. Oil Fields; 58: No. 2, 171p.(1972).
CALIFORNIA;GEOTHERMAL ENERGY;POWER GENERATION;DATA;STATISTICS;PETROLEUM;NATURAL GAS;PRODUCTION;ECONOMICS

442 GEOTHERMAL DEVELOPMENT IN CALIFORNIA; PAST, PRESENT, AND FUTURE. Anderson, D.N. Calif. Div. Oil Gas, Summ. Oper., Calif. Oil Fields; 58: No. 2, 15-23(1972).
CALIFORNIA;GEOTHERMAL ENERGY;POWER GENERATION;POWER POTENTIAL;PLANNING;ECONOMICS

443 RESUME OF OIL, GAS, AND GEOTHERMAL FIELD OPERATIONS IN 1971. (California Div. of Oil and Gas). Calif. Geol.; 25: No. 12, 271-80(1972).
CALIFORNIA;GEOTHERMAL FIELDS;ECONOMICS; OPERATION;PETROLEUM;NATURAL GAS

444 GEOTHERMAL RESEARCH IN THE US GEOLOGICAL SURVEY. Muffler, L.J.P. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 35(1972).
USA;GEOTHERMAL EXPLORATION;ECONOMICS; GEOTHERMAL RESOURCES

445 GEOTHERMAL POWER IN THE SOUTHWEST. Birdseye, H.S. Am. Assoc. Pet. Geol. Bull.; 56: No. 9, 1896(1972).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER POTENTIAL

446 GEOTHERMAL EXPLORATION IN REGION 3. In geothermal overviews of the western United States. Davis, CA; United States of America (USA); Geothermal Resour. Counc. (1972). 9p.
CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;GROUND WATER

447 GEOTHERMAL PROSPECTS IN NEW MEXICO. Summers, W.K. In geothermal overviews of the western United States. Davis, CA; United States of America (USA); Geothermal Resour. Counc. (1972). 15p.
NEW MEXICO;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

448 HAWAII OVERVIEW: PARTIAL PRESENTATION ON THE GEOTHERMAL RESOURCE EXPLORATION AND DEVELOPMENT POTENTIAL OF THE STATE OF HAWAII. Harrenstien, H. In geothermal overviews of the western United States. Davis, CA; United States of America (USA); Geothermal Resour. Counc. (1972). 10p.
HAWAII;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

449 GEOTHERMAL RESOURCES OF COLORADO; SUMMARY. Pearl, R.H. In geothermal overviews of the western United States. Davis, CA; United States of America (USA); Geothermal Resour. Counc. (1972). 6p.
COLORADO;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

450 DEVELOPMENTS IN WEST COAST AREA IN 1971. Higgins, J.W. Am. Assoc. Pet. Geol. Bull.; 56: No. 7, 1205-15(1972).
CALIFORNIA;OREGON;WASHINGTON;GEOTHERMAL EXPLORATION;PETROLEUM;NATURAL GAS;RESERVES; DRILLING;EXPLORATION

451 SALTON-MEXICALI GEOTHERMAL PROVINCE. Koenig, J.B. pp 240-9 of Man and his physical environment; readings in environmental geology. Minneapolis, MN; Burgess Publ. Co. (1972).
CALIFORNIA;MEXICO;GEOTHERMAL RESOURCES; SALTON SEA;RESERVES

452 BRIEFS ON GEOTHERMAL ENERGY. (US Geol. Surv.). pp 232-4 of Man and his physical environment; readings in environmental geology. Minneapolis, MN; Burgess Publ. Co. (1972).
USA;GEOTHERMAL RESOURCES;ENVIRONMENT; RESERVES;GEOLOGY

453 US GEOLOGICAL SURVEY RESEARCH IN GEOTHERMAL RESOURCES. Muffler, L.J.P. pp 11-18 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
USA;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS; US ORGANIZATIONS;RESEARCH PROGRAMS;GEOTHERMAL ENERGY

454 COMPENDIUM OF FIRST DAY PAPERS PRESENTED AT THE FIRST CONFERENCE OF THE GEOTHERMAL RESOURCES COUNCIL, EL CENTRO, CALIFORNIA, FEB 1972. Anderson, D.N.; Axtell, L.H. (ed.). Davis, CA; United States of America (USA); Geothermal Resour. Counc. (1972). 77p.
CALIFORNIA;GEOTHERMAL RESOURCES;EXPLOITATION; ENVIRONMENTAL EFFECTS;MEETINGS;LEGAL ASPECTS; GEOTHERMAL ENERGY

455 MONO LAKE GEOTHERMAL WELLS ABANDONED. Axtell, L.H. Calif. Geol.; 25: No. 3, 66-7(1972).
CALIFORNIA;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;WELL LOGGING;BOREHOLES; GEOTHERMAL FIELDS

456 FORECASTS FOR THE FUTURE: MINERALS. BULLETIN 82. Baker, A. III; Archbold, N.L.; Stoll, W.J. Reno, NV; United States of America (USA); University of Nevada (1972). 241p. $4.00.
NEVADA;MINERAL RESOURCES;LEADING ABSTRACT

457 FORECASTS FOR THE FUTURE: MINING. pp 162-167 of Forecasts for the future: minerals. Bulletin 82. Baker, A. III; Archbold, N.L.; Stoll, W.J. Reno, NV; University of Nevada (1972).
NEVADA;GEOTHERMAL RESOURCES;HOT SPRINGS; POWER POTENTIAL;MAPS;REVIEWS

458 GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CA, DEVELOPMENTAL CONCEPTS. Washington, DC; Bureau of Reclamation (Jan 1972). 58p.
Water quality improvement by transport of desalted water from Imperial Valley. CALIFORNIA; GEOTHERMAL RESOURCES;IMPERIAL VALLEY;COLORADO RIVER;SALINITY;THERMAL WATERS;BRINES; DESALINATION;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;PRODUCTION;FRESH WATER;ECONOMICS; GEOTHERMAL FIELDS;WATER RESOURCES;PLANNING; SALTON SEA;INJECTION WELLS;POWER GENERATION

459 LASSEN NATIONAL PARK; INDUSTRIAL PARK OUT OF A NATIONAL PARK. Watson, S. Bonanza (Sierra Club, Mother Lode Chapter); 8(Feb 1972).
CALIFORNIA;GEOTHERMAL RESOURCES;EXPLOITATION; INDUSTRY;ENVIRONMENTAL EFFECTS;GEOTHERMAL POWER PLANTS

460 ENERGY RESOURCES AND ELECTRIC POWER SITUATION IN THE UNITED STATES. Altman, M.; Telkes, M.; Wolf, M. (Univ. Pennsylvania, Philadelphia). Energy Convers.; 12: No. 2, 53-64(Jun 1972).
USA;ENERGY RESERVES;GEOTHERMAL ENERGY; EXPLOITATION;ELECTRIC POWER;POWER GENERATION; ENERGY SOURCES;POLLUTION;SOLAR ENERGY;ENERGY CONSUMPTION;SOLAR SPACE HEATING;SOLAR AIR CONDITIONING

461 GEOTHERMAL RESOURCES OF THE UNITED STATES. Rex, R.W. (Univ. California, Riverside). Trans. Am. Nucl. Soc.; 15: No. 1, 14(Jun 1972).
USA;GEOTHERMAL RESOURCES;DRY-STEAM SYSTEMS; HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;VOLCANIC REGIONS;GEOTHERMAL ENERGY;GEOLOGIC DEPOSITS; IMPERIAL VALLEY;JEMEZ MOUNTAINS

462 GEOTHERMAL RESOURCES OF THE UNITED STATES. Rex, R.W. (Univ. of California, Riverside). Trans. Am. Nucl. Soc.; 15: No. 1, 14(Jun 1972). (CONF-720607--).
From 10. annual American Nuclear Society conference; Las Vegas, Nevada, USA (18 Jun 1972).
USA;GEOTHERMAL RESOURCES;DISTRIBUTION; GEOLOGY;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;VOLCANIC REGIONS;GEOTHERMAL ENERGY;IMPERIAL VALLEY;GEYSERS GEOTHERMAL FIELD; YELLOWSTONE NATIONAL PARK;HAWAII;ECONOMICS; GEOTHERMAL SYSTEMS;NATURAL RADIOACTIVITY

463 ENERGY CRISIS: ARE WE RUNNING OUT. Time Magazine; 49-50(12 Jun 1972).
Includes LASL hot-dry-rock project. USA; GEOTHERMAL RESOURCES;HOT-DRY-ROCK SYSTEMS; GEOTHERMAL ENERGY;ENERGY SHORTAGES

464 WILL INDUSTRY FLICKER AS ENERGY FADES. Lawrence, F.G. Ind. Week; (14 Aug 1972).
ENERGY SOURCES;INDUSTRY;POWER DEMAND

465 POWER GENERATION OPTIONS FOR THE EIGHTIES AND NINETIES. Kent, M.F. (General Electric Co., Power Generation Group). Public Util. Fortn.; 90: No. 4, 17-23(17 Aug 1972).
ELECTRIC POWER;USA;POWER DEMAND;ENERGY SOURCES;POWER PLANTS;THERMONUCLEAR REACTORS; SOLAR ENERGY;GEOTHERMAL POWER PLANTS;NUCLEAR POWER PLANTS;TURBINES;FUELS;POWER GENERATION; ECONOMICS;FORECASTING;GEOTHERMAL ENERGY

466 ASSESSMENT OF GEOTHERMAL ENERGY RESOURCES. Peck, D.L. Washington, DC; United States of America (USA); US Dept. Interior, Panel on Geothermal Energy Resources (Federal Council for Science and Technology, Committee on Energy Research and Development Goals, Executive office of the President, Office of Science and Technology) (Sep 1972). 83p.
USA;GEOTHERMAL RESOURCES;ECONOMICS; ENVIRONMENTAL EFFECTS;LEGAL ASPECTS;GEOTHERMAL EXPLORATION

467 GEOTHERMAL ENERGY (PARTICULARLY IN NEW MEXICO). Trotter, R.R. Rural Electrification; 30: 17(Sep 1972).
GEOTHERMAL RESOURCES;NEW MEXICO;GEOTHERMAL ENERGY;EXPLOITATION;ELECTRIC POWER;POWER GENERATION

468 GEOTHERMAL ENERGY, AN EMERGING MAJOR RESOURCE. Hammond, A.L. Science; 177: No. 4053, 978-980(15 Sep 1972).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GEOTHERMAL POWER PLANTS;USA;ELECTRIC POWER; ECONOMICS;THERMAL WATERS;GEOLOGIC DEPOSITS; CHEMICAL EXPLOSIONS;NUCLEAR EXPLOSIONS;GEYSERS; REVIEWS;DRY-STEAM SYSTEMS;EXPLOSIVE STIMULATION; HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;POWER POTENTIAL;POWER GENERATION

469 GEOTHERMAL ENERGY: AN EMERGING MAJOR RESOURCE. Science; 177: 978-80(15 Sep 1972).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; REVIEWS;GEOTHERMAL POWER PLANTS;RESEARCH

PROGRAMS;HOT-DRY-ROCK SYSTEMS;BINARY CYCLES;USA

470 SEARCH FOR TOMORROW'S POWER. Weaver, K.F. (National Geographic). National Geographic; 142: No. 5, 650-81(Nov 1972).
USA;ENERGY SUPPLIES;POWER GENERATION; TURBOGENERATORS;ENERGY CONVERSION;POLLUTION; FOSSIL FUELS;MINING;NUCLEAR FUELS;NUCLEAR POWER PLANTS;THERMONUCLEAR REACTORS;FUEL CELLS;TIDAL POWER;WIND POWER;GEOTHERMAL ENERGY;SOLAR ENERGY; ENERGY SOURCES

471 GEOTHERMAL WATER AND POWER RESOURCE EXPLORATION AND DEVELOPMENT FOR IDAHO. Nichols, C.R.; Brockway, C.E.; Warnick, C.C. Water Resources Research Inst., Research Technical Report. Boise, ID; Boise State College, Dept. Geology (Dec 1972). 48p.
IDAHO;GEOTHERMAL RESOURCES;THERMAL WATERS; USES;GEOCHEMICAL SURVEYS;BRINES;HOUSES; GREENHOUSES;SPACE HEATING;GEOTHERMAL EXPLORATION;HEATING;GEOTHERMAL POWER PLANTS; GEOTHERMAL FIELDS

472 ELECTRIC GENERATION STATUS REPORT. (Aware, Community Performance Publications, Inc.). Aware; No. 27, 3-9(Dec 1972).
ELECTRIC POWER;POWER GENERATION;ENERGY SOURCES;FOSSIL-FUEL POWER PLANTS;NUCLEAR POWER PLANTS;HYDROELECTRIC POWER;GEOTHERMAL ENERGY; SOLAR ENERGY

473 ENERGY AVAILABLE - EXPANDING SUPPLIES. Perry, H. (US AEC). pp 40-5 of Proceedings of Outlook for Energy Conference held in Minneapolis, MN, Dec 1972. Minneapolis, MN; Upper Midwest Council, Federal Reserve Bank Bldg. (Dec 1972).
From Outlook for Energy Conference; Minneapolis, MN (Dec 1972).
ENERGY SUPPLIES;USA;FORECASTING;AIR POLLUTION;ENERGY POLICY;FOSSIL FUELS;COAL GASIFICATION;THERMONUCLEAR REACTIONS;GEOTHERMAL ENERGY;SOLAR ENERGY;RESEARCH PROGRAMS

474 ANNUAL REVIEW OF FUELS FOR 1972. RESEARCH ON GASIFICATION OF COAL AND HYDROCARBON. Omata, T. (Sch. Sci. Eng., Waseda Univ., Tokyo, Japan). Nenryo Kyokai-shi; 52: No. 6, 511-13(1973).
Review with 90 references. RESEARCH PROGRAMS; COAL GASIFICATION;HYDROGEN PRODUCTION; PRODUCTION;SYNTHETIC FUELS;TOWN GAS;REVIEWS

475 ASSESSMENT OF U.S. GEOTHERMAL RESOURCES. Rex, R.W.; Howell, D.J. (Univ. of California, Riverside). pp 59-67 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
GEOTHERMAL RESOURCES;ECONOMICS;PRODUCTION; AVAILABILITY;USA;THERMAL WATERS;NATURAL STEAM; HEATING;EARTH CRUST;ENERGY CONVERSION;ROCKS; ELECTRIC POWER

476 INTRODUCTION: THE ENERGY OUTLOOK. Otte, C.; Kruger, P. (Union Oil Co. of California, Los Angeles). pp 1-13 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
USA. ENERGY SOURCES;FOSSIL FUELS; HYDROELECTRIC POWER;NUCLEAR POWER;THERMONUCLEAR REACTIONS;GEOTHERMAL RESOURCES;ECONOMICS;USA; PROCEEDINGS;AVAILABILITY;SOLAR ENERGY; ENVIRONMENT;LEGAL ASPECTS;GEOTHERMAL ENERGY; ENERGY CONSUMPTION;ENERGY BALANCE;ENERGY DEMAND

477 GEOTHERMAL RESEARCH IN THE US GEOLOGICAL SURVEY. Muffler, L.J.P. Geophysics; 38: No. 1, 185-6(1973).
CALIFORNIA;GEOTHERMAL ENERGY;ECONOMICS;USA; GEYSERS GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS

478 WELL LOCATION MAP, MOHAVE COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC FORMATION AND SELECTED WELLS DRILLED FOR WATER. Koester, E.A.; Conley, J.N. Map, (Scale 1: 500,000, Marginal text, tables). Phoenix; United States of America (USA); Ariz. Oil Gas Conserv. Comm. (1973).
GEOTHERMAL WELLS;HELIUM;WATER;MAPS;ARIZONA; PETROLEUM;NATURAL GAS;STRATIGRAPHY

479 WELL LOCATION MAP, YAVAPAI COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC FORMATION AND SELECTED WELLS DRILLED FOR WATER. Koester, E.A.; Conley, J.N. Map, (Scale 1: 500,000, Marginal text, tables). Phoenix; United States of America (USA); Ariz. Oil Gas Conserv. Comm. (1973).
GEOTHERMAL WELLS;MAPS;ARIZONA;PETROLEUM; NATURAL GAS;HELIUM;STRATIGRAPHY

480 GEOTHERMAL ENERGY; LIMITS OF USE. Umschau; 73: No. 20, 636-7(1973). (In German with English summary).
GEOTHERMAL ENERGY;USES;GEOTHERMAL RESOURCES; ENERGY SUPPLIES

481 UNITED STATES MINERAL RESOURCES. Brobst, D.A.; Pratt, W.P. (eds.). Geological Survey Professional Paper 820. Washington, DC; Geological Survey (1973). 729p. GPO $9.15.
Geology, economics, and uses. MINERAL RESOURCES;USA;GEOLOGY;ECONOMICS;USES;MINERALS; ABRASIVES;BAUXITE;ALUMINIUM;ANTIMONY;ARSENIC; ASBESTOS;BARITE;BERYLLIUM;COPPER;BRINES; FELDSPARS;FLUORINE;GALLIUM;GERMANIUM;INDIUM; GEOTHERMAL ENERGY;GOLD;GRAPHITE;HELIUM;IRON; LEAD;LIMESTONE;DOLOMITE;LITHIUM;CESIUM;RUBIDIUM; MANGANESE;MERCURY;MICA;MOLYBDENUM;NICKEL; NIOBIUM;NUCLEAR FUELS;PETROLEUM;NATURAL GAS;OIL SHALES;PEAT;PHOSPHATES;DEPOSITS;PLATINUM; PALLADIUM;OSMIUM;IRIDIUM;RUTHENIUM;RHODIUM;RARE EARTHS;RHENIUM;SAND;SCANDIUM;SELENIUM;THALLIUM; TIN;TITANIUM;TUNGSTEN;VANADIUM;ZEOLITES;ZINC; ZIRCONIUM;HAFNIUM;BIBLIOGRAPHIES;RESERVES

482 MEETING CALIFORNIA'S ENERGY REQUIREMENTS, 1975-2000. Clark, S.H.; Davis, P.T.; Dawson, G.K.; Rose, K.P.; Trexel, C.A., Jr.; Walker, F.E.; Schmidt, R.; Kinderman, E.M. Menlo Park, CA; United States of America (USA); Stanford Research Inst. (1973). 420p.
CALIFORNIA;ENERGY DEMAND;ELECTRIC POWER; ECONOMICS;ENERGY SOURCES;FOSSIL FUELS;NUCLEAR FUELS;POWER REACTORS;GEOTHERMAL ENERGY;SOLAR ENERGY;USA;CANADA;COST

483 UTILIZATION OF GEOTHERMAL ENERGY. Eydal, A. Association of Pacific Coast Geographers, 35th annual meeting. Pacific Coast Geographers (1973).
GEOTHERMAL ENERGY;EXPLOITATION;THERMAL WATERS;HOT SPRINGS;USA;GEOLOGY;ECONOMICS; GEOTHERMAL RESOURCES

484 GEOTHERMAL ALTERNATIVE TO THE PETROLEUM SHORTAGE. Schreiber, W.L. Geotherm. Energy Mag.; 1: No. 1, 11-13(1973).
ENERGY SHORTAGES;PETROLEUM;ENERGY SOURCES;

GEOTHERMAL ENERGY

485 GEOTHERMAL HEATS UP. Malin, H.M., Jr. Environ. Sci. Technol.; 7: No. 8, 680-681(1973).
USA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GEOLOGY;ECONOMICS

486 GEOLOGICAL AND ENGINEERING ASPECTS OF IDAHO'S GEOTHERMAL POTENTIAL. Nichols, C.R. Proc. Annu. Eng. Geol. Soils Eng. Symp.; No. 11, 291-302(1973).
IDAHO;GEOTHERMAL RESOURCES;THERMAL WATERS; CHEMICAL COMPOSITION;EXPLOITATION;PLANNING; POWER POTENTIAL

487 GEOTHERMAL RESOURCES OF COLORADO. Pearl, R.H. Am. Assoc. Pet. Geol. Bull.; 57: No. 5, 960-1(1973).
COLORADO;GEOTHERMAL RESOURCES;THERMAL WATERS; ECONOMICS

488 GEOTHERMAL ENERGY. Otte, C. Am. Assoc. Pet. Geol. Bull.; 57: No. 4, 798(1973).
GEYSERS GEOTHERMAL FIELD;POWER POTENTIAL; GEOTHERMAL ENERGY

489 GEOTHERMAL ACTIVITY IN 1972. Bowen, R.G. Ore Bin; 35: No. 1, 4-7(1973).
OREGON;GEOPHYSICAL SURVEYS;HEAT FLOW; GEOTHERMAL GRADIENTS;CALIFORNIA;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

490 GEOTHERMAL RESOURCES. Hearings - Subcommittee on Water and Power Resources, Committee on Interior and Insular Affairs, US Senate, 93rd Congress, 1st Session, 10-11 Aug 1973. Washington, DC; United States of America (USA); US Senate (1973). 771p.
Potential for production of electricity and heat in Idaho. HEARINGS;WATER RESOURCES; GEOTHERMAL RESOURCES;POWER POTENTIAL;HEAT;IDAHO; GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS; LAND USE

491 ENERGY SOURCES AND CONVERSION TECHNIQUES. Roberts, R. (US Dept. Defense, Office of Naval Research). Am. Sci.; 61: No. 1, 66-75(Jan-Feb 1973).
ENERGY SOURCES;REVIEWS;FOSSIL FUELS;SOLAR ENERGY;GEOTHERMAL ENERGY;NUCLEAR ENERGY; THERMONUCLEAR REACTIONS;ENERGY CONVERSION; ELECTRIC BATTERIES;MHD GENERATORS;ENERGY DEMAND; ECONOMICS;RESEARCH PROGRAMS

492 MORE ON NOBLE GASES IN YELLOWSTONE NATIONAL PARK HOT WATERS. Mazor, E.; Fournier, R.O. (Israel Atomic Energy Commission, Rehovoth; Weizmann Inst. of Science, Rehovoth, Israel). Geochim. Cosmochim. Acta; 37: No. 3, 515-525(Mar 1973).
WYOMING;THERMAL WATERS;GEOCHEMISTRY;ARGON; KRYPTON;XENON;ABUNDANCE;HELIUM;GEYSERS;CHEMICAL COMPOSITION;GASES;YELLOWSTONE NATIONAL PARK

493 FUTURE ENERGY OUTLOOK. Pederson, J.A. (ed.). (Colorado Sch. Mines, Mineral Economics Inst.; Amer. Assoc. Petrol. Geol.). Q. Colo. Sch. Mines; 68: No. 2, (Apr 1973).
ENERGY DEMAND;ENERGY SUPPLIES;FORECASTING; FOSSIL FUELS;NUCLEAR FUELS;GEOTHERMAL ENERGY; GASBUGGY EVENT;MINERALS;ECONOMICS;EXPLORATION; USA

494 IMPORTANT TO EXAMINE POSSIBILITIES OF UNCONVENTIONAL ENERGY SOURCES. Pickering, W.H. (Calif. Inst. Tech., Jet Propulsion Lab.). Aware; 31: 5-6(Apr 1973).
From Research Conference of the Power Engineering Society of the IEEE; (Dec 1972).
ENERGY SOURCES;SOLAR ENERGY;WIND POWER;TIDAL POWER;GEOTHERMAL ENERGY;HYDROELECTRIC POWER; REVIEWS

495 EXCITING PROSPECTS AHEAD FOR GEOTHERMAL. Ritter, W.W. (George Mason Univ., Fairfax, VA). Electr. World; 44-5(15 May 1973).
USA;GEOTHERMAL RESOURCES;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;COST; GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;HOT-DRY-ROCK SYSTEMS;RESEARCH PROGRAMS;POWER POTENTIAL;GEOTHERMAL ENERGY

496 GEOTHERMAL ENERGY HOT WATER SYSTEMS. Butler, D.R. (Chevron Oil Co., San Francisco, CA). Trans. Am. Nucl. Soc.; 21: 145-146(Jun 1973).
From Transactions of the American Nuclear Society 1975 annual meeting; New Orleans, LA (8 Jun 1975).
HOT-WATER SYSTEMS;GEOTHERMAL ENERGY;HEAT FLOW;METEORIC WATER;POWER GENERATION;REVIEWS; POWER POTENTIAL;ELECTRIC POWER

497 GEOTHERMAL GEOPRESSURE RESOURCES AND PROBLEMS OF THE GULF COAST. Romans, W.A. Geotherm. Energy Mag.; 1: No. 1, 39-42(Aug 1973).
GEOTHERMAL ENERGY;GEOPRESSURED SYSTEMS;GULF OF MEXICO;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;SHORES;TEMPERATURE DEPENDENCE;METHANE; PRESSURE DEPENDENCE;WATER;STEAM;DIAGRAMS; GEOLOGY;HYDROLOGY

498 HAWAII VOLCANO ENERGY. Sheets, G.M. Geotherm. Energy Mag.; 1: No. 1, 23-24(Aug 1973).
VOLCANOES;GEOLOGY;GEOTHERMAL ENERGY;LEGAL ASPECTS;HAWAII;REGULATIONS;EXPLORATION; GEOTHERMAL RESOURCES

499 PROCEEDINGS OF NATIONAL CONFERENCE ON GEOTHERMAL ENERGY, MAY 10-11, 1973, PALM SPRINGS, CALIFORNIA. VOLUME 1. Leh, M. (ed.). Riverside; United States of America (USA); Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
GEOTHERMAL ENERGY;MEETINGS

500 DINNER SESSION, THURSDAY, 10 MAY 1973. Fannin, P.J. (US Senator, Arizona). pp 47-57 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume 1. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
National Conference on Geothermal Energy, Palm Springs, California. GEOTHERMAL ENERGY; MEETINGS;USA;ENERGY DEMAND;ENERGY SUPPLIES; ENERGY CONSUMPTION;FOSSIL FUELS;NUCLEAR POWER; CALIFORNIA;ARIZONA;GEOTHERMAL RESOURCES;LAND LEASING;LEGAL ASPECTS;ENERGY POLICY;GEOTHERMAL WELLS;POWER POTENTIAL;GEOTHERMAL ENERGY CONVERSION;ENVIRONMENTAL EFFECTS;LEGISLATION

501 OPENING REMARKS. MORNING GENERAL SESSION, THURSDAY, 10 MAY 1973. Veysey, V.V. pp 2-9 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm

Springs, California. Volume 1. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
National Conference on Geothermal Energy, Palm Springs, California. GEOTHERMAL RESOURCES; USA;MEETINGS;POWER POTENTIAL;ENERGY DEMAND; ENERGY POLICY;ELECTRIC POWER;ECONOMICS

502 LUNCHEON SESSION, THURSDAY, 10 MAY 1973. Livermore, N.B., Jr. (Secretary, Resources Agency, State of California). pp 40-5 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume 1. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
National Conference on Geothermal Energy, Palm Springs, Calif.. USA;CALIFORNIA;ENERGY DEMAND;ELECTRIC POWER;ENERGY CONSUMPTION;FOSSIL FUELS;NUCLEAR POWER;GEOTHERMAL POWER PLANTS; HYDROELECTRIC POWER;GEOTHERMAL ENERGY;POWER POTENTIAL;LAND LEASING;ENERGY POLICY; ENVIRONMENTAL EFFECTS;MEETINGS

503 LUNCHEON SESSION, FRIDAY, 11 MAY 1973. Barnea, J. (Director of Resources and Transport, United Nations). pp 59-68 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume 1. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
National Conference on Geothermal Energy, Palm Springs, California. USA;HOT-WATER SYSTEMS; GEOTHERMAL ENERGY;MEETINGS;WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GEOTHERMAL FLUIDS; ENTHALPY;WASTE WATER;SPACE HEATING;DESALINATION; WATER RESOURCES;CHEMICAL COMPOSITION;WASTE DISPOSAL;ENVIRONMENTAL EFFECTS;MINERALS; RECOVERY;EL SALVADOR;GEYSERS GEOTHERMAL FIELD; IMPERIAL VALLEY;EXPLOITATION

504 AFTERNOON GENERAL SESSION, FRIDAY, 11 MAY 1973. Rigg, J.B., Jr. (Deputy Assistant Secretary-Energy and Minerals, US Dept. Interior). pp 70-80 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume 1. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
National Conference on Geothermal Energy, Palm Springs, California. USA;GEOTHERMAL RESOURCES;ENERGY POLICY;FOSSIL FUELS;ECONOMICS; ENERGY CONSERVATION;GEOTHERMAL ENERGY;MEETINGS; LAND LEASING;ENVIRONMENTAL EFFECTS;EXPLOITATION

505 PROCEEDINGS OF NATIONAL CONFERENCE ON GEOTHERMAL ENERGY, MAY 10-11, 1973, PALM SPRINGS, CALIFORNIA. VOLUME II. Leh, M. (ed.). Riverside; United States of America (USA); Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
GEOTHERMAL ENERGY;MEETINGS

506 IMPERIAL VALLEY. Reed, M. pp 141-9 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
Potential source of electric power, heat, fresh water, and chemicals from geothermal resources. IMPERIAL VALLEY;GEOTHERMAL RESOURCES; SALTON SEA;GEOTHERMAL FLUIDS;GEOTHERMAL WELLS; GEOTHERMAL EXPLORATION;BRINES;INORGANIC COMPOUNDS;RECOVERY;CERRO PRIETO GEOTHERMAL FIELD;CHEMICAL COMPOSITION;GRAVITY SURVEYS; GEOTHERMAL POWER PLANTS;POWER POTENTIAL; ELECTRIC POWER;FRESH WATER;PRODUCTION

507 PLAN FOR ACCELERATED DEVELOPMENT OF GEOTHERMAL RESOURCES IN THE US. Barnea, J. pp 154-9 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;ICELAND; NEW ZEALAND;EL SALVADOR

508 GEOTHERMAL WATERS OF ARIZONA. PROGRESS REPORT. Tellier, A.H. (Arizona State Univ., Tempe). pp 163-75 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
ARIZONA;HOT SPRINGS;GEOTHERMAL ENERGY;POWER POTENTIAL;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;POTASSIUM;SODIUM;BORON;SILICON OXIDES;ABUNDANCE;GEOTHERMOMETRY

509 BEOWAWE STILL ROARS: REPROACH AND REHASH. Wehlage, E.F. Geotherm. Energy Mag.; 1: No. 2, 14-18(Sep 1973).
GEOTHERMAL RESOURCES;NEVADA;EXPLORATION; GEOTHERMAL EXPLORATION;REVIEWS

510 POTENTIAL FOR THE PRODUCTION OF POWER FROM GEOTHERMAL RESOURCES. Smith, M.C. (Los Alamos Scientific Lab., NM). Geotherm. Energy Mag.; 1: No. 2, 46-51(Sep 1973).
GEOTHERMAL ENERGY;LASL;RESEARCH PROGRAMS; PRODUCTION;GEOTHERMAL RESOURCES;POWER GENERATION;GEOTHERMAL POWER PLANTS;ECONOMICS; PLANNING;DESIGN;POWER POTENTIAL

511 GEOTHERMAL RESOURCE INVESTIGATIONS. Porter, L.R. (Bureau of Reclamation, Boulder City, Nev. Region 3). ASCE Proc., J. Hydraulics Div.; 99: No. HY11, Paper 10136, 2097-2111(Nov 1973).
GEOTHERMAL RESOURCES;IMPERIAL VALLEY; DESALINATION;GROUND WATER;HEAT FLOW;THERMAL WATERS;GEOTHERMAL WELLS;BRINES;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;COLORADO RIVER;WATER RESOURCES

512 GEOTHERMAL RESOURCE INVESTIGATIONS. Porter, L.R. (US Bur. Reclam., Boulder City, NV). ASCE J. Hydraul. Div.; 99, Paper 10136: No. HY11, 2097-111(Nov 1973).
GEOTHERMAL RESOURCES;WATER;COLORADO RIVER; IMPERIAL VALLEY;BRINES;GEOTHERMAL FLUIDS;FRESH WATER;POWER GENERATION;WATER RESOURCES

513 GEOTHERMAL ENERGY: POTENTIAL OF WASHINGTON STATE. Russell, R.H. Geotherm. Energy Mag.; 1: No. 4, 39-48(Dec 1973).
GEOTHERMAL RESOURCES;ENVIRONMENT;WASHINGTON; USA;GEOTHERMAL EXPLORATION

514 GEOTHERMAL DEVELOPMENT AND SOUTHWEST STORAGE BASINS. Littleton, R.T. (Bureau of Reclamation, Boulder City, NV, Region 3). pp 46-8 of Proceedings of 9th Biennial Conference on Ground Water, September 13-14, 1973, Francisco Torres Conference Center, Goleta, California. California University Water Resources Center Report No. 26. Boulder City, NV; Bureau of Reclamation (Dec 1973).
From 9th Biennial Conference on Ground Water; Francisco Torres Conference Center, Goleta, CA (13-14 Sep 1973).

WATER RESOURCES;WATER RESERVOIRS;ECONOMICS; QUALITY CONTROL;THERMAL WATERS;DESALINATION; GEOTHERMAL RESOURCES;GROUND WATER;USA

515 ENERGY SHORTAGE STIMULATES GEOTHERMAL EXPLORATION. Fuchs, R.L.; Westphal, W.H. (Geosystems Corp., NY). World Oil; 177: No. 7, 37-41(Dec 1973).
DRILLING;GEYSERS;THERMAL WATERS;GEOCHEMISTRY; ENERGY SHORTAGES;ENERGY RESERVES;GEOTHERMAL FIELDS;USA;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

516 THE POTENTIAL FOR ENERGY PRODUCTION FROM GEOTHERMAL RESOURCES. REPORT OF THE SUBCOMMITTEE ON WATER AND POWER RESOURCES, COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. Washington, DC; United States of America (USA); Committee on Interior and Insular Affairs (Dec 1973). 40p. GPO $0.50.
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ECONOMICS;FINANCING;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;GEOPRESSURED SYSTEMS;GOVERNMENT POLICIES;ENERGY POLICY

517 GEOTHERMAL POWER. Smith, M.C. (Los Alamos Scientific Lab., NM). AIP (Am. Inst. Phys.) Conf. Proc.; No. 19, 401-411(1974).
From Topical conference on energy; Chicago, Illinois, USA (4 Feb 1974).
GEOTHERMAL ENERGY;ROCK DRILLING;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;REVIEWS;DRY-STEAM SYSTEMS;HOT-DRY-ROCK SYSTEMS;MAGMA;LAVA

518 DEVELOPMENTS IN STATIONARY POWER SOURCES. Slaminski, J.M. (Public Service Co. of N. M.); Kist, E.D. pp 35-44 of Eng. for the Mater/ Energy Challenge, ASME Annu. Symp., 14th. Proc., Albuquerque, N. M., Feb. 28-Mar. 1, 1974. Abbin, J.P. Albuquerque, NM; NM Sect., ASME (1974).
From 14. ASME Annu. Symp.; Albuquerque, NM (Feb. 28-Mar. 1, 1974).
ELECTRIC POWER;ENERGY CONVERSION;ENERGY SOURCES;PLANNING;FOSSIL FUELS;NUCLEAR POWER; HYDROELECTRIC POWER;GEOTHERMAL ENERGY;SOLAR ENERGY;POWER POTENTIAL;ENVIRONMENT

519 GEOTHERMAL RESOURCES AT MARYSVILLE, MONTANA. Blackwell, D.D. (South Methodist Univ., Dallas, Tex.). pp 1051-1057 of Intersoc. Energy Convers. Eng. Conf., 9th, Proc., San Francisco, Calif., Aug. 26-30, 1974. New York; ASME (1974).
From 9. IECEC; San Francisco, Calif. (26-30 Aug 1974).
MONTANA;HOT-DRY-ROCK SYSTEMS;GEOTHERMAL ENERGY;POWER POTENTIAL;GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

520 MINERAL PRODUCTION IN CALIFORNIA. Davis, F.F.; Evans, J.R. California Geology; 27: No. 6, 128-134(1974).
CALIFORNIA;MINERAL RESOURCES;PRODUCTION; GEOTHERMAL ENERGY;ENERGY SOURCES;METALS; PETROLEUM;NATURAL GAS;ECONOMICS

521 GEOTHERMAL POTENTIALS IN SOUTH DAKOTA. Schoon, R.A.; McGregor, D.J. South Dakota Geol. Surv.; No. 110, 76p.(1974).
SOUTH DAKOTA;GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS;HEAT FLOW;EXPLOITATION

522 U. S. ENERGY RESOURCES; LIMITS AND FUTURE OUTLOOK. Cheney, E.S. Am. Sci.; 62: No. 1, 14-22(1974).
USA;GEOTHERMAL RESOURCES;PLANNING; FORECASTING;NATURAL GAS;PETROLEUM;ENERGY SOURCES;COAL

523 OVERVIEW OF GEOTHERMAL ENERGY DEVELOPMENTS. Otte, C. Am. Assoc. Pet. Geol. Bull.; 58: No. 5, 910(1974).
USA;GEOTHERMAL ENERGY;REVIEWS;PLANNING; GEYSERS GEOTHERMAL FIELD;CALIFORNIA;GEOTHERMAL RESOURCES

524 ORE BIN. Deweese, R.W. Ore Bin; 36: No. 3, 33-52(1974).
ORES;GEOLOGIC DEPOSITS;GEOTHERMAL RESOURCES; MINERAL RESOURCES;OREGON;GOLD;GEOMORPHOLOGY

525 ICELAND'S GEOTHERMAL STORY. Wehlage, E.F. Geotherm. Energy Mag.; 2: No. 3, 5-20(1974).
ICELAND;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ECONOMICS;EXPLOITATION

526 ENERGY IN THE STATE OF WASHINGTON. Hinman, G. Wash., Energy Policy Counc. Seattle, Wash.; United States of America (USA); Wash., Energy Policy Counc. (1974).
WASHINGTON;ENERGY SOURCES;ECONOMICS;URANIUM; PETROLEUM;COAL;NATURAL GAS;GEOTHERMAL RESOURCES

527 GEOTHERMAL POTENTIALS IN SOUTH DAKOTA. Schoon, R.A.; McGregor, D.J. S.D. Geol. Surv., Rep. Invest.; No. 110, 76(1974).
SOUTH DAKOTA;GEOTHERMAL RESOURCES;GEOLOGY; HEAT FLOW;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS

528 POWER FROM THE SALTON TROUGH. Thomsen, D.E. Sci. News (Wash., D.C.); 106: No. 2, 28-9(1974).
SALTON SEA;IMPERIAL VALLEY;GEOTHERMAL ENERGY; POWER POTENTIAL;GEOTHERMAL RESOURCES;CALIFORNIA

529 POTENTIAL FOR GEOTHERMAL ENERGY DEVELOPMENT IN ALASKA. Miller, T.P.; Barnes, I. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1450(1974).
ALASKA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES

530 GEOTHERMAL POTENTIAL OF SOUTHWESTERN UNITED STATES. Kilkenny, J.E. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1444-5(1974).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; GEOTHERMAL EXPLORATION;ECONOMICS

531 GEOTHERMAL ENERGY AND WESTERN UTILITIES. Barnea, J. Geotherm. Energy Mag.; 2: No. 8, 35-8(1974).
USA;GEOTHERMAL ENERGY;ELECTRIC POWER;USES; AVAILABILITY;GEOTHERMAL RESOURCES;EXPLORATION; POWER GENERATION

532 PROJECT INDEPENDENCE BLUEPRINT: FINAL TASK FORCE REPORT. GEOTHERMAL ENERGY. Washington, DC; United States of America (USA); Federal Energy Administration (1974). vp. GPO $2.00, Stock Number 4118-00011.
GEOTHERMAL ENERGY;AVAILABILITY;PROJECT INDEPENDENCE;PLANNING;ENERGY POLICY;ECONOMIC POLICY;PRODUCTION;FORECASTING;ECONOMICS

533 GEOTHERMAL ENERGY AND THE ENERGY CRISIS: BANQUET SPEECH. Rogers, W.L. (Dept. of

Interior, Denver). pp 97-102 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
GEOTHERMAL RESOURCES;POWER POTENTIAL; ECONOMICS;MARKET;EXPLOITATION;PLANNING;ENERGY SHORTAGES;ENERGY DEMAND;GEOTHERMAL ENERGY;USA

534 GEOTHERMAL ENERGY AND COLORADO: AN INTRODUCTION. Rold, J.W. (Colorado Geological Survey, Denver). pp 1-9 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
COLORADO;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY CONVERSION;PLANNING;GEOTHERMAL EXPLORATION;HOT SPRINGS;MAPS;HEAT FLOW

535 *GEOTHERMAL RESOURCES. PARTS I AND II.* HEARINGS BEFORE THE SUBCOMMITTEE ON WATER AND POWER RESOURCES OF THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, FIRST SESSION. Washington, DC; United States of America (USA); Committee on Interior and Insular Affairs (1974). 771p.
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ELECTRIC POWER;HEATING;GOVERNMENT POLICIES; IDAHO;OREGON;UTAH;HEARINGS

536 POTENTIAL GEOTHERMAL RESOURCES OF TEXAS. Dorfman, M.; Kehl, R.O. Geological circular 74-4. Austin, TX; United States of America (USA); University of Texas (1974). 35p.
TEXAS;RESERVES;GEOTHERMAL ENERGY; AVAILABILITY;EXPLORATION;DRILLING;PRODUCTION; ECONOMICS;ENVIRONMENTAL EFFECTS

537 GEOTHERMAL EXPLORATION AND DEVELOPMENT IN NEVADA THROUGH 1973. Garside, L.J. Nevada Bureau of Mines and Geology Report 21. Reno, NV; United States of America (USA); University of Nevada, Mackay School of Mines (1974). 14p. Nevada Bureau of Mines and Geology, Univ. of Nevada, Reno, NV 89507, $1.00.
NEVADA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;GEOLOGY; REGULATIONS;LAND USE;EXPLORATION;DATA ACQUISITION;GEOTHERMAL FIELDS;ECONOMICS;DRY-STEAM SYSTEMS;SAFETY;HEAT EXCHANGERS;HEATING; GREENHOUSES;POWER GENERATION;SPACE HEATING; INDUSTRIAL PLANTS

538 BONNEVILLE SALT FLATS. POSSIBLE GEOTHERMAL AREA. Whelan, J.A.; Petersen, C.A. (Dep. Geol. Geophys. Sci., Univ. Utah, Salt Lake City, UT). *Utah Geol.; 1: No. 1, 71-82(1974).*
Reservoir temperature of 177-285°.
GEOTHERMAL FIELDS;UTAH;BRINES;GEOLOGIC FAULTS; AQUIFERS;GEOTHERMOMETRY;TEMPERATURE MEASUREMENT; USA;GEOTHERMAL RESOURCES

539 GEOTHERMAL POTENTIALS IN SOUTH DAKOTA. Schoon, R.A.; McGregor, D.J. S.D., Geol. Surv., Rep. Invest. No. 110. Vermillion, SD; United States of America (USA); Sci. Cent., Univ. South Dakota (1974). 76p.
SOUTH DAKOTA;USA;GEOTHERMAL RESOURCES; GEOLOGICAL SURVEYS

540 GEOTHERMAL EXPLORATION AND DEVELOPMENT IN NEVADA THROUGH 1973. Garside, L.J. (Nevada Bur. Mines, Reno, NV). 21: 1-12(1974).
GEOTHERMAL EXPLORATION;REVIEWS;NEVADA; GEOTHERMAL RESOURCES

541 POWER GENERATION AND THE COLORADO RIVER BASIN. Finlayson, V.A. (Utah Power and Light Co., Salt Lake City). pp 174-89 of Environmental Management in the Colorado River Basin, 15-16 Oct 1973, Salt Lake City, UT. Logan; Utah State Univ. Press (1974).
From Conference on Environmental Management in the Colorado River Basin; Salt Lake City (15-16 Oct 1973).
INDUSTRY;ENERGY DEMAND;ENERGY SUPPLIES; ENERGY SOURCES;UTAH;COLORADO RIVER BASIN;POWER GENERATION;WATER RESOURCES;OIL SHALES;FOSSIL FUELS;NATURAL GAS;NUCLEAR POWER PLANTS; GEOTHERMAL POWER PLANTS;COAL GASIFICATION;USA

542 GEOTHERMAL RESOURCES AT MARYSVILLE, MONTANA. Blackwell, D.D. (Southern Methodist Univ., Dallas). pp 148-155 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
From 9. intersociety energy conversion engineering conference; San Francisco (26 Aug 1974).
MONTANA;GEOTHERMAL RESOURCES;HOT-DRY-ROCK SYSTEMS;POWER POTENTIAL;HEAT FLOW;GEOTHERMAL EXPLORATION;USA;GEOTHERMAL GRADIENTS

543 GEOTHERMAL RESOURCES OF COLORADO. Pearl, R.H. (Colorado Geological Survey, Denver). Geotherm. Energy Mag.; 2: No. 1, 18-20(Jan 1974).
GEOTHERMAL ENERGY;COLORADO;ENERGY SOURCES; GEOLOGY;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

544 LAWRENCE LIVERMORE LABORATORY. Geotherm. Energy Mag.; 2: No. 1, 26-31(Jan 1974).
GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; POWER POTENTIAL;ENERGY SOURCES;RESEARCH PROGRAMS;LAWRENCE LIVERMORE LABORATORY;ELECTRIC POWER;TURBINES;BRINES;EFFICIENCY;HEATING;STEAM; MIXTURES;GEOTHERMAL RESOURCES

545 U.S. ENERGY SELF-SUFFICIENCY: VAIN HOPE OR ATTAINABLE GOAL. Roddis, L.H. Jr. (Consolidated Edison Co. of New York, NY). *Public Util. Fortn.; 93: No. 4, 24-27(14 Feb 1974).*
ENERGY POLICY;USA;COAL LIQUEFACTION;ENERGY SOURCE CONSERVATION;ECONOMICS;COAL GASIFICATION; PLANNING;ENERGY SOURCES;LEGAL ASPECTS; ENVIRONMENT;TRANSPORT;ENERGY CONSUMPTION;GROWTH; EXPLORATION;NUCLEAR POWER;GEOTHERMAL ENERGY; SOLAR ENERGY

546 ARIZONA - GILLARD HOT SPRINGS. Tellier, A. (Sun Eng. Prod., 1972 E. 1st St., Tempe, AZ). Geotherm. Energy Mag.; 2: No. 5, 20-31(May 1974).
HOT SPRINGS;ARIZONA;STRATIGRAPHY;GEOLOGY; THERMAL WATERS;CHEMICAL ANALYSIS;GEOTHERMAL RESOURCES

547 PROPOSED GEOPRESSURED ENERGY INVESTIGATION. Durham, C.O., Jr. (School of Geoscience, LSU). Geotherm. Energy Mag.; 2: No. 5, 7-19(May 1974).
GEOPRESSURED SYSTEMS;RESEARCH PROGRAMS; ECONOMICS;METHANE;POWER GENERATION;TEXAS; LOUISIANA;GEOTHERMAL RESOURCES

548 SALT DOMES AS A SOURCE OF GEOTHERMAL ENERGY. Jacoby, C.H.; Paul, D.K. (Int. Salt Co., Clarks Summit, PA). Min. Eng. (NY); 26: No. 5, 34-9(May 1974).
GEOTHERMAL ENERGY;SALT DEPOSITS;CAVITIES; GEOTHERMAL RESOURCES

549 SYSTEMATIC APPROACH TO GEOTHERMAL DEVELOPMENT. Armstead, H.C.H. (Rock House, Dartmouth, England); Gorhan, H.L.; Mueller, H. (Motor-Columbus Consulting Engineers, Inc., Baden, Switzerland). Geotnermics; 3: No. 2, 41-52(Jun 1974).
GEOTHERMAL RESOURCES;PLANNING;ECONOMICS; POWER POTENTIAL;GEOTHERMAL EXPLORATION

550 FUTURE TRENDS IN ENERGY SUPPLY. Hauser, L.G. (Westinghouse Electric Corp., East Pittsburgh, Pa.). Tappi; 57: No. 6, 117-120(Jun 1974).
USA;ENERGY SOURCES;PLANNING;ELECTRIC POWER; ENERGY CONSUMPTION;ENERGY DEMAND;FOSSIL FUELS; COAL;NUCLEAR POWER;GEOTHERMAL ENERGY;ECONOMICS; ENERGY SUPPLIES

551 HAWAII GEOTHERMAL PROJECT. YEAR ONE OVERVIEW. Shupe, J.W. (Dean Eng., Univ. Hawaii; Director, Hawaii Geothermal Project). Geotherm. Energy Mag.; 2: No. 7, 7-9(Jul 1974).
HAWAII;RESEARCH PROGRAMS;GEOTHERMAL ENERGY; GEOPHYSICS;PLANNING

552 GEOTHERMAL ENERGY POTENTIAL IN NORTHERN APPALACHIA. Rieke, H.H. III; Skidmore, D.R. (West Virginia Univ., Morgantown). J. Pet. Technol.; 26: 1005-1006(Sep 1974).
COMBUSTION HEAT;SPECIFIC HEAT;GEOTHERMAL RESOURCES;APPALACHIA;POWER POTENTIAL;INDUSTRY; ELECTRIC POWER;MINERALS;DESALINATION;ENERGY CONSUMPTION;NUCLEAR FUELS;FOSSIL FUELS

553 GEOTHERMAL ENERGY POTENTIAL IN NORTHERN APPALACHIA. Rieke, H.H., III. (West Virginia University, Morgantown); Skidmore, D.R. J. Pet. Technol.; 26: 1005-1006(Sep 1974).
USA;GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS;HEAT FLOW;GEOTHERMAL ENERGY;POWER POTENTIAL;GEOLOGIC DEPOSITS;GEOTHERMAL EXPLORATION;ECONOMICS;HEAT;APPALACHIAN MOUNTAINS

554 NEED FOR HARDWARE. TOON SUGGESTS GEOTHERMAL PLAN. Toon, T.O. (Energy Enterprises). Geotherm. Energy Mag.; 2: No. 11, 51-3(Nov 1974).
GEOTHERMAL ENERGY;EQUIPMENT;PLANNING; GEOTHERMAL EXPLORATION;EXPLOITATION;PRODUCTION; USES;REVIEWS;USA

555 GEOTHERMAL RESOURCES RESEARCH AND TECHNOLOGY. Kruger, P. (Adv. Geothermal Energy Res. and Tech., Natl. Sci. Found.). Aware; No. 51, 2-7(Dec 1974).
From Conference on Research for Development of Geothermal Energy Resource; Pasadena, CA (23-5 Sep 1974).
USA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; POWER DEMAND;ENERGY DEMAND;RESEARCH PROGRAMS; PLANNING;EXPLOITATION;GEOTHERMAL EXPLORATION; INDUSTRY;GOVERNMENT POLICIES;FINANCING;CAPITAL; WELL DRILLING;GEOTHERMAL ENERGY CONVERSION; ENVIRONMENTAL EFFECTS;LEGAL ASPECTS;INVESTMENT; ECONOMICS

556 GEOTHERMAL ENERGY: POTENTIALLY THE WEST'S MAJOR ENERGY RESOURCE. Bowen, R.G. Geotherm. Energy Mag.; 2: No. 12, 29-30(Dec 1974).
Project Independence hearings. GEOTHERMAL ENERGY;USA;GEOTHERMAL RESOURCES;HEARINGS;POWER POTENTIAL;PROJECT INDEPENDENCE

557 ALASKAN NON-ELECTRIC GEOTHERMAL ENERGY NEEDS AND POSSIBILITIES. Ogle, W. Geotherm. Energy Mag.; 2: No. 12, 61(Dec 1974).
ALASKA;GEOTHERMAL ENERGY;USES;HOT SPRINGS; SPACE HEATING;AGRICULTURE;ENERGY SOURCES

558 GEOTHERMAL RESOURCE, FRIO FORMATION, SOUTH TEXAS. Bebout, D.G.; Dorfman, M.H.; Agagu, O.K. (Univ. Texas, Austin). Tex., Univ. Bur. Econ. Geol., Geol. Circ.; No. 75-1, 1-36(1975).
GEOTHERMAL RESOURCES;TEXAS;MAPS;TEMPERATURE DISTRIBUTION;USA

559 GEOTHERMAL ENERGY AS A RESOURCE IN A HYDROGEN ENERGY ECONOMY. Maslan, F.; Gordon, T.J. (Futures Group, Glastonbury, CT). pp 57-85 of Hydrogen energy. Part A. Veziroglu, T.N. (ed.). New York; Plenum Publishing Corp. (1975).
From Hydrogen economy Miami energy conference; Miami Beach, Florida, USA (18 Mar 1974).
GEOTHERMAL ENERGY;POWER POTENTIAL;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS;FEASIBILITY STUDIES;FORECASTING; ECONOMICS;HYDROGEN PRODUCTION;USA;ELECTRIC POWER;COST;ENERGY DEMAND;ELECTROLYSIS

560 HAWAII GEOTHERMAL PROJECT. Kamins, R.M. (Univ. of Hawaii, Honolulu). Geotherm. Energy Mag.; 3: No. 3, 49-53(Mar 1975).
HAWAII;MAGMA SYSTEMS;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;RESEARCH PROGRAMS; GEOPHYSICAL SURVEYS;VOLCANIC REGIONS; ENGINEERING;MANAGEMENT;SITE SELECTION;WELL DRILLING;ENERGY POLICY;GOVERNMENT POLICIES

561 HAWAII GEOTHERMAL PROJECT. Kamins, R.M. (Univ. of Hawaii, Honolulu). Geotherm. Energy Mag.; 3: No. 3, 49-53(Mar 1975).
HAWAII;MAGMA SYSTEMS;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;RESEARCH PROGRAMS; GEOPHYSICAL SURVEYS;VOLCANIC REGIONS; ENGINEERING;MANAGEMENT;SITE SELECTION;WELL DRILLING;ENERGY POLICY;GOVERNMENT POLICIES

562 GEOTHERMAL RESEARCH AND DEVELOPMENT PROGRAM OF THE U.S. ATOMIC ENERGY COMMISSION. Werner, L.B. (Atomic Energy Commission, Washington, DC). Geotherm. Energy Mag.; 3: No. 3, 36-40(Mar 1975).
US AEC;RESEARCH PROGRAMS;GEOTHERMAL ENERGY; POWER GENERATION;HEATING;BUDGETS;GEOTHERMAL RESOURCES

563 NEW ZEALAND'S GEOTHERMAL FLAVOR: STILL INTERNATIONAL. Wehlage, E.F. Geotherm. Energy Mag.; 3: No. 5, 23-26(May 1975).
NEW ZEALAND;INTERNATIONAL COOPERATION;ENERGY POLICY;ENGINEERING;GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES

564 WHAT IF THE WATER ISN'T HOT ENOUGH. Kunze, J.F. Geotherm. Energy Mag.; 3: No. 5, 60-64(May 1975).
Utilization of hot-water reservoirs below

180°C. HOT-WATER SYSTEMS;ENERGY YIELD;HIGH TEMPERATURE;COST;ECONOMICS;FLOW RATE;WELL DRILLING;GEOTHERMAL RESOURCES;USA;GEOTHERMAL EXPLORATION

565 PUBLIC INTEREST VS. PRIVATE PARTISANSHIP IN GEOTHERMAL DEVELOPMENT. Bowen, R.G. (Consulting Geologist, Portland, OR). Geotherm. Energy Mag.; 3: No. 5, 87-88(May 1975).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; HEARINGS;PLANNING;ECONOMIC DEVELOPMENT; ENVIRONMENT;PRESERVATION

566 PROSPECTS FOR GEOTHERMAL-ELECTRIC POWER PRODUCTION THROUGH 1985. Racine, W.C. (Southern California Edison Co., Los Angeles). Trans., Int. Soc. Geotherm. Eng.; 1: No. 2, S.7408.1-S.7408.7(May 1975).
2,000 MW projected capacity. ELECTRIC POWER; POWER GENERATION;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;USA;COST;GEOTHERMAL ENERGY;POWER RANGE 1-10 GW

567 VOLCANO (OR GEOTHERMAL) POWER POSSIBLE BY 1980. Tune, J. Geotherm. Energy Mag.; 3: No. 6, 40-41(Jun 1975).
HAWAII;GEOTHERMAL ENERGY;PLANNING;VOLCANOES; GEOTHERMAL RESOURCES

568 RECENT GEOTHERMAL DEVELOPMENTS IN COLORADO. Pearl, R.H. Geotherm. Energy Mag.; 3: No. 6, 45-47(Jun 1975).
COLORADO;GEOTHERMAL RESOURCES;LAND LEASING; PUBLIC LANDS;LEGISLATION;THERMAL WATERS

569 CITY'S QUEST FOR ENERGY INDEPENDENCE. Kile, M. Jr. (Burbank Public Service Dept., CA). Geotherm. Energy Mag.; 3: No. 6, 54-55(Jun 1975).
Preliminary study of geothermal program, Burbank, California. CALIFORNIA;POWER DEMAND; GEOTHERMAL ENERGY

570 STATE POLICY CONSIDERATIONS FOR GEOTHERMAL DEVELOPMENT IN HAWAII. Grabbe, E.M.; Kamins, R.M. Geotherm. Energy Mag.; 3: No. 7, 5-9; 11-13(Jul 1975).
HAWAII;PLANNING;GOVERNMENT POLICIES; GEOTHERMAL RESOURCES;WELL DRILLING; ENVIRONMENTAL IMPACT STATEMENTS;ELECTRIC POWER; USES

571 DEVELOPMENT OF THE NATION'S GEOTHERMAL ENERGY RESOURCES. Kruger, P. (Energy Research and Development Administration, Washington, DC). Geotherm. Energy Mag.; 3: No. 8, 25-27(Aug 1975).
From 2. energy technology conference; Washington, DC (12 May 1975).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;USA; FORECASTING;RESEARCH PROGRAMS;GEOTHERMAL EXPLORATION;REVIEWS;LEGAL ASPECTS;GOVERNMENT POLICIES

572 GEOTHERMAL DEVELOPMENT IN HAWAII BY PRIVATE INDUSTRY. Craddick, E.C. Geotherm. Energy Mag.; 3: No. 9, 14-15(Sep 1975).
HAWAII;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;INDUSTRY

573 DEVELOPMENT OF THE NATION'S GEOTHERMAL ENERGY RESOURCES. II. Kruger, P. (Div. of Geothermal Energy, (ERDA), Washington, DC). Aware; No. 61, 8-13(Oct 1975).
GEOTHERMAL ENERGY;RESEARCH PROGRAMS; LEGISLATION;US ERDA;ENVIRONMENTAL EFFECTS; ECONOMICS;REGULATIONS;USA;GEYSERS GEOTHERMAL FIELD;EXPLORATION;ELECTRIC POWER;PLANNING

574 ENERGY ALTERNATIVES FOR CALIFORNIA: PATHS TO THE FUTURE. Ahern, W.; Doctor, R.; Harris, W.; Lipson, A.; Morris, D.; Nehring, R. Geotherm. Energy Mag.; 3: No. 11, 24-25(Nov 1975).
CALIFORNIA;ENERGY SUPPLIES;FORECASTING;POWER POTENTIAL;NUCLEAR ENERGY;GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES;LEGAL ASPECTS

575 CALIFORNIA SET FOR GEOTHERMAL SURGE. Wilson, H.M. Oil Gas J.; 73: No. 44, 32-34(3 Nov 1975).
CALIFORNIA;GEYSERS GEOTHERMAL FIELD;IMPERIAL VALLEY;SALTON SEA GEOTHERMAL FIELD;HEBER GEOTHERMAL FIELD;INDUSTRY;POWER POTENTIAL; FORECASTING;GEOTHERMAL ENERGY;USA;LEGAL ASPECTS; GEOTHERMAL POWER PLANTS;PLANNING

576 GEOTHERMICS--NEW MEXICO'S UNTAPPED RESOURCES. Summers, W.K. New Mexico Bur. Mines and Mineral Resources Circ.; No. 98, 9(1978).
NEW MEXICO;GEOTHERMAL RESOURCES;THERMAL WATERS;HOT SPRINGS;USES;GEOTHERMAL ENERGY;LEGAL ASPECTS;NATURAL STEAM;GEOLOGIC FAULTS;MAGMA

577 CALISTOGA SILVER MINES. Hanks, H.G. pp 76-9 of 6th Report of State Mineralogist, Pt. 1. Sacramento; Calif. Bur. Mines (1886).
HOT SPRINGS;CALIFORNIA;GEOTHERMAL RESOURCES

578 MONO COUNTY. Whiting, H.A. pp 352-7 of 8th Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1888).
HOT SPRINGS;FUMAROLES;GEOTHERMAL RESOURCES; CALIFORNIA

579 GEOLOGY AND MINERALOGY OF SHASTA COUNTY. Fairbanks, H.W. pp 24-53 of 11th Report of State Mineralogist. Sacramento; Calif. Bur. Mines (1893).
CALIFORNIA;HOT SPRINGS;GEOTHERMAL RESOURCES; GEOLOGY;MINERALS

Non-USA

Refer also to citation(s) 271, 341, 344, 360, 371, 415, 451, 898, 1233, 1245, 1423, 1444, 1449, 1450, 1490, 1517, 1562, 1564, 1590, 1620, 1624, 1728, 1771, 1791, 1814, 1815, 1838, 1886, 1905, 2034, 2184, 2349, 2554, 2856, 3093, 3129, 3530, 3690, 3695, 3696, 3731, 3736, 3741, 3745, 3749, 3751, 3761, 3800, 3819, 3836, 4215, 4316, 4325, 4335, 4343, 4385

580 (AD--754626) HEAT OF THE GROUND (TEPLO ZEMLI). Dvorov, I. (Army Foreign Science and Technology Center, Charlottesville, VA). 24 Aug 1972. 13p. (FSTC-HT--23-437-73). NTIS $3.00; $0.95 (mf).
USSR;GEOTHERMAL RESOURCES;EARTH CRUST; DRILLING;VOLCANOES;GEOTHERMAL ENERGY

581 (CONF-740209--, pp 75-79) ESTIMATION OF POTENTIALS FOR THE HATCHOBARU GEOTHERMAL AREA, NORTHERN KYUSHU, JAPAN. Onodera, S. (Kyushu Univ., Japan). 1974.
From U.S.-Japan cooperative science seminar

on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
156,000 kW. JAPAN;POWER POTENTIAL;GEOTHERMAL FIELDS;FLOW RATE;GEOTHERMAL WELLS;GEOTHERMAL FLUIDS;EQUATIONS

582 (JPRS--59496) DEEP-SEATED HEAT FROM THE EARTH. Dvorov, I.M. (Joint Publications Research Service, Arlington, VA). 12 Jul 1973. 150p. NTIS $3.00; $1.45 (mf).
USSR;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY CONVERSION; THERMAL WATERS;BRINES;GEOCHEMISTRY;GEOTHERMAL FIELDS;REVIEWS

583 (N--70-38878, pp 22-3) Altfelder, K. Mar 1968.
Battelle Information No. 1.
DEVELOPING COUNTRIES;SOLAR ENERGY;GEOTHERMAL ENERGY;NUCLEAR POWER;WIND POWER;USES;ELECTRIC POWER

584 (UCID--16670) INTERNATIONAL ENERGY R AND D: A PICTURE COMPILED FROM OPEN SOURCES. Green, E.A. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 11 Feb 1975. Contract W-7405-eng-48. 153p. Dep. NTIS $10.75.
ENERGY;RESEARCH PROGRAMS;PETROLEUM;COAL RESERVES;COAL GASIFICATION;COAL LIQUEFACTION; COAL LIQUEFACTION;NUCLEAR POWER;OIL SHALES; AVAILABILITY;TRANSPORTATION SYSTEMS;ELECTRIC POWER;GEOTHERMAL ENERGY;HYDROGEN FUELS

585 EXPLORATION AND EXPLOITATION OF NATURAL HEAT IN ICELAND. Bull. Volcanol.; 23, Ser. 2: 241-50
ICELAND;GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS;MAGNETIC SURVEYS;GRAVITY SURVEYS; TEMPERATURE MEASUREMENT;GEOCHEMICAL SURVEYS; GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS

586 FUTURE OF A POWER PLANT IN THE DUTCH INDIES DRIVEN BY VOLCANIC STEAM. Van Bemmelen, R.W. Mijningenieur; 9: No. 5, 67-72(1928).
VOLCANIC REGIONS;NATURAL STEAM;BOREHOLES; POWER GENERATION;GEOTHERMAL RESOURCES;INDONESIA

587 NATURAL STEAM SPRINGS OF TUSCANY AND THEIR INDUSTRIAL EXPLOITATION. Conti, P.G.G. Roy. Soc. London, Arts J.; 81: 737-79(1933).
ITALY;GEOTHERMAL RESOURCES;NATURAL STEAM; USES;GEOTHERMAL POWER PLANTS

588 NATURE'S HEAT RESOURCES - THEIR POST-WAR UTILIZATION IN THERMAL REGIONS. Bruce, J.A. Dunedin, New Zealand; John McIndoe (1942). 40p.
NEW ZEALAND;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;USES;ICELAND;LARDERELLO GEOTHERMAL FIELD; POWER GENERATION;ELECTRIC POWER;NATURAL STEAM; SPACE HEATING;GEOTHERMAL POWER PLANTS

589 DECISIVE ITALIAN CONTRIBUTION TO THE EXPLOITATION (IN ITALY) OF THERMAL WATERS. Carlevaro, E. Geofis. Pura Appl.; 4: No. 1, 5-14(1942).
ITALY;HOT SPRINGS;GEOTHERMAL ENERGY; EXPLOITATION

590 THERMAL RESOURCES OF ROTORUA. Modriniak, N. N.Z. J. Sci. Tech.; 26: No. 5, Sec. B, 277-89(1945).
NEW ZEALAND;GEOTHERMAL WELLS;THERMAL WATERS; BOREHOLES;WELL LOGGING

591 INDUSTRIAL UTILIZATION OF GEOTHERMAL ENERGY. ITS CRITERIA IN RESEARCH WORK AND ITS AIMS IN ITALY. Ippolito, S. Rev. Geominer.; 8: No. 1, 31-8(1947).
ITALY;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;MAGMA;GASES;VOLCANIC REGIONS; INDUSTRY;USES;NATURAL STEAM;EARTH CRUST;GEOLOGY; GEOLOGICAL SURVEYS

592 RESEARCH CRITERIA FOR GEOTHERMAL SOURCES. Falini, F. Accad. Naz. Lincei Atti., Cl. Sci., Fis., Mat., Nat., Rend; 3: 360-365(1947).
ITALY;GEOTHERMAL RESOURCES;HOT SPRINGS; FUMAROLES;NATURAL STEAM;HYDROTHERMAL SYSTEMS

593 PRODUCTION OF ELECTRICAL ENERGY FROM ENDOGENETIC THERMAL SOURCES OF TATIO, ANTOFAGASTA PROVINCE. Bringhenti, P.; De Leva, M. Bol. Minero; No. 581, 502-9(1948).
CHILE;GEOTHERMAL RESOURCES;GEOLOGY; GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION;STEAM; GEOTHERMAL ENERGY;POWER POTENTIAL;GEOTHERMAL RESOURCES;AMMONIA;BORIC ACID;EL TATIO GEOTHERMAL FIELD

594 GEOPHYSICAL INVESTIGATION OF ROTORUA. Modriniak, N. N.Z. J. Sci. Tech.; 30: No. 1, Sec. B, 1-19(1948).
THERMAL WATERS;SPACE HEATING;NEW ZEALAND; MAGNETIC SURVEYS;ELECTRICAL SURVEYS;GEOTHERMAL FIELDS;GEOLOGIC FAULTS;HOT SPRINGS;IGNEOUS ROCKS;GEOLOGICAL SURVEYS;MAGMA;GEOPHYSICAL SURVEYS

595 DRILLING FOR STEAM. Kidson, A.L. Min. J. (London); 231: No. 5913, 944(18 Dec 1948).
NEW ZEALAND;GEOTHERMAL FIELDS;NATURAL STEAM; HOT-WATER SYSTEMS;BOREHOLES;GEOTHERMAL RESOURCES

596 GEOLOGY, VOLCANOLOGY, AND GEOPHYSICS. UTILIZATION OF GEOTHERMAL RESOURCES IN NEW ZEALAND. Healy, J. N. Z. Sci. Rev.; 7: No. 3-4, 29-32, 49-51(1949).
From 7. Pacific Science Congress; Auckland, New Zealand (Feb 1949).
NEW ZEALAND;GEOTHERMAL RESOURCES;HOT SPRINGS; VOLCANOES;CHEMICAL COMPOSITION;GEOTHERMAL FLUIDS;GEOLOGY;GEOPHYSICAL SURVEYS;GROUND WATER; GEOLOGIC FAULTS;USES;GEOTHERMAL ENERGY; TECTONICS

597 POSSIBILITY OF CREATING LARGE THERMO-ARTESIAN SOURCES. Claude, G.; Claude, A.G. Acad. Sci. - Compt. Rend.; 228: No. 14, 1209-10(4 Apr 1949).
THERMAL WATERS;GEOTHERMAL WELLS;USES

598 TEMPERATURE GRADIENTS IN CANADIAN SHIELD. Misener, A.D. Can. Min. Metall. Bull.; 42: No. 446, 280-7(Jun 1949).
CANADA;GEOTHERMAL GRADIENTS;HEAT FLOW;MINING

599 USE OF POWER FROM VOLCANIC ENERGY BEING EXPLORED IN WEST INDIES BY UNITED NATIONS EXPERT. Chem. Eng. News; 30: No. 10, 1012(1952).
VOLCANOES;WEST INDIES;GEOTHERMAL ENERGY; ELECTRIC POWER;POWER GENERATION;GEOTHERMAL

RESOURCES;PLANNING;POWER POTENTIAL

600 'VALLEY OF HELL' DRIVES 262,000 KW OF STEAM TURBINES - WITHOUT BOILERS. Thurston, T.G. Nat. Engr.; 56: 14-6(1952).
LARDERELLO GEOTHERMAL FIELD;PERFORMANCE; STEAM TURBINES;ELECTRIC POWER;POWER GENERATION; NATURAL STEAM;GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY;ITALY

601 THERMAL WATERS OF BANKS PENINSULA, CANTERBURY, NEW ZEALAND. Collins, B.W. pp 469-481 of Proceedings of 7th Congress of Pacific Science Association, New Zealand, 1949, Volume 2. New Zealand; Pacific Science Assoc. (1953).
From 7. Congress of Pacific Science Association; New Zealand (1949).
NEW ZEALAND;HOT SPRINGS;GEOTHERMAL ENERGY; POWER GENERATION;GEOTHERMAL RESOURCES

602 STUDY ON THE NATURAL STEAM IN JAPAN. Kondo, S.; Ando, T. J. Geog.; 62: No. 2(688), 51-8(1953). (In Japanese with English summary).
JAPAN;NATURAL STEAM;GEOTHERMAL EXPLORATION; RESERVES

603 RESEARCH ON ENDOGENOUS FORCES IN ITALY. Penta, F. Ind. Min.; 5: No. 1, 1-13(1954).
ITALY;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER GENERATION;ELECTRIC POWER;GEOTHERMAL FLUIDS;GEOLOGY;THERMAL WATERS;NATURAL STEAM

604 GEOTHERMAL ELECTRIC PLANT IN ITALY. Mitsuchi, T. J. Geog.; 63: No. 2, 60-6(1954). (In Japanese with English summary).
ITALY;GEOTHERMAL FIELDS;GEOLOGY;NATURAL STEAM;GEOTHERMAL POWER PLANTS;ELECTRIC POWER; POWER GENERATION;DEPTH;GEOTHERMAL EXPLORATION; ORIGIN;MAGMA

605 INVESTIGATIONS OF EXHALATIVE HYDROTHERMAL PHENOMENA AND THE PROBLEM OF 'ENDOGENOUS POWER'. Penta, F. Ann. Geofis. (Rome); 7: No. 3, 317-408(1954).
Italy. ITALY;GEOTHERMAL FIELDS;EXPLOITATION; NATURAL STEAM;POWER GENERATION;GEOTHERMAL POWER PLANTS;LARDERELLO GEOTHERMAL FIELD;THERMAL WATERS;BIBLIOGRAPHIES;ELECTRIC POWER;GEOTHERMAL ENERGY

606 DISTRIBUTION OF NATURAL WATER VAPOR UNDER THE GROUND. Kondo, S. Jour. Geog.; 63: No. 4, 201-208(1954).
JAPAN;NATURAL STEAM;UNDERGROUND

607 HEAT FROM THE WAIRAKEI-TAUPO THERMAL REGION CALCULATED FROM THE CHLORIDE OUTPUT. Ellis, A.J.; Wilson, S.H. N. Z. J. Sci.; 36: No. 6, Sec. B, 622-31(1955).
WAIRAKEI GEOTHERMAL FIELD;HEAT;ENERGY YIELD; CHLORIDES;HOT SPRINGS;BOREHOLES

608 INTRODUCTION. Grange, L.I. pp 9-15 (Chap. 1) of Geothermal steam for power in New Zealand (Bull. 117). Grange, L.I. (comp.). Wellington, N.Z.; N.Z. Dept. Sci. Indust. Res. (1955).
WAIRAKEI GEOTHERMAL FIELD;POWER POTENTIAL; ELECTRIC POWER;NEW ZEALAND;GEOTHERMAL EXPLORATION

609 STUDIES OF SUBTERRANEAN HEAT. Japan Geol. Surv. Bull.; 6: No. 10, 551-626(1955).
JAPAN;GEOTHERMAL RESOURCES;EXPLOITATION; UNDERGROUND

610 NATURAL STEAM IN NEW ZEALAND. Pet. Times; 59: No. 1515, 907(2 Sep 1955).
NEW ZEALAND;GEOTHERMAL RESOURCES;NATURAL STEAM;WELL DRILLING;TEMPERATURE DISTRIBUTION; CORROSION;GEOTHERMAL WELLS;PERFORMANCE

611 UTILIZATION OF THE HEAT OF THE EARTH'S DEPTHS. Swiatlowskij, A.E. Z. Angew. Geol.; 2: No. 11-12, 554-5(1956).
World-wide power potential. GEOTHERMAL ENERGY;POWER POTENTIAL;VOLCANIC REGIONS;USSR; EXPLORATION;GEOTHERMAL RESOURCES

612 FIRST ALL UNION CONFERENCE ON GEOTHERMAL INVESTIGATIONS IN THE USSR. Lyubimova, E.A. Akad. Nauk SSSR Izv., Ser. Geofiz.; No. 7, 874-6(1956).
USSR;GEOTHERMAL RESOURCES;USES;HOT SPRINGS; SPACE HEATING;POWER GENERATION;VOLCANIC REGIONS; GEOTHERMAL GRADIENTS;AGRICULTURE

613 POWER PROBABILITIES. Davenport, A.E. N. Z. Sci. Rev.; 14: No. 7, 88-92(1956).
NEW ZEALAND;THERMAL POWER PLANTS;GEOTHERMAL POWER PLANTS;POWER TRANSMISSION LINES

614 UTILIZATION OF GEOTHERMAL HEAT IN NEW ZEALAND. Cooke, W.L. J. Inst. Heat. Vent. Engr.; 24: 297-306(1956).
NEW ZEALAND;GEOTHERMAL RESOURCES;USES;SPACE HEATING;EXPLOITATION;GEOTHERMAL ENERGY;DISTRICT HEATING

615 GEOGRAPHY OF POWER RESOURCES IN THE WAIKATO REGION. Farrell, B.H. N.Z. Geog.; 12: No. 2, 133-54(1956).
COAL;GEOTHERMAL RESOURCES;NATURAL STEAM; EXPLOITATION;NEW ZEALAND;WATER;ENERGY SOURCES

616 GEOTHERMAL STEAM FOR POWER IN NEW ZEALAND. Heat. Air. Treat. Engr.; 19: vp(1956). (UCRL--5298).
NEW ZEALAND;POWER GENERATION;NATURAL STEAM; VOLCANIC REGIONS;GEOTHERMAL RESOURCES;NUCLEAR POWER PLANTS;HEAVY WATER;PRODUCTION

617 UTILIZATION OF GEOTHERMAL ENERGY. Charrin, V. Chaleur Indust.; 37: 286-90(1956). (UCRL--5298).
GEOTHERMAL RESOURCES;ICELAND;ITALY;FRANCE; LARDERELLO GEOTHERMAL FIELD;GEYSERS; EXPLOITATION

618 DISTRIBUTION OF NATURAL STEAM UNDER THE GROUND IN JAPAN. Kondo, S. Jour. Geog.; 65: No. 3, 111-117(1956).
JAPAN;NATURAL STEAM;UNDERGROUND;GROUND WATER; ROCKS;GEOLOGIC FAULTS;HOT SPRINGS;HYDROTHERMAL SYSTEMS

619 GEOTHERMAL POWER. Grindley, G.W. Science in New Zealand. (Handbook). Australian, New Zealand Assoc. Adv. Sci. (1957).
NEW ZEALAND;VOLCANIC REGIONS;GROUND SUBSIDENCE;GEOTHERMAL FIELDS;NATURAL STEAM; GEOLOGIC FAULTS;GEOLOGIC FISSURES;GEOTHERMAL ENERGY;ELECTRIC POWER;POWER GENERATION; GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES

620 NEW ZEALAND THERMAL AREA AD ITS DEVELOPMENT FOR POWER PRODUCTION. Banwell, C.J. N. Z. J. Geol. Geophys.; 3: No. 1, 109-10(1957).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION;BOREHOLES;WELL DRILLING;NATURAL STEAM;THERMAL WATERS;HEAT;POWER POTENTIAL; ENTHALPY;HEAT;ENERGY YIELD;GEOTHERMAL WELLS; GEOLOGY;GEOPHYSICAL SURVEYS

621 PRODUCTION AND UTILIZATION OF GEOTHERMAL STEAM. Smith, J.H. N.Z. Engr.; 13: No. 10, 354-75(1958).
WAIRAKEI GEOTHERMAL FIELD;NATURAL STEAM; POWER GENERATION;GEOTHERMAL WELLS;BOREHOLES; GEOTHERMAL EXPLORATION;GEOLOGY;CORROSION; PRECIPITATION;USES;WELL DRILLING;NEW ZEALAND

622 DEVELOPMENT OF RESEARCH STUDIES ON MINERAL AND THERMAL WATERS IN THE USSR. Fomin, M. Razved. Okhr. Nedr; 8: 38-42(1958). (French translation).
USSR;THERMAL WATERS;MINERAL RESOURCES;HOT SPRINGS;GEOTHERMAL EXPLORATION

623 UNDERGROUND WATER AS A SOURCE OF THERMAL ENERGY. Miroshnikov, L.D. Priroda; No. 9, 89-91(1958).
USSR;HYDROTHERMAL SYSTEMS;GEOTHERMAL RESOURCES;THERMAL WATERS;USES

624 THERMAL WATERS OF KAMCHATKA AND THE PROBLEM OF THEIR UTILIZATION. Tolstikhin, O.N. Sov. Geol.; No. 2, 109-33(1958).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; ARTESIAN BASINS;GEOLOGIC FAULTS;VOLCANOES;HOT SPRINGS;EXPLOITATION

625 GEOTHERMAL CONDITIONS IN THE ONIKOBE BASIN, MIYAGI PREFECTURE, JAPAN. Nakamura, H. Jap. Assoc. Mineralogists, Petrologists, Econ. Geologists J.; 43: No. 3, 158-66(1959). (Japanese summary).
JAPAN;GEOTHERMAL RESOURCES;FUMAROLES;HOT SPRINGS;GEOTHERMAL EXPLORATION;ROCKS;GROUND WATER;TUFF;NATURAL STEAM

626 EMISSIONS OF STEAM ON KUNASHIRI ISLAND (HOT BEACH). Markhinin, Ye.K. Akad. Nauk SSSR, Lab. Vulkanol., Byull. Vulkanol. Sta.; No. 28, 33-42(1959).
USSR;HOT SPRINGS;NATURAL STEAM;GASES;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;GEOLOGY;GEOTHERMAL ENERGY;SPACE HEATING;BALNEOLOGY;GEOTHERMAL RESOURCES

627 UNDERGROUND WATERS ARE SOURCE OF HEAT ENERGY. Makarenko, F.A. Curr. Sci. (India); 28: No. 3, 104-5(1959).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; DISTRICT HEATING;SPACE HEATING;EXPLOITATION; GEOTHERMAL ENERGY;AGRICULTURE;DESALINATION

628 HELIUM AND HOT SPRING INVESTIGATION PROGRESS REPORT. James, T.C. Tanganyika Geol. Surv. Rec.; 7: 64(1959).
AFRICA;HOT SPRINGS;HELIUM;SALINITY;FLOW RATE; VOLCANIC REGIONS;NATURAL STEAM;EXPLOITATION; THERMAL WATERS;CHEMICAL COMPOSITION

629 ELECTRICITY FROM GEOTHERMAL STEAM. Wheatcroft, E.L.E. J. Inst. Elec. Engrs.; 5: No. 50, 83-7(Feb 1959).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;PLANNING;USES;POWER GENERATION;ELECTRIC POWER;NEW ZEALAND

630 GEOTHERMAL ENERGY. El Salvador, Serv. Geol. Nac., Info.; No. 1, 268p.(1960).
EL SALVADOR;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;DATA COMPILATION;BIBLIOGRAPHIES; ECONOMICS;MAPS;THERMAL WATERS;CHEMICAL COMPOSITION;EXPLOITATION;FUMAROLES

631 PROBLEMS OF USING VOLCANIC THERMAE OF THE KURILE--KAMCHATKA ISLAND ARC FOR POWER. Averyev, V.V.; Ivanov, V.V.; Piyp, B.I. Bull. Volcanol.; 23, Ser. 2: 257-63(1960).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; PAUZHETSK GEOTHERMAL FIELD;WELL DRILLING; CHEMICAL COMPOSITION;BOREHOLES;VOLCANIC REGIONS

632 HOT SPRINGS AND GEOTHERMAL RESOURCES OF FIJI. Healy, J. New Zealand Dept. Sci. Indus. Res. Bull.; No. 136, 77p.(1960).
FIJI;GEOTHERMAL RESOURCES;HOT SPRINGS;MAGMA; MAPS;ENERGY YIELD;CONNATE WATER;METEORIC WATER; HYDROLOGY;HEAT

633 UTILIZATION OF GEOTHERMAL STEAM IN NEW ZEALAND. Vos, J. Ingenieur (Utrecht); 72: No. 29, M57-62(15 Jul 1960).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION;NEW ZEALAND;GEOTHERMAL POWER PLANTS; NATURAL STEAM;USES;PRODUCTION;GEOPHYSICAL SURVEYS;WELL DRILLING

634 HEAT OF THE EARTH'S INTERIOR. Dzhamalov, S.A. Priroda; No. 6, 74-6(1961).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; COST;GEOTHERMAL ENERGY;BOREHOLES;USES

635 GEOTHERMAL STEAM AS A SOURCE OF ENERGY AND ITS DEVELOPMENT AND UTILIZATION. English, E.F. New York; ASME, Power Div. Mtg. (1961). 10p.
GEOTHERMAL RESOURCES;NATURAL STEAM; GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY;USES; REVIEWS;OPERATION

636 ESTIMATION OF THE RESOURCES OF UNDERGROUND THERMAL WATERS OF SAKHALIN ISLAND AND POSSIBILITIES OF USING THEM AS A SOURCE OF HEAT. Shteyn, M.A. Akad. Nauk SSSR, Siber. Otdel., Sakhalin. Kompleks., Nauchno-Issled. Inst. Tr.; No. 12, 150-61(1962).
USSR;THERMAL WATERS;SPACE HEATING;GEOLOGY; BOREHOLES

637 VALLEY OF THE GEYSERS. Gorshkov, G.S.; Zelenov, K.K. Priroda; No. 11, 65-75(1962).
Kamchatka. GEYSERS;USSR

638 VOLCANOES AND ELECTRIC POWER PLANTS. Svyatlovskiy, A.E. Znanie Geol. Geog.; No. 16, Ser. 12, 32p.(1962).
VOLCANIC REGIONS;GEOTHERMAL FIELDS; GEOTHERMAL ENERGY;EXPLOITATION;ELECTRIC POWER; POWER GENERATION;USSR;ITALY;ARTESIAN BASINS; GEOTHERMAL RESOURCES;VOLCANOES

639 THERMAL WATERS OF CENTRAL AND EASTERN CIS-CAUCASIA. Kissin, I.G. Razved. Okhr. Nedr; No. 7, 43-7(Jul 1962).
USSR;THERMAL WATERS;GEOTHERMAL GRADIENTS; CHEMICAL COMPOSITION;MINERALS;ABUNDANCE;USES; POWER POTENTIAL;SPACE HEATING;GEOTHERMAL ENERGY

640 UTILIZATION OF THE SUBSURFACE HEAT OF THE EARTH. Nurshanov, V.A. Gas. Prom.; No. 8, 52-3(1963). (In English).
GEOTHERMAL ENERGY;EXPLOITATION;USES;THERMAL WATERS;NATURAL STEAM;INDUSTRIAL PLANTS

641 HEAT OF THE EARTH. Lebedev, T.S.; Korniyets, D.V. Akad. Nauk USSR (1963). 63p.
Surface manifestations and possible uses. GEOTHERMAL ENERGY;HOT SPRINGS;GEYSERS;VOLCANOES; USES;USSR;EXPLOITATION;THERMAL WATERS

642 THERMAL WATERS OF THE USSR AND PROBLEMS OF THEIR USE AS THERMAL ENERGY. Makarenko, F.A. (ed.). Moscow; Akad. Nauk SSSR Lab. Gridrogeol. Problem (1963). 292p.
USSR;THERMAL WATERS;ECONOMICS;USES; GEOTHERMAL RESOURCES

643 INVESTIGATION OF NATURAL STEAM RESOURCES IN THE REGION OF TATIO. Vergara M., R. Minerals; 18: No. 82, 13-25(1963).
CHILE;GEOTHERMAL RESOURCES;NATURAL STEAM; GEOPHYSICAL SURVEYS;ELECTRIC POWER;EL TATIO GEOTHERMAL FIELD;BY-PRODUCTS

644 THERMAL WATERS IN THE USSR. Makarenko, F.A.; Mavritsky, B.F. Int. Geol. Rev.; 7: No. 8, 1387-96(1963).
USSR;THERMAL WATERS;GEOTHERMAL ENERGY;USES; GEOTHERMAL POWER PLANTS;POWER POTENTIAL; GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS;CHEMICAL COMPOSITION

645 RESULTS OF EXPLORATORY WORKS IN REGION OF PAUZHETKA. Plotnikov, N.I.; Shal'yan, A.S.; Sobolev, I.I.; Volynets, N.P. Razved. Okhr. Nedr; No. 8, 39-46(Aug 1963).
PAUZHETSK GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION;THERMAL WATERS;GROUND WATER;POWER POTENTIAL;GEOTHERMAL POWER PLANTS;GEOPHYSICAL SURVEYS;MAGNETIC SURVEYS;ELECTRICAL SURVEYS; GEOCHEMICAL SURVEYS;BOREHOLES;CHEMICAL COMPOSITION;COST;ELECTRIC POWER;NATURAL STEAM; GEOLOGICAL SURVEYS

646 SOVIETS EYE GEOTHERMAL DEVELOPMENT. Oil Gas J.; 62: No. 30, 122-4(1964).
USSR;HUNGARY;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;THERMAL WATERS;NATURAL STEAM;POWER POTENTIAL

647 VEGARDO THERMAL LINE. Frits, J. Magy. Alla. Foldt. Int. Evi Jelentese 1961; Pt. 1: 505-14(1964). (English and Russian summaries).
THERMAL WATERS;HUNGARY;TUFF;KAOLIN;VOLCANIC REGIONS;ORIGIN;HYDROTHERMAL ALTERATION

648 THEORETICAL PROBLEMS CONNECTED WITH THE USE OF THERMAL WATERS IN THE TERSKO SUNZHENSK REGION. Sergiyenko, S.I. Gidrogeoterm. Usloviya Verkhn. Chastei Zemnoi Kory, Akad. Nauk SSSR, Geol. Inst.; 1964: 142-53(1964).
THERMAL WATERS;USES;USSR;BUILDINGS;SPACE HEATING;GEOTHERMAL ENERGY

649 HIGH-TEMPERATURE WATERS OF THE SOUTHEASTERN CASPIAN REGION AND GEOLOGIC CONDITIONS OF THEIR FORMATION. Shcherbakov, A.V. Gidrogeoterm. Usloviya Verkhn. Chastei Zemnoi Kory, Akad. Nauk SSSR, Geol. Inst.; 1964: 154-63(1964).
USSR;THERMAL WATERS;BRINES;GEOTHERMAL ENERGY; SPACE HEATING;FLOW RATE;GEOLOGIC FAULTS; GEOTHERMAL WELLS;PERFORMANCE

650 BOL'SHIE BANNYYE SPRINGS IN THE KAMCHATKA. Kononov, V.I.; Polyak, B.G. Gidrogeoterm. Usloviya Verkhn. Chastei Zemnoi Kory, Akad. Nauk SSSR, Geol. Inst.; 1964: 52-71(1964).
7.2 X 10^{21} ergs/yr or 23,400 kW energy resources. USSR;GEOTHERMAL RESOURCES;HOT SPRINGS;TEMPERATURE MEASUREMENT;EXPLOITATION; ELECTRIC POWER;POWER POTENTIAL;GEOTHERMAL ENERGY

651 SOURCE OF HEAT IN A DEEP ARTESIAN AQUIFER, BAHIA BLANCA, ARGENTINA. Schoff, S.L.; Salso, J.H.; Garcia, J. pp 153-7 of Geological Survey research. Professional Paper 501-D. Washington, DC; US Geological Survey (1964).
ARTESIAN BASINS;GEOTHERMAL GRADIENTS; AQUIFERS;ARGENTINA;GEOTHERMAL WELLS

652 THERMAL WATER RESEARCH AND THE GEOTHERMAL GRADIENT. Schmidt, E.R. Magy. Allami Foldt. Int. Evi Jelentese; 1962: 547-53(1964).
HUNGARY;GEOTHERMAL WELLS;GEOTHERMAL GRADIENTS;THERMAL WATERS;TEMPERATURE GRADIENTS; GEOLOGIC DEPOSITS;AGE ESTIMATION;DATA

653 GROUND WATERS - A VAST SOURCE OF THERMAL ENERGY. Sukharev, G.M. Moscow; Izdatel'stvo ''Nedra'' (1964). 49p.
GROUND WATER;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;THERMAL WATERS;USSR;CHEMICAL COMPOSITION;GEOTHERMAL EXPLORATION;USES;FRESH WATER

654 GEOTHERMAL ENERGY IN MEXICO. De Anda, L.F.; Septien, J.I.; Elizondo, J.R. pp 149-65 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
MEXICO;GEOTHERMAL ENERGY;GEOTHERMAL FIELDS; PATHE GEOTHERMAL FIELD;GEOTHERMAL GRADIENTS;HOT SPRINGS;GEOTHERMAL EXPLORATION;HYDROTHERMAL SYSTEMS;VOLCANIC REGIONS;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS

655 INVESTIGATIONS FOR GEOTHERMAL POWER AT WAIOTAPU, NEW ZEALAND. Dench, N.D. pp 179-93 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
Deep borehole temperature of 295°C max. NEW ZEALAND;GEOLOGICAL SURVEYS;ELECTRIC POWER;POWER GENERATION;STEAM;HYDROTHERMAL SYSTEMS;HEAT FLOW; BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL EXPLORATION;WAIOTAPU GEOTHERMAL FIELD;HOT-WATER SYSTEMS

656 HYPERTHERMAL WATERS OF PAUZHETSK, KAMCHATKA, AS A SOURCE OF GEOTHERMAL ENERGY. Piyp, B.I.; Ivanov, V.V.; Averyev, V.V. pp 339-46 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
USSR. USSR;GEOTHERMAL EXPLORATION;VOLCANIC REGIONS;THERMAL WATERS;TEMPERATURE GRADIENTS;

GEOLOGICAL SURVEYS;ELECTRICAL SURVEYS;MAGNETIC SURVEYS;GEOCHEMICAL SURVEYS;GEOTHERMAL RESOURCES;PAUZHETSK GEOTHERMAL FIELD; GEOPHYSICAL SURVEYS

657 KNOWN GEOTHERMAL FIELDS IN JAPAN. Saito, M. pp 367-72 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
Showashizan, Onikobe, and Matsukawa areas. JAPAN;GEOTHERMAL RESOURCES;HOT SPRINGS; GEOTHERMAL FIELDS;GEOLOGY;GEOTHERMAL EXPLORATION;MAPS

658 GEOTHERMAL HEATING FOR INDUSTRIAL PURPOSES IN ICELAND. Lindal, B. pp 471-5 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
ICELAND;GEOTHERMAL ENERGY;HEATING;INDUSTRY; USES;DRYING

659 PRELIMINARY INVESTIGATION OF THE RABAUL GEOTHERMAL AREA FOR THE PRODUCTION OF ELECTRIC POWER. Fooks, A.C.L. pp 230-6 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
NEW GUINEA;ISLANDS;GEOTHERMAL FIELDS; VOLCANOES;NATURAL STEAM;THERMAL WATERS;HOT SPRINGS;GEOLOGY;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;GEOTHERMAL RESOURCES;PLANNING

660 GROUND WATERS - VAST SOURCE OF THERMAL ENERGY. Sukharev, G.M. Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo ''Nedra'' (1964). 49p.
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; NATURAL STEAM;GEOTHERMAL POWER PLANTS;SPACE HEATING;USES;GREENHOUSES;AGRICULTURE;GROUND WATER;PROSPECTING;GEOTHERMAL EXPLORATION; VOLCANIC REGIONS;GROUND WATER;CHEMICAL COMPOSITION

661 SAN JACINTO FAULT AND ITS INFLUENCE ON GEOTHERMAL ACTIVITY IN THE MEXICALI VALLEY, B.C., MEXICO. De Anda, L.F.; Paredes, E. Asoc. Mexicana Geol. Petrol. Bol.; 16: No. 7-8, 179-81(1964).
MEXICO;GEOTHERMAL FIELDS;GEOLOGIC FAULTS; CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL WELLS; PERFORMANCE;GEOTHERMAL POWER PLANTS;POWER GENERATION;GEOLOGY;GEOTHERMAL ENERGY;ELECTRIC POWER

662 THERMAL SPRINGS IN THE MEXICAN REPUBLIC, OR, THERMAL SOURCES IN THE MEXICAN REPUBLIC. Alonso Espinosa, H.; De Anda, L.F.; Mooser, F. Asoc. Mexicana Geol. Petrol. Bol.; 16: No. 7-8, 145-51(1964). (English abstract).
Quaternary volcanism. MEXICO;HOT SPRINGS; THERMAL WATERS;TEMPERATURE MEASUREMENT;GEOLOGIC DEPOSITS

663 REVIEW OF GEOTHERMAL ACTIVITY IN EL SALVADOR. Durr, F. pp 201-3 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964).
Quaternary volcanism. EL SALVADOR;GEOTHERMAL RESOURCES;VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS; GEOTHERMAL EXPLORATION;HEAT FLOW;BOREHOLES; NATURAL STEAM

664 PROGRESS REPORT ON RECENT DEVELOPMENTS OF GEOTHERMAL ENERGY AND VOLCANOLOGY IN MEXICO. Mooser, F. Bull. Volcanol.; 28: 69-73(1965).
MEXICO;GEOTHERMAL FIELDS;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;PILOT PLANTS;GEOTHERMAL ENERGY;VOLCANIC REGIONS; GEOTHERMAL WELLS;DRILLING;CERRO PRIETO GEOTHERMAL FIELD;PATHE GEOTHERMAL FIELD

665 FRENCH INVESTIGATION OF GEOTHERMAL ENERGY IN GUADELOPE. Goguel, J. pp 68-9 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
FRANCE;GEOTHERMAL RESOURCES;HOT SPRINGS; ISLANDS;COST

666 DEVELOPMENT OF GEOTHERMAL STEAM AT OTAKE. Hayashida, T. pp 78 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
OTAKE GEOTHERMAL FIELD;POWER GENERATION; GEOTHERMAL FLUIDS;GEOTHERMAL WELLS;FUMAROLES; THERMAL WATERS;HOT SPRINGS;FLASHING;HOT-WATER SYSTEMS

667 TERRESTRIAL HEAT AND GEOTHERMAL RESOURCES IN HUNGARY. Boldizsar, T. pp 24-5 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
HUNGARY;GEOTHERMAL RESOURCES;HEAT FLOW; GEOLOGY

668 ECONOMIC GEOLOGY OF THE AMBATO-FINANDRAHANA SUBPREFECTURE, MALAGASY REPUBLIC. Besairie, H. Unknown; Malagasy Republique Serv. Geol. Rap. Ann. (1965). 49p.
MADAGASCAR;MINERALS;HOT SPRINGS;EXPLOITATION; ORES;BUILDING MATERIALS;MINERAL RESOURCES

669 INVESTIGATIONS INTO THERMAL WATER RECHARGE IN REPRESENTATIVE BASIN. Belteky, L. Int. Geod. and Geophys. Union., Sec. for Sci. Hydrol. Publ.; 1: No. 66, 247-51(1965).
HUNGARY;THERMAL WATERS;EFFICIENCY;PRESSURE GRADIENTS;PROSPECTING

670 GEOTHERMAL UTILIZATION. Hayakawa, M. Volcanol. Soc. Jap., Bull.; 10: 197-204(1965).
JAPAN;GEOTHERMAL ENERGY;EXPLOITATION

671 GEOTHERMAL INVESTIGATION IN SARR BASIN. Huckel, B.; Kappelmeyer, O. Deut. Geol. Ges., Z.; 117: No. 1, 280-311(1965).
GERMAN FEDERAL REPUBLIC;GEOTHERMAL ENERGY

672 RECENT DEVELOPMENT OF GEOTHERMAL ENERGY. Facca, G. Acad. Roy. Sci. Outre-Mer. Bull. Seances; No. 3, 787-811(1965).
World-wide exploration and uses during 1961-1964. GEOTHERMAL ENERGY;REVIEWS;GEOTHERMAL EXPLORATION;USES;GEOTHERMAL FIELDS;GEOTHERMAL WELLS;CALIFORNIA

673 HITAVEITA REYKJAVIKUR - CLAIMED TO BE WORLD'S GREATEST GEOTHERMAL INSTALLATION. Finell, K. Tek. Forum; No. 1, 5-8(27 Jan 1965).
ICELAND;THERMAL WATERS;PUMPS;WATER RESERVOIRS

674 THERMAL WATERS OF THE KURILE ISLANDS.

Sidorov, S.S. pp 211-18 of Sovre Mennyyvulkanism (Vses. Vulkanol. Soveschaniya, 2nd, Yerevan, 1964, Trudy, Volume 1). Yerevan; Tr. Vses. Vulkanol. Soveshchaniya (1966).
From 2. Tr. Vses. Vulkanol. Soveshchaniya; Yerevan (1964).
Conditions of formation and related mineralization. USSR;ISLANDS;THERMAL WATERS;HOT SPRINGS;MINERALIZATION;FUMAROLES;CHEMICAL COMPOSITION;ORGANIC ACIDS;HYDROGEN SULFIDES; CARBON DIOXIDE

675 SUMMARY REVIEW OF GEOPHYSICAL STUDIES ON NORBORIBETSU HOT SPRING IN HOKKAIDO. Fukutomi, T. Balneol. Soc. Jap. J.; 16: No. 2, 51-9(1966). (In Japanese).
JAPAN;HOT SPRINGS;THERMAL WATERS;GEOPHYSICS; FLOW RATE;TEMPERATURE GRADIENTS;HEAT FLOW; GEOPHYSICAL SURVEYS

676 GEOTHERMAL ZONE OF THE CERRO PRIETO, BAJA CALIFORNIA. Alonso Espinosa, H. Soc. Geol. Mex. Boll.; 29: No. 1, 17-47(1966).
CERRO PRIETO GEOTHERMAL FIELD;GRAVITY SURVEYS;SEISMIC SURVEYS;EXPLOITATION;GEOLOGIC FAULTS;POWER POTENTIAL;BOREHOLES;INORGANIC COMPOUNDS;RECOVERY;WELL DRILLING

677 MINERALS OF KENYA. Du Bois, C.G.B. Kenya Geological Survey Bulletin No. 8. Kenya; Kenya Geol. Surv. (1966). 187p.
KENYA;MINERALS;ORES;NATURAL STEAM;MAPS; MINERALOGY

678 POSSIBILITIES FOR DEVELOPMENT OF THERMAL WATER RESOURCES IN HUNGARY. Belteky, L. Vizugyi Kozlemenyek; No. 2, 165-93(1966).
HUNGARY;THERMAL WATERS;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;GEOTHERMAL RESOURCES

679 FEATURES OF THE GEOTHERMAL REGIME OF THE SOVIET CARPATHIANS. Kutas, R.I. Akad. Nauk Ukr. SSR Mezhduvelomstv. Geofiz. Kom., Info. Byull. Geofiz. Astron.; No. 11, 3-17(1967). (English summary).
USSR;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS; GEOLOGICAL SURVEYS;GEOMORPHOLOGY

680 RESEARCH PROGRAMS ON THE EXPLOITATION OF ENDOGENOUS ENERGY SOURCES - ACTIVITIES CARRIED OUT IN 1966. Consiglio Nazional. Ricerch., Recerca Sci. Quad.; 37: No. 7-8, 703-71(1967). (English abstract).
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;ITALY; GEOTHERMAL RESOURCES;HEAT FLOW;THERMODYNAMICS; GEOTHERMAL EXPLORATION;GEOCHEMISTRY; HYDRODYNAMICS

681 SOME ASPECTS OF THE FORMATION OF THERMAL WATERS AND PROSPECTS OF USING THEM. Mavritskiy, B.F. Sov. Geol.; No. 11, 134-48(1967).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; USES;DISTRIBUTION;HYDROLOGY;GEOLOGY;ORIGIN

682 THERMAL WATERS OF THE GEORGIAN SSR, THEIR RESOURCES AND PRACTICAL UTILIZATION. Chubinidze, Sh.R. pp 134-8 of Regional geothermy and distribution of thermal water in USSR. Moscow; Izdatel'stvo Nauka (1967).
From 2. Tr. Soveshchaniya Geoterm. Issled. SSSR; Moscow (1964).
USSR;THERMAL WATERS;GEOTHERMAL RESOURCES; SUPERHEATING;METEORIC WATER;USES

683 THERMAL SPRINGS OF NEW ZEALAND. Koga, A. Onsen Kagaku; 18: No. 2, 84-95(1967). (In Japanese).
NEW ZEALAND;HOT SPRINGS;SUPERHEATED STEAM

684 MAIN PROBLEMS OF THE GEOLOGICAL ORGANIZATIONS WITH RESPECT TO THE FUTURE STUDY OF THERMAL WATERS IN THE USSR. Fomin, V.M. pp 20-5 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR; Moscow (1964).
USSR;THERMAL WATERS;GEOTHERMAL RESOURCES; RESEARCH PROGRAMS;RESERVES;USES

685 THERMAL WATERS OF THE NORTH CAUCASUS AND PROBLEMS OF THEIR PRACTICAL UTILIZATION. Khrebtov, A.I. pp 91-4 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR, Tr.; Moscow (1964).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; EXPLOITATION;GREENHOUSES;SPACE HEATING;POWER POTENTIAL

686 HYDROGEOTHERMAL CONDITIONS OF THE CHUKCHI PENINSULA AND POSSIBLE USES OF ITS HYDROTHERMAL RESOURCES. Stremyakov, A. Ya. Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Moscow; Sovveshch. Geoterm. Issled. SSSR, 2nd, Tr. (1967).
USSR;HYDROTHERMAL SYSTEMS;GEOTHERMAL RESOURCES;AQUIFERS;FLOW RATE;HOT SPRINGS;USES; PLANNING

687 THERMOMINERAL SPRINGS OF TURKEY AND THE STUDY OF GEOTHERMAL ENERGY. Erentoez, C.; Ternek, Z. Turkey Mineral Research and Explor. Inst. Bull.; No. 70, 1-59(1968). (In French).
HOT SPRINGS;MINERALS;TURKEY;GEOTHERMAL ENERGY;TECTONICS;NATURAL STEAM;GEOTHERMAL RESOURCES;TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION;THERMAL WATERS

688 NATURAL STEAM FOR POWER. Pamphlet. Washington, DC; US Geological Survey (1968). GPO.
NATURAL STEAM;GEOTHERMAL RESOURCES; EXPLOITATION;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;SITE SELECTION

689 WAIRAKEI AND LARDERELLO GEOTHERMAL POWER SYSTEMS COMPARED. James, R. N. Z. J. Sci.; 11: No. 4, 706-19(1968).
WAIRAKEI GEOTHERMAL FIELD;LARDERELLO GEOTHERMAL FIELD;COMPARATIVE EVALUATIONS; ECONOMICS;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS

690 GEOTHERMAL ENERGY IN MEXICO (IN GEOLOGY AND UTILIZATION OF GEOTHERMIC ENERGY AT PATHE, STATE OF HIDALGO). Alonso Espinosa, H. Guidebook, Field Trip No. 6. Mexico City; United States of America (USA); Geological Society of America (1968). 15p.
MEXICO;GEOTHERMAL EXPLORATION;GEOLOGY; DRILLING;GEOPHYSICS;GEOTHERMAL RESOURCES; GEOPHYSICAL SURVEYS;GEOLOGICAL SURVEYS

691 GEOTHERMAL FIELDS ON THE USSR TERRITORY. Makarenko, F.A.; Polyak, B.G.; Smirnov, Ya.B. pp 43-8 of 23rd International Geological

Congress, Prague, Czechoslovakia, Doklady, Sovert. Geol., Problema 5. Int. Geol. Congress (1968).
From 23. International Geological Congress; Prague, Czech.
USSR;GEOTHERMAL FIELDS;REVIEWS

692 THERMAL WATER POSSIBILITIES OF HUNGARY. Karacsonyi, A.; Scheuer, J. Z. Angew. Geol.; 14: No. 6, 327-9(1968).
HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS; AQUIFERS;HEAT FLOW

693 GEOTHERMAL ENERGY - THE WORLD'S MOST UNDERDEVELOPED RESOURCE. Driller; 42: No. 11, 24-9(1968).
GEOTHERMAL ENERGY;THERMAL WATERS;GEOTHERMAL WELLS;HOT SPRINGS;GEOLOGY;EXPLOITATION;USES; HEAT;GEOTHERMAL RESOURCES;BELGIUM

694 CALCULATION OF COMMERCIAL RESERVES OF THERMAL WATER IN A PRESSURIZED SYSTEM, WITH EXAMPLES FROM THE CAUCASIAN FORELAND. Polevoy, S.L.; Kovshov, I.P. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 10, 79-85(1968).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; GEOPRESSURED SYSTEMS;RESERVES

695 THERMAL WATER POSSIBILITIES OF HUNGARY. Karacsonyi, A.; Scheuer, J. Z. Angew. Geol.; 14: No. 6, 327-329(1968).
HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS; HYDROLOGY;GEOLOGY;AQUIFERS

696 STUDY FOR THE GEOTHERMAL DEVELOPMENT OF NORTHERN CHILE. Lahsen A., A. Geochile; 1: No. 1, 33-36(1968).
CHILE;GEOTHERMAL RESOURCES

697 GEOTHERMAL ENERGY AND RESOURCES. Whiting, R.L. Oil Gas Compact Bull.; 27: No. 1, 15-21(1968).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; EXPLOITATION;LARDERELLO GEOTHERMAL FIELD;ITALY; NEW ZEALAND;GEOTHERMAL ENERGY

698 EXPLOITATION OF GEOTHERMAL WATER. Smith, J.H. Int. Conf. Water Supply Tech.; 3: 1-19(1968).
THERMAL WATERS;NATURAL STEAM;USES;WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL ENERGY;NEW ZEALAND

699 STUDY OF THE VOLCANOES OF THE KURILE-KAMCHATKA ARC. Gorshkov, G.S. Vestn. Akad. Nauk SSSR; No. 3, 90-3(1968).
Review of Soviet achievement in volcanology.
USSR;VOLCANOES;FUMAROLES;HYDROTHERMAL SYSTEMS; GEOTHERMAL ENERGY;RESEARCH PROGRAMS;REVIEWS

700 GEOLOGY OF THE PANNONICUM (OIL- AND HYDROGEOLOGY OF THE BASIN FILLINGS). Kertai, G. 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Guide Exc. 42C. Prague; Czechoslovakia; Int. Geol. Cong. (1968). 58p.
CZECHOSLOVAKIA;GEOTHERMAL RESOURCES; STRATIGRAPHY;PETROLEUM;NATURAL GAS;RESERVES; GROUND WATER;GEOLOGY

701 GROUND WATER AND MINERAL WATERS OF CZECHOSLOVAKIA. Myslil, V.; Franko, O. Int. Geol. Congr., 23rd Sess., Prague, No. 21 AC. Prague; Czechoslovakia; Geol. Surv. Czech. (1968). 51p.
CZECHOSLOVAKIA;WATER RESOURCES;AQUIFERS; THERMAL WATERS;MINERALS

702 SOVIETS PUSH GEOTHERMAL DEVELOPMENT RIGHT ALONG WITH OIL AND GAS. Oil Gas J.; 66: 144(28 Oct 1968).
USSR;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; EXPLOITATION

703 ENERGY OF THERMAL WATERS. Shishkin, I.B. Priroda; No. 5, 95-103(1969).
THERMAL WATERS;USSR;GEOTHERMAL ENERGY;USES

704 THERMAL WATERS IN THE REPUBLIC OF SOUTH AFRICA. Kent, L.E. (Prague). pp 143-164 of Mineral and thermal waters of the world-Pt. B. Prague; Prague Academia (1969).
From Internat. Geol. Cong., 23d, Proc., Symposium 2; Prague (1968).
SOUTH AFRICA;HOT SPRINGS;THERMAL WATERS;HEAT FLOW;GEOLOGY;CHEMICAL COMPOSITION;USES;SPACE HEATING;GEOTHERMAL RESOURCES;BALNEOLOGY

705 MINERAL AND THERMAL WATERS OF KENYA. Walsh, J. (Prague Academia). pp 105-110 of Mineral and thermal waters of the world-Pt. B. Prague; Prague Academia (1969).
From Internat. Geol. Cong., 23d, Proc., Symposium 2; Prague (1968).
KENYA;THERMAL WATERS;MINERALS;AFRICA; GEOTHERMAL EXPLORATION;USES;GEOTHERMAL RESOURCES

706 RECENT DEVELOPMENTS IN GEOTHERMAL RESEARCH IN THE MONTE AMIATA REGION--THE NEW PUGGIO NIBBIO ''FIELD''. Burgassi, R.; Calamai, A.; Cataldi, R. Bull. Volcanol.; 33: No. 1, 1-27(1969). (In French).
ITALY;GEOTHERMAL FIELDS;ROCK DRILLING; BOREHOLES;TECTONICS;GEOPHYSICAL SURVEYS;MONTE AMIATA GEOTHERMAL FIELD;TEMPERATURE MEASUREMENT; GEOLOGY

707 JAPAN MOVING AHEAD IN GEOTHERMAL DEVELOPMENT. Calif. Div. Mines, Geol., Mineral Info. Serv.; 22: No. 8, 136-7(1969).
JAPAN;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;MAPS

708 GEOTHERMAL ENERGY SOURCES AND INDUSTRIAL UTILIZATION. Vie, G. Genie Civil; 146: No. 4, 222-6(1969).
In Italy and French overseas territories.
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; EXPLOITATION;LARDERELLO GEOTHERMAL FIELD;ITALY; THERMAL WATERS;WEST INDIES;GEOTHERMAL FIELDS; GEOLOGY

709 ZEOLITE DISTRIBUTION IN THE KATAYAMA GEOTHERMAL AREA, ONIKOBE, JAPAN. Seki, Y.; Onuki, H.; Okumura, K.; Takashima, I. Jpn. J. Geol. Geogr.; 40: No. 2-4, 63-79(1969).
Katayama geothermal area. JAPAN;GEOTHERMAL FIELDS;ZEOLITES;DISTRIBUTION;NATURAL STEAM; THERMAL WATERS;GEOTHERMAL EXPLORATION

710 THERMAL AND MINERAL WATERS OF CZECHOSLOVAKIA. Kacura, G.; Franko, O.; Gazda, S.; Silar, J. pp 17-29 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, Symposium 2, Part A. Prague; International Geol. Cong. (1969).
CZECHOSLOVAKIA;THERMAL WATERS;HOT SPRINGS; INDUSTRIAL PLANTS

711 PROSPECTS OF UTILIZATION OF THERMAL WATERS (THE MAKHACHKALA CONFERENCE). Dvorov, I.M. Vestnik. Akad. Nauk SSR; No. 9, 127-9(1969).
USSR;THERMAL WATERS;USES;AGRICULTURE; MEETINGS

712 THERMO-MINERAL SPRINGS OF MOROCCO. Combe, M. pp 121-37 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
MOROCCO;GEOTHERMAL RESOURCES;BY-PRODUCTS;HOT SPRINGS;THERMAL WATERS

713 JAPAN MOVING AHEAD IN GEOTHERMAL DEVELOPMENT. (California Division of Mines and Geology (compiler)). Calif. Div. Mines Geol., Miner. Inform. Serv.; 22: No. 8, 136-137(1969).
JAPAN;GEOTHERMAL RESOURCES;EXPLOITATION; ELECTRIC POWER;GEOTHERMAL POWER PLANTS;PLANNING; GEOTHERMAL ENERGY;POWER POTENTIAL

714 THERMAL SPRINGS IN THAILAND. Pitakpaivan, K. pp 69-74 of Proceedings of 23rd International Geological Congress, Praque; Symposium 2, Mineral and thermal waters of the world, Pt. B, Overseas countries. Prague; Academia (1969).
THAILAND;HOT SPRINGS;THERMAL WATERS

715 WORLDWIDE GEOTHERMAL ENERGY AND ITS INDUSTRIAL UTILIZATION. Vie, G. Genie Civil; 146: No. 4, 222-6(Apr 1969).
357 MW total electric energy, 37 power plants. GEOTHERMAL RESOURCES;NORTH AMERICA; SOUTH AMERICA;ASIA;AFRICA;EUROPE;GEOTHERMAL POWER PLANTS;ITALY;CALIFORNIA;GEOTHERMAL ENERGY; POWER GENERATION;ELECTRIC POWER

716 GEOTHERMAL DEVELOPMENT IN NEW ZEALAND. Smith, J.H. (Chief Geol. Engineer, Ministry of Works, Wellington, New Zealand). Geothermics; No. 2, 232-47(1970).
Exploration wells, up to 306°C. HOT-WATER SYSTEMS;GEOTHERMAL EXPLORATION;FORECASTING; GEOTHERMAL ENERGY;USES;ELECTRIC POWER;POWER GENERATION;GEOTHERMAL RESOURCES;HEAT EXCHANGERS; GEOTHERMAL POWER PLANTS;NEW ZEALAND

717 OCCURRENCE AND UTILIZATION OF THERMAL WATERS IN POLAND. Dowgiallo, J. (Chief, Geological Laboratory, Balneoclimatical Institute, Warsaw, Poland). Geothermics; No. 2, 95-8(1970).
POLAND;THERMAL WATERS;USES;GEOTHERMAL RESOURCES;GROUND WATER;AVAILABILITY

718 GEOTHERMAL ENERGY DEVELOPMENTS IN ICELAND 1960 TO 1969. Palmason, G. (National Energy Authority, Reykjavik, Iceland); Zoega, J. Geothermics; No. 2, 73-6(1970).
Utilization, costs. ICELAND;EXPLORATION; GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ECONOMICS;USES;GEOTHERMAL EXPLORATION

719 GEOTHERMAL PROSPECTING IN THE FRENCH ANTILLES: GUADELOUPE AND MARTINIQUE. Cormy, G.; D'Archimbaud, J.D.; Surcin, J. (EURAFREP, Paris, France). Geothermics; No. 2, 57-72(1970).
GEOTHERMAL ENERGY;INFRARED SURVEYS; GEOCHEMICAL SURVEYS;GEOLOGY;GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION;TEMPERATURE GRADIENTS; FRANCE;GEOTHERMAL RESOURCES;WEST INDIES

720 GEOTHERMAL EXPLORATION IN NICARAGUA. Braun, L.T. (Texas Instruments Inc., Denver, CO). Geothermics; No. 2, 41-2(1970).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; NICARAGUA;MAPS;DRILLING;GEOLOGY;HOT SPRINGS; FUMAROLES;BOREHOLES

721 GEOTHERMAL EXPLORATION IN MEXICO 1968--1969. Banwell, C.J. (New Zealand); Valle, R.G. Geothermics; No. 2, 27-40(1970).
Cerro Prieto area. GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;MEXICO;HOT-WATER SYSTEMS; DRY-STEAM SYSTEMS;GEOLOGY;GEOCHEMICAL SURVEYS; GEOPHYSICAL SURVEYS;HOT SPRINGS;FUMAROLES; TECTONICS;MAPS;TEMPERATURE MEASUREMENT

722 GEOPHYSICAL EXPLORATION IN THE TATUN VOLCANIC REGION, TAIWAN. Cheng, W.T. (Mining Research and Serv. Organization, Ministry of Economic Affairs, Taipei, Republic of China). Geothermics; No. 2, 262-74(1970).
TAIWAN;GEOPHYSICAL SURVEYS;VOLCANIC REGIONS; GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS; ELECTRICAL SURVEYS;GEOLOGY;VOLCANOES;GEOTHERMAL RESOURCES;VOLCANIC ROCKS;ELECTRIC CONDUCTIVITY; GEOTHERMAL FIELDS

723 GEOTHERMAL RESOURCES OF THE NORTHERN GULF OF MEXICO BASIN. Jones, P.H. (U.S. Geol. Survey, Baton Rouge, LA). Geothermics; No. 2, 14-26(1970).
Geothermal gradients within geopressurized deposits up to 100°C/km, 273°C maximum temperature at 5859 m., 120°C isogeotherm at 2500-5000 m below sea level. GULF OF MEXICO; GEOTHERMAL RESOURCES;GEOPRESSURED SYSTEMS; GEOLOGIC FAULTS;TEMPERATURE GRADIENTS;MAPS; DRILLING;CLAYS;FRESH WATER;GROUND WATER; DEHYDRATION

724 STATUS OF GEOTHERMAL UTILIZATION IN JAPAN. Komagata, S.; Iga, H.; Nakamura, H.; Minohara, Y. (Geothermal Utilization Committee, Japan Geothermal Energy Assoc., Tokyo). Geothermics; No. 2, 185-96(1970).
JAPAN;GEOTHERMAL ENERGY;USES;HOT SPRINGS; EFFICIENCY;ECONOMICS

725 PRESENT STATE OF GEOTHERMAL DEVELOPMENT IN JAPAN. Sato, K. (Geothermal Resources Committee, Japan Geothermal Energy Assoc., Tokyo, Japan). Geothermics; No. 2, 155-84(1970).
13,000 kW power plant. GEOTHERMAL POWER PLANTS;ELECTRIC POWER;VOLCANOES;JAPAN; GEOTHERMAL EXPLORATION;REVIEWS;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;SEISMIC SURVEYS; GEOTHERMAL ENERGY

726 EXPLORATION OF GEOTHERMAL RESOURCES IN THE TATUN VOLCANIC REGION, TAIWAN, REPUBLIC OF CHINA. Feng, T.T.; Huang, K.K. (Mining Research and Serv. Organization, Ministry of Economic Affairs, Taipei, Taiwan). Geothermics; No. 2, 150-4(1970).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; TAIWAN;VOLCANOES;FUMAROLES;GEOTHERMAL WELLS; GEOCHEMICAL SURVEYS;ELECTRICAL SURVEYS;MAGNETIC SURVEYS;ROCK DRILLING

727 GEOTHERMAL ENERGY PROSPECTS IN SOUTH SULAWESI, INDONESIA. Radja, V.T. (Institute of Power Research, Jakarta, Indonesia). Geothermics; No. 2, 136-49(1970).
First-stage generation of 250 MW from 9 geothermal fields. GEOTHERMAL ENERGY; FORECASTING;INDONESIA;TOPOGRAPHY;HOT SPRINGS; ROCKS;GEOLOGIC FAULTS;STRATIGRAPHY;GEOTHERMAL RESOURCES;POWER POTENTIAL

728 KIZILDERE GEOTHERMAL FIELD, WESTERN ANATOLIA. Dam, A.T. (Manager, SCEP, Paris, France); Erentoz, C. Geothermics; No. 2, 124-9(1970).
EXPLORATION;GEOTHERMAL RESOURCES;TURKEY; GEOLOGY;GEOCHEMICAL SURVEYS;GEOTHERMAL FIELDS; SEISMOLOGY;TEMPERATURE GRADIENTS;DRILLING; STRATIGRAPHY;BOREHOLES

729 MENDERES MASSIF GEOTHERMAL PROVINCE. Dam, A.T. (Manager, SCEP, Paris, France); Khrebtov, A.I. Geothermics; No. 2, 117-23(1970).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; TURKEY;HEAT TRANSFER;HOT SPRINGS;THERMAL WATERS; MAGMA

730 GEOTHERMAL ENERGY PRODUCTION FROM POROUS SEDIMENTS IN HUNGARY. Boldizsar, T. (Geothermal Board, Budapest, Hungary). Geothermics; No. 2, 99-109(1970).
Quarternary volcanic processes and subsidence basins with high heat flow. HUNGARY; SEDIMENTS;GEOTHERMAL ENERGY;THERMAL WATERS;HEAT FLOW;TEMPERATURE GRADIENTS;BRINES;GEOTHERMAL RESOURCES;EUROPE;ECONOMICS;TECTONICS

731 GEOTHERMAL POWER FOR NON-BASE LOAD PURPOSES. Armstead, H.C.H. (Consulting engineer, Surrey, England). Geothermics; No. 2, 936-49(1970).
GEOTHERMAL ENERGY;POWER GENERATION;POWER POTENTIAL;ECONOMICS;GEOTHERMAL POWER PLANTS; USES;POWER DEMAND;STORAGE

732 TYPES OF COMMERCIAL DEPOSITS OF THERMAL UNDERGROUND WATERS AND SOME VIEWS ON THE ASSESSMENT OF THEIR RESERVES. Frolov, N.M.; Vartanian, G.S. (National Res. Inst. of Hydrogeology and Engineering Geology (VSEGINGEO), Moscow, USSR). Geothermics; Special Issue 2: 1167-74(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;GEOLOGY;HYDRODYNAMICS; ARTESIAN BASINS;TECTONICS;VOLCANOES; DISTRIBUTION;GROUND WATER;ECONOMICS;EXPLORATION; RESERVES;AUSTRALIA

733 THERMAL WATERS OF GEORGIA (USSR). Buachidse, I.M.; Buachidse, G.I.; Shaorshadse, M.P. (Georgian V.I. Lenin Polytechnic Inst., Tbilisi, USSR). Geothermics; Special Issue 2: 1092-1101(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;USSR;CHEMICAL COMPOSITION; TECTONICS;HYDROLOGY;GEOLOGY;ROCKS;THERMAL CONDUCTIVITY;MAPS;TEMPERATURE GRADIENTS;USES; SPACE HEATING;GEOTHERMAL RESOURCES;HEAT FLOW

734 GEOTHERMAL RESOURCES OF THE USSR AND PROSPECTS FOR THEIR PRACTICAL USE. Makarenko, F.A.; Lokshin, B.A.; Kononov, V.I. (Geological Inst. of USSR, Acad. of Sciences, Moscow, USSR); Mavritsky, B.F. (Union Res. Inst. of Hydrogeology and Engineering Geology (Vsegingeo), Moscow, USSR). Geothermics; Special Issue 2: 1086-91(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;USSR;GEOTHERMAL RESOURCES; EXPLORATION;PLANNING;ECONOMICS;USES;MINERALS; HEAT;CHEMICAL COMPOSITION

735 ESTIMATE OF THE NATURAL HEAT RESOURCES IN A THERMAL AREA IN ICELAND. Bodvarsson, G. (Dept. of Oceanography, Oregon State Univ., Corvallis, Oregon). Geothermics; Special Issue 2: 1289-93(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; ICELAND;BOREHOLES;STEAM;ECONOMICS;RECOVERY; PRODUCTIVITY;FLASHING;AVAILABILITY;HOT-WATER SYSTEMS

736 THERMAL FIELDS OF THE EASTERN CARPATHIANS. Kutas, R.I.; Gordiyenko, V.V. (Inst. of Geophysics, Acad. of Sciences of the Ukrainian SSR, Kiev, USSR). Geothermics; Special Issue 2: 1063-6(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
BOREHOLES;TECTONICS;GEOLOGY;GEOTHERMAL FIELDS;USSR;EXPLORATION;GEOTHERMAL RESOURCES; HEAT TRANSFER

737 DEVELOPMENT OF RESEARCH AND UTILIZATION OF GEOTHERMAL RESOURCES IN THE USSR. Tikhonov, A.N.; Dvorov, I.M. (Scientific Council on Geothermal Res., Academy of Sciences of the USSR, Moscow). Geothermics; Special Issue 2: 1072-8(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
USSR;RESEARCH PROGRAMS;GEOTHERMAL RESOURCES; EXPLORATION;USES;THERMAL WATERS;HEATING;WATER RESOURCES;ELECTRIC POWER;AGRICULTURE;RECOVERY; GEOTHERMAL ENERGY

738 GEOLOGY OF THE GEOTHERMAL REGONS OF WESTERN ANATOLIE. Erentoz, C.; Kurtman, F. (Dept. de Geologie du Petrole et des Gaz Naturels, Ankara, Turquie). Geothermics; Special Issue 2: 1067-74(1970). (In French).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOLOGY;TURKEY;GEOTHERMAL RESOURCES;GEYSERS; THERMAL WATERS;EXPLORATION;TECTONICS;IGNEOUS ROCKS;VOLCANOES;GEOLOGIC FISSURES

739 GEOTHERMAL EXPLORATION OF HOT-WATER SOURCES IN THE CARPATHIANS OF YUGOSLAVIA AND CZECHOSLOVAKIA. Krcmar, B. (Scintrex Ltd., Concord, Ontario, Canada); Milanovic, B. (Geozavod, Belgrade, Yugoslavia). Geothermics; Special Issue 2: 1059-62(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS;POWER GENERATION;GEOTHERMAL ENERGY;TEMPERATURE MEASUREMENT;BOREHOLES;TECTONICS;YUGOSLAVIA; CZECHOSLOVAKIA;HOT SPRINGS

740 GEOTHERMAL AREAS OF CZECHOSLOVAKIA.

Klir, S. (Geoindustria, 32 u. Pruhonu, Praha 7, Czechoslovakia). Geothermics; Special Issue 2: 1055-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;CZECHOSLOVAKIA;GEOLOGY; GEOTHERMAL EXPLORATION

741 GEOTHERMAL RESOURCES OF INDIA. Iyengar, B.R.R. (Central Water and Power Commission (Power Wing), West Block 2, R.K. Puram, New Delhi, IN). Geothermics; Special Issue 2: 1044-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
INDIA;GEOTHERMAL RESOURCES;POWER DEMAND; GEOTHERMAL EXPLORATION;ELECTRIC POWER

742 GEOTHERMAL RESOURCES OF TANZANIA. Nzaro, M.A. (Ministry of Commerce and Industry, Mineral Resources Div., Dodoma, Tanzania). Geothermics; Special Issue 2: 1039-43(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;ELECTRIC POWER;HOT SPRINGS;TANZANIA

743 THERMAL AND MINERAL SPRINGS IN UGANDA. Dixon, C.G.; Morton, W.H. (Geological Survey and Mines Dept., Entebbe, Uganda). Geothermics; Special Issue 2: 1035-8(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;HOT SPRINGS;MINERALS;UGANDA; GEOTHERMAL RESOURCES

744 GEOTHERMAL RESOURCES OF RWANDA. Nkubana, A.M. (Ministere des Travaux Publics et de l'Energie, Kigali, Rwanda). Geothermics; Special Issue 2: 1030-4(1970). (In French).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;AFRICA;RESEARCH PROGRAMS;VOLCANIC REGIONS

745 GEOTHERMAL RESOURCES OF COSTA RICA. Geothermics; Special Issue 2: 1026-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;COSTA RICA;CENTRAL AMERICA;ELECTRIC POWER;GEOTHERMAL ENERGY

746 GEOTHERMAL RESOURCES OF GUATEMALA, CENTRAL AMERICA. Fernandez-Rivas, R. (Inst. Nacional de Electrificacion, I.N.D.E., Guatemala, C.A.). Geothermics; Special Issue 2: 1015-25(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;CENTRAL AMERICA; GUATEMALA;GEOLOGY;GEOTHERMAL ENERGY

747 GEOTHERMAL PRODUCTION OF ELECTRICAL ENERGY AND CERTAIN MINERALS. Ilukor, J.O. (Physics Dept., Makerere Univ., Kampala, Uganda). Geothermics; Special Issue 2: 1656-7(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL ENERGY;MINERALS;UGANDA;POWER POTENTIAL;GEOTHERMAL RESOURCES;USES

748 UTILIZATION OF THERMAL WATERS FROM OIL DEPOSITS OF THE CAUCASUS. Sukharev, G.M.; Vlasova, S.P.; Taranukha, Y.K. (Groznyj Oil Inst., Groznyj, USSR). Geothermics; Special Issue 2: 1102-15(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;USES;USSR;GEOLOGIC DEPOSITS; OILS;HEAT;WATER RESOURCES;INJECTION WELLS; GEOTHERMAL WELLS;GEOTHERMAL RESOURCES

749 RECENT HYDROTHERMAL SYSTEMS OF KAMCHATKA. Vakin, E.A.; Sugrobov, V.M.; Erlikh, E.N.; Belousov, V.I.; Pilipenko, G.F. (Inst. Volcanology, Siberian Branch, USSR Acad. of Sciences, Petropavlossk-Kamchatsky, USSR); Polak, B.G. (Geological Inst. of the USSR Acad. Sciences, Moscow, USSR). Geothermics; Special Issue 2: 1116-33(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
USSR;HYDROTHERMAL SYSTEMS;GEOLOGY;TECTONICS; HYDRODYNAMICS;VOLCANOES;HEAT TRANSFER; GEOTHERMAL RESOURCES;ARTESIAN BASINS

750 GEOLOGY AND GEOTHERMAL POWER POTENTIAL OF THE TATUN VOLCANIC REGION. Chen, C.H. (Mining Res. and Serv. Org., Taiwan, People's Rep. of China). Geothermics; Special Issue 2: 1134-43(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
80 to 200 MW power potential. VOLCANOES;LAVA; VOLCANIC ROCKS;GEOLOGY;LITHOLOGY;HOT SPRINGS; IGNEOUS ROCKS;BASALT;SANDSTONES;CHINA; GEOTHERMAL RESOURCES;ELECTRIC POWER;POWER POTENTIAL

751 HEAT TRANSFER MEASUREMENT IN A GEOTHERMAL AREA. Yuhara, K. (National Research Center for Disaster Prevention, Tokyo). Tectonophysics; 10: 19-30(1970).
HEAT TRANSFER;GEOTHERMAL FIELDS;JAPAN;MASS TRANSFER;GEOTHERMAL RESOURCES;FUMAROLES;HOT SPRINGS;ENERGY YIELD

752 THERMAL REGIME OF THE EARTH. Polyak, B.G.; Smirnov, Ya.B. Priroda; No. 5, 12-18(1970).
GEOTHERMAL RESOURCES;HEAT FLOW;GEOLOGY; GEOPHYSICS;ECONOMICS;USSR;POWER GENERATION; HEATING;GREENHOUSES

753 POSSIBILITIES OF DEVELOPING GEOTHERMAL ENERGY IN THE AZORES. Zbyszewski, G. Bol. Minas; 7: No. 3, 191-205(1970). (In French with English and French abstracts).
GEOTHERMAL RESOURCES;HOT SPRINGS;FUMAROLES; THERMAL WATERS;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;AZORES ISLAND;PORTUGAL

754 HEAT TRANSFER MEASUREMENT IN A GEOTHERMAL AREA. Yuhara, K. (Nat. Res. Cent. for Disaster Prevention, Tokyo (Japan)). Tectonophysics; 10: No. 1-3, 19-30(1970).
JAPAN;GEOTHERMAL RESOURCES;HOT SPRINGS; FUMAROLES;STEAM;THERMAL WATERS;VOLCANOES;MASS TRANSFER;HEAT TRANSFER;GEOTHERMAL ENERGY;HEAT FLOW;GEYSERS;GEOTHERMAL FIELDS;MEASURING METHODS

755 DRILLING FOR UNDERGROUND STEAM. Ground Water Age; 5: No. 3, 10(1970).
392°F steam from 200-ft deep well. DRILLING; GEOTHERMAL WELLS;EL TATIO GEOTHERMAL FIELD; POWER GENERATION;HOT SPRINGS;GEYSERS;FUMAROLES; NATURAL STEAM;CHILE;ELECTRIC POWER

756 COMPLEX UTILIZATION OF THERMAL WATERS CONTAINING A HIGH SALT CONTENT. Gaal, L. Hidrol. Koezl.; 50: No. 6, 255-260(1970).
HUNGARY;MINERAL SPRINGS;HOT SPRINGS;THERMAL WATERS;GEOCHEMISTRY;BRINES;PIPES;EXPLOITATION

757 REVIEW OF SURVEY OF GEOTHERMAL ENERGY RESOURCES IN INDONESIA. Arismunandar, A.; Radja, V.T. Bull. Natl. Inst. Geol. Min. Bandung; 3: No. 2, 51-5(1970).
INDONESIA;GEOTHERMAL RESOURCES;THERMAL WATERS;EXPLOITATION;ECONOMICS;GEOTHERMAL EXPLORATION

758 GEOTHERMAL ENERGY OF TURKEY AND THE WORLD. Cetincelik, M. Bull. Turk. Jeol. Kurumu; 13: No. 1, 44-58(1970).
TURKEY;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY

759 EVALUATION OF GEOTHERMAL ENERGY IN JAPAN. Noguchi, T. (Kyushu Univ., Fukuoka, Japan). Tectonophysics; 10: No. 1-3, 31-6(Sep 1970).
GEOTHERMAL ENERGY;JAPAN;MAGMA;GEOTHERMAL RESOURCES

760 PRELIMINARY REPORT OF TERRESTRIAL HEAT FLOW STUDY IN THE SOUTH AMERICAN CONTINENT, DISTRIBUTION OF GEOTHERMAL GRADIENTS. Uyeda, S.; Watanabe, T. (Univ. Tokyo, Japan). Tectonophysics; 10: No. 1-3, 235-42(Sep 1970).
HEAT TRANSFER;WELL LOGGING;TEMPERATURE MEASUREMENT;TEMPERATURE GRADIENTS;SOUTH AMERICA; DISTRIBUTION;HEAT FLOW;GEOTHERMAL RESOURCES; MINES

761 CLEAN POWER FROM INSIDE THE EARTH. Lear, J. Sat. Rev.; 53: No. 49, 53-61(Dec 1970).
Planning multi-purpose power plants in Mexico and California. MEXICO;GEOTHERMAL POWER PLANTS;OPERATION;PLANNING;ELECTRIC POWER;POWER GENERATION;ECONOMICS;BRINES;DESALINATION;WASTE DISPOSAL;RESEARCH PROGRAMS;CALIFORNIA;IMPERIAL VALLEY;ENVIRONMENT;POLLUTION

762 GEOTHERMAL ENERGY PROSPECTS IN RELATION TO POLICY OF REGIONAL UTILIZATION OF ENERGY RESOURCES IN INDONESIA. Hoesni, A.M.; Arismunandar, A.; Radja, V.T. Trans. World Energy Conf., 8th; 4: (1971).
From 8. World Energy Conference; Bucharest, Rom. (28 Jun-2 Jul 1971).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; INDONESIA;ENERGY RESERVES;GOVERNMENT POLICIES

763 GEOTHERMAL SYSTEM OF THE DIENG-BATUR VOLCANIC COMPLEX. Zen, M.T. Proc., Inst. Teknol. Bandung; 6: No. 1, 23-8(1971).
INDONESIA;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;VOLCANIC REGIONS; THERMAL WATERS;GEOCHEMICAL SURVEYS;GEOLOGIC FISSURES;GEOTHERMAL SYSTEMS;GEOLOGY

764 GLOBAL PLAN FOR WATER AND ENERGY IN THE NEXT HALF CENTURY. Escande. Mines Metall.; No. 3662, 247-8(1971).
ENERGY SOURCES;WATER RESOURCES;GEOTHERMAL RESOURCES;MINERAL RESOURCES;RESERVES

765 GEOTHERMAL DEVELOPMENT. Koenig, J.B. Geotimes; 16: No. 3, 10-12(1971).
Review of U.N. symposium on development and utilization of geothermal resources, Pisa, Italy, 1970. GEOTHERMAL RESOURCES;EXPLOITATION; MEETINGS;ITALY;REVIEWS

766 GEOTHERMICS IN NORTH AMERICA, PRESENT AND FUTURE. Summers, W.K. (New Mexico State Bureau of Mines and Mineral Resources); Ross, S.H. (Wyoming State Engineer's Office, Cheyenne). Earth Sci. Bull.; 4: No. 1, 7-22(Mar 1971).
NORTH AMERICA;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; PLANNING;THERMAL WATERS;HOT SPRINGS;NATURAL STEAM;ECONOMICS;GEOTHERMAL EXPLORATION;POWER POTENTIAL;GEOTHERMAL FIELDS;REVIEWS

767 APPROXIMATE GEOTHERMAL GRADIENTS IN THE NORTH SEA BASIN. Harper, M.L. (Amoco Europe Inc., London, England). Nature (London); 230: No. 5291, 235-6(26 Mar 1971).
Bottom hole temperatures, 80 wells. NORTH SEA;GEOTHERMAL GRADIENTS;BOREHOLES;VARIATIONS; ROCKS;THERMAL CONDUCTIVITY

768 NOTES ON THE ENERGY SITUATION IN MEXICO. Garcia Rojas, A. IEEE Electrolatina; 5: No. 3, 18-25(Sep 1971). (Spanish).
MEXICO;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;PLANNING;ENERGY SOURCES;COAL;PETROLEUM; NUCLEAR POWER;ENERGY SUPPLIES;HYDROELECTRIC POWER

769 ASPECTS OF THE DEVELOPMENT OF GEOTHERMAL RESOURCES IN LESS DEVELOPED COUNTRIES. New York; United States of America (USA); United Nations, Dept. of Economic and Social Affairs, Resources and Transport Division, Energy Section (20 Dec 1971). 19p.
GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;USES; VOLCANIC REGIONS;DEVELOPING COUNTRIES

770 GEOTHERMAL ENERGY IN MEXICO: EXPLORATION AND UTILIZATION. Guiza, J.; Mercado, S. (Comision Federal de Electricidad, Mexico City). pp 183-189 of III interamerican conference on materials technology. Buenos Aires; Centro Regional de Ayuda Tecnica (1972). (In Spanish)
From 3. Inter-American conference on materials technology; Rio de Janeiro, Brazil (14 Aug 1972).
GEOTHERMAL ENERGY;MEXICO;EXPLORATION; GEOTHERMAL EXPLORATION

771 GEOTHERMAL MEASUREMENTS ON THE MANIHIKI PLATEAU AND THE MARCUS-NECKER RISE (PACIFIC OCEAN). Kuz'min, V.A.; Suzyumova, A.Ye.; Bezlyudov, A.V.; Shirshov, P.P. (Inst. Oceanology, Acad. Sci., USSR). Okeanologiya; 12: No. 6, 1044-6(1972).
HEAT FLOW;PACIFIC OCEAN;EARTH CRUST

772 POSSIBILITIES OF UTILIZATION OF THE WARMTH OF THE EARTH IN THE SLOVAK REPUBLIC BY FINDING NEW SOURCES OF HYPERTHERMAL WATERS. Franko, O. Mineral. Slovaca; 4: No. 15, 205-216(1972).
CZECHOSLOVAKIA;THERMAL WATERS;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;GEOPHYSICAL

SURVEYS

773 RESOURCES OF GROUND WATER IN SIBERIA AND THE FAR EAST. Bondarenko, S.S.; Borevskiy, L.V.; Vsevolozhskiy, V.A.; Zektser, I.S.; Kudelin, B.I.; Mavritskiy, B.F.; Pinneker, Ye.V.; Semenova, S.M.; Tolstikhin, O.N. Geol. Geofiz.; No. 3, 28-37(1972). (English summary).
USSR;THERMAL WATERS;WATER RESOURCES;MINERAL SPRINGS;GROUND WATER;GEOTHERMAL RESOURCES

774 THERMAL WATERS OF THE GRANADA PROVINCE. Cruz-Sanjulian, J.; Garcia-Rossell, L.; Garrido-Blasco, J. Bol. Spain Inst. Geol. Min.; 83: No. 3, 266-75(1972). (In Spanish with English summary).
SPAIN;THERMAL WATERS;MAPS;GEOTHERMAL RESOURCES;ECONOMICS;GEOCHEMISTRY;HYDRODYNAMICS

775 HEAT AT DEPTH IN THE EARTH. Dvorov, I.M. Moscow; Union of Soviet Socialist Republics (USSR); Izd. Nauka (1972). 207p.
USSR;GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES;THERMAL WATERS;GEOTHERMAL EXPLORATION; USES;HEAT FLOW

776 ICELAND'S THERMAL GEOLOGY. Kane, J. pp 135-40 of Readings in Earth sciences. New York; Van Nostrand Reinhold Co. (1972).
ICELAND;VOLCANIC REGIONS;THERMAL WATERS;HOT SPRINGS;GEOTHERMAL RESOURCES;GLACIERS;GEYSERS

777 SPATIAL DISTRIBUTION, EVOLUTION AND RESOURCES OF THERMAL WATERS IN MOBILE SILICATE MASSIFS. Shterev, K.D. Dokl. Akad. Nauk Bulg.; 25: No. 11, 1555-8(1972).
EUROPE;GEOTHERMAL RESOURCES;THERMAL WATERS; HYDROLOGY;GEOCHEMISTRY;SILICATES

778 ANNUAL INFORMATION ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL ENERGY IN JAPAN, 1971. (Japan Geothermal Energy Association). Geothermics; 1: No. 1, 45-6(1972).
JAPAN;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

779 ASPECTS OF THE DEVELOPMENT OF GEOTHERMAL RESOURCES IN LESS DEVELOPED COUNTRIES. (Energy Section, United Nations). Geothermics; 1: No. 1, 42-5(1972).
DEVELOPING COUNTRIES;GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES;ECONOMICS;UNITED NATIONS; ECONOMIC DEVELOPMENT

780 IN SEARCH OF HOT WATER IN ETHIOPIA. Lloyd, E.F. N.Z. Geol. Soc. Newsl.; No. 32, 7-10(1972).
ETHIOPIA;GEOTHERMAL EXPLORATION;AFRICA

781 UN GEOTHERMAL PROJECT, NORTHERN CHILE. Healy, J. N.Z. Geol. Soc. Newsl.; No. 32, 4-6(1972).
CHILE;GEOTHERMAL EXPLORATION;UNITED NATIONS

782 GEOTHERMAL ENERGY. Lavigne, J. Rev. Assoc. Fr. Tech. Pet.; No. 213, 61-5(1972).
GEOTHERMAL RESOURCES;THERMAL WATERS; DISTRIBUTION;EXPLOITATION;GEOTHERMAL ENERGY

783 RESOURCES OF GEOTHERMAL ENERGY AND THEIR UTILIZATION. White, D.E. pp 235-9 of Man and his physical environment; readings in environmental geology. Minneapolis, MN; Burgess Publ. Co. (1972).
GEOTHERMAL RESOURCES;EXPLOITATION;GEOLOGY; ENVIRONMENT

784 NORTHERN CHILE, YESTERDAY AND TODAY. Selden, P.H. Aufschluss; 23: No. 1, 38-42(1972).
CHILE;GEOTHERMAL RESOURCES;NITRATES;COPPER ORES;RESERVES;GEOLOGIC DEPOSITS;MINERAL RESOURCES

785 EXPLORATION AND DEVELOPMENT OF GEOTHERMAL RESOURCES IN CENTRAL AMERICA. Bennett, R.; Bennett, C.M. Geol. Soc. Am., Bull.; 4: No. 6, 366(1972).
From 25. Annual Meeting of Rocky Mountain Section of Geological Society of America;
CENTRAL AMERICA;GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES;EXPLOITATION;WASTE DISPOSAL;EL SALVADOR;NICARAGUA

786 SUBSURFACE WATERS AS A SOURCE OF COMBINED HEAT-AND-POWER SUPPLY AND INDUSTRIAL RAW MATERIAL. Shulyakov, B.D.; Shirokov, B.D. pp 233-9 of Gidrogeol. SSSR, Volume 24. Sidorenko, A.V. (ed.). Moscow; 'Nedra' (1972).
USSR;ARTESIAN BASINS;HOT SPRINGS;THERMAL WATERS;USES;GEOTHERMAL RESOURCES

787 GEOTHERMAL IN ICELAND. Burro, E.L. Power Eng.; 38-9(Mar 1972).
ICELAND;GEOTHERMAL ENERGY;USES;EQUIPMENT; ECONOMICS

788 WORLDWIDE STATUS OF GEOTHERMAL EXPLORATION AND DEVELOPMENT. Koenig, J.B. (Calif. Div. of Mines and Geology, Sacramento). Trans. Am. Nucl. Soc.; 15: No. 1, 13(Jun 1972).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;POWER GENERATION;ELECTRIC POWER;ITALY;NEW ZEALAND;USA; JAPAN;USSR;ICELAND;MEXICO

789 DEVELOPMENT AND UTILIZATION OF THERMAL WATERS IN HUNGARY. Belteky, L. (Research Inst. for Water Resources Development, Budapest, HU). Geothermics; 1: No. 3, 103-112(Sep 1972).
HUNGARY;THERMAL WATERS;USES;GEOTHERMAL RESOURCES;WATER RESOURCES;HYDROTHERMAL SYSTEMS; GEOTHERMAL WELLS;SCALING

790 GEOLOGICAL ASPECTS OF THERMAL WATER OCCURRENCES IN HUNGARY. Korim, K. (Res. Inst. for the Development of Water Resources, Budapest, Hungary). Geothermics; 1: No. 3, 96-102(Sep 1972).
HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS; GEOLOGY;ENTHALPY;NATURAL OCCURRENCE;GEOLOGICAL SURVEYS;GEOTHERMAL EXPLORATION

791 NEW ENERGY SOURCES TO THE YEAR 2000. Electr. Light Power (Boston); 50: No. 17, 41-77(Sep 1972).
ELECTRIC POWER;POWER GENERATION;SOLAR RADIATION;DIRECT ENERGY CONVERSION;GEOTHERMAL ENERGY;MHD GENERATORS;ECONOMICS;NUCLEAR POWER PLANTS;REVIEWS;ENVIRONMENT;POLLUTION;GEOTHERMAL POWER PLANTS;POWER TRANSMISSION;PERSONNEL

792 ECONOMIC EVALUATION OF REYKJANES THERMAL BRINE AREA, ICELAND. Bjornsson, S.;

Arnorsson, S.; Tomasson, J. (National Energy Authority, Reykjavik (Iceland)). Am. Assoc. Pet. Geol. Bull.; 56: No. 12, 2380-2391(Dec 1972).
250-290°C brine. ICELAND;GEOTHERMAL FIELDS; BRINES;ECONOMICS;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY; CHEMICAL COMPOSITION;QUANTITATIVE CHEMICAL ANALYSIS;GEOTHERMAL WELLS;BASALT;GEOLOGY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;CALCIUM CHLORIDES; BY-PRODUCTS

793 GEOTHERMY AND ITS FUTURE IN INDONESIA. Zen, M.T. (Inst. of Tech., Bandung, Indonesia). Proc., Inst. Teknol. Bandung; 7: No. 1, 27-40(1973).
GEOTHERMAL ENERGY;INDUSTRY;INDONESIA; ELECTRIC POWER;FOSSIL FUELS;GEOTHERMAL EXPLORATION

794 ANNUAL REPORT OF THE GEOLOGICAL SURVEY AND MINES DEPARTMENT, FOR THE YEAR ENDED 31ST DECEMBER 1971. Uganda; Uganda; Geol. Surv. and Mines Dept. (1973). 38p.
UGANDA;MINERAL RESOURCES;MAPS;GEOCHEMISTRY; RESEARCH PROGRAMS;PETROLOGY;GEOTHERMAL RESOURCES

795 GEOTHERMICS IN INDONESIA. Hadikusomo, D.; Pardyanto, L. Bull. Indones., Geol. Surv.; 3: No. 1, 1-3(1973).
INDONESIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;MINERAL RESOURCES;ECONOMICS;POWER POTENTIAL;RESEARCH PROGRAMS

796 EXPLORATION AND ECONOMIC POTENTIAL OF GEOTHERMAL STEAM IN WESTERN CANADA. Nevin, A.E.; Sadlier-Brown, T.L. Can. Min. Metall. Bull.; 66: No. 731, 66(1973).
CANADA;GEOTHERMAL EXPLORATION;ECONOMICS; GEOTHERMAL ENERGY;MINERAL RESOURCES;GEOTHERMAL RESOURCES

797 MINERAL AND THERMAL WATERS OF CANADA. Souther, J.G.; Halstead, E.C. Canada Geological Survey Paper No. 73-18. Canada; Can. Geol. Surv. (1973). 31p.
CANADA;THERMAL WATERS;MINERAL SPRINGS; GEOTHERMAL ENERGY

798 PROSPECTS OF GEOTHERMAL DESALINATION. Barnea, J.; Wegelin, E. (United Nations, New York, NY). pp 449-61 of Proc. Int. Symp. Fresh Water Sea, 4th, 1973. Delyannis, A. (ed.). Amaroussion, Greece; Work. Party Fresh Water Sea (1973).
CHILE;GEOTHERMAL RESOURCES;DESALINATION; SCALING;HEAT TRANSFER;REVIEWS

799 INFORMATION THEORY AND THE NATURAL RESOURCES OF THE CERRO PRIETO GEOTHERMAL FIELD, MEXICALI, MEXICO. Del Castillo G., L.; Cominguez G., A.H.; Sumner, J.S.; Evans, K.R. Union Geofiz. Mex., Reunion Anu., Programas y Resumenes; 10(1973).
CERRO PRIETO GEOTHERMAL FIELD;MEXICO; GEOTHERMAL ENERGY;TECTONICS;INFORMATION THEORY; GEOTHERMAL RESOURCES

800 (ERDA-tr--43) PART 3. GEOTHERMAL ENERGY. 1973. Translation of Japanese report. 144p. Dep. NTIS $10.25.
GEOTHERMAL ENERGY;JAPAN;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY CONVERSION; ENGINEERING;ENVIRONMENTAL EFFECTS;POWER POTENTIAL;RESERVES;REVIEWS

801 NATURAL STEAM DEVELOPMENT AT THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Wilcox, U.V. pp 55-58 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
GEYSERS GEOTHERMAL FIELD;NATURAL STEAM; REVIEWS

802 MEXICO TURNS TO STEAM ENERGY: CERRO PRIETO. Manley, C.C. Geotherm. Energy Mag.; 1: No. 1, 22(Aug 1973).
MEXICO;GEOTHERMAL ENERGY;STEAM;INDUSTRY; WATER;ELECTRIC POWER;ENERGY CONVERSION; GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS; VOLCANOES

803 MINERAL AND THERMAL WATERS OF CEYLON. Fonseka, J.P.R.; deSilva, N.R.; Balendran, V.S.; Senevirantne, L.K. pp 31-7 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
SRI LANKA;GEOTHERMAL RESOURCES;HOT SPRINGS

804 GEOTHERMAL EXPLOITATION. Isita y Septien, J. pp 102-23 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
MEXICO;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;CERRO PRIETO GEOTHERMAL FIELD;GEOLOGY; HYDROLOGY;GEOLOGIC FAULTS;GEOTHERMAL GRADIENTS; GEOTHERMAL ENERGY;EXPLOITATION;NATURAL STEAM; POWER POTENTIAL;GEOTHERMAL WELLS

805 ICELAND. pp 124-5 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
Research programs in Iceland for exploiting geothermal energy. ICELAND;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;EXPLOITATION;RESEARCH PROGRAMS

806 WORLD ENERGY SUPPLY CONFERENCE - 1973 ENDS CHEAP ENERGY ERA. Energy Dig. ; 2: No. 6, 15-22(Nov-Dec 1973).
SOLAR ENERGY;GEOTHERMAL ENERGY;USES;REVIEWS; PLANNING

807 SEISMOLOGICAL AND GEOTHERMAL RESEARCH IN NEW ZEALAND. Adam, R.D.; Hatherton, T. (Dept. Sci. and Industrial Res., Wellington, England). Nature (London); 246: No. 5431, 262-4(30 Nov 1973).
NEW ZEALAND;GEOTHERMAL ENERGY;SEISMOLOGY; RESEARCH PROGRAMS

808 (JPRS--60673, pp 8-15) WAYS SOUGHT TO TAP EARTH'S INTERNAL HEAT. 3 Dec 1973. Translated from K'o Hsueh Shih Yen; No. 6, 33-35(1971). NTIS.
Translations on People's Republic of China, No. 250. GEOTHERMAL ENERGY;GEOLOGY; GEOTHERMAL EXPLORATION;CHINA;HEATING; UNDERGROUND;GEOTHERMAL RESOURCES

809 ENERGY IN OUR REGION. Grant, E.O.B. Australas. Oil Gas Rev.; 20: No. 1, 21-25(1974).
ENERGY SOURCES;AUSTRALIA;ASIA;PETROLEUM;COAL; OIL SHALES;OIL SANDS;NATURAL GAS;GEOTHERMAL RESOURCES;ENERGY RESERVES;NUCLEAR ENERGY

810 EVIDENCE OF VOLCANISM IN CANADA AND

PROSPECTS FOR GEOTHERMAL ENERGY. Lambert, M.B. Can. Geogr.; 89: No. 1-2, 12-13(1974).
CANADA;GEOTHERMAL RESOURCES;VOLCANOES; GEOTHERMAL GRADIENTS;GEOLOGY;HEAT FLOW;HIGH TEMPERATURE

811 FUTURE FOR INDUCED GEOTHERMAL ENERGY. Schuiling, R.D. Geol. Mijnbouw; 53: No. 1, 25-26(1974).
NETHERLANDS;GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS;ECONOMICS

812 GEOTHERMAL POWER. Leardini, T. Philos. Trans. A (GB); 276: No. 1261, 507-26(1974).
ITALY;GEOTHERMAL ENERGY;EXPLOITATION; FORECASTING;ELECTRIC POWER;POWER GENERATION

813 CHARACTERISTICS OF GEOTHERMAL RESOURCES FROM GEOLOGIC AND GEOCHEMICAL VIEWPOINTS IN JAPAN. Nakamura, H.; Ozawa, T. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1452(1974).
JAPAN;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; HOT SPRINGS;THERMAL WATERS;DISTRIBUTION; GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS; GEOTHERMAL EXPLORATION

814 REVIEW OF GEOTHERMAL ENERGY IN NEW ZEALAND. Healy, J.; James, R. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1439-40(1974).
NEW ZEALAND;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;REVIEWS;GEOTHERMAL EXPLORATION

815 GEOTHERMAL RESOURCES AND ENERGY IN JAPAN ESTIMATED FROM GEOPHYSICAL DATA. Hayakawa, M.; Baba, K. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1439(1974).
JAPAN;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY;VOLCANOES

816 GEOTHERMAL POTENTIALS IN INDONESIA. Hadikusumo, D.; Pardyanto, L. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1438-9(1974).
INDONESIA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;ASIA

817 GEOTHERMIC POTENTIAL OF REPUBLIC OF MEXICO. Alonso, E.H. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1430-1(1974).
MEXICO;GEOTHERMAL RESOURCES;POWER POTENTIAL; GEOTHERMAL POWER PLANTS;CERRO PRIETO GEOTHERMAL FIELD;CONSTRUCTION;GEOTHERMAL ENERGY

818 GEOTHERMAL EXPLORATION AND DEVELOPMENT IN PHILIPPINES. Alcaraz, A. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1430(1974).
PHILIPPINES;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

819 GEOTHERMAL IN GREECE. Wehlage, E.F. Geotherm. Energy Mag.; 2: No. 8, 49-59(1974).
GREECE;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;AVAILABILITY;EXPLOITATION;REVIEWS

820 EXPLORATION AND DEVELOPMENT OF GEOTHERMAL ENERGY IN TAIWAN. Fung, Ta-Chung; Huang, Ke-Kang. (Ind. Technol. Res. Inst. Taipei, Taiwan). K'uang Yeh Chi Shu; 12: No. 8, 2-10(1974).
Tatum, Taipei, and Tuchang fields. TAIWAN; GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY;POWER POTENTIAL;HIGH TEMPERATURE;CHEMICAL COMPOSITION;THERMAL WATERS; PH VALUE;ENERGY YIELD;GASES;FLOW RATE; GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS

821 PANAMA'S GEOTHERMAL FIELDS. Merida, J. (Ministry of Commerce and Industry, Panama). pp 144-147 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
PANAMA;GEOTHERMAL FIELDS;HOT SPRINGS; GEOTHERMAL RESOURCES

822 PRESENT STATUS AND FUTURE PROSPECTS OF THE GEOTHERMAL ENERGY DEVELOPMENT IN JAPAN. Inoue, T. pp Paper 3.1-5, 28p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
Matsukawa, Otake, Onuma, Katsukonda, Onikobe, Hatchobaru. GEOTHERMAL ENERGY;JAPAN; GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS; OTAKE GEOTHERMAL FIELD;MATSUKAWA GEOTHERMAL FIELD;ELECTRIC POWER;POWER POTENTIAL;ONIKOBE GEOTHERMAL FIELD;REVIEWS;SPECIFICATIONS; EXPLOITATION;PLANNING

823 GEOTHERMAL ENERGY EXPLORATION AT THE DIENG MOUNTAINS AND POLICY TO UTILIZE OTHER GEOTHERMAL RESOURCES IN INDONESIA. Kadir, A.; Arismunandar, A.; Radja, V.T. pp Paper 3.1-7, 21p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
INDONESIA;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;GEOTHERMAL GRADIENTS;VOLCANIC REGIONS;ENERGY POLICY;WELL DRILLING

824 GEOTHERMAL AREAS IN INDIA. Gupta, M.L.; Sukhija, B.S. (Natl. Geophys. Res. Inst., Hyperabad, India). Geothermics; 3: No. 3, 105-12(1974).
INDIA;GEOTHERMAL RESOURCES;HOT SPRINGS; TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS; GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS

825 NEW ZEALAND'S CHALLENGE TO U.S.: WAIRAKEI. Wehlage, E.F. Geotherm. Energy Mag.; 2: No. 2, 12-17(Feb 1974).
NEW ZEALAND;USA;GEOTHERMAL RESOURCES; COMPARATIVE EVALUATIONS;ELECTRIC POWER; MANAGEMENT;CONSTRUCTION;BOREHOLES;WATER; WAIRAKEI GEOTHERMAL FIELD;POWER GENERATION; GEOTHERMAL ENERGY;DESIGN

826 UTILIZATION OF MINERAL AND THERMAL SPRINGS IN IRAQ. PRELIMINARY REPORT OF THE INSTITUTE FOR APPLIED RESEARCH ON NATURAL RESOURCES, BAGHDAD, IRAQ. Technical Bulletin No. 58. Baghdad, Iraq; Iraq; Scientific Research Foundation, Ministry of Higher Education and Scientific Research (Mar 1974). 165p.
GEOTHERMAL RESOURCES;MINERAL SPRINGS;THERMAL WATERS;HYDROLOGY;GEOCHEMISTRY;WATER RESOURCES; IRAQ;BACTERIA;USES

827 GEOTHERMAL ENERGY. Schuiling, R.D.; Varekamp, J.C. (Vening Meinisz Laboratorium, Afd. Geochemie, Utrecht, Netherlands). Atoomenerg. Haar Toepass.; 16: No. 6, 133-138(Jun 1974). (In Dutch).
GEOTHERMAL RESOURCES;NETHERLANDS;POWER POTENTIAL;GEOTHERMAL ENERGY;EXPLOITATION; ECONOMICS

828 LIFE EXPECTANCY OF GEOTHERMAL FIELDS. Banwell, C.J. Geotherm. Energy Mag.; 2: No. 7, 12-13(Jul 1974).
GEOTHERMAL FIELDS;RESERVES;EXPLOITATION; PERFORMANCE;WAIRAKEI GEOTHERMAL FIELD; LARDERELLO GEOTHERMAL FIELD

829 NEW ZEALAND LOOKS AGAIN AT GEOTHERMAL ENERGY SOURCES. Scott, W.E. Energy Int.; 11: No. 7, 27-30(Jul 1974).
NEW ZEALAND;GEOTHERMAL ENERGY;HEAVY WATER; PRODUCTION;ELECTRIC POWER;USES

830 ANNUAL INFORMATION ON DEVELOPMENT AND UTILIZATION FOR GEOTHERMAL ENERGY IN JAPAN - 1974. (Japan Geothermal Energy Association). Geothermics; 3: No. 3, 122-4(Sep 1974).
JAPAN;GEOTHERMAL POWER PLANTS;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;PERFORMANCE; OPERATION;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;REVIEWS

831 WHICH WAY FOR JAPANESE GEOTHERMAL: NOW AND AFTER 1974. Wehlage, E.F. Geotherm. Energy Mag.; 2: No. 9, 6-10(Sep 1974).
JAPAN;GEOTHERMAL ENERGY;PLANNING;GEOTHERMAL POWER PLANTS;POWER POTENTIAL

832 GEOTHERMAL ENERGY DEVELOPMENT PROGRAM IN JAPAN. Geotherm. Energy Mag.; 2: No. 9, 11-13(Sep 1974).
JAPAN;GEOTHERMAL ENERGY;PLANNING;RESEARCH PROGRAMS;POWER POTENTIAL;ELECTRIC POWER; GEOTHERMAL POWER PLANTS;ENERGY DEMAND;ENERGY SUPPLIES

833 TRAVALE STATION: ITALY'S GEOTHERMAL SUCCESS STORY. Wehlage, E.F. Consult. Eng. (St. Joseph, Mich.); 43: No. 4, 74-75(Oct 1974).
15,000 kW. GEOTHERMAL ENERGY;ENVIRONMENTAL EFFECTS;ECONOMIC POLICY;STEAM TURBINES; ENGINEERING;ECONOMICS;ITALY;EXPLORATION;COST; CONSTRUCTION;BOREHOLES;POWER GENERATION;TAXES

834 PROSPECTION OF HOT GROUND WATER IN PEKING AND ITS BEARING ON THE STRUGGLE IN EPISTEMOLOGY BETWEEN CONFUCIUS SCHOOL AND LEGALIST SCHOOL. Wang, Chan-min; Shih, Chun. Pekin Ti-Chih K'o-Hsueh (Sci. Geol. Sinica); No. 4, 312-14(Nov 1974).
58.8°C. THERMAL WATERS;USES;AQUACULTURE; MEDICINE;INDUSTRY;TEMPERATURE MEASUREMENT;WELL DRILLING;GEOLOGY;HEAT FLOW;CHINA

835 GEOTHERMAL DEVELOPMENT OF TAKINOUE AREA. Nakamura, H. (Japan Met. and Chem. Co., Ltd., Tokyo, Japan). Chishitsu Nyusu; 247: 32-8(1975).
Water temperature of 250° at 1 km. depth. JAPAN;GEOTHERMAL EXPLORATION;THERMAL WATERS; GEOTHERMAL WELLS;GEOLOGY;TUFF;SANDSTONES; CHEMICAL COMPOSITION;GEOTHERMAL FLUIDS;NATURAL STEAM;SILICON OXIDES;SODIUM CHLORIDES

836 GEOTHERMAL DEVELOPMENT IN TURKEY. Kawada, K.; Ohta, R. (Geol. Surv. Japan, Tokyo, Japan). Chishitsu Nyusu; 247: 39-43(1975).
Kizildene geothermal area. TURKEY;POWER GENERATION;GEOTHERMAL GRADIENTS;GEOTHERMAL RESOURCES;METAMORPHIC ROCKS;SEDIMENTARY ROCKS; GEOTHERMAL FIELDS

837 GEOTHERMAL ENERGY REDISCOVERED. Field, A.A. Heat., Piping Air Cond.; 47: No. 1, 113-114; 116; 118(Jan 1975).
Distribution and potential. GEOTHERMAL RESOURCES;GEOTHERMAL WELLS;FRANCE;ITALY; RECOVERY;ECONOMICS;DISTRICT HEATING;HEAT PUMPS; HEAT EXCHANGERS;GEOLOGICAL SURVEYS;TEMPERATURE GRADIENTS

838 GEOTHERMAL ENERGY UTILIZATION IN JAPAN. Axtell, L.H. Geotherm. Energy Mag.; 3: No. 2, 5-18(Feb 1975).
JAPAN;GEOTHERMAL ENERGY;USES;ELECTRIC POWER; POWER GENERATION;GEOTHERMAL POWER PLANTS; EQUIPMENT;OPERATION;PLANNING;MATSUKAWA GEOTHERMAL FIELD;OTAKE GEOTHERMAL FIELD; BALNEOLOGY;GREENHOUSES;BY-PRODUCTS;SPACE HEATING;REVIEWS

839 NEW ZEALAND PRESSES GEOTHERMAL POWER SEARCH. Scholes, W.A. Geotherm. Energy Mag.; 3: No. 2, 42-44(Feb 1975).
NEW ZEALAND;GEOTHERMAL RESOURCES;PLANNING; GEOTHERMAL ENERGY;USES;BROADLANDS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;PLANNING

840 PANAMA'S GEOTHERMAL FIELDS. Merida, J. (Mineral Resources Ministry of Commerce and Industry, Panama City). Geotherm. Energy Mag.; 3: No. 3, 20-23(Mar 1975).
22 thermal-mineral areas. PANAMA;GEOTHERMAL FIELDS;THERMAL WATERS;HOT SPRINGS;GEOTHERMAL RESOURCES;MAPS;GEOLOGY

841 PANAMA'S GEOTHERMAL FIELDS. Merida, J. (Mineral Resources Ministry of Commerce and Industry, Panama City). Geotherm. Energy Mag.; 3: No. 3, 20-23(Mar 1975).
22 thermal-mineral areas. PANAMA;GEOTHERMAL FIELDS;THERMAL WATERS;HOT SPRINGS;GEOTHERMAL RESOURCES;MAPS;GEOLOGY

842 GEOTHERMAL EXPLORATION DEVELOPMENTS IN ISRAEL. Meidav, T. (Geonomics, Inc., Berkeley, CA). Geotherm. Energy Mag.; 3: No. 5, 20-22(May 1975).
ISRAEL;GEOTHERMAL EXPLORATION;HOT SPRINGS; GEOTHERMAL RESOURCES;GEOLOGY;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS

843 DEVELOPMENT PROGRAM OF GEOTHERMAL RESOURCES IN THE NORTHEAST JAPAN AND HOKKAIDO BY JMC. Mori, Y. (Japan Metals and Chemicals Co., Ltd., Tokyo). Geotherm. Energy Mag.; 3: No. 7, 16-17(Jul 1975).
JAPAN;GEOTHERMAL RESOURCES;MATSUKAWA GEOTHERMAL FIELD;POWER GENERATION;ELECTRIC POWER;GEOTHERMAL POWER PLANTS;GEOTHERMAL EXPLORATION;PLANNING;GEOTHERMAL ENERGY

Site Geology, Hydrology, and Geothermal Systems

Refer also to citation(s) 92, 113, 130, 297, 355, 428, 497, 738, 2036, 2049, 2062, 2318, 2325, 2442, 2466, 3008, 3310, 4202, 4400, 4621

844 (AD--644259) PERMAFROST AND THE GEOTHERMAL REGIMES. Lachenbruch, A.H.; Greene, G.W.; Marshall, B.V. (Geological Survey, Washington, D.C. (USA)). 1966. 16p. NTIS $3.00.
EARTH PLANET;TEMPERATURE MEASUREMENT;HEAT FLOW;CLIMATES;ALASKA

845 (AD--756353) TERRESTRIAL REMOTE SENSING. IV. APPLICATIONS OF THERMAL INFRARED SCANNERS TO THE GEOLOGICAL SCIENCES. Williams, R.S. Jr. (Air Force Cambridge Research Labs., L.G. Hanscom Field, Mass. (USA)). 10 Jan 1973. 19p. NTIS.
REMOTE SENSING;INFRARED SURVEYS;GEOLOGY; VOLCANOES;SURFACES;RADIOMETERS;HYDROLOGY;EARTH CRUST;GEOTHERMAL FIELDS;GEOLOGICAL SURVEYS

846 (CONF-740209--, pp 251-272) INFLUENCE OF MECHANICAL STRESSING ON HEAT FLOW. Rinehart, J.S. (Hyper Dynamics, Santa Fe, NM). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
STRESSES;VOLCANIC REGIONS;MASS TRANSFER;HEAT TRANSFER;FRACTURES;FLUID FLOW;TECTONICS;TIDE; GRAVITATION;GEOLOGY;VARIATIONS;GEYSERS;OLD FAITHFUL GEYSER

847 (LA--5362-MS) REGIONAL GEOLOGY AND GEOPHYSICS OF THE JEMEZ MOUNTAINS. West, F.G. (Los Alamos Scientific Lab., N.Mex. (USA)). Aug 1973. Contract W-7405-eng-36. 7p. Dep. NTIS $4.00.
GEOTHERMAL ENERGY;GEOLOGY;GEOPHYSICS; MOUNTAINS;NEW MEXICO;USA;JEMEZ MOUNTAINS

848 (PB--218830, pp 50) HELLPOWER. Hayeland, J.A. 1972.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL ENERGY;GEOTHERMAL SYSTEMS;USES; EXPLOITATION;GEOTHERMAL RESOURCES;POWER GENERATION;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS; THERMAL WATERS;GEOTHERMAL FIELDS

849 (PB--220732) MIXTURA, COMPUTER PROGRAM FOR THE CALCULATION OF HOT WATER TEMPERATURE AND MIXING FRACTIONS OF LARGE VOLUME WARM SPRINGS OF MIXED WATER ORIGIN. Truesdell, A.H.; Fournier, R.O.; Thompson, J.M. (Geological Survey, Menlo Park, Calif. (USA)). Mar 1973. 12p. NTIS $3.00; $0.95 (mf).
HOT SPRINGS;GROUND WATER;MIXING;MEDIUM TEMPERATURE;IBM COMPUTERS;COMPUTER CODES; COMPUTER CALCULATIONS;CHEMICAL COMPOSITION; SILICON OXIDES;ABUNDANCE;TEMPERATURE MEASUREMENT;M CODES

850 (PB--234233) EXPLORATION OF MULTIPHASE FLUID FLOW IN A SALINE AQUIFER SYSTEM AFFECTED BY GEOTHERMAL HEATING. (FINAL REPORT). Henry, H.R.; Hilleke, J.B. (Alabama Univ., University. Bureau of Engineering Research). Jul 1972. Contract DI-14-08-0001-12681. 123p. (BER--150-118). NTIS $9.25; $1.45 (mf).
AQUIFERS;HYDRAULICS;GEOTHERMAL ENERGY;LIQUID WASTES;WASTE DISPOSAL;FLUID FLOW

851 (TT--72-56033) APPLICATION OF GEOPHYSICAL METHODS IN THE INVESTIGATION OF MINERAL AND THERMAL WATERS. Milanovic, B. (Bureau of Reclamation, Washington, DC). 1973. 9p. NTIS $3.00; $1.45 (mf).
THERMAL WATERS;MINERAL SPRINGS;GEOLOGIC STRATA;ROCKS;HYDROLOGY;ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; SEISMIC SURVEYS;MEASURING METHODS

852 GEYSERS OF THE YELLOWSTONE NATIONAL PARK. Weed, W.H. Washington, DC; United States of America (USA); US Dept. Interior, Natl. Park Serv. (1921). 29p.
ICELAND;NEW ZEALAND;YELLOWSTONE NATIONAL PARK;GEYSERS

853 NOTES ON THE DISCUSSION OF THE PAPERS PRESENTED IN THE SYMPOSIUM ON HOT SPRINGS, AND GENERAL SUMMARY OF THE SYMPOSIUM ON HOT SPRINGS. Sosman, R.B. J. Geol.; 32: No. 6, 464-71(1924).
HOT SPRINGS;ORIGIN;THERMAL WATERS;METEORIC WATER;MAGMA;GEOTHERMAL ENERGY;FUMAROLES;HEAT

854 NOTE ON TEMPERATURE GRADIENTS IN THE PERMIAN BASIN. Lang, W.T.B. J. Wash. Acad. Sci.; 20: No. 7, 121-3(1930).
NEW MEXICO;GEOTHERMAL GRADIENTS;ROCKS; THERMAL CONDUCTIVITY

855 VOLCANOES. Tyrrell, G.W. London; United Kingdom of Great Britain and Northern Ireland (UK); T. Butterworth Ltd. (1931). 252p.
ICELAND;CALIFORNIA;HAWAII;GEYSERS;HOT SPRINGS;VOLCANOES;LAVA

856 GEYSERS. Allen, E.T. J. Wash. Acad. Sci.; 22: 314-15(1932).
GEYSERS;HYDROLOGY;HEAT TRANSFER;NATURAL STEAM

857 WHEN SHOULD SPRING WATERS BE MEASURED. Stiny, J. Geol. Bauwesen; 5: No. 4, 264-8(1933).
GROUND WATER;THERMAL WATERS;TEMPERATURE MEASUREMENT;TEMPERATURE MONITORING

858 HYDROTHERMAL DEPTH-ZONES. Graton, L.C. pp 181-97 of Ore deposits of the western states. New York; AIME (1933).
HYDROTHERMAL SYSTEMS;DEPTH;ORES;GEOLOGIC DEPOSITS;ZONES;MAGMA

859 MECHANISM OF GEYSERS. Day, A.L. Science; 82, New Ser.: 573(1935).
ICELAND;YELLOWSTONE NATIONAL PARK;GEYSERS; FLOW RATE;PERFORMANCE;MOCKUP

860 CONVECTION CURRENTS IN GEYSERS. Hales, A.L. Royal Astron. Soc., Monthly Not., Geophys. Suppl.; 4: 122-31(1937).
GEYSERS;CONVECTION;FLUID FLOW;MATHEMATICAL MODELS;TEMPERATURE GRADIENTS;FLOW RATE; VISCOSITY;BOILING

861 BOTTOM-HOLE TEMPERATURE MEASUREMENT. Strong, M.W. pp 519-22 of Science of petroleum, Volume 1. New York; Oxford Univ. Press (1938).
EARTH CRUST;GEOPHYSICAL SURVEYS;TEMPERATURE DISTRIBUTION;GEOLOGIC STRATA;HEAT FLOW; GEOTHERMAL GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT;THERMAL EQUILIBRIUM

862 TEMPERATURES IN THE LAVA BEDS OF EAST-CENTRAL AND SOUTH-CENTRAL OREGON. Van Orstrand, C.E. Am. J. Sci.; 35: No. 205, 22-46(1938).
OREGON;HOT SPRINGS;GEOTHERMAL WELLS; TEMPERATURE GRADIENTS;HYDROLOGY;GEOLOGY; VOLCANIC REGIONS;VOLCANIC ROCKS

863 PILOT PLANT PLANNED FOR DEVELOPING GEOTHERMAL BRINE. Chem. Engr.; 42: No. 35, 20(1940).
CALIFORNIA;PILOT PLANTS;PLANNING;INDUSTRIAL PLANTS;RECOVERY;MINERALS;ECONOMIC DEVELOPMENT; BY-PRODUCTS;BRINES;PROSPECTING;MINERAL RESOURCES

864 FUMAROLES, HOT SPRINGS, AND GEYSERS. Reynolds, S.H. Proc. Natural. Soc.; 9, Ser. 4, Pt. 2: 251-63(1941).
ICELAND;NEW ZEALAND;YELLOWSTONE NATIONAL PARK;GEYSERS;FUMAROLES;HOT SPRINGS

865 FACTORS IN THE DEPOSITION OF HYDROTHERMAL ORES. Hulin, C.D. Econ. Geol.; 42: No. 4, 413-14(1947).
MINERALIZATION;HYDROTHERMAL ALTERATION;ROCKS; ORES;BOILING;GEOLOGIC DEPOSITS;THERMAL EQUILIBRIUM;DEPOSITION

866 CRITERIA OF EXPLORATION FOR GEOTHERMAL ENERGY. Ippolito, F. Accad. Naz. Lincei Rend.; 2: No. 6, Ser. 8, 821-7(1947).
Plutonic and volcanic reserves. LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY;VOLCANIC REGIONS;GEOLOGY; GEOTHERMAL FLUIDS;POWER GENERATION;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;IGNEOUS ROCKS

867 FUMAROLIC-HOT SPRING AND 'EPITHERMAL' MINERAL DEPOSIT ENVIRONMENT. Schmitt, H. Colo. Sch. Mines Quart.; 45: No. 1-B, 209-29(1950).
VOLCANIC REGIONS;GEOLOGIC DEPOSITS;MINERALS; ORES;GEOLOGY;HYDROTHERMAL ALTERATION;FUMAROLES; HOT SPRINGS;METEORIC WATER;SILICON COMPOUNDS; ORIGIN;FUMAROLIC FLUIDS;CARBON DIOXIDE;SULFUR; THERMAL WATERS;CHEMICAL COMPOSITION

868 OCCURRENCE AND DISTRIBUTION OF THERMAL SPRINGS. Waring, G.A. pp 439-448 of Proceedings of 7th Congress of Pacific Science Association, New Zealand, 1949, Volume 2. Wellington, N.Z.; Pacific Sci. Assoc. (1953).
HOT SPRINGS;GEOTHERMAL FIELDS;BIBLIOGRAPHIES

869 RADIOACTIVITY OF SPRING WATERS OF HOT SPRINGS NATIONAL PARK AND VICINITY IN ARKANSAS. Kuroda, P.K. Am. J. Sci.; 252: No. 2, 76-86(1954).
Radon content. ARKANSAS;HOT SPRINGS;RADON; RADIOACTIVITY;CHEMICAL COMPOSITION

870 HYDROTHERMAL ALTERATION AND OTHER CHARACTERISTICS OF FIVE EXPLORED HOT-SPRING SYSTEMS. White, D.E. Geol. Soc. Am., Bull.; 65: No. 12, Pt. 2, 1325-1326(1954).
YELLOWSTONE NATIONAL PARK;STEAMBOAT SPRINGS; WAIRAKEI GEOTHERMAL FIELD;HOT SPRINGS; HYDROTHERMAL ALTERATION;CALIFORNIA;GEOLOGY

871 THERMAL SPRINGS AND EPITHERMAL ORE DEPOSITS. White, D.E. Econ. Geol.; 50th Anniversary Volume: 100-154(1955).
HOT SPRINGS;GEOLOGY;ORES;GEOLOGIC DEPOSITS

872 GEOTHERMAL ENERGY AND FLOW OF UNDERGROUND FLUIDS. Goguel, J. Rev. Inst. Fr. Pet. Ann. Combust. Liquides; 13: No. 2, 143-8(Feb 1958).
GEOTHERMAL GRADIENTS;GROUND WATER;FLUID FLOW; CONVECTION;GEOTHERMAL ENERGY;HYDROLOGY;THERMAL WATERS

873 SUBSURFACE DISCHARGE FROM THERMAL SPRINGS. Benseman, R.F. J. Geophys. Res.; 64: No. 8, 1063-5(1959).
HOT SPRINGS;GEYSERS;FUMAROLES;TEMPERATURE MEASUREMENT;MEASURING METHODS;THERMAL WATERS; HEAT;POWER POTENTIAL;HEAT FLOW;NATURAL STEAM

874 PHYSICAL AND CHEMICAL INVESTIGATIONS IN WHITE ISLAND (N.Z. DEPT. SCI. INDUST. RES., BULL. 127). Wilson, S.H. N. Z. J. Geol. Geophys.; 5: No. 3, 462(1959).
NEW ZEALAND;GEOTHERMAL FIELDS;HOT SPRINGS; GEOTHERMAL ENERGY;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;DATA

875 GEOTHERMY IN REGIONAL GEOLOGY AND IN THE STUDY OF SUBSURFACE TECTONICS. D'yakonov, D.I. Geol. Nefti Gaza; No. 11, 50-4(1960).
GEOLOGY;EARTH CRUST;ARTESIAN BASINS; TECTONICS;SEDIMENTARY ROCKS;STRATIGRAPHY; TEMPERATURE MEASUREMENT;HYDROLOGY; GEOTHERMOMETRY

876 POSSIBILITY OF VOLCANIC HOT SPRINGS OF METEORIC AND MAGMATIC ORIGIN AND THEIR PROBABLE LIFE SPAN. Fukutomi, T. Hokkaido Univ. Fac. Sci. J.; 1: No. 4, Ser. 7, 224-65(1960).
HOT SPRINGS;MAGMA;METEORIC WATER;ORIGIN; TEMPERATURE GRADIENTS;NEW ZEALAND;USA;JAPAN; WEST INDIES;VOLCANIC REGIONS;MAGMATIC WATER; RESERVES

877 ORIGIN AND CLASSIFICATION OF RECENT HYDROTHERMAL WATERS. Ivanov, V.V. Geokhimiya; No. 5, 443-50(1960). (English summary).
THERMAL WATERS;CHEMICAL COMPOSITION;GEYSERS; REVIEWS;ORIGIN

878 PROBLEM OF THE METHODS FOR DETERMINING THE PRESENCE OF VOLCANIC VAPOURS AT DEPTH. Nekhoroshev, A.S. Bull. Volcanol.; 23: No. 2, 271-276(1960).
Calculation of volcanic steam pressures at depth. VOLCANOES;NATURAL STEAM;PRESSURE GRADIENTS;UNDERGROUND;ENTHALPY;HEAT TRANSFER; GEOTHERMAL ENERGY;NUMERICAL SOLUTION;GEOTHERMAL EXPLORATION

879 HYDROTHERMAL RESOURCES OF AREAS OF RECENT VOLCANISM. Ivanov, V.V. pp 52-62 of Voprosy vulkanisma. Yerevan; Tr. Vses. Vulkanol. Soveshchaniye (1962).
From 1. Tr. Vses. Vulkanol. Soveshchaniye; Yerevan (1959).
HYDROTHERMAL SYSTEMS;THERMAL WATERS;VOLCANIC REGIONS;GEOCHEMISTRY;ORIGIN;MAGMA;GEOTHERMAL RESOURCES;NATURAL STEAM;FUMAROLIC FLUIDS

880 PROBLEM OF THE BASIS OF A PROCEDURE FOR DETERMINING THE PRESSURE OF VOLCANIC STEAM AT DEPTH. Nekhoroshev, A.S. pp 45-8 of Voprosy vulkanizma. Yerevan; Tr. Vses. Vulkanol. Soveshchaniye (1962).
From 1. Vses. Vulkanol. Soveshchaniye, Trudy; Yerevan, USSR (1959).
GEOTHERMAL SYSTEMS;NATURAL STEAM;PRESSURE GRADIENTS;DEPTH;TEMPERATURE GRADIENTS;FLUID FLOW;ENTHALPY;TEMPERATURE DEPENDENCE;NUMERICAL SOLUTION

881 GEOTHERMAL HEAT FLOW IN THE GULFS OF CALIFORNIA AND ADEN. Von Herzen, R.P. Science; 140: No. 3572, 1207-8(1963).

SEAS;HEAT FLOW

882 FUMAROLES, HOT SPRINGS, AND HYDROTHERMAL ALTERATION. White, D.E. Trans. Am. Geophys. Union; 44: No. 2, 508-11(1963).
FUMAROLES;HOT SPRINGS;HYDROTHERMAL ALTERATION;REVIEWS

883 GEOTHERMY IN REGIONAL GEOLOGY AND FOR STUDY OF SUBSURFACE TECTONICS. Dyakonov, D.I. Pet. Geol. (USSR) (Engl. Transl.); 4: No. 11-B, 657-661(1963).
GEOPHYSICAL SURVEYS;ROCKS;GEOTHERMAL GRADIENTS;TECTONICS;STRATIGRAPHY;LITHOLOGY; ARTESIAN BASINS;THERMAL CONDUCTIVITY

884 THEORY AND TECHNOLOGY OF A GEOTHERMAL FIELD. Facca, G.; Tonani, F. Bull. Volcanol.; 27: 143-89(1963).
From 13. General Assembly of International Union Geod., Geophys.; Berkeley, CA (1964).
GEOTHERMAL FIELDS;WATER;EVAPORATION; GEOTHERMAL WELLS;EXPLOITATION;SITE SELECTION; PRESSURE GRADIENTS

885 TOPOGRAPHICAL CORRECTIONS IN GEOTHERMAL PROSPECTING. MEASUREMENT OF THE BOREHOLE GRADIENT. Mongelli, F.; Morelli, C. Boll. di Geofisica Teorica ed Applifata, V; No. 20, 8p.(Dec 1963). (In Italian).
ITALY;GEOTHERMAL FIELDS;EXPLORATION; BOREHOLES;GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS;CORRECTIONS;TOPOGRAPHY

886 NATURAL STEAM GEOLOGY AND GEOCHEMISTRY. Facca, G.; Tonani, F. pp 219-28 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (In English with French summary)
GEOTHERMAL FIELDS;GEOLOGY;GEOCHEMISTRY; NATURAL STEAM;HEAT TRANSFER;THERMAL WATERS; CONVECTION;GEOTHERMAL EXPLORATION;CAP ROCK; AQUIFERS;MAGMA;PRODUCTION

887 EARTH HEAT FLOW MEASUREMENTS IN LAST DECADE. Birch, F. pp 403-29 of Advances in earth science - contributions to international conference, Sep 1964. Int. Conf. Adv. Earth Sci. (Sep 1964).
EARTH CRUST;HEAT FLOW;GEOPHYSICAL SURVEYS; ACCURACY;MEASURING METHODS

888 GEOTHERMAL UTILIZATION. Hayakawa, M. Volcanol. Soc. Jap. Bull.; 10th Anniv. Volume, Ser. 2: 197-204(1965). (In Japanese with English abstract).
HOT SPRINGS;HEAT FLOW;MAGMA;GEOTHERMAL FIELDS;TABLES;GEOTHERMAL RESOURCES

889 STEAM WELLS. Calif. Div. Mines, Geol., Mineral Info. Serv.; 18: No. 10, 185(1965).
CALIFORNIA;JAPAN;GEOTHERMAL FIELDS;IMAGES; NATURAL STEAM;GEOTHERMAL WELLS

890 THERMAL SPRINGS OF THE UNITED STATES AND OTHER COUNTRIES OF THE WORLD - A SUMMARY. Waring, G.A. US Geological Survey, Professional Paper 492. Washington, DC; United States of America (USA); US Geological Survey (1965). 383p.
HOT SPRINGS;CHEMICAL COMPOSITION;FLOW RATE; DISTRIBUTION;BIBLIOGRAPHIES;USA;GEOLOGY;TABLES

891 GEOLOGICAL STUDY OF MATSUKAWA GEOTHERMAL AREA, IWATO PREFECTURE, JAPAN. Nakamura, H. pp 121-2 of International Symposium Volcanol., New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
MATSUKAWA GEOTHERMAL FIELD;GEOTHERMAL RESOURCES;STEAM;PERFORMANCE;GEOLOGICAL SURVEYS; POWER POTENTIAL;GEOLOGIC STRATA;LAVA;JAPAN

892 GEOTHERMAL ENERGY. White, D.E. pp 186-7 of International Symposium Volcanol., New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
HOT SPRINGS;GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;HYDROTHERMAL SYSTEMS;HEAT STORAGE;ENERGY YIELD;GEOLOGIC FAULTS;VOLUME;AQUIFERS; TEMPERATURE DISTRIBUTION

893 HYDROTHERMAL SYSTEMS, THEIR ORIGIN AND EXPLORATION. Bamvell, C.J. pp 11-12 of International Symposium on Volcanology, New Zealand. Wellington, N.Z.; Int. Symp. Volcanol. (1965).
HYDROTHERMAL SYSTEMS;ORIGIN;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY;EXPLOITATION; GEOLOGY;WELL DRILLING;VOLCANIC REGIONS; GEOTHERMAL FIELDS;LARDERELLO GEOTHERMAL FIELD; GEYSERS GEOTHERMAL FIELD;ICELAND;WAIRAKEI GEOTHERMAL FIELD

894 WHAT IS VOLCANOLOGY. Iwasaki, I.; . Volcanol. Soc. Japan Bull.; 10th Anniv. Volume, Ser. 2: 15-20(1965). (In Japanese with English abstract).
VOLCANOES;GEOPHYSICS;ORIGIN;GEOLOGY; FUMAROLES;FUMAROLIC FLUIDS;HOT SPRINGS;AGE ESTIMATION;GEOTHERMAL ENERGY;USES;EXPLOITATION; MAGMA

895 HYDROTHERMAL PROCESS IN VOLCANIC AREAS AND ITS RELATION TO MAGMATIC ACTIVITY. Averjev, V.V. pp 8-9 of International Symposium on Volcanology, New Zealand. Wellington, N.Z.; Int. Symp. Volcanol. (1965).
VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS; NATURAL STEAM;HIGH PRESSURE;AQUEOUS SOLUTIONS; MAGMA;NEW ZEALAND

896 PHYSICAL PROCESSES IN GEOTHERMAL AREAS. Elder, J.W. Geophysical Union, Natl. Acad. Sci., Natl. Res. Council, Geophysical Monograph Ser.; 8: 211-39(1965).
GEOTHERMAL FIELDS;HEAT FLOW;HYDROLOGY;ITALY; TWO-PHASE FLOW;HEAT TRANSFER;MASS TRANSFER

897 HEAT OF THE EARTH AND ITS PRACTICAL UTILIZATION. Dzhamalov, S.A.; Levkovich, R.A.; Suyetnov, V.V. Moscow; Izdatel'stvo 'Nauka' (1965). 110p.
EARTH CRUST;TEMPERATURE DISTRIBUTION;DEPTH; GEOTHERMAL ENERGY;USES

898 SOME CONSIDERATIONS ON THE OPTIMUM PRODUCTION AND USE OF GEOTHERMAL ENERGY. Bodvarsson, G. Joekull (Reykjavik); 16: No. 3, 199-206(1966).
GEOTHERMAL ENERGY;PRODUCTION;USES;REVIEWS; HYDROLOGY;GEOLOGY;GEOPHYSICS

899 GEOTHERMAL ENERGY. White, D.E. Bull. Volcanol.; 29: 481-3(1966).
GEOTHERMAL FIELDS;HOT SPRINGS;CAP ROCK; AQUIFERS;GEOLOGY;PERMEABILITY

900 INTERRELATIONSHIPS OF PHYSICAL AND

CHEMICAL PROPERTIES OF KAOLINITES. Bundy, W.M.; Johns, W.D.; Murray, H.H. pp 331-46 of Proceedings of 14th National Conference of Clays, Clay Minerals, Berkeley, CA, 1965. London-New York; Pergamon Press (1966).
GRANITES;HYDROTHERMAL ALTERATION;KAOLIN; PHYSICAL PROPERTIES;CHEMICAL PROPERTIES

901 HYDROTHERMAL PROCESS IN VOLCANIC REGIONS AND ITS RELATION TO MAGMATIC ACTIVITY. Averyev, V.V. pp 118-28 of Sovremennyy Vulkanizm. Yerevan; Tr. Vses. Vulkanol. Sovesh., 2nd, Volume 1 (1966).
VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS; TEMPERATURE DISTRIBUTION;MAGMA

902 ROLE OF GROUND WATERS IN GAS HYDROTHERMAL ACTIVITY OF REGIONS OF CONTEMPORARY VOLCANISM. Ivanov, V.v. pp 158-91 of Sovremennyy Vulkanizm. Yerevan; Tr. Vses. Vulkanol. Sovesh., 2nd, Volume 1 (1966).
VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS;GROUND WATER;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION

903 EFFECT OF HYDROGEOLOGIC FACTORS ON THE RESULTS OF GEOTHERMAL MEASUREMENTS. Kutas, R.I.; Lyak'ko, V.I.; Mitnik, M.M. Akad. Nauk Ukrayin. RSR Dopovidi, ser. B; No. 12, 1077-1081(1967). (In Russian).
HEAT FLOW;TEMPERATURE MEASUREMENT;HYDROLOGY; CONVECTION;EQUATIONS;GEOLOGY;HEAT TRANSFER

904 PHYSICAL AND CHEMICAL VARIATIONS IN THE DISCHARGE OF A FLOWING WELL. Summers, W.K.; Brandvold, L.A. Ground Water; 5: No. 1, 9-10(1967).
AQUIFERS;GROUND WATER;PHYSICAL PROPERTIES; CHEMICAL PROPERTIES;CHEMICAL COMPOSITION; VARIATIONS;TIME DEPENDENCE;GEOCHEMISTRY; ABUNDANCE;FLOW RATE;MAGNESIUM;CALCIUM;POTASSIUM; SODIUM;PH VALUE;TEMPERATURE DISTRIBUTION; LITHIUM

905 HYDROTHERMAL ALTERATION OF BASALTIC ANDESITE AND OTHER ROCKS IN DRILL HOLE GS-6, STEAMBOAT SPRINGS, NEVADA. Schoen, R.; White, D.E. pp 110-19(Chap. B) of US Geological Survey Professional Paper 575-B. Washington, DC; US Geol. Surv. (1967).
THERMAL WATERS;HYDROTHERMAL ALTERATION; FELDSPARS;KAOLIN;BASALT;STEAMBOAT SPRINGS; BOREHOLES;VOLCANIC ROCKS;ILLITE;MONTMORILLONITE; CARBON DIOXIDE;HYDROGEN SULFIDES

906 NUCLEAR GEOLOGY ON GEOTHERMAL AREAS, SPOLETO, 1963. Tongiorgi, E. (ed.). Spoleto; Italy; Cons. Naz. Ric., Lab. Geol. Nucl. (1967). 284p.
GEOTHERMAL FIELDS;GEOLOGY;MEETINGS; BIBLIOGRAPHIES

907 METHOD OF MEASURING THE DISPERSED HEAT LOSS ON THERMAL FIELDS. Kovalev, G.N. Akad. Nauk SSSR, Sibirskoye Otdeleniye, Vulkanol. Sta. Byull.; No. 42, 17-21(1957).
GEOTHERMAL FIELDS;HEAT TRANSFER;HOT SPRINGS; THERMAL WATERS;NATURAL STEAM;GEYSERS; HYDROTHERMAL SYSTEMS;SOILS;TEMPERATURE MEASUREMENT;HEAT FLOW

908 HYDROTHERMAL PROCESSES IN VOLCANIC AREAS AND ITS RELATIONS TO MAGMATIC ACTIVITY. Averyev, V.V. Bull. Volcanol.; 30: 51-62(1967).
HYDROTHERMAL SYSTEMS;ORIGIN;VOLCANIC REGIONS; GLACIERS;EARTH CRUST;MAGMA;HEAT TRANSFER; HYDROTHERMAL ALTERATION

909 SELF-SEALING GEOTHERMAL FIELD. Facca, G.; Tonani, F. Bull. Volcanol.; 30: 271-3(1967).
GEOTHERMAL FIELDS;GEOLOGY;ROCKS;HYDROTHERMAL ALTERATION;PERMEABILITY;AQUIFERS

910 THROUGH THE LOOGING GLASS - COMPARATIVE STUDY OF NEW ZEALAND AND CALIFORNIA. Hatherton, T. Nature (London); 220: No. 5168, 660-3(1968).
NEW ZEALAND;CALIFORNIA;GEOTHERMAL RESOURCES; GEOLOGY;GEYSERS;GEOLOGIC FAULTS;VOLCANIC REGIONS;GEOTHERMAL ENERGY;COMPARATIVE EVALUATIONS

911 PROBLEM OF MOVEMENT IN HYDROTHERMAL SOLUTIONS. Naumov, G.B.; Acheyev, B.N.; Yermolayer, N.P. Geol. Rud. Mestorozhd.; 10: No. 4, 29-39(1968).
GROUND WATER;DIFFUSION;GEOLOGIC DEPOSITS; THERMAL WATERS;HYDROLOGY;HYDROTHERMAL SYSTEMS

912 MAIN REGULARITIES OF THE FORMATION OF HYDROTHERMAL WATERS IN THE REGIONS OF RECENT VOLCANISM. Ivanov, V.V.; Kononov, V.I.; Sugrobov, V.M. pp 151-9 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, Symposium 2. Prague; International Geological Congress (1968).
From 23. International Geological Congress, Symposium 2; Prague, Czech. (1968).
VOLCANIC REGIONS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOCHEMISTRY;HYDROGEN SULFIDES; CARBON DIOXIDE;NITROGEN;GEOCHEMICAL SURVEYS; GEOLOGY

913 FILTRATION OF HEAT CARRIERS IN EARTH CORE ROCKS AT A DEPTH OF FROM 5 TO 8 KILOMETERS. Gorbenko, V.S.; Ponomarev, V.P.; Fialko, A.I. pp 25-30 of Thermophysics and thermoengineering mining thermophysics. Tolubinskij, V.I. (ed.). Akad. Nauk Ukr., RSR, Dopovidi (1968).
EARTH CRUST;ROCKS;GEOLOGIC FISSURES;HOT-DRY-ROCK SYSTEMS;GEOTHERMAL ENERGY;BOILERS; UNDERGROUND;HEAT EXCHANGERS;GEOTHERMAL ENERGY CONVERSION

914 GEOLOGICAL CONSIDERATIONS ON THE HEAT SOURCES OF HOTSPRINGS AND GEOTHERMAL AREAS. Isnikawa, T. Volcanol. Soc. Jap., Bull.; 13: No. 3, 160(1968).
HOT SPRINGS;GEOTHERMAL FIELDS;GEOLOGY;HEAT FLOW

915 PROBLEM OF THE SOURCES OF THERMAL ENERGY FOR THE FORMATION OF HYDROTHERMAL SOLUTIONS. Letnikov, F.A. pp 161-165 of Mineralogicheskaya Termometriya I Barometriya; Tom 1, Geokhimiya Glubinnykh Mineraloobrazuyushchikh Rastvorov. Moscow; Izd. Nauka (1968).
THERMAL WATERS;ORIGIN

916 QUANTITATIVE ANALYSIS OF TEMPERATURE FIELDS DUE TO MOVEMENT OF HYDROTHERMAL SOLUTIONS ALONG FRACTURES. Shirokikh, I.N.; Shcherban', I.P. Geol. Geofiz. (Akad. Nauk SSSR, Sib. Otd.); No. 6, 132-137(1968).
THERMAL WATERS;FLUID FLOW;GEOLOGIC FAULTS; TEMPERATURE DISTRIBUTION;GEOLOGIC FISSURES; HYDROTHERMAL SYSTEMS

917 DETERMINATION OF THE VELOCITY OF FLUID

MOVEMENT AT DEPTH AND ROCK PERMEABILITY BY GEOTHERMAL DATA. Lyal'ko, V.I.; Mitnik, M.M. Dopov. Akad. Nauk Ukr. RSR, Ser. B; No. 5, 389-93(1968).
GROUND WATER;FLOW RATE;MEASURING METHODS; GEOPHYSICAL SURVEYS;HYDROLOGY;GEOLOGY; TEMPERATURE MEASUREMENT;ROCKS;PERMEABILITY

918 GEOPHYSICAL INVESTIGATIONS ON THE SELF-SEALING GEOTHERMAL FIELDS. Facca, G. Bull Volcanol.; 33: No. 1, 119-121(1969).
Ahuachapan geothermal area. GEOTHERMAL FIELDS;AQUIFERS;CAP ROCK;HYDROTHERMAL SYSTEMS; NATURAL STEAM;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;SEALS

919 LEAD ISOTOPES OF THE RED SEA REGION. Chow, T.J. Earth Planet. Sci. Lett.; 5: No. 3, 143-7(1969).
RED SEA;SEDIMENTS;LEAD ISOTOPES;ISOTOPE RATIO

920 FIRST ISOTOPIC DATA ON THE FUMAROLES OF ITALIAN VOLCANOES. Cheminee, J.; Letolle, R.; Olive, P. Bull. Volcanol.; 32: No. 3, 469-75(1969).
ITALY;FUMAROLES;GASES;CARBON 13;OXYGEN 18; DEUTERIUM;TRITIUM;ISOTOPE RATIO;CARBON ISOTOPES; FUMAROLIC FLUIDS;OXYGEN ISOTOPES;HYDROGEN ISOTOPES

921 HEAT FLOW AND PRECISION TEMPERATURE MEASUREMENTS IN BOREHOLES. Costain, J.K.; Wright, P.M. pp J1-J21 of 10th Annual Society of Professional Well Log Analysts Logging Symposium, Houston, TX, 1969, Transactions. Houston, TX; Prof. Well Log Analysts (1969).
From 10. Annual Society of Professional Well Log Analysts Logging Symposium; Houston, TX (1969).
UTAH;BOREHOLES;HEAT FLOW;TEMPERATURE MEASUREMENT

922 THERMAL CONVECTION IN VERTICAL TUBES WITH APPLICATION TO GEYSERS. Murty, T.S. Tellus; 21: No. 1, 54-63(1969).
GEYSERS;TUBES;SIMULATION;NATURAL CONVECTION; FLUID FLOW;HEAT TRANSFER;HYDRODYNAMICS

923 HEAT OUTPUT OF HYDROTHERMAL SYSTEMS AND ACTIVE VOLCANOES. Kovalev, G.N. Dokl. Akad. Nauk SSSR; 186: No. 4, 814-816(1969).
HYDROTHERMAL SYSTEMS;VOLCANOES;HEAT;ENERGY YIELD;HEAT FLOW

924 THIRD ALL-UNION VOLCANOLOGICAL CONFERENCE. Volkov, V.P. Geokhimiya; No. 12, 1527-9(1969).
VOLCANOES;MEETINGS;GEOCHEMISTRY;PETROLOGY; GEOLOGY;VOLCANIC REGIONS;GEOTHERMAL GRADIENTS; HEAT FLOW;MINERALS;SYNTHESIS

925 HYDRODYNAMICS OF GEOPRESSURE IN THE NORTHERN GULF OF MEXICO BASIN. Jones, P.H. (Geological Survey, Baton Rouge, LA). J. Pet. Technol.; 803-810(Jul 1969).
GEOTHERMAL RESOURCES;BRINES;WATER; HYDRODYNAMICS;GEOPRESSURED SYSTEMS;GEOLOGY;USA; ENVIRONMENT;ENERGY SOURCES;LOUISIANA;TEXAS; ROCKS;DENSITY;GULF OF MEXICO;GEOCHEMISTRY; GEOPHYSICS;BOREHOLES

926 PRE-INVESTIGATION GEOLOGICAL APPRAISAL OF GEOTHERMAL FIELDS. Healy, J. (New Zealand Geol. Surv., Rotorua, N.Z.). Geothermics; No. 2, 571-7(1970).
GEOTHERMAL ENERGY;GEOLOGICAL SURVEYS; GEOTHERMAL EXPLORATION;THERMAL WATERS; GEOTHERMAL FIELDS;FUMAROLES;STEAM;TEMPERATURE GRADIENTS;STRATIGRAPHY;HOT SPRINGS;GEOTHERMAL RESOURCES;GEOLOGY

927 ROLE OF CONVECTION IN FORMATION OF GEOTHERMAL DEPOSITS. Goguel, J. (Bur. des Recherches Geologiques et Minieres, Paris, France). Geothermics; No. 2, 615-21(1970).
GEOTHERMAL FIELDS;CONVECTION;THERMAL WATERS; PERMEABILITY;GEOLOGIC DEPOSITS;HEATING;ROCKS; GEOLOGY;HYDROTHERMAL SYSTEMS

928 GEOTHERMAL RESOURCES AND PRESENT OROGENIC ACTIVITY. Wunderlich, H.G. (Inst. of Geology and Paleontology, Univ. of Stuttgart, W. Germany). Geothermics; Special Issue 2: 1226-30(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HEAT TRANSFER;OROGENESIS;GEOTHERMAL RESOURCES;VOLCANOES

929 ORIGIN OF THERMAL WATERS ON THE BASIS OF THEIR RADIOISOTOPIC CONTENT. Cherdyntsev, V.V. (Geol. Inst., Acad. of Sciences, Moscow, USSR). Geothermics; Special Issue 2: 1340-3(1970).
THERMAL WATERS;URANIUM ISOTOPES;RADIUM ISOTOPES;THORIUM ISOTOPES;RADON 222;ACTINIUM 227;LEAD 210;RADIOISOTOPES;CHEMICAL COMPOSITION; CHEMICAL ANALYSIS;ORIGIN;VOLCANOES

930 ORIGIN OF GEOTHERMAL WATERS OR NATURAL STEAM. Kavlakoglu, S. (Dept. Geophysics, Mineral Res. and Explor. Inst., Ankara, Turkey). Geothermics; Special Issue 2: 1250-5(1970).
THERMAL WATERS;ORIGIN;HEAT;GROUND WATER; FLUID FLOW;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;NATURAL STEAM

931 DISTRIBUTION OF HOT SPRINGS OF THE WORLD. Yuhara, K. Jpn. J. Geol. Geogr.; 79: No. 2, 57-79(1970). (In Japanese with English abstract).
HOT SPRINGS;DISTRIBUTION;TECTONICS;VOLCANOES; FUMAROLES;GEOTHERMAL RESOURCES

932 TERRESTRIAL HEAT FLOW IN THE CELEBES AND SULU SEAS. Nagasaka, K.; Francheteau, J.; Kishii, T. Marine Geophys. Researches; 1: No. 1, 99-103(1970).
PACIFIC OCEAN;HEAT FLOW;TECTONICS

933 HYDROCARBONS IN THERMAL AREAS. pp B22-B23 of Bibliography (Professional paper No. 644-B). Love, J.D.; Good, J.M. (ed.). Washington, DC; US Geol. Surv. (1970).
GEOTHERMAL FIELDS;GEOLOGY;HYDROCARBONS; ABUNDANCE;BIBLIOGRAPHIES

934 GEOLOGIC EVALUATION OF THERMAL INFRARED IMAGERY. CALIENTE AND TEMBLOR RANGES, SOUTHERN CALIFORNIA. Wolfe, E.W. pp 12.1-12.27 of Earth resources aircraft program status review, NASA, Houston, 1968. Volume 1 - geology, geography, and sensor studies. Houston, TX; Manned Spacecraft Center (1970).
CALIFORNIA;GEOLOGIC STRATA;AERIAL PROSPECTING;INFRARED SURVEYS;MOUNTAINS

935 GEOPHYSICS IN UNITED NATIONS PROJECTS. Brown, J.M. pp 651-7 of Mining and groundwater geophysics, 1967, Canada Geological Survey Economic Geology Report No. 26. Canada Geol. Surv. (1970).
DEVELOPING COUNTRIES;GEOPHYSICAL SURVEYS; UNITED NATIONS;AERIAL PROSPECTING;GEOCHEMICAL SURVEYS;GEOLOGICAL SURVEYS;GEOTHERMAL EXPLORATION;MINERALS;GEOLOGIC DEPOSITS;GROUND WATER

936 PARTIAL MELTING IN THE UPPER MANTLE (IN PHASE TRANSFORMATIONS AND THE EARTH'S INTERIOR - SYMPOSIUM, CANBERRA, AUSTRALIA, 1969, PROCEEDINGS). Anderson, D.L.; Sammis, C. Phys. Earth Planet. Inter.; 3: 41-50(1970).
EARTH MANTLE;MELTING;HEAT FLOW;TECTONICS; MAGMA;STABILITY

937 NATURE'S HOT WATER HEATERS. Pampe, W.R. Science and Children (Washington, DC, Natl. Sci. Teachers Assoc.); 7: No. 6, 32-3(1970).
Popular account. GEYSERS;FUMAROLES;VOLCANOES; HOT SPRINGS;REVIEWS

938 VAPOR-DOMINATED HYDROTHERMAL SYSTEMS. White, D.E.; Truesdell, A.H.; Muffler, L.J.P. EOS, Trans., Am. Geophys. Union; 51: No. 4, 453(1970).
HYDROTHERMAL SYSTEMS;VAPORS;GEOTHERMAL ENERGY;DRY-STEAM SYSTEMS

939 HEAT FLOW FROM NATURAL GEYSERS. Rinehart, J. (Essa Research Labs., Boulder, CO; Colorado Univ., Boulder. Dept. Mech. Eng.). Tectonophysics; 10: No. 1-3, 11-17(Sep 1970).
GEYSERS;HEAT FLOW;THERMAL WATERS;STEAM; TEMPERATURE GRADIENTS;HOT SPRINGS;MASS TRANSFER; GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;HEAT TRANSFER

940 CHARACTERISTICS OF THE TEMPERATURE FIELD OF SALT DEPOSITS OF THE CASPIAN DEPRESSION. Zor'kin, L.M.; Stadnik, Ye.V.; Kozlov, V.G. Dokl. Akad. Nauk SSSR; 197: No. 1, 165-7(1971).
GEOTHERMAL FIELDS;TEMPERATURE MEASUREMENT; PRESSURE MEASUREMENT;BOREHOLES;SALTS;GEOLOGIC DEPOSITS;USSR

941 BIMODAL DISTRIBUTION OF PH VALUES OF THERMAL SPRINGS OF THE WORLD. Brock, T.D. Geol. Soc. Am., Bull.; 82: 1393-4(1971).
USA;NEW ZEALAND;ICELAND;HOT SPRINGS;PH VALUE; DISTRIBUTION

942 QUESTION OF ENERGETICS OF ACTIVE VOLCANISM. Kovalev, G.N. pp 41-6 of Vulkanism i glubiny zemli. Moscow; Izd. Nauk. (1971).
GEOTHERMAL SYSTEMS;VOLCANIC REGIONS; VOLCANOES;DISTRIBUTION;GEOTHERMAL ENERGY

943 POSSIBLE EVOLUTION DIRECTION OF CARBONIC ACID AND NITRIC SPRINGS IN NEOTECTONIC REGIONS. Disler, V.N. Byull. Mosk. Obshchest. Ispyt. Prir., Otd. Geol.; 46: No. 3, 114-24(1971). (In Russian).
MINERAL SPRINGS;CARBON DIOXIDE;NITROGEN; NITRATES;FUMAROLES;CHEMICAL COMPOSITION;ORIGIN; VOLCANOES;MAGMA

944 MINERALIZATION OF THE THERMAL WATER FISSURES OF WILDBAD. Maus, H. (Geol. Landesamt Baden-Wuerttemberg, Freiburg/Br., Germany). Jahresh. Geol. Landesamtes Baden-Wuerttemberg; 13: 165-70(1971).
QUARTZ;MINERALIZATION;THERMAL WATERS; MUSCOVITE;BOREHOLES;CARBONATES;CLAYS;MINERALS; GEOLOGIC FISSURES;TOURMALINE;BARITE;HEMATITE

945 VAPOR-DOMINATED HYDROTHERMAL SYSTEMS COMPARED WITH HOT-WATER SYSTEMS. White, D.E.; Muffler, L.J.P.; Truesdell, A.H. (Geological Survey, Menlo Park, CA). Econ. Geol.; 66: No. 1, 75-97(Jan-Feb 1971).
WYOMING;GEOTHERMAL FIELDS;NATURAL STEAM; THERMAL WATERS;HYDROLOGY;GEOLOGY;GROUND WATER; GEYSERS;MASS TRANSFER;HEAT TRANSFER;HEAT FLOW; DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;YELLOWSTONE NATIONAL PARK;WATER VAPOR

946 VAPOR BORN OF THE EARTH. Tonani, F.; Demians, D.; Archimbaud, J. Sci. Prog. Decouverte; No. 3430, 27-35(Feb 1971).
NATURAL STEAM;GEOTHERMAL ENERGY;EARTH CRUST; HYDROTHERMAL SYSTEMS

947 MICROEARTHQUAKES, SWARMS, AND THE GEOTHERMAL AREAS OF ICELAND. Ward, P.L. (Lamont-Doherty Geological Observatory of Columbia Univ., Palisades, NY). J. Geophys. Res.; 76: No. 17, 3953-82(10 Jun 1971).
EARTHQUAKES;GEOTHERMAL FIELDS;ICELAND; SEISMOLOGY;GEOLOGY;FRACTURES

948 DISTORTION OF GEOTHERMAL FIELD IN AQUIFERS BY PUMPING. Schneider, R. pp C267-70 of Geological Survey Research 1972, Chapter C. Washington, DC; Geological Survey (1972).
GEOTHERMAL FIELDS;THERMAL WATERS;TEMPERATURE MEASUREMENT;TEMPERATURE DISTRIBUTION;GROUND WATER;PUMPS;HYDROLOGY;GEOLOGIC DEPOSITS;FLUID FLOW;AQUIFERS

949 EXPLORATION OF MULTIPHASE FLUID FLOW IN A SALINE AQUIFER SYSTEM AFFECTED BY GEOTHERMAL HEATING. Henry, H.R.; Hilleke, J.B. Contract 14-08-0001-12681. Alabama Univ. Bur. of Eng. Res. Report 150-118. Alabama Univ.; Dept. of Civil and Mineral Engineering (Jul 1972). 105p.
AQUIFERS;GROUND WATER;INJECTION WELLS;BRINES; HEATING;GEOTHERMAL ENERGY;TEMPERATURE DISTRIBUTION;FLUID FLOW;TWO-PHASE FLOW; DISPERSIONS;HYDRAULICS;MATHEMATICAL MODELS

950 CONTRIBUTION OF GROUND WATER SYSTEM OF THE DISTRIBUTION OF GEOTHERMAL STATE. Kikkawa, K. (Kyoto Univ., Japan). Contr. Geophys. Inst. Kyoto Univ.; No. 12, 77-85(Dec 1972).
Piezometric level of ground water and thermal waters. GROUND WATER;ROCK DRILLING; TEMPERATURE DISTRIBUTION;CHEMICAL COMPOSITION; THERMAL WATERS;HYDROLOGY

951 BASIC THEORIES. Bullard, E. (Cambridge Univ., Eng.). pp 19-29 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL ENERGY;REVIEWS;GEOLOGY;HEAT TRANSFER;HEAT FLOW;GEOTHERMAL FIELDS;HEATING; MOTION;VOLCANOES;EARTH CRUST

952 STRUCTURE AND BEHAVIOR OF GEOTHERMAL FIELDS. Facca, G. pp 61-69 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and

Cultural Organization (1973).
GEOTHERMAL FIELDS;GEOCHEMISTRY;WATER;STEAM; HEATING;GEOPHYSICS;EARTH CRUST;GEOLOGY;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;GEYSERS GEOTHERMAL FIELD;LARDERELLO GEOTHERMAL FIELD; OTAKE GEOTHERMAL FIELD

953 CHARACTERISTICS OF GEOTHERMAL RESOURCES. White, D.E. (Geological Survey, Menlo Park, CA). pp 69-94 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
HEAT TRANSFER;GEOTHERMAL RESOURCES; DISTRIBUTION;EARTH CRUST;HIGH TEMPERATURE;MAPS; CONVECTION;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS; NATURAL STEAM;GEOPHYSICS;GEOCHEMISTRY;GEOLOGY; THERMAL WATERS

954 ROLE OF GEOLOGY AND HYDROLOGY IN GEOTHERMAL EXPLORATION. McNitt, J.R. (United Nations, New York). pp 33-40 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL RESOURCES;ENERGY SOURCES; GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS; GEOLOGY;GEOCHEMISTRY;GEOPHYSICS;TOPOGRAPHY; ECONOMICS;ROCK DRILLING;PRODUCTION;HYDROLOGY; GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS

955 NEW DATA ON THE STRATIGRAPHY, EXTENT, AND GEOLOGIC HISTORY OF THE RED SEA GEOTHERMAL DEPOSITS. Hackett, J.P. Jr.; Bischoff, J.L. (Dep. Geol. Sci., Univ. South. California, Los Angeles, CA). Econ. Geol.; 68: No. 4, 553-64(1973).
RED SEA;GEOLOGIC DEPOSITS;ECONOMICS; EXPLOITATION;LEAD;ZINC;COPPER;SILVER;GOLD;BY-PRODUCTS;BOREHOLES;STRATIGRAPHY;BASALT;IRON;AGE ESTIMATION;ISOTOPE DATING

956 ROLE OF SUBSURFACE WATERS IN THE FORMATION OF HYDROTHERMAL DEPOSITS. Orfanidi, K.F. Izv. Akad. Nauk Arm. SSR, Nauki Zemle; 26: No. 5, 40-50(1973).
GEOLOGIC FAULTS;ORES;GEOLOGIC DEPOSITS; PRESSURE GRADIENTS;HYDRODYNAMICS;HYDROSPHERE; UNDERGROUND;SYNTHESIS;THERMAL WATERS

957 THEORY ACCOUNTING FOR THE OCCURRENCE AND CHARACTERISTICS OF NATURAL STEAM. Manifold, R.G. pp 23-24 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
NATURAL STEAM;HEAT;GEOTHERMAL SYSTEMS;EARTH CRUST;ORIGIN

958 MAIN GENETIC TYPES AND FORMATION PROCESS OF THERMAE IN VOLCANIC AND NONVOLCANIC AREAS. Ivanov, V.V. pp 174-81 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
REVIEWS;THERMAL WATERS;ORIGIN

959 ICELANDIC GEOTHERMAL ACTIVITY AND THE MERCURY OF THE GREENLAND ICECAP. Siegel, B.Z.; Siegel, S.M.; Thorarinsson, F. (Univ. Hawaii, Honolulu). Nature (London); 241: No. 5391, 526(23 Feb 1973).
MERCURY;ICELAND;ABUNDANCE;GEOTHERMAL FIELDS; NATURAL OCCURRENCE;AIR SAMPLERS;AERIAL MONITORING;GREENLAND

960 VOLCANIC ROCKS AS GEOLOGIC GUIDES TO GEOTHERMAL EXPLORATION AND EVALUATION. Smith, R.L.; Shaw, H.R. (US Geological Survey, Washington, DC; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1213(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
Age, composition and volume. VOLCANIC ROCKS; GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS; SILICON OXIDES;MAGMA;GEOPHYSICAL SURVEYS; SOLIDIFICATION

961 GEYSERS. Champlin, J.D., Jr. pp 783-9 of American Cyclopedia, Volume 7. New York; D. Appleton Co. (1874).
ICELAND;NEW ZEALAND;USA;GEYSERS

962 NATURE'S PRESSURE COOKER. Nowell, R. Geotherm. Energy Mag.; 2: No. 5, 32-33(1974).
NORTH AMERICA;THERMAL WATERS;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION; ECONOMICS;USA;CANADA;CALIFORNIA;GEOTHERMAL RESOURCES

963 EARTH'S THERMAL GRADIENT. Schubert, G.; Anderson, O.L. Phys. Today; 27: No. 3, 28-34(1974).
EARTH CRUST;HEAT FLOW;GEOTHERMAL GRADIENTS; TECTONICS;SEAS

964 PLATE TECTONICS AND MINERAL RESOURCES OF PACIFIC. Rona, P.A.; Neuman, L.D. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1456(1974).
PACIFIC OCEAN;MINERALS;TECTONICS;SEDIMENTS; SEA BED;GEOTHERMAL RESOURCES;MINERAL RESOURCES; ENERGY SOURCES;PETROLEUM;COAL;URANIUM

965 THE STRUCTURE AND BEHAVIOR OF GEOTHERMAL FIELDS. Facca, G. pp 675-683 of Geothermal Resources. Part I and II. Washington, DC; Committee on Interior and Insular Affairs (1974).
GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;SUPERHEATED STEAM;GEYSERS;CALIFORNIA;OTAKE GEOTHERMAL FIELD; LARDERELLO GEOTHERMAL FIELD;ITALY;JAPAN

966 ORIGIN OF SUPERHEATED SODIUM CHLORIDE WATERS FROM RECENT VOLCANIC REGIONS. Arsanova, G.I. (Inst. Vulkanol., Kamchatka, USSR). pp 14-21 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
VOLCANIC REGIONS;SODIUM CHLORIDES;THERMAL WATERS;GEYSERS;POTASSIUM CHLORIDES;CHEMICAL COMPOSITION;QUANTITY RATIO;RUBIDIUM;CESIUM; ORIGIN

967 GEYSERS. Rinehart, J.S. (Univ. of Colorado, Boulder). pp 122-132 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
GEYSERS;GEOLOGIC STRUCTURES;GEOLOGY;REVIEWS; GEOPHYSICS

968 FORMATION OF ORE DEPOSITS NEAR HOT SPRINGS IN THE SEA. Baecker, H.; Richter, H. (Abt. Meerestech., Firma Preussag, Hanover, Germany). Umschau; 74: No. 2, 54-5(1974).
HOT SPRINGS;RED SEA;BRINES;ORES;GEOLOGIC DEPOSITS;GEOLOGIC FAULTS;PACIFIC OCEAN;

MEDITERRANEAN SEA;SEDIMENTATION;METALS;OXIDES; SULFIDES

969 GEOCHEMISTRY AND ENVIRONMENT MANAGEMENT. Dall'Aglio, M. (CNEN, Casaccia, Italy). Com. Naz. Energ. Nucl., Not.; 20: No. 7, 31-42(Jul 1974). (In Italian).
GEOCHEMISTRY;ENVIRONMENT;ENVIRONMENTAL EFFECTS;PROSPECTING;POLLUTION;HEAT FLOW; VOLCANOES;GEOLOGY;EARTHQUAKES;SEISMOLOGY

970 GEYSERS. Rinehart, J.S. EOS, Trans., Am. Geophys. Union; 56: No. 12, 1052-62(Dec 1974).
GEYSERS;GEOLOGY;TEMPERATURE MEASUREMENT; ICELAND;YELLOWSTONE NATIONAL PARK;GEOPHYSICS; OLD FAITHFUL GEYSER;FLOW RATE;SEISMIC SURVEYS; PERFORMANCE;UTAH

971 RECENT DEVELOPMENTS IN THE DETECTION OF SURFACE ALTERATION PRODUCTS FROM LANDSAT-1. Short, N.M. (Goddard Space Flight Center, Greenbelt, MD). pp 1270-1271 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
HYDROTHERMAL ALTERATION;REMOTE SENSING; SATELLITES;EARTH CRUST;GEOLOGIC DEPOSITS; HYDROTHERMAL SYSTEMS;HOT SPRINGS;GEOLOGICAL SURVEYS

972 GEOLOGY AND GEOPHYSICS OF GEOTHERMAL ENERGY. Combs, J.B. (Texas Univ., Dallas). Technol. Rev.; 77: 46-9(1975).
GEOTHERMAL RESOURCES;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; MEASURING METHODS

973 APPLICATION OF SATELLITE IMAGERY TO GEOTHERMAL RESOURCES EXPLORATION. Reynolds, J.T.; Wagner, C.G. Geotherm. Energy Mag.; 3: No. 5, 45-54(May 1975).
GEOTHERMAL EXPLORATION;SATELLITES;INFRARED SURVEYS;IMAGES;GEOLOGIC STRUCTURES;LITHOLOGY; TECTONICS;SKYLAB;CAMERAS;IMAGE SCANNERS; INFRARED SPECTRA;REMOTE SENSING

974 WORLD'S GEYSER REGIONS. Peale, A.C. Pop. Sci. Monthly; 25: 494-508(1884).
GEYSERS;ICELAND;NEW ZEALAND;YELLOWSTONE NATIONAL PARK;MAPS

975 ELEMENTS OF GEOLOGY. Leconte, J. 3rd Edition. New York; United States of America (USA); D. Appleton Co. (1891). 640p.
VOLCANIC REGIONS;ICELAND;YELLOWSTONE NATIONAL PARK;GEYSERS;GEOLOGY

976 GEYSERS. Weed, W.H. pp 163-178 of Smithsonian Inst. Ann. Rpt. to July 1891. Washington, D.C.; Smithsonian Inst. (1893).
Occurrence, character, and mechanism. ICELAND;NEW ZEALAND;YELLOWSTONE NATIONAL PARK; GEYSERS;OPERATION

USA

Refer also to citation(s) 255, 280, 403, 422, 427, 429, 2081, 2166, 2167, 2452, 2594, 2786, 2792, 2794, 2817, 2843, 2907, 3150, 3181, 3189, 3226, 3271, 3272, 3290, 3589, 3635, 4604, 5196, 5393

977 (CONF-710371--, pp vp, Paper 9) PROSPECTS FOR GEOTHERMAL ENERGY IN WASHINGTON. Thorsen, G.W. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
Summarizes geothermal features and describes areas of late Cenozoic volcanism, gives selected annotated references. GEOTHERMAL RESOURCES;WASHINGTON;GEOLOGY;VOLCANIC REGIONS

978 (CONF-740209--, pp 225) ANOMALOUS MICROSEISMS IN SURPRISE VALLEY, CALIFORNIA. Eng, K.; Decker, R.W. (Dartmouth Coll., Hanover, NH). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
CALIFORNIA;SEISMIC NOISE;EXPLOSIONS; SEDIMENTS;GEOTHERMAL FIELDS;SEISMIC SURVEYS

979 (CONF-740209--, pp 229-236) BEHAVIOR OF KILAUEA VOLCANO AND ITS BEARING ON POSSIBLE UTILIZATION OF VOLCANIC ENERGY. Peterson, D.W. (U.S. Geological Survey, Hawaii). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
HAWAII;VOLCANOES;GEOTHERMAL ENERGY; SEISMOLOGY;GROUND MOTION;DEFORMATION;MAGMA SYSTEMS

980 (CONF-750612--, pp 15-89) GEOTHERMAL AND HYDROCARBON REGIMES, NORTHERN GULF OF MEXICO BASIN. Jones, P.H. (Louisiana State Univ., Baton Rouge). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
GEOPRESSURED SYSTEMS;GULF OF MEXICO;GEOLOGY; MAPS;HYDRODYNAMICS;TEMPERATURE MEASUREMENT; TABLES;WELLS;SALINITY;THERMAL WATERS;PETROLEUM; GEOCHEMISTRY;HYDROCARBONS;ENERGY SOURCES

981 (CONF-750612--, pp 101-130) REGIONAL SAND DISTRIBUTION OF THE FRIO FORMATION, SOUTH TEXAS: A PRELIMINARY STEP IN PROSPECTING FOR GEOTHERMAL ENERGY. Bebout, D.G.; Agagu, O.K.; Dorfman, M.H. 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
GEOPRESSURED SYSTEMS;TEXAS;SHORES;SAND; SHALES;THICKNESS;ZONES;GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS;MAPS;WELLS;WELL LOGGING; ELECTRICAL SURVEYS;TEMPERATURE MEASUREMENT; DISTRIBUTION

982 (E--74-10701) GREAT BASIN INVESTIGATION. MONTHLY PROGRESS REPORT. Quade, J.G. (Mackay School of Mines, Reno, NV; NASA Earth Resources Survey Program, Washington, DC). Jul 1974. Contract NAS9-13274. 2p. (NASA-CR--139321). NTIS $4.00; $2.25 (mf).
USA;GEOLOGY;GEOPHYSICS;GEOTHERMAL RESOURCES; GEOLOGIC FAULTS;SKYLAB

983 (LA--5129) PETROGRAPHY OF SOME ROCK TYPES OF THE PRECAMBRIAN BASEMENT NEAR THE LOS ALAMOS SCIENTIFIC LABORATORY GEOTHERMAL TEST SITE, JEMEZ MOUNTAINS, NEW MEXICO. Perkins, P.C. Jun 1973. Contract W-7405-eng-36. 12p. Dep. NTIS $3.00.
GEOTHERMAL ENERGY;ROCKS;GRANITES;SITE SELECTION;NEW MEXICO;GEOTHERMAL RESOURCES; PETROLOGY

984 (LA--5911-MS) FAULT ACTIVITY AND SEISMICITY NEAR THE LOS ALAMOS SCIENTIFIC LABORATORY GEOTHERMAL TEST SITE, JEMEZ MOUNTAINS, NEW MEXICO. Slemmons, D.B. (Los Alamos Scientific Lab., N.Mex. (USA)). Mar 1975. Contract W-7405-eng-36. 26p. Dep. NTIS $4.00.
GEOLOGIC FAULTS;EARTHQUAKES;SITE SELECTION; GEOTHERMAL FIELDS;NEW MEXICO;JEMEZ MOUNTAINS; SEISMOLOGY;PHOTOGRAPHY;GEOLOGY;LASL;TOPOGRAPHY; MICROEARTHQUAKES

985 (LA--6017-MS) HYDROLOGIC TESTING GEOTHERMAL TEST HOLE NO. 2. West, F.G.; Kintzinger, P.R.; Purtymun, W.D. (Los Alamos Scientific Lab., N.Mex. (USA)). Jul 1975. Contract W-7405-ENG-36. 8p. Dep. NTIS $4.00.
BOREHOLES;HOT-DRY-ROCK SYSTEMS;HYDROLOGY; SEDIMENTS;PERMEABILITY;SEDIMENTARY ROCKS;NEW MEXICO;DRILLING

986 (LBL--3225) RADON ALPHA-TRACK SURVEY OF A POTENTIAL GEOTHERMAL RESOURCE AREA. Wollenberg, H.A. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). Oct 1974. Contract W-7405-eng-48. 14p. Dep. NTIS $4.00.
Buffalo Valley, Nevada. NEVADA;HOT SPRINGS; THERMAL WATERS;RADIOACTIVITY;RADON 222; RADIATION MONITORING;RADIATION DETECTORS;ALPHA PARTICLES;SOILS;GEOTHERMAL FIELDS

987 (NASA-CR--138734) MULTIDISCIPLINARY STUDY OF WYOMING TEST SITES. PROGRESS REPORT NO. 3, OCT 1973-MAR 1974. Houston, R.S.; Marrs, R.W.; Agard, S.S.; Downing, K.G.; Earle, J. (Wyoming Univ., Laramie. Remote Sensing Lab.). Apr 1974. Contract NAS9-13298. 37p. (E--74-10624; EREP--1-74A). NTIS $5.00; $1.45 (mf).
WYOMING;GEOLOGICAL SURVEYS;AERIAL PROSPECTING;PHOTOGRAPHY;IMAGES;GEOLOGY;SKYLAB; MONTANA;LAND USE;LITHOLOGY;MAPS

988 (NASA-CR--139434) RECONNAISSANCE SPACE SENSING INVESTIGATION OF CRUSTAL STRUCTURE FOR A STRIP FROM THE EASTERN SIERRA NEVADA TO THE COLORADO PLATEAU. FINAL REPORT. Liggett, M.A. (Argus Exploration Co., Los Angeles, Calif. (USA)). Aug 1974. 478p. NTIS $12.00.
GEOLOGICAL SURVEYS;TECTONICS;MINERAL RESOURCES;GEOTHERMAL RESOURCES;GROUND WATER; WATER RESOURCES;EXPLORATION;SEISMIC SURVEYS; NEVADA;COLORADO;CALIFORNIA;UTAH;ARIZONA;REMOTE SENSING

989 (NASA-SP--327, pp 425-32) REGIONAL TECTONIC CONTROL OF TERTIARY MINERALIZATION AND RECENT FAULTING IN THE SOUTHERN BASIN RANGE PROVINCE. APPLICATION OF ERTS-1 DATA. Bechtold, I.C.; Liggett, M.A.; Childs, J.F. (Argus Exploration Co., Newport Beach, CA). 1973.
Symposium on Significant Results Obtained from the Earth Resources Technology Satellite-1. Volume 1. Technical presentations. Section A.
TECTONICS;MINERALIZATION;GEOLOGIC FAULTS; VOLCANISM;GEOLOGIC FISSURES;REMOTE SENSING;LAND USE;MAPS;GEOLOGICAL SURVEYS;CALIFORNIA;NEVADA; ARIZONA

990 (NASA-SP--327, pp 413-23) STRUCTURAL GEOLOGICAL ANALYSIS OF NEVADA USING ERTS-1 IMAGES. PRELIMINARY REPORT. Rowan, L.C.; Wetlaufer, P.H. (Geol. Survey, Washington, DC). 1973.
Symposium on Significant Results Obtained from the Earth Resources Technology Satellite-1. Volume 1. Technical presentations. Section A.
GEOLOGIC STRUCTURES;NEVADA;REMOTE SENSING; GEOLOGICAL SURVEYS;ZONES;GEOLOGIC FAULTS; VOLCANIC REGIONS

991 (NP--20567) PRELIMINARY HYDROGEOLOGIC APPRAISAL OF SELECTED HYDROTHERMAL SYSTEMS IN NORTHERN AND CENTRAL NEVADA. Olmsted, F.H.; Glancy, P.A.; Harrill, J.R.; Rush, F.E.; VanDenburgh, A.S. (Geological Survey, Menlo Park, Calif. (USA)). 1975. 267p. United States Geological Survey; Carson City, Nevada.
150° to 200°C. HYDROLOGY;GEOLOGY; HYDROTHERMAL SYSTEMS;NEVADA;HEAT TRANSFER; THERMAL WATERS;FLOW RATE;CHEMICAL COMPOSITION; GEOCHEMICAL SURVEYS;HOT SPRINGS;BOREHOLES;HEAT FLOW;HOT-WATER SYSTEMS;GEOPHYSICAL SURVEYS

992 (NSF/RA/N--74-159, pp 73-84) COLORADO SCHOOL OF MINES NEVADA GEOTHERMAL STUDY. Keller, G.V.; Grose, L.T.; Crewdson, R.A. (Colorado School of Mines, Golden). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
Fly Ranch. USA;NEVADA;GEOPHYSICAL SURVEYS; GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS; GEOTHERMAL SYSTEMS;GEOTHERMAL FIELDS

993 (NSF/RA/N--74-159, pp 98-110) BRIEF DESCRIPTION OF GEOLOGICAL AND GEOPHYSICAL EXPLORATION OF THE MARYSVILLE GEOTHERMAL AREA. Blackwell, D.D.; Brott, C.A.; Goforth, T.T.; Holdaway, M.J.; Morgan, P.; Petefish, D.; Rape, T.; Steele, J.L.; Spafford, R.E.; Waibel, A.F. (Southern Methodist Univ., Dallas). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
Max. temp. of 95 degrees C at 500 m. GEOTHERMAL FIELDS;MONTANA;HEAT FLOW;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION;HOT-WATER SYSTEMS

994 (PB--218830, pp 51) GEOLOGIC AND THERMODYNAMIC CHARACTERISTICS OF THE SALTON SEA GEOTHERMAL SYSTEM. Helgesson, H.C. 1968.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
SALTON SEA;GEOLOGY;TEMPERATURE GRADIENTS; HEAT FLOW;DEPTH;HEAT TRANSFER;GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION;SALINITY;BRINES;ENTHALPY; HYDROLOGY;GEOTHERMAL FIELDS;THERMODYNAMIC PROPERTIES

995 (PB--218830, pp 70) MAJOR THERMAL SPRINGS OF UTAH. Mundorff, J.C. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
UTAH;GEOTHERMAL RESOURCES;HOT SPRINGS; GEOLOGY;HYDROLOGY;CHEMICAL COMPOSITION;WATER RESOURCES;THERMAL WATERS;DATA;MEDIUM TEMPERATURE;FLOW RATE

996 (PB--221289) INVENTORY OF THERMAL FEATURES OF THE FIRESTONE RIVER GEYSER BASINS AND OTHER SELECTED AREAS OF YELLOWSTONE NATIONAL PARK. FINAL REPORT. Marler, G.D. (Geological Survey, Menlo Park, Calif. (USA)). 15 Jun 1973. 652p. (USGS-GD--73-018). NTIS $9.00.
YELLOWSTONE NATIONAL PARK;EARTHQUAKES; GEYSERS;HOT SPRINGS;EARTH CRUST;HEAT; TEMPERATURE MEASUREMENT

997 (TID--26955) GEOTHERMAL RESOURCES: FRIO FORMATION, SOUTH TEXAS. Bebout, D.G.; Dorfman, M.H.; Agagu, O.K. (Texas Univ., Austin (USA). Bureau of Economic Geology). 1975. 36p. Dep. NTIS $5.00.
TEXAS;GEOTHERMAL RESOURCES;GEOLOGICAL SURVEYS;SAND;GEOLOGIC DEPOSITS;SITE SELECTION; GEOPRESSURED SYSTEMS;GEOLOGIC FAULTS;SEISMIC SURVEYS;DISTRIBUTION

998 (TID--26985) GEOLOGICAL-GEOPHYSICAL EVALUATION OF THE HOT SPRINGS AREA, BATH COUNTY, VIRGINIA. PROGRESS REPORT, JUNE 1, 1975--FEBRUARY 29, 1976. Costain, J.K. (Virginia Polytechnic Inst. and State Univ., Blacksburg (USA)). 1 Dec 1975. Contract E(40-1)-4920. 47p. Dep. NTIS $4.00.
GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS; VIRGINIA;GEOTHERMAL GRADIENTS;HEAT FLOW; ELECTRICAL SURVEYS;THERMAL SPRINGS;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

999 (UCID--17008) SUMMARY OF GEOLOGY AT THE ERDA--MAGMA--SDG AND E GEOTHERMAL TEST SITE. Towse, D.F.; Palmer, T.D. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 12 Jan 1976. Contract W-7405-Eng-48. 8p. Dep. NTIS $3.50.
IMPERIAL VALLEY;GEOTHERMAL WELLS;GEOLOGY; WELL LOGGING;SALTON SEA GEOTHERMAL FIELD; SANDSTONES

1000 (UCLA--34P224X1) RELATIONSHIP OF ROCK PHYSICS AND PETROLOGY TO GEOTHERMAL ENERGY TECHNOLOGY. PROGRESS REPORT, NOVEMBER 1, 1974--AUGUST 1, 1975. Warren, N.; Grew, P.P.; Trice, R.E. (California Univ., Los Angeles (USA). Inst. of Geophysics and Planetary Physics). 1975. 26p. Dep. NTIS $4.50.
PETROLOGY;DRILL CORES;BOREHOLES;ROCKS; ELASTICITY;STRESS CORROSION;FRACTURES;CRACKS; ROCK DRILLING;SUBTERRENE PENETRATORS;LITHOLOGY; GEOTHERMAL SYSTEMS;HOT-DRY-ROCK SYSTEMS

1001 (USGS--474-18) REPORT OF EXPLORATION PROGRESS CENTRAL NEVADA, PERIOD JANUARY 1, 1968--APRIL 1, 1969. (Geological Survey, Denver, Colo. (USA)). Apr 1969. Contract AT(29-2)-474. 35p. NTIS $6.00.
GEOLOGICAL SURVEYS;NEVADA;BOREHOLES;ROCKS; PETROLOGY;STRATIGRAPHY;THERMAL ANALYSIS

1002 GEOLOGIC SETTING OF IMPERIAL VALLEY AND ITS GEOTHERMAL RESOURCES. Koenig, J.B. San Francisco; United States of America (USA); Calif. Dept. Conservation, Div. Mines and Geology ([nd]). 5p.
CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL RESOURCES;GEOLOGY;GEOTHERMAL FIELDS

1003 PRELIMINARY REPORT ON ARTESIAN BASINS IN SOUTHWESTERN IDAHO AND SOUTHEASTERN OREGON. Russell, I.C. US Geological Survey Water-Supply Paper 78. Washington, DC; United States of America (USA); US Geol. Surv. (1903). 53p.
IDAHO;OREGON;GEOTHERMAL FIELDS;ARTESIAN BASINS;HYDROTHERMAL SYSTEMS

1004 YELLOWSTONE NATIONAL PARK. Hague, A. Scribner's Mag.; 35: No. 5, 513-527(1904).
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;GEOLOGY

1005 GEOLOGIC PROCESSES AND THEIR RESULTS. Chamberlin, T.C.; Salisbury, R.D. Geology, Volume 1, 2nd Edition. New York; United States of America (USA); H. Holt Co. (1906). 684p.
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEYSERS;GEOLOGY

1006 GEOLOGY AND WATER RESOURCES OF THE BIGHORN BASIN, WYOMING. Fisher, C.A. US Geological Survey Professional Paper 53. Washington, DC; United States of America (USA); US Geol. Surv. (1906). 72p.
WYOMING;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY;WATER RESOURCES

1007 MINERAL RESOURCES OF THE BIGHORN BASIN (WYOMING). Fisher, C.A. pp 311-15 of US Geological Survey Bulletin 285-F. Washington, DC; US Geol. Surv. (1906).
Information on Cody and Thermopolis hot springs. WYOMING;HOT SPRINGS;MINERAL RESOURCES

1008 GEOTHERMAL DATA OF THE UNITED STATES. Darton, N.H. Geol. Soc. Am., Bull.; 24: 677(1913).
USA;GEOLOGIC DEPOSITS;TEMPERATURE GRADIENTS; ARTESIAN BASINS;DATA;GEOTHERMAL GRADIENTS; THERMOMETERS

1009 ALASKA, AN EMPIRE IN THE MAKING. Underwood, J.J. New York; United States of America (USA); Dodd and Mead Co. (1913). 440p.
ALASKA;GEYSERS

1010 MINERAL SPRINGS OF ALASKA (WITH A CHAPTER ON THE CHEMICAL CHARACTER OF SOME SURFACE WATERS OF ALASKA, BY RICHARD B. DOLE AND ALFRED A. CHAMBERS). Waring, G.A. US Geol. Surv. Water-Supply Paper 418. Washington, DC; United States of America (USA); US Geol. Surv. (1917). 114p.
ALASKA;HOT SPRINGS;CANADA

1011 VALLEY OF TEN THOUSAND SMOKES. Griggs, R.F. Natl. Geog. Mag.; 31: No. 1, 13-68(1917).
ALASKA;GEYSERS;HOT SPRINGS;FUMAROLES

1012 VALLEY OF TEN THOUSAND SMOKES. Griggs, R.F. Natl. Geog. Mag.; 33: No. 2, 115-69(1918).
ALASKA;FUMAROLES

1013 VALLEY OF TEN THOUSAND SMOKES. Griggs, R.F. United States of America (USA); Natl. Geog. Soc. (1922). 341p.
ALASKA;ALEUTIAN ISLANDS;FUMAROLES;HOT SPRINGS

1014 SONOMA COUNTY. Laizure, C.McK. pp 339-54 of California Mining Bureau, 22nd report of State Mineralogist. Sacramento; Calif. Min. Bur. (1926).
GEYSERS GEOTHERMAL FIELD;HOT SPRINGS;THERMAL WATERS;CALIFORNIA;GEOTHERMAL RESOURCES;POWER GENERATION

1015 POSSIBLE DEPENDENCE OF DEEP-EARTH TEMPERATURES ON GEOLOGIC STRUCTURE. Van Orstrand, C.E. J. Wash. Acad. Sci.; 16: No. 18, 503(1926).
BOREHOLES;WYOMING;TEMPERATURE DISTRIBUTION; THERMAL WATERS;MAPS;GEOLOGY;GEOTHERMAL GRADIENTS;EARTH CRUST

1016 LARGE SPRINGS IN THE UNITED STATES. Meinzer, O.E. US Geol. Surv. Water-Supply Paper 557. Washington, DC; United States of America (USA); US Geol. Surv. (1927). 94p.
OREGON;MONTANA;NEVADA;HOT SPRINGS

1017 GEOLOGICAL HISTORY OF THE YELLOWSTONE NATIONAL PARK. Hague, A. Washington, DC; United States of America (USA); US Dept. Interior, National Park Service (1928). 23p.
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEOLOGY;GEYSERS

1018 VALLEY OF TEN THOUSAND SMOKES. Zies, E.G. Natl. Geog. Soc., Contr. Tech. Papers, Katmai Ser.; 1: No. 4, (1929).
ALASKA;FUMAROLES;MAPS;EARTH ATMOSPHERE; POLLUTION;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION; HYDROCHLORIC ACID;ABUNDANCE

1019 SALINE SPRINGS OF THE RIO SALADO, SANDOVAL COUNTY, NEW MEXICO. Clark, J.D. Univ. NM Bull., Chem. Ser.; 1: No. 3, 29p.(1929).
NEW MEXICO;HOT SPRINGS;MINERAL SPRINGS; SULFUR;GEOTHERMAL WELLS

1020 BORE HOLE INVESTIGATION IN THE GEYSER BASIN OF YELLOWSTONE NATIONAL PARK. Fenner, C.N.; Day, A.L. J. Wash. Acad. Sci.; 21: 488-9(1931).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEYSERS;BOREHOLES

1021 DISCHARGE OF HOT SPRINGS IN THE YELLOWSTONE PARK. Allen, E.T. Science; 73: No. 5, 505(1931).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS;FLOW RATE

1022 ECONOMIC DEPOSITS OF THE SAN JACINTO QUADRANGLE. Sampson, R.J. pp 3-11 of California Division of Mines, 28th Report of State Mineralogist. Sacramento; Calif. Div. Mines (1932).
CALIFORNIA;HOT SPRINGS;THERMAL WATERS; MINERALS;ABUNDANCE

1023 MINERAL WATERS OF THE UNITED STATES. Lindgren, W. 4th Edition. New York; United States of America (USA); McGraw-Hill Book Co. (1933). 930p.
USA;MINERAL SPRINGS;YELLOWSTONE NATIONAL PARK;STEAMBOAT SPRINGS;COLORADO;GEOLOGY;HOT SPRINGS

1024 HYDROTHERMAL METAMORPHISM IN GEYSER BASINS OF YELLOWSTONE PARK, AS SHOWN BY DEEP DRILLING. Fenner, C.N. Econ. Geol.; 7: No. 2, 224, No. 198(1934).
GEOLOGY;YELLOWSTONE NATIONAL PARK;GEYSERS; GEOLOGIC DEPOSITS;HYDROTHERMAL ALTERATION;ROCKS; CHEMICAL COMPOSITION;BOREHOLES;SODIUM CARBONATES;ABUNDANCE;SILICON OXIDES

1025 AGENCY OF ALGAE IN THE DEPOSITION OF TRAVERTINE AND SILICA FROM THERMAL WATERS. Allen, E.T. Am. J. Sci.; 28: No. 167, Ser. 5, 373-89(1934).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; PRECIPITATION;SILICON OXIDES;CALCIUM CARBONATES; ALGAE

1026 HYDROTHERMAL AND IGNEOUS EMANATIONS. Allen, E.T. Trans. Am. Geophys. Union; Pt. 1: 240(1934).
From 15. Annual Meeting of American Geophysical Union;
YELLOWSTONE NATIONAL PARK;GEYSERS;ORIGIN; MAGMATIC WATER;CHEMICAL COMPOSITION; GEOCHEMISTRY;GEOLOGY;ROCKS;HYDROTHERMAL ALTERATION;SILICON OXIDES

1027 GEYSER BASINS AND IGNEOUS EMANATIONS. Allen, E.T. Econ. Geol.; 30: No. 1, 1-13(1935).
YELLOWSTONE NATIONAL PARK;GEYSERS;ORIGIN; MAGMATIC WATER;METEORIC WATER;SUPERHEATED STEAM; NATURAL STEAM;THERMAL WATERS;SULFATES; HYDROTHERMAL ALTERATION;IGNEOUS ROCKS

1028 HOT SPRINGS OF THE YELLOWSTONE NATIONAL PARK. Allen, E.T.; Day, A.L. Publication 466. Washington, DC; United States of America (USA); Carnegie Inst. (1935). 515p.
YELLOWSTONE NATIONAL PARK;HOT SPRINGS;ORIGIN; METEORIC WATER;NATURAL STEAM;SUPERHEATED STEAM; MAGMA;GEOLOGIC FAULTS;EARTH CRUST;VAPOR PRESSURE;SILICATES;GEYSERS;GEOCHEMISTRY

1029 INDIAN HOT SPRINGS, GRAHAM COUNTY, ARIZONA. Knechtel, M.M. Washington Acad. Sci. Jour.; 25: No. 9, 409-413(1935).
ARIZONA;HOT SPRINGS;THERMAL WATERS; TEMPERATURE MEASUREMENT;ORIGIN;CHEMICAL COMPOSITION;FLOW RATE;RAIN

1030 HOT SPRINGS OF THE YELLOWSTONE NATIONAL PARK. Behre, C.H., Jr. J. Geol.; 44: 650-1(1936).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; THERMAL WATERS;FLOW RATE;CHEMICAL COMPOSITION; SODIUM COMPOUNDS;ROCKS;CHEMICAL REACTIONS;GASES; TEMPERATURE GRADIENTS;LIMESTONE;DEPOSITION; MICROORGANISMS

1031 REVIEW OF 'HOT SPRINGS OF THE YELLOWSTONE NATIONAL PARK' BY EUGENE THOMAS ALLEN AND ARTHUR LOUIS DAY, FEBRUARY, 1936. Ross, C.S. Econ. Geol.; 31: 322-5(1936).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION;FLOW RATE; VOLCANOES;FUMAROLIC FLUIDS;ROCKS;CHEMICAL REACTIONS;GEOLOGY;NATURAL STEAM

1032 HOT-SPRING PROBLEM IN YELLOWSTONE PARK. Day, A.L. Science; 83: 486(1936).

YELLOWSTONE NATIONAL PARK;HOT SPRINGS;ORIGIN; GEYSERS;MINERALS;DEPOSITION;HEAT;NATURAL STEAM; THERMAL WATERS

1033 HOT SPRINGS OF THE YELLOWSTONE NATIONAL PARK. Allen, E.T. Carnegie Inst. Washington, News Serv. Bull.; 4: No. 1, 1-20(1936).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEOLOGY;GEOGRAPHY;ARTESIAN BASINS;GROUND WATER; EVAPORATION;EXPLOITATION

1034 YELLOWSTONE GEYSERS, OR, YELLOWSTONE PARK. Bauer, C.M. 1st Edition. United States of America (USA); Haynes, Inc. (1937). 125p.
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS

1035 THERMAL SPRINGS IN THE UNITED STATES. Stearns, N.D.; Stearns, H.T.; Waring, G.A. pp 59-206 of U.S. Geol. Surv., Water-Supply Paper 679-B. Washington, D.C.; U.S. Geol. Surv. (1937).
USA;HOT SPRINGS;GEOLOGY;MAPS;METEORIC WATER; GEOTHERMAL SYSTEMS;GEOLOGIC FAULTS;CHEMICAL REACTIONS;ROCKS;RADIOACTIVITY

1036 YELLOWSTONE NATIONAL PARK, WYOMING. Washington, DC; United States of America (USA); US Dept. Interior, National Park Service (1938). 37p.
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT

1037 NATIONAL PARKS OF THE NORTHWEST. Trager, M.W. New York; United States of America (USA); Dodd, Mead, and Co. (1939). 216p.
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS

1038 HOT-SPRING PROBLEM. Day, A.L. Geol. Soc. Am., Bull.; 50: No. 3, 317-36(1939).
Classification of Yellowstone National Park springs by water chemistry. WYOMING;HOT SPRINGS; MINERAL RESOURCES;MAGMATIC WATER;METEORIC WATER; SILICON OXIDES;SILICATES;CARBONATES;PH VALUE

1039 FABULOUS YELLOWSTONE. Vosburgh, F.C. Natl. Geog. Mag.; 77: No. 6, 769-94(1940).
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;PHYSICAL PROPERTIES

1040 IMPERIAL CARBON DIOXIDE GAS FIELD. Bransford, J.C. pp 198-201 of California Division of Mines, 38th Report of State Mineralogist. Sacramento; Calif. Div. Mines (1942).
CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL FIELDS; ABUNDANCE;THERMAL WATERS;CARBON DIOXIDE; VOLCANIC REGIONS;CHEMICAL COMPOSITION

1041 EFFECT OF HOT SPRINGS AND FUMAROLES ON GLACIAL TILLITE IN YELLOWSTONE NATIONAL PARK. Bauer, C.M. Geol. Soc. Am., Bull.; 57: 1249(1946).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; FUMAROLES;ROCKS;GLACIERS;GEOLOGY;SEDIMENTARY ROCKS;DEPOSITION;GEOLOGIC DEPOSITS;CLAYS

1042 PHYSICAL CHARACTER OF HOT-SPRING AND GEYSER DEPOSITS. Bauer, C.M. Geol. Soc. Am., Bull.; 57: No. 12, Pt. 2, 1249(1946).
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;SEDIMENTS;DEPOSITION;ORIGIN

1043 FUMAROLE BUTTE, UTAH. Ives, R.L. Rocks and Minerals; 22: No. 10, 903-909(1947).
UTAH;VOLCANIC REGIONS;FUMAROLES;HYDROTHERMAL SYSTEMS

1044 MINERAL RESOURCES OF DOUGLAS, ORMSBY, AND WASHOE COUNTIES. Overton, T.D. Univ. NV Bull., Geol. Min.; 41: No. 9, Ser. 46, 91(1947).
Describes Steamboat Springs and mentions Gerlach hot springs. STEAMBOAT SPRINGS;HOT SPRINGS;GEOLOGY;MINERAL RESOURCES;NEVADA

1045 ROCK ALTERATION ASSOCIATED WITH THERMAL SPRINGS. White, D.E. Geol. Soc. Am., Bull.; 58: No. 12, Pt. 2, 1239(1947).
STEAMBOAT SPRINGS;GEOLOGY;ROCKS;HYDROTHERMAL ALTERATION;HOT SPRINGS

1046 OBJECTIVES, METHODS, AND PROGRESS OF ALASKAN (ALEUTIAN ISLANDS) VOLCANIC INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY. Robinson, G.D. U.S. Geol. Surv., Alaskan Volcano Inv., Rpt. 2. Washington, DC; United States of America (USA); U.S. Geol. Surv. (1947). 105p.
ALASKA;VOLCANOES;GEOLOGY;ALEUTIAN ISLANDS; SEISMIC SURVEYS;GEOPHYSICAL SURVEYS;FUMAROLES; HOT SPRINGS

1047 YELLOWSTONE - ITS UNDERWORLD GEOLOGY AND HISTORICAL ANECDOTES OF OUR OLDEST NATIONAL PARK. Bauer, C.M. Albuquerque, NM; United States of America (USA); Univ. New Mexico Press (1948). 122p.
YELLOWSTONE NATIONAL PARK;HYDROTHERMAL SYSTEMS;GEOLOGY

1048 YELLOWSTONE NATIONAL PARK: HISTORICAL AND DESCRIPTIVE REVIEW BY ELEANOR CHITTENDEN CRESS AND ISABELLE F. STORY. Chittenden, H.M. 5th Ed. Stanford, Ca.; United States of America (USA); Stanford Univ. Press (1949). 286p.
Data on mean height, duration, and interval of eruptions of 58 geysers. YELLOWSTONE NATIONAL PARK;GEYSERS;FLOW RATE

1049 SUMMARY OF LITERATURE ON THERMAL SPRINGS. Waring, G.A. Bull. Int. Assoc. Sci. Hydrol.; 2: 288-92(1952).
THERMAL WATERS;HOT SPRINGS;BIBLIOGRAPHIES

1050 WHERE THE EARTH BURPS (CALIFORNIA). Gist, E.S. Nature (London); 45: No. 5, 245-247(1952).
Mud pots, steam vents, and thermal wells on east side of Salton Sea. CALIFORNIA;SALTON SEA; GEYSERS;HOT SPRINGS;GEOTHERMAL WELLS;NATURAL STEAM

1051 IS BOISE (IDAHO) SITTING ON A VOLCANO. Rhodenbaugh, E.F. Earth Sci. Dig.; 7: No. 2, 7-11, 27(1953).
Two wells near Boise yield 178°F water. IDAHO;GEOTHERMAL WELLS;THERMAL WATERS; TEMPERATURE MEASUREMENT

1052 DOES THE COLD OF WINTER AFFECT THE THERMAL INTENSITY OF THE HOT SPRINGS IN YELLOWSTONE PARK. Marler, G.D. Am. J. Sci.;

252: No. 1, 38-54(1954).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; THERMAL WATERS;ENTHALPY;TEMPERATURE MEASUREMENT; GEYSERS;COOLING;CONVECTION;SEASONAL VARIATIONS; FLOW RATE

1053 OBSERVATIONS ON SOME THERMAL SPRINGS IN NEVADA. White, D.E. Unpublished field notes. Unknown; (1954).
Data on 33 springs. NEVADA;HOT SPRINGS

1054 GEOLOGY OF SITKIN ISLAND, ALASKA. Simons, F.S.; Mathewson, D.E. pp 21-43 of US Geological Survey, Bulletin 1028-B. Washington, DC; US Geol. Surv. (1955).
ALASKA;FUMAROLES;HOT SPRINGS;GEOLOGY

1055 GEYSERS OF WHIRLWIND VALLEY (NEVADA). Murbarger, N. Desert Mag.; 19: No. 1, 17-20(1956).
Description of Beowawe geysers. NEVADA; GEYSERS

1056 PUMICE, PUMICITE, AND VOLCANIC CINDERS IN CALIFORNIA. Chesterman, C.W. pp 1-97 of California Division of Mines Bulletin 174. Sacramento; Calif. Div. Mines (1957).
Quaternary volcanism products. CALIFORNIA; GEOTHERMAL FIELDS;VOLCANIC REGIONS;VOLCANIC ROCKS;GEOLOGY;VOLCANOES

1057 OCCURRENCE OF WAIRAKITE AT THE GEYSERS, CALIFORNIA. Steiner, A. Am. Mineral.; 43: No. 7-8, 481(1958).
GEYSERS GEOTHERMAL FIELD;BOREHOLES;DRILL CORES;ZEOLITES;MINERALOGY;GEOLOGY;WAIRAKITE

1058 FAULT PATTERNS IN SOUTHEASTERN ALASKA. Twenhofel, W.S.; Sainsbury, C.L. Geol. Soc. Am., Bull.; 69: No. 11, 1431-42(1958).
ALASKA;GEOLOGIC FAULTS;HOT SPRINGS;MINERAL RESOURCES;AERIAL PROSPECTING;PHOTOGRAPHY

1059 SEWARD PENINSULA. Hopkins, J.P.; Hopkins, D.M. pp 104-10 of Landscapes of Alaska, their geologic evolution. Williams, H. (ed.). Berkeley and Los angeles; Univ. Calif. Press (1958).
ALASKA;HOT SPRINGS

1060 GEOTHERMAL POWER. McNitt, J.R. Calif. Div. Mines, Geol., Mineral Info. Serv.; 13: No. 3, 1-9(1960).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GEOLOGICAL SURVEYS;VOLCANIC ROCKS; FUMAROLES;HOT SPRINGS;GEOLOGIC FAULTS; GEOTHERMAL FLUIDS;GEOPHYSICAL SURVEYS;NATURAL STEAM;METEORIC WATER;CONVECTION

1061 DRILLING INTO MOLTEN LAVA IN THE KILAUEA IKI VOLCANIC CRATER, HAWAII. Rawson, D.E. Nature (London); 88: 930-1(1960).
VOLCANIC REGIONS;ROCK DRILLING;VERY HIGH TEMPERATURE;HIGH TEMPERATURE;MAGMA;DRILL CORES; TEMPERATURE MEASUREMENT;LAVA;VOLCANOES;COOLING

1062 CATALOGUE OF THE ACTIVE VOLCANOES OF THE WORLD, INCLUDING SOLFATARA FIELDS: CATALOGUE OF THE ACTIVE VOLCANOES AND SOLFATARA FIELDS OF THE UNITED STATES OF AMERICA. Coombs, H.A. Internatl. Volcanol. Assoc.; 1-58(1960).
USA;VOLCANOES;HOT SPRINGS;GEOLOGY;SOLFATARAS

1063 GEOLOGY AND HOT SPRINGS OF KUROYU GEOTHERMAL AREA, AKITA PREFECTURE. Nakamura, H.; Ando, T.; Suzuki, T. Chishitsu Chosasho Geppo; 11: No. 2, 85-88(1960). (In Japanese with English summary).
JAPAN;HOT SPRINGS;GEOLOGY;TUFF;SANDSTONES; SHALES;VOLCANIC ROCKS;THERMAL WATERS;CHEMICAL COMPOSITION;CHLORINE;HYDROGEN COMPOUNDS; CARBONATES;ABUNDANCE;FUMAROLES

1064 1959 HEBGEN LAKE EARTHQUAKE ALTERS YELLOWSTONE'S HOT SPRINGS. Marler, G.D. pp 61-6 of Proceedings of 11th Annual Field Conference of Billings Geological Society. Billings, MT; Billings Geol. Soc. (1960).
MONTANA;EARTHQUAKES;HOT SPRINGS;YELLOWSTONE NATIONAL PARK;GEYSERS;SEISMIC EFFECTS;OLD FAITHFUL GEYSER;ORIGIN

1065 YELLOWSTONE'S LIVING GEOLOGY - HIGHLIGHTS OF YELLOWSTONE GEOLOGY WITH AN INTERPRETATION OF THE 1959 EARTHQUAKES AND THEIR EFFECTS IN YELLOWSTONE NATIONAL PARK. Fischer, W.A. Yellowstone Nature Notes; 33, 1959-60 Special Issue: 62p.(1960).
YELLOWSTONE NATIONAL PARK;EARTHQUAKES; GEOLOGY;GEYSERS;HOT SPRINGS;SEISMIC EFFECTS

1066 CATALOGUE OF THE ACTIVE VOLCANOES OF THE WORLD, INCLUDING SOLFATARA FIELDS: HYDROTHERMAL PHENOMENA OF THE YELLOWSTONE NATIONAL PARK. Howard, A.D. Int. Volcanol. Assoc.; 59-68(1960).
YELLOWSTONE NATIONAL PARK;VOLCANOES; HYDROTHERMAL SYSTEMS;GEOLOGY;HOT SPRINGS; GEYSERS

1067 WINTER THERMAL RADIATION STUDIES IN YELLOWSTONE PARK. Gates, D.M. Science; 134: No. 3471, 32-5(1961).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; INFRARED RADIATION;RADIATION MONITORING; TEMPERATURE GRADIENTS;OLD FAITHFUL GEYSER; THERMAL RADIATION;STEAM;SEASONAL VARIATIONS; SEASONS

1068 IRON CONTENT OF SPHALERITE FROM THE CENTRAL DISTRICT, NEW MEXICO AND THE BINGHAM DISTRICT, UTAH. Rose, A.W. Econ. Geol.; 56: No. 8, 1363-84(1961).
IRON SULFIDES;X-RAY FLUORESCENCE ANALYSIS; NEW MEXICO;UTAH;GEOTHERMOMETERS;TEMPERATURE MEASUREMENT;SPHALERITES;GEOTHERMOMETRY;MINERALS

1069 GROUND-WATER CONDITIONS IN THE RIO GRANDE VALLEY BETWEEN TRUTH OR CONSEQUENCES AND LOS PALOMAS, SIERRA COUNTY, NEW MEXICO. Cox, E.R.; Reeder, H.O. NM State Engr., Tech. Rpt. 25. Sante Fe, NM; United States of America (USA); NM State Engr. (1962). 47p.
NEW MEXICO;THERMAL WATERS;GROUND WATER; HYDROLOGY;GEOLOGY;RIVERS;AQUIFERS

1070 GEOLOGY OF THE LITTLE ANTELOPE VALLEY CLAY DEPOSITS, MONO COUNTY, CALIFORNIA. Cleveland, G.B. Calif. Div. Mines, Geol., Special Report 72. Sacramento; United States of America (USA); Calif. Div. Mines, Geol. (1962). 28p.
Casa Diablo geothermal area. CALIFORNIA; GEOTHERMAL FIELDS;HOT SPRINGS;HYDROTHERMAL ALTERATION;GEOLOGY

1071 SPRINGS IN THE VICINITY OF SOCORRO, NEW MEXICO. Hall, F.R. pp 160-79 of NW Geol. Soc., Buideb., 14th Annual Field Conference,

Socorro Region. Socorro; NW Geol. Soc. (1963).
NEW MEXICO;HOT SPRINGS;HYDROLOGY;GEOLOGY; THERMAL WATERS;CHEMICAL COMPOSITION

1072 GEOLOGY AND HYDROLOGY OF AGUA CALIENTE SPRING, PALM SPRINGS, CALIFORNIA. Dutcher, L.C.; Bader, J.S. Water Supply Paper 1605. Washington, DC; United States of America (USA); US Geol. Surv. (1963). 41p.
GEOLOGY;HYDROLOGY;HOT SPRINGS;CALIFORNIA; GEOLOGIC FAULTS;GEOLOGIC DEPOSITS

1073 EVALUATION OF HYDROGEOLOGY AND HYDROGEOCHEMISTRY OF TRUCKEE MEADOWS AREA , WASHOE COUNTY, NEVADA. Cohen, P.; Loeltz, O.J. US Geological Survey, Water Supply Paper 1779-S. Washington, DC; United States of America (USA); US Geol. Surv. (1964). 63p.
NEVADA;GECLOGY;HYDROLOGY;THERMAL WATERS; CHEMICAL COMPOSITION;SURFACE WATERS;GROUND WATER;GEOCHEMISTRY;SEDIMENTS;ROCKS;PERMEABILITY; CHLORIDES;SULFATES;STEAMBOAT SPRINGS

1074 GEOLOGY OF THE GEYSER'S THERMAL AREA, CALIFORNIA. McNitt, J.R. pp 292-303 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French abstract)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
Hot springs temperature 50°C to boiling point, natural steam temperature 182°C-208°C, enthalpy 669-681 cal/gm. GEYSERS GEOTHERMAL FIELD;GEOLOGY;VOLCANIC REGIONS;HOT SPRINGS; NATURAL STEAM;TEMPERATURE DISTRIBUTION;HEAT FLOW;GEOLOGIC FAULTS;ENTHALPY;METEORIC WATER

1075 ROCKS, STRUCTURES, AND GEOLOGIC HISTORY OF STEAMBOAT SPRINGS THERMAL AREA, WASHOE COUNTY, NEVADA. White, D.E. US Geol. Surv. Professional Paper 458-B. Washington, DC; United States of America (USA); US Geol. Surv. (1964). 63p.
NEVADA;GEOTHERMAL FIELDS;GEOLOGY;HOT SPRINGS; DEPOSITS;THERMAL WATERS;GEOLOGIC FAULTS; GEOLOGIC STRATA;ROCKS;STEAMBOAT SPRINGS

1076 HOT SPRINGS, SINTER DEPOSITS AND VOLCANIC CINDER CONES IN NEVADA. Horton, R.C. NV Bureau of Mines, Map 25. United States of America (USA); NV Bur. Mines (1964).
NEVADA;HOT SPRINGS;VOLCANIC REGIONS;MAPS; GEOLOGIC DEPOSITS

1077 MINERAL AND WATER RESOURCES OF NEVADA. Nevada Bureau of Mines Bulletin 65. United States of America (USA); Nevada Bureau of Mines (1964). 314p.
NEVADA;MINERAL RESOURCES;GEOTHERMAL RESOURCES;WATER RESOURCES;GEOLOGY;EXPLORATION; GEOTHERMAL ENERGY

1078 PRECIPITATION, RUNOFF AND WATER LOSS IN LOWER COLORADO RIVER, SALTON SEA AREA. Hely, A.G.; Peck, E.L. US Geol. Surv., Prof. Paper 486-B. Washington, DC; United States of America (USA); US Geol. Surv. (1964). 16p.
COLORADO RIVER;HYDROLOGY;GROUND WATER; ATMOSPHERIC PRECIPITATIUNS;SALTON SEA

1079 EFFECTS OF THE HEBGEN LAKE EARTHQUAKE OF AUGUST 17, 1959, ON THE HOT SPRINGS OF THE FIREHOLE GEYSER BASINS, YELLOWSTONE NATIONAL PARK. Marler, G.D. pp 185-97 of US Geological Survey, Professional Paper 435-Q. Washington, DC; US Geol. Surv. (1964).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; EARTHQUAKES;SEISMIC EFFECTS;GEOTHERMAL ENERGY

1080 GEOLOGICAL ENVIRONMENT OF HYPERTHERMAL AREAS IN CONTINENTIAL UNITED STATES AND SUGGESTED METHODS OF PROSPECTING THEM FOR GEOTHERMAL POWER. Decius, L.C. pp 166-78 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964).
Pliocene, volcanism, quaternary volcanism. USA;HOT SPRINGS;VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS;ROCKS;GEOLOGIC FAULTS;GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS;MAGMA

1081 HYDROTHERMAL ALTERATION IN GS-3 AND GS-4 DRILL HOLES, MAIN TERRACE, STEAMBOAT SPRINGS, NEVADA. Schoen, R.; White, D.E. Econ. Geol.; 60: No. 7, 1411-21(1965).
STEAMBOAT SPRINGS;HYDROTHERMAL ALTERATION; BOREHOLES;QUARTZ;PYRITES;CHEMICAL COMPOSITION; BIOTITE;CHLORITE MINERALS;HORNBLENDE;ILLITE; MONTMORILLONITE;CALCITE;THERMAL WATERS;ZONES

1082 RECENT METAMORPHISM OF PLIOCENE AND QUATERNARY SEDIMENTS OF THE SALTON SEA GEOTHERMAL FIELD, CALIFORNIA, USA. Muffler, L.J.P.; White, D.E. pp 119-20 of International Symposium Volcanol., New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
SALTON SEA;GEOPHYSICAL SURVEYS;SEDIMENTS; GEOTHERMAL FIELDS;METAMORPHISM;BOREHOLES

1083 USE OF SODIUM IODIDE TO TRACE UNDERGROUND WATER CIRCULATION IN HOT SPRINGS AND GEYSERS OF DAISY GEYSER GROUP, YELLOWSTONE NATIONAL PARK. Rowe, J.J.; Fournier, R.O.; Morey, G.W. pp 184-6 of US Geological Survey, Professional Paper 525-B. (1965).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEYSERS;THERMAL WATERS;HYDROLOGY;FLUID MECHANICS;FLUID FLOW;SODIUM IODIDES;TRACER TECHNIQUES

1084 ECONOMIC MINERAL DEPOSITS IN THE COAST RANGES. Davis, F.F. pp 315-21 of Geology of northern California. (Calif. Div. Mines., Geol., Bull. No. 190). Sacramento; Calif. Div. Mines, Geol. (1966).
CALIFORNIA;GEOTHERMAL RESOURCES;NATURAL STEAM;PRODUCTION;MINERALS;GEOLOGIC DEPOSITS; MINERAL RESOURCES;ENVIRONMENT

1085 DEPOSITION OF SILICA IN HOT SPRINGS. Fournier, R.O.; Rowe, J.J. Bull. Volcanol.; 29: 585-7(1966).
HOT SPRINGS;DEPOSITS;COATINGS;SILICON OXIDES; DEPOSITION;SILICA GEL;SOLUBILITY;SURFACE WATERS; QUARTZ;YELLOWSTONE NATIONAL PARK;THERMAL WATERS; DISSOLUTION

1086 HOT SPRINGS AND HYDROTHERMAL ALTERATION IN THE PAINT POT HILL AREA, YELLOWSTONE PARK. Raymahashay, B.C. Cambridge, MA; Harvard Univ. (1966).
Thesis (Ph. D.).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; HYDROTHERMAL ALTERATION;SULFATES;SODIUM CHLORIDES;PH VALUE;ZONES;GEOCHEMISTRY

1087 RIFT SYSTEM OF THE WESTERN UNITED STATES. Thompson, G.A. pp 280-90 of International Upper Mantle Symposium, Ottawa, 1965, Canada Geological Survey, Paper 66-14.

Ottawa; Canada Geol. Surv. (1966).
USA;GEOLOGIC FAULTS;EARTH CRUST;DEFORMATION; HEAT FLOW;EARTHQUAKES

1088 DISTRIBUTION AND OCCURRENCE OF NEW MEXICO'S THERMAL WATERS. Summers, W.K. Technical paper from 20th Annual Meeting of New Mexico Geological Society. Sante Fe, NM; United States of America (USA); NM Geol. Soc. (1966). 9p.
NEW MEXICO;THERMAL WATERS;GEOLOGIC STRATA; HOT SPRINGS;IGNEOUS ROCKS;SEDIMENTARY ROCKS; FLOW RATE;TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION;SODIUM;MAGNESIUM;POTASSIUM;LITHIUM

1089 GEOTHERMAL POWER POTENTIAL IN UTAH. Heylmun, E.B. Utah Geol. and Mineral. Surv. - Spec. Studies; No. 14, 28p.(Jan 1966).
UTAH;GEOTHERMAL FIELDS;HOT SPRINGS;GEOLOGIC FAULTS

1090 DISTRIBUTION AND OCCURRENCE OF NEW MEXICO'S THERMAL WATERS - A STATISTICAL SUMMARY. Summers, W.K. Technical paper. Socorro; New Mexico Inst. Mining and Technology State Bureau of Mines and Mineral Resources (May 1966). 9p.
From 20. Annual Meeting of New Mexico Geological Society; May 1966 (Roswell).
Water temperatures of 90°F or above 7.4 medium pH, 105°F medium max. temperature, 30.5 gpm medium discharge rate. NEW MEXICO;THERMAL WATERS;GEOTHERMAL EXPLORATION;HOT SPRINGS; CHEMICAL COMPOSITION;DISTRIBUTION;SODIUM; MAGNESIUM;POTASSIUM;LITHIUM;PH VALUE

1091 GEOTHERMOMETRY FROM THERMOLUMINESCENCE OF CONTACT-METAMORPHOSED LIMESTONE. Johnson, N.M. J. Geol.; 74: No. 5, Pt. 1, 607-19(Sep 1966).
ARIZONA;LIMESTONE;GEOTHERMOMETRY; THERMOLUMINESCENCE;GEOLOGY;GEOLOGIC STRATA

1092 HYDROTHERMAL ALTERATION NEAR THE HORN SILVER MINES, BEAVER COUNTY, UTAH. Stringham, B. UT Geol. Mineral. Surv., Spec. Studies 16. Salt Lake City, Utah; United States of America (USA); UT Geol. Mineral. Surv. (1967). 35p.
UTAH;GEOLOGICAL SURVEYS;MINERAL RESOURCES; HYDROTHERMAL ALTERATION;GEOLOGIC FAULTS; GEOLOGIC STRATA;SILVER;ROCKS

1093 SUMMARY OF THE GEOLOGY AND ISOTOPE GEOCHEMISTRY OF STEAMBOAT SPRINGS, NEVADA. White, D.E.; Craig, H.; Begemann, F. pp 9-16 of Nuclear geology on geothermal areas, Spoleto, 1963. Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
NEVADA;GEOTHERMAL FIELDS;GEOLOGY;METEOROLOGY; HYDROLOGY;METEORIC WATER;STEAMBOAT SPRINGS; GEOCHEMISTRY;HEAT FLOW

1094 SALTON-MEXICALI GEOTHERMAL PROVINCE. Koenig, J.B. Calif. Div. Mines Geol., Miner. Inform. Serv.; 20: No. 7, 75-81(1967).
SALTON SEA;CALIFORNIA;GEOLOGY;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;MEXICO

1095 GEOPHYSICAL STUDY OF GEYSER ACTION IN YELLOWSTONE NATIONAL PARK. Nicholls, H.R.; Rinehart, J.S. J. Geophys. Res.; 72: No. 18, 4651-4663(1967).
YELLOWSTONE NATIONAL PARK;GEYSERS; PERFORMANCE;OLD FAITHFUL GEYSER;NATURAL STEAM; FLUID FLOW;SEISMIC DETECTION;GEOPHYSICAL SURVEYS

1096 CLAY MINERAL FORMATION IN MUD POTS, YELLOWSTONE PARK, WYOMING. Droste, J.B. pp 409-22 of Proceedings of 15th Clay Minerals Conference, Pittsburgh, PA, 1966. London-New York; Pregamon Press (1967).
YELLOWSTONE NATIONAL PARK;KAOLIN;ILLITE; MONTMORILLONITE;CLAYS;ROCKS;HYDROTHERMAL ALTERATION;THERMAL WATERS;HOT SPRINGS;SILICON OXIDES;SEDIMENTS;ORIGIN;MINERALIZATION;MINERALS

1097 YELLOWSTONE AND GRAND TETON NATIONAL PARKS. Scharff, R. (ed.). New York; United States of America (USA); David McKay Co. (1967). 209p.
YELLOWSTONE NATIONAL PARK;GEOLOGY; GEOMORPHOLOGY;VOLCANOES;HOT SPRINGS;GEYSERS; FUMAROLES;GEOLOGIC FAULTS;CALCIUM CARBONATES; SILICON OXIDES

1098 PORPHYRY COPPER DEPOSIT EXPOSED IN THE LIBERTY OPENPIT MINE NEAR ELY, NEVADA - FORMATION OF HYDROTHERMAL ALTERATION ZONES. Fournier, R.O. Econ. Geol.; 62: No. 2, Pt. 2, 207-27(1967).
NEVADA;GEOLOGIC FAULTS;HYDROTHERMAL ALTERATION;FELDSPARS;KAOLIN;MICA;QUARTZ; SILICATES;MUSCOVITE;COPPER SULFIDES;MINERALS

1099 HYDROLOGIC SIGNIFICANCE OF THE ANIMAS VALLEY HOT SPOT, HIDALGO COUNTY, NEW MEXICO. Summers, W.K. NM Acad. Sci. Bull.; 8: No. 1, 24(1967).
Water temperature of 216°F. HYDROLOGY; THERMAL WATERS;NEW MEXICO;NATURAL STEAM; AQUIFERS;GROUND WATER;WATER RESOURCES;DIFFUSION; DISPERSIONS

1100 FIELD TRIP TO THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Koenig, J.B. Annual field trip. Northern Calif. Geol. Soc. (1968).
GEYSERS GEOTHERMAL FIELD;HOT SPRINGS; FUMAROLES;THERMAL WATERS;GEOTHERMAL WELLS; DRILLING;WELL DRILLING;SANDSTONES;GRAYWACKE; BASALT;SHALES;ELECTRIC POWER;GEOLOGY

1101 GEOLOGY OF THE KELSEYVILLE QUADRANGLE, SONOMA, LAKE AND MENDOCINO COUNTIES, CALIFORNIA. McNitt, J.R. Map Sheet 9. Sacramento; Calif. Div. Mines, Geol. (1968).
GEYSERS GEOTHERMAL FIELD;HOT SPRINGS;GEOLOGY

1102 POINT ARENA HOT SPRINGS. Calif. Div. Mines, Geol., Mineral Info. Serv.; 21: No. 4, 61(1968).
CALIFORNIA;HOT SPRINGS;GEOLOGY;THERMAL WATERS

1103 GEOLOGIC AND THERMODYNAMIC CHARACTERISTICS OF THE SALTON SEA GEOTHERMAL SYSTEM. Helgeson, H.C. Am. J. Sci.; 266: 129-66(1968).
Subsurface temperature >300°C at 3000 ft, brine enthalpy at 220-275 cal/gm. SALTON SEA; BRINES;GEOTHERMAL FIELDS;SHALES;GEOLOGY; ENTHALPY;HYDROLOGY;HEAT FLOW;CONVECTION;SODIUM CHLORIDES;CALCIUM CHLORIDES;POTASSIUM CHLORIDES; THERMODYNAMIC PROPERTIES;GEOTHERMAL SYSTEMS; SALINITY;SAND;TEMPERATURE MEASUREMENT

1104 GEOCHEMICAL STUDY OF ROCK ALTERATION BY HOT SPRINGS IN THE PAINT POT HILL AREA, YELLOWSTONE PARK. Raymahashay, B.C. Geochim. Cosmochim. Acta; 32: No. 5, 499-

522(1968).
Rhyolitic country rocks. YELLOWSTONE NATIONAL PARK;HOT SPRINGS;ROCKS;CHEMICAL REACTIONS;CHEMICAL COMPOSITION;GEOCHEMISTRY; HYDROTHERMAL ALTERATION;SULFATES;SULFURIC ACID; SILICON OXIDES;KAOLIN;THERMAL WATERS

1105 MERCURY AND ANTIMONY DEPOSITS ASSOCIATED WITH ACTIVE HOT SPRINGS IN THE WESTERN UNITED STATES. Dickson, F.W.; Tunell, G. pp 1673-1701 of Ore deposits of the United States, 1933-1967, Volume 2. New York; AIME (1968).
USA;HOT SPRINGS;GEOTHERMAL FIELDS;GEOLOGIC DEPOSITS;MERCURY;ANTIMONY;MERCURY SULFIDES; ANTIMONY SULFIDES;DEPOSITION;CHEMICAL REACTIONS; SILICON OXIDES;CHEMICAL COMPOSITION;THERMAL WATERS;ABUNDANCE

1106 THERMAL SPRINGS NEAR MIDWAY, UTAH. Baker, C.H., Jr. pp 63-70, (Chap. D) of US Geological Survey, Professional Paper 600-D. Washington, DC; US Geological Survey (1968).
UTAH;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY;ROCKS;CALCIUM CARBONATES; METEORIC WATER;GEOTHERMAL GRADIENTS

1107 GEYSER ACTIVITY NEAR BEOWAWE, EUREKA COUNTY, NEVADA. Rinehart, J.S. J. Geophys. Res.; 73: No. 24, 7703-6(1968).
NEVADA;GEYSERS;FLOW RATE;THERMAL WATERS; TEMPERATURE MONITORING;TIME DEPENDENCE;SEISMIC SURVEYS;PERFORMANCE

1108 ORIGIN OF CO_2 IN THE SALTON SEA GEOTHERMAL SYSTEM, SOUTHEASTERN CALIFORNIA, USA. Muffler, L.J.P.; White, D.E. pp 185-94 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, Symposium 2. Prague; International Geological Congress (1968).
From 23. International Geological Congress, Symposium 2; Prague, Czech. (1968).
CALIFORNIA;SALTON SEA;GEOLOGY;ROCKS; METAMORPHISM;CHEMICAL REACTIONS;CARBON DIOXIDE; CARBONATES;SEDIMENTS;MINERALS;HYDROTHERMAL ALTERATION;GEOTHERMAL SYSTEMS;DOLOMITE;KAOLIN; CHLORITE MINERALS;CALCITE;CHEMICAL ANALYSIS

1109 BACTERIA ORIGIN OF SULFURIC ACID IN SULFUROUS HOT SPRINGS. Schoen, R.; Ehrlich, G.G. pp 171-8 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, Symposium 2. Prague; International Geological Congress (1968).
From 23. International Geological Congress, Symposium 2; Prague, Czech. (1968).
USA;HOT SPRINGS;SULFURIC ACID;SULFUR; OXIDATION;PRODUCTION;BACTERIA

1110 GEOTHERMAL FIELD OF CERRO PRIETO, BAJA CALIFORNIA. Clacy, G.R.T. Baja, CA; United States of America (USA); Res. Obras. Geoterm. Valle Mexicali (1968). 4p. (In Spanish).
CERRO PRIETO GEOTHERMAL FIELD;GEOLOGY

1111 POINT ARENA HOT SPRINGS. Jennings, C.W. Calif. Div. Mines Geol., Miner. Inform. Serv.; 21: No. 4, 61(1968).
CALIFORNIA;HOT SPRINGS;GEOLOGY;THERMAL WATERS

1112 HYDROTHERMAL EPIDOTE FORMED IN THE SALTON SEA GEOTHERMAL SYSTEM, CALIFORNIA. Keith, T.E.C.; Muffler, L.J.P.; Cremer, M. Am. Mineral.; 53: No. 9-10, 1635-44(Sep-Oct 1968).
Formed at 320°C and 125 to 145 atm. MINERALS; HYDROTHERMAL SYSTEMS;SALTON SEA;CHEMICAL COMPOSITION;CALIFORNIA;GEOTHERMAL FIELDS; SILICATES;CALCIUM;IRON;CHLORITE MINERALS; HEMATITE;QUARTZ;MINERALOGY

1113 INFRARED EXPLORATION FOR COASTAL AND SHORELINE SPRINGS. Lyon, R.J.P.; Lee, K. Stanford Univ. RSL Tech. Report No. 68-1. Stanford, CA; United States of America (USA); Stanford Univ. (15 Oct 1968). 68p.
Hydrogeology of test site at Mono Lake. INFRARED SURVEYS;HYDROLOGY;CALIFORNIA;NEVADA; SALINITY;LAKES;THERMAL WATERS;HOT SPRINGS; CALCIUM CARBONATES;SHORES;REMOTE SENSING;MIXING

1114 PRELIMINARY GEOTHERMAL MODEL OF THE SIERRA NEVADA. Lachenbruch, A.H. (US Geological Survey, Menlo Park, CA). J. Geophys. Res.; 73: No. 22, 6977-89(15 Nov 1968).
GEOLOGY;CALIFORNIA;HEAT FLOW;GEOPHYSICS; SEDIMENTS;EROSION;EARTH CRUST;SEISMIC WAVES; VELOCITY;THICKNESS;MATHEMATICAL MODELS

1115 HYDROLOGY OF NEOGENE DEPOSITS IN THE NORTHERN GULF OF MEXICO BASIN. Jones, P.H. Louisiana Water Resources Research Institute bulletin GT-2. Baton Rouge, LA; Louisiana State University (1969). 105p.
Research bulletin. GULF OF MEXICO;SHORES; HYDROLOGY;GEOTHERMAL RESOURCES;GEOLOGIC DEPOSITS;DEPTH;GROUND WATER;SALINITY;CLAYS;SAND; SEDIMENTATION

1116 OLD FAITHFUL GEYSER PERFORMANCE 1870 THROUGH 1966. Rinehart, J. Bull Volcanol; 33: No. 1, 153-163(1969).
OLD FAITHFUL GEYSER;PERFORMANCE;EARTHQUAKES; RAIN

1117 NEW MAPS ON GEYSERS AREA. Calif. Div. Mines, Geol., Mineral Info. Serv.; 22: No. 8, 133(1969).
GEYSERS GEOTHERMAL FIELD;GEOLOGY;GEOLOGICAL SURVEYS;MAPS

1118 GEYSERS GEOTHERMAL FIELD. Koenig, J.B. Calif. Div. Mines, Geol., Mineral Info. Serv.; 22: No. 8, 123-8(1969).
GEYSERS GEOTHERMAL FIELD;GEOLOGY;GEOTHERMAL EXPLORATION

1119 OLD FAITHFUL - PHYSICAL MODEL. Fournier, R.O. Science; 163: No. 3864, 304-5(1969).
OLD FAITHFUL GEYSER;FLUID FLOW;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;BOILING;HEATING; ROCKS;BLOWOUTS

1120 RATE OF SULFURIC ACID FORMATION IN YELLOWSTONE NATIONAL PARK. Schoen, R. Geol. Soc. Am., Bull.; 80: No. 4, 643-9(1969).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; SULFURIC ACID;PRODUCTION;BACTERIA;SULFUR; OXIDATION;HYDROGEN SULFIDES

1121 ACTION IN CRUMP, A COLUMNAR GEYSER. Rinehart, J.S. EOS, Trans., Am. Geophys. Union; 50: No. 11, 678(1969).
OREGON;GEYSERS;GEOTHERMAL ENERGY

1122 THERMAL AND SEISMIC ACTIVITY OF NARCISSUS GEYSER. Rinehart, J.S. EOS,

Trans., Am. Geophys. Union; 50: No. 4, 348(1969).
WYOMING;GEYSERS;PERFORMANCE;SEISMIC SURVEYS; GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT; YELLOWSTONE NATIONAL PARK

1123 CALIFORNIA GEYSERS IN 1888. Anderson, W. Calif. Div. Mines Geol., Miner. Inform. Serv.; 22: No. 8, 129-132(1969).
GEYSERS GEOTHERMAL FIELD;CALIFORNIA;GEYSERS; GEOLOGY

1124 INITIAL PERIODICITY OF NEW GEYSER, YELLOWSTONE NATIONAL PARK. Dort, W., Jr.; Hogan, A.W.; Reynolds, G.W., Jr. J. Geophys. Res.; 74: No. 17, 4206-8(1969).
Water level and temperature variations. YELLOWSTONE NATIONAL PARK;GEYSERS;VARIATIONS; TIME DEPENDENCE;TEMPERATURE MEASUREMENT;FLOW RATE

1125 OLD FAITHFUL GEYSER PERFORMANCE 1870 THROUGH 1966. Rinehart, J.S. Bull. Volcanol.; 33: No. 1, 153-63(1969).
OLD FAITHFUL GEYSER;VARIATIONS;PERFORMANCE

1126 HEAT FLOW IN COLORADO AND NEW MEXICO. Decker, E.R. J. Geophys. Res.; 74: No. 2, 550-9(1969).
COLORADO;NEW MEXICO;ROCKY MOUNTAINS;HEAT FLOW;NATURAL RADIOACTIVITY

1127 OBSERVATIONS ON PRE- AND POST-EARTHQUAKE PERFORMANCE OF OLD FAITHFUL GEYSER. Rinehart, J.S. (ESSA Res. Lab., Boulder, Colo); Murphy, A. J. Geophys. Res.; 74: No. 2, 574-5(Jan 1969).
YELLOWSTONE NATIONAL PARK;OLD FAITHFUL GEYSER;PERFORMANCE;EARTHQUAKES;SEISMIC EFFECTS

1128 ACTIVE METAMORPHISM OF UPPER CENOZOIC SEDIMENTS IN THE SALTON SEA GEOTHERMAL FIELD AND THE SALTON TROUGH, SOUTHEASTERN CALIFORNIA. Muffler, L.J.P.; White, D.E. (US Geological Survey, Menlo Park, CA). Geol. Soc. Am., Bull.; 80: No. 2, 147-81, 2 plates(Feb 1969).
CALIFORNIA;GEOTHERMAL WELLS;BRINES;SAND; CLAYS;SEDIMENTS;METAMORPHISM;CHLORINE;SODIUM; CALCIUM;POTASSIUM;IRON;GEOTHERMAL FIELDS;SALTON SEA;METAMORPHIC ROCKS;GEOLOGY

1129 COMPARISON OF TERRESTRIAL HEAT FLOW AND TRANSIENT GEOMAGNETIC FLUCTUATIONS IN THE SOUTHWESTERN UNITED STATES. Warren, R.E. (Ocean Sci. Eng., Long Beach, CA);Sclater, J.G.; Vacquier, V.; Roy, R.F. Geophysics; 34: No. 3, 463-78(Jun 1969).
ARIZONA;TEXAS;GEOTHERMAL EXPLORATION; MAGNETIC SURVEYS;HEAT FLOW;GEOMAGNETIC FIELD

1130 NEW MAPS ON GEYSERS AREA (SONOMA, MENDOCINO, AND LAKE COUNTIES, CA). Mineral Info. Serv.; 22: 133(Aug 1969).
CALIFORNIA;GEYSERS GEOTHERMAL FIELD;MAPS

1131 MICROEARTHQUAKES NEAR THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Lange, A.L.; Westphal, W.H. J. Geophys. Res.; 74: 4377-8(15 Aug 1969).
GEYSERS GEOTHERMAL FIELD;MICROEARTHQUAKES

1132 PHOTOGRAMMETRIC TECHNIQUES APPLIED IN THE DEVELOPMENT OF GEOTHERMAL RESOURCES IN MATSUKAWA AND OTAKE GEOTHERMAL AREAS USING A VECTOR METHOD. Todoki, N. (Inter. Geodetic Surv. Inst. Co., Ltd., Tokyo, Japan). Geothermics; Special Issue 2: 1302-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOLOGY;MAPS;VECTORS;EXPLORATION;TECTONICS; PHOTOGRAPHY;GEODESY;GEOMETRY;JAPAN;GEOTHERMAL FIELDS;MATSUKAWA GEOTHERMAL FIELD;OTAKE GEOTHERMAL FIELD

1133 HEAT FLOW FROM NATURAL GEYSERS. Rinehart, J. (Univ. of Colorado, Boulder). Tectonophysics; 10: 11-17(1970).
HEAT TRANSFER;GEYSERS;TEMPERATURE MEASUREMENT;METEORIC WATER;ENERGY YIELD;HEAT

1134 STRUCTURAL GEOLOGY AND GEOPHYSICS OF THE DURMID AREA, IMPERIAL VALLEY, CALIFORNIA. Babcock, E.A. Dissert. Abs. Internat., Sec. B, Sci. and Eng.; 31: No. 4, 2056B-2057B(1970).
IMPERIAL VALLEY;GEOLOGY;GEOPHYSICS

1135 EVIDENCE OF A SAN DIEGO BAY-TIJUANA FAULT. Wiegand, J.W. Bull. Assoc. Eng. Geol.; 7: No. 1-2, 107-21(1970).
CALIFORNIA;GEOLOGIC FAULTS;GRAVITY SURVEYS; THERMAL WATERS

1136 GEOLOGICAL INVESTIGATIONS AT THE COSO THERMAL AREA. Austin, C.F.; Pringle, J.K. US Naval Ordnance Test Station, Technical publication No. 4878. Pasadena, CA; United States of America (USA); Naval Ordnance Test Station (1970). 40p.
CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;VOLCANIC REGIONS;GEOTHERMAL FLUIDS; GEOLOGICAL SURVEYS;CHEMICAL COMPOSITION;GRAVITY SURVEYS;MAGNETIC SURVEYS;BOREHOLES;INFRARED SURVEYS;GEOTHERMAL ENERGY;POWER POTENTIAL; GEOPHYSICAL SURVEYS;HOT SPRINGS

1137 THERMAL SPRINGS AND WELLS, IN OREGON. Bowen, R.G.; Peterson, N.V. (comp.). Dept. Geol., Mineral Indust., Misc. Paper 14, Map. Salem, OR; United States of America (USA); Oregon Dept. Geol., Mineral Indust. (1970).
OREGON;HOT SPRINGS;THERMAL WATERS;FLOW RATE; WATER RESOURCES;TEMPERATURE MEASUREMENT

1138 CHALLENGE OF THE GEYSERS. Facca, G. Field trip to The Geysers, 4 Jun 1970. Anderson, D.N. (comp.). Lafayette, CA; Amer. Petrol. Inst., Northern Calif. Chap., Div. of Production (1970).
CALIFORNIA;GEYSERS GEOTHERMAL FIELD; EXPLORATION

1139 SEISMIC REFRACTION PROFILES OF THE ASH FLOW IN THE VALLEY OF TEN THOUSAND SMOKES, KATMAI NATIONAL MONUMENT, ALASKA. Gedney, J.; Matteson, C.; Forbes, R.B. J. Geophys. Res.; 75: No. 14, 2619-24(1970).
ALASKA;GEOLOGIC FAULTS;HEAT FLOW;GEOLOGIC STRATA;FUMAROLES;SEISMOLOGY;GEOPHYSICAL SURVEYS; SEISMIC SURVEYS

1140 SULFUR ISOTOPE DISTRIBUTION IN SOLFATARAS, YELLOWSTONE NATIONAL PARK. Schoen, R.; Rye, R.O. Science; 170: No. 3692, 1082-4(1970).
YELLOWSTONE NATIONAL PARK;SULFUR ISOTOPES; SOLFATARAS;HYDROGEN SULFIDES;SULFUR;SULFATES; SULFURIC ACID;HOT SPRINGS;GEOCHEMISTRY; OXIDATION;THERMAL WATERS;CHEMICAL COMPOSITION;

ABUNDANCE

1141 INFRARED SURVEY OF THE PISGAH CRATER AREA, SAN BERNARDINO COUNTY, CALIFORNIA - GEOLOGIC INTERPRETATION. Gawarecki, S.J. pp 10.1-10.38 of Earth resources aircraft program status review, NASA, Houston, 1968 - Volume 1, Geology, geography, and sensor studies. Houston, TX; Manned Spacecraft Center (1970).
CALIFORNIA;AERIAL PROSPECTING;GEOTHERMAL GRADIENTS;INFRARED SURVEYS;GEOLOGIC FAULTS

1142 THERMAL ANOMALITIES AND GEOLOGIC FEATURES OF THE MONO LAKE AREA, CALIFORNIA, AS REVEALED BY INFRARED IMAGERY. Friedman, J.D. pp 11.1-11.76 of Earth resources aircraft program status review, NASA, Houston, 1968 - Volume 1, Geology, geography, and sensor studies. Houston, TX; Manned Spacecraft Center (1970).
CALIFORNIA;GEOTHERMAL GRADIENTS;GEOLOGY; GEOLOGIC STRATA;INFRARED SURVEYS;LITHOLOGY

1143 SULFUR ISOTOPE DETERMINATONS AS A GEOHYDROLOGIC TOOL. Kaliser, B.N.; Grey, D.C. pp 55-63 of Engineering geology and soils engineering symposium, 8th Annual, Pocatello, Idaho, 1970, Proceedings. Boise, Idaho; Idaho Dept. Highways (1970).
UTAH;AQUIFERS;SULFUR ISOTOPES;HOT SPRINGS; JUVENILE WATER;CONNATE WATER;METEORIC WATER; SULFATES;SULFIDES;CHEMICAL ANALYSIS;GROUND WATER;THERMAL WATERS;HYDROLOGY

1144 GRAVITY ANOMALIES IN CACHE VALLEY, CACHE AND BOX ELDER COUNTIES, UTAH, AND BANNOCK AND FRANKLIN COUNTIES, IDAHO. Peterson, D.L.; Oriel, S.S. pp C114-C118 of Geological Survey research 1970, Chapter C. US Geological Survey Professional Paper 700-C. Washington, DC; US Geol. Surv. (1970).
UTAH;IDAHO;GRAVITY SURVEYS;EARTH CRUST; STRATIGRAPHY;GEOLOGIC FAULTS;GEOLOGY

1145 MAJOR THERMAL SPRINGS OF UTAH. Mundorff, J.C. Utah Geol. and Mineralog. Survey Water-Resources Bulletin 13. Salt Lake City; United States of America (USA); Utah Geol. and Mineralog. Surv. (1970). 60p.
UTAH;HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS;CHEMICAL COMPOSITION;SODIUM CHLORIDES;SILICON OXIDES; ABUNDANCE;FLOW RATE;WATER RESOURCES;SURFACE WATERS;WATER POLLUTION;GEOLOGIC FAULTS

1146 RECONNAISSANCE GEOLOGY AND MINERAL RESOURCES OF EASTERN KLAMATH COUNTY AND WESTERN LAKE COUNTY, OREGON. Peterson, N.V.; McIntyre, J.R. Oregon Department of Geology and Mineral Industries Bulletin 66. United States of America (USA); Oregon Dept. Geol. Miner. Indus. (1970). 70p.
OREGON;GEOLOGY;MINERALOGY;VOLCANIC ROCKS; SEDIMENTARY ROCKS;ORES;TECTONICS;GEOLOGIC FAULTS;MINERALS;METAMORPHIC ROCKS

1147 THERMAL FEATURES AT VOLCANOES IN THE CASCADE RANGE, AS OBSERVED BY AERIAL INFRARED SURVEYS. Moxham, R.M. Bull. Volcanol.; 34: No. 1, 77-106(1970).
WASHINGTON;VOLCANOES;INFRARED SURVEYS;AERIAL MONITORING;THERMAL RADIATION;FUMAROLES;HOT SPRINGS

1148 POSSIBLE SEA-FLOOR SPREADING IN THE IMPERIAL VALLEY OF CALIFORNIA. PART 5. PRESENT CENTERS. Rex, R.W.; Randall, W. EOS, Trans., Am. Geophys. Union; 51: No. 7, 589(1970).
IMPERIAL VALLEY;TECTONICS

1149 USE OF MICROEARTHQUAKES IN THE STUDY OF THE MECHANICS OF EARTHQUAKE GENERATION ALONG THE SAN ANDREAS FAULT IN CENTRAL CALIFORNIA (IN EARTHQUAKE MECHANICS, A SYMPOSIUM, MADRID, SPAIN, 1969). Eaton, J.P.; Lee, W.H.K.; Pakiser, L.C. Tectonophysics; 9: No. 2-3, 259-82(1970).
CALIFORNIA;EARTHQUAKES;SEISMIC DETECTION; MAPS;GEOLOGIC FAULTS

1150 STRUCTURE OF MONO BASIN, CALIFORNIA. Pakiser, L.C. J. Geophys. Res.; 75: No. 20, 4077-80(1970).
CALIFORNIA;GEOLOGY;GEOPHYSICAL SURVEYS; STRATIGRAPHY;GRAVITY SURVEYS;GEOLOGIC DEPOSITS; SEISMIC SURVEYS;GEOLOGIC FAULTS

1151 FLUID PRESSURE VARIATIONS AND PREDICTION OF SHALLOW EARTHQUAKES. Sylvester, A.G. Science; 169: No. 3951, 1231-2(1970).
EARTHQUAKES;FLUIDS;PRESSURE DEPENDENCE; CALIFORNIA;EARTH CRUST;BOREHOLES;PRESSURE MEASUREMENT;HYDRAULICS;FORECASTING

1152 LONG LIVED THERMAL STRUCTURE UNDER THE SOUTHERN ROCKY MOUNTAINS. Gough, D.L.; Porath, H. Nature (London); 226: No. 5248, 837-9(1970).
COLORADO;UTAH;ROCKY MOUNTAINS;HEAT FLOW; MAGNETIC SURVEYS;GEOMAGNETIC FIELD

1153 FIELD TRIP TO THE GEYSERS GEOTHERMAL FIELD, LAKE AND SONOMA COUNTIES, 4 JUN 1970. Anderson, D.N. Woodland, CA; United States of America (USA); Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970). vp.
GEYSERS GEOTHERMAL FIELD;GEOLOGY;CALIFORNIA; BIBLIOGRAPHIES

1154 RECENT STUDIES OF THE LARGE NATURAL HYDROTHERMAL SYSTEMS. White, D.E. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;HYDROTHERMAL SYSTEMS;ORIGIN

1155 GEOLOGIC SUMMARY OF THE GEYSERS AREA, LAKE AND SONOMA COUNTIES, CALIFORNIA (MAP 1: 63,360). Anderson, J.Q. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;GEOLOGY;MAPS

1156 DAY AT THE GEYSERS IN 1861. Brewer, W.H. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;GEYSERS;REVIEWS

1157 VISIT TO THE CALIFORNIA GEYSERS IN 1888. Anderson, W. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;REVIEWS

1158 GEYSERS GEOTHERMAL FIELD, 1969. Koenig, J.B. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;REVIEWS

1159 ABNORMAL PRESSURES AND POTENTIAL GEOTHERMAL RESOURCES IN THE RIO GRANDE EMBAYMENT OF TEXAS. Wallace, R.H., Jr. (Geological Survey, Bay St. Louis, Miss. Gulf Coast Hydroscience Center). pp 87-116 of Proceedings of 2nd Symposium on Abnormal Subsurface Pressure. Baton Rouge; LSU, School of Geoscience and Dept. Pet. Engineering (Jan 1970).
GEOTHERMAL RESOURCES;TEXAS;GEOTHERMAL GRADIENTS;GROUND WATER;GEOLOGIC FAULTS;AQUIFERS; HYDROLOGY;GEOLOGY;SEDIMENTS;PRESSURE MEASUREMENT

1160 OCCURRENCE OF THERMAL GROUND-WATER IN THE BASIN AND RANGE PROVINCE OF ARIZONA. Wright, J.J. (Arizona Univ., Tucson. Dept. of Geosci.). pp 269-90 of Proceedings of Hydrology and Water Resources in Arizona and the Southwest Conference, Vol. I. Tempe; Arizona Section of American Water Resources Association and the Hydrology Section of Arizona Academy of Sciences (1971).
From Conference on Hydrology and Water Resources in Arizona and Southwest; Tempe, AZ (April 22-23, 1971).
ARIZONA;GROUND WATER;THERMAL WATERS;HOT SPRINGS;EXPLORATION;DISTRIBUTION;HYDROLOGY; GEOLOGY;GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS;GEOLOGIC FAULTS;METEORIC WATER

1161 FLUID INCLUSION STUDIES ON THE PORPHYRY-TYPE ORE DEPOSITS AT BINGHAM, UTAH, BUTTE, MONTANA, AND CLIMAX, COLORADO. Roedder, E. Econ. Geol.; 66: No. 1, Bateman issue, 98-120(1971).
GEOLOGIC STRATA;GEOLOGY;MAGMATIC WATER; HYDRAULICS;STRESSES;DENSITY;INCLUSIONS;GEOLOGIC DEPOSITS;GEOTHERMOMETRY;QUARTZ;PRESSURE GRADIENTS;MOLYBDENUM SULFIDES;PYRITES

1162 PREDICTION OF OLD FAITHFUL'S NEXT ERUPTION. Barbee, J.H. Earth Sci. Bull.; 4: No. 1, 37-41(1971).
OLD FAITHFUL GEYSER;PERFORMANCE;FLOW RATE; MATHEMATICAL MODELS;TIME DEPENDENCE

1163 INTERNAL STRUCTURE OF OLD FAITHFUL GEYSER AS DEDUCED FROM PHYSICAL EVIDENCE. Barbee, J.H. (Montana State Univ., Bozeman. Dept. of Chemical Engineering). Earth Sci. Bull.; 4: No. 4, 9-16(1971).
OLD FAITHFUL GEYSER;NATURAL STEAM;THERMAL WATERS;MIXTURES;FLUID FLOW;GEOLOGIC STRUCTURES; GEOLOGY;HYDROLOGY

1164 HYDROTHERMAL EXPLOSION CRATERS IN YELLOWSTONE NATIONAL PARK. Muffler, L.J.P.; White, D.E.; Truesdell, A.H. (Geological Survey, Menlo Park, CA). Geol. Soc. Am., Bull.; 82: No. 3, 723-40(Mar 1971).
WYOMING;GEOLOGIC DEPOSITS;HYDROTHERMAL ALTERATION;GEYSERS;EXPLOSIONS;CRATERS;THERMAL WATERS;HOT SPRINGS;GROUND WATER;GEOTHERMAL FIELDS;YELLOWSTONE NATIONAL PARK;FLASHING; HYDROTHERMAL SYSTEMS

1165 PRELIMINARY APPRAISAL OF GROUND WATER IN STORAGE WITH REFERENCE TO GEOTHERMAL RESOURCES IN THE IMPERIAL VALLEY AREA, CA. Dutcher, L.C.; Hardt, W.F.; Moyle, W.R. Jr. Geological Survey Circular No. 649. Menlo Park, CA; Geological Survey (1972). 57p.
GEOTHERMAL RESOURCES;IMPERIAL VALLEY; CALIFORNIA;GROUND WATER;THERMAL WATERS;ROCKS; WATER RESERVOIRS;COST;PUMPING;SALINITY

1166 GEOTHERMAL PROSPECTS IN NEW MEXICO. Summers, W.K. Geothermal overviews of the western United States. Davis, California; Geothermal Resour. Counc. (1972).
NEW MEXICO;HOT SPRINGS;GEOTHERMAL EXPLORATION;GEOLOGY;HEAT FLOW;GEOCHEMISTRY; RADIOACTIVITY;HYDROLOGY;THERMAL WATERS

1167 GEOTHERMAL EXPLORATION IN REGION 3. pp 9 of Geothermal overviews of the western United States. Davis, California; Geothermal Resource Council (1972).
CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL EXPLORATION;GEOLOGY;HYDROLOGY;GEOPHYSICAL SURVEYS;THERMAL WATERS;GEOTHERMAL RESOURCES

1168 GEOTHERMAL RESOURCES OF COLORADO. Pearl, R.H. (Geol. Surv. Colorado, Denver, CO). Colo. Geol. Surv., Spec. Publ.; No. 2, 1-54(1972).
COLORADO;GEOTHERMAL RESOURCES;HOT SPRINGS; REVIEWS;CHEMICAL ANALYSIS;FLOW RATE;TEMPERATURE MEASUREMENT;SPECTROSCOPY

1169 REPORT OF A RECONNAISSANCE OF THE BASIN OF THE UPPER YELLOWSTONE IN 1871. Barlow, J.W.; Heap, D.P. Senate Doc. 66. Washington, DC; United States of America (USA); 42nd US Congress, 2nd Session (1872). 43p.
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;GEOLOGY

1170 QUALITY OF THE GROUND WATER IN BASALT OF THE COLUMBIA RIVER GROUP, WASHINGTON, OREGON AND IDAHO. Newcomb, R.C. Water-Supply Paper 1999-N. Reston, VA; United States of America (USA); Geol. Surv. (1972). 71p. GPO $0.75.
BASALT;GROUND WATER;WATER QUALITY;WASHINGTON; OREGON;IDAHO;GEOCHEMISTRY;HOT SPRINGS; CARBONATES;CALCIUM;SODIUM;COLUMBIA RIVER; HYDROLOGY

1171 GROUND-WATER OCCURRENCE IN NORTHERN AND CENTRAL PARTS OF WESTERN COLORADO. Boettcher, A.J. Colorado Water Conservation Board Resources Circular No. 15. Denver, CO; United States of America (USA); Geological Survey (1972). 25p.
COLORADO;GROUND WATER;WATER QUALITY;WATER CHEMISTRY;WATER RESOURCES;AQUIFERS;HYDROLOGY; HOT SPRINGS

1172 GEOLOGY OF PRE-TERTIARY ROCKS IN THE NORTHERN PART OF YELLOWSTONE NATIONAL PARK, WYOMING. Ruppel, E.T. (US Geol. Surv., Washington, DC). Prof. Paper No. 729-A. Washington, DC; United States of America (USA); US Geol. Surv. (1972). 66p.
YELLOWSTONE NATIONAL PARK;GEOLOGY; METAMORPHIC ROCKS;SEDIMENTARY ROCKS;GRANITES; QUARTZ;BIOTITE;IGNEOUS ROCKS

1173 CRUSTAL SPREADING IN SOUTHERN CALIFORNIA. Elders, W.A.; Rex, R.W.; Meidav, T.; Robinson, P.T.; Biehler, S. Science; 178: 15-24(6 Oct 1972).
IMPERIAL VALLEY;GEOTHERMAL FIELDS;GEOLOGIC FAULTS;CALIFORNIA;VOLCANIC REGIONS;SALTON SEA; GEOTHERMAL GRADIENTS;BRINES;GEOTHERMAL

RESOURCES;EARTH CRUST

1174 ACTIVE LOW-TEMPERATURE ALTERATION OF ARENACEOUS SANDS IN A NEAR-SURFACE GEOTHERMAL ENVIRONMENT IN THE IMPERIAL VALLEY OF CALIFORNIA. Elders, W.A.; Bird, D. Geol. Soc. Am., Bull.; 5: No. 7, 610(1973).
SAND;SEDIMENTS;IMPERIAL VALLEY;HYDROTHERMAL ALTERATION;PETROLOGY;BRINES;GEOTHERMAL ENERGY; ENVIRONMENTAL EFFECTS;POROSITY;SEDIMENTATION

1175 TECTONIC MAP OF IDAHO FROM ERTS IMAGERY. Day, N.F.; Hall, W.B. Geol. Soc. Am., Bull.; 5: No. 7, 594(1973).
IDAHO;TECTONICS;MAPS;SATELLITES;MINERAL RESOURCES;REMOTE SENSING;GEOTHERMAL ENERGY; GEOLOGY

1176 CAVERN DEVELOPMENT BY THERMAL SPRINGS. Egemeier, S.J. (State Univ. New York, New Paltz, USA). EOS, Trans., Am. Geophys. Union; 54: No. 4, 488(1973).
WYOMING;HOT SPRINGS;CAVES;LIMESTONE;EROSION; THERMAL WATERS;SOLVENT PROPERTIES;CHEMICAL COMPOSITION;GYPSUM

1177 INFLUENCE OF LONG TERM EARTH TIDAL FORCES ON GEYSERS. Rinehart, J.S. (NOAA, Boulder, Colo., USA). EOS, Trans., Am. Geophys. Union; 54: No. 4, 460(1973).
GEYSERS;VARIATIONS;TIDE;CORRELATIONS; GRAVITATION

1178 VOLCANISM AND GEOCHRONOLOGY OF LONG VALLEY CALDERA, MONO COUNTY, CALIFORNIA. Bailey, R.A.; Lanphere, M.A.; Dalrymple, G.B. EOS, Trans., Am. Geophys. Union; 54: No. 11, 1211(1973).
From Fall Annual Meeting, Section of Volcanology, Geochemistry, and Petrology; Geothermal Resource Investigation, I, Long Valley Symposium; San Francisco (1973).
CALIFORNIA;VOLCANIC REGIONS;GEOLOGY;GEOLOGIC DEPOSITS;AGE ESTIMATION;GEOTHERMAL FIELDS; IGNEOUS ROCKS;PETROLOGY;GEOMORPHOLOGY;TUFF

1179 CONTEMPORARY TECTONICS AND SEISMICITY OF THE INTERMOUNTAIN WEST. Smith, R.B.; Sbar, M.L. Earthquake Notes; 44: No. 1-2, 39-40(1973).
USA;TECTONICS;EARTHQUAKES;SEISMIC SURVEYS; GEOTHERMAL GRADIENTS;GEOLOGIC FAULTS; CORRELATIONS

1180 POSSIBILITIES FOR DEVELOPMENT IN HOT AREAS ADJACENT TO THE TRANSMISSION LINES OF THE SOUTHERN SIERRAS POWER COMPANY. Siegfried, H.N. pp 117-144 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
CALIFORNIA;GEOTHERMAL EXPLORATION;SITE SELECTION;GEOTHERMAL WELLS;HOT SPRINGS; FUMAROLES;GEOTHERMAL FIELDS

1181 HYDROGEOCHEMICAL FEATURES OF THE PARATUNSK HYDROTHERMAL SYSTEM. Klimenko, I.A. Tr. Vses. Nauch.-Issled. Inst. Gidrogeol. Inzh. Geol.; 63: 132-9(1973).
PARATUNKA GEOTHERMAL FIELD;HYDROTHERMAL SYSTEMS;THERMAL WATERS;ENERGY YIELD;HEAT;FLOW RATE;HYDROLOGY;GEOLOGY;SILICON OXIDES; GEOCHEMISTRY

1182 BEOWAWE STILL ROARS. Wehlage, E.F. pp 182-92 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
Flow phenomena at Nevada geothermal well.
NEVADA;HOT SPRINGS;GEOTHERMAL WELLS;PERFORMANCE

1183 GROUND WATER AND THE GEOTHERMAL RESOURCE. SPECIAL REPORT. Port Washington, NY; Geraghty and Miller (Sep 1973). 14p.
GROUND WATER;THERMAL WATERS;GEOTHERMAL RESOURCES;HOT SPRINGS;REVIEWS;METEORIC WATER; HEAT TRANSFER

1184 PRESENT-DAY DEPOSITION OF LEPIDOLITE FROM THERMAL WATERS IN YELLOWSTONE NATIONAL PARK. Bargar, K.E.; Beeson, M.H.; Fournier, R.O.; Muffler, L.J.P. (US Geological Survey, Menlo Park, CA). Am. Mineral.; 58: No. 9-10, 901-4(Sep-Oct 1973).
THERMAL WATERS;MINERALS;MICA;DEPOSITION; BOREHOLES;HOT SPRINGS;WYOMING;HYDROTHERMAL SYSTEMS;FLUORINE;LITHIUM;POTASSIUM

1185 PETROLOGY OF SILICIFIED CAP ROCKS IN THE DUNES GEOTHERMAL ANOMALY, IMPERIAL VALLEY OF CALIFORNIA. Bird, D.K.; Elders, W.A. (Univ. California, Riverside; American Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1214(Nov 1973).
From Amer. Geophys. Union 1973 Fall Annual Meeting; San Francisco, CA (10-13 Dec 1973).
150°C or 290 M. well depth. IMPERIAL VALLEY; CALIFORNIA;PETROLOGY;ROCKS;CAP ROCK;SEDIMENTS; BRINES;HYDROTHERMAL SYSTEMS;SILICON OXIDES; BOREHOLES;QUARTZITES;COLORADO RIVER

1186 SEISMICITY OF THE IMPERIAL VALLEY, CALIFORNIA, 1973. Hill, D.P.; Peake, L.; Mowinckel, P.; Hileman, J.A. EOS, Trans., Am. Geophys. Union; 55: No. 4, 346(1974).
IMPERIAL VALLEY;SEISMOLOGY;GEOTHERMAL SYSTEMS;GEOLOGIC FAULTS;CALIFORNIA;SALTON SEA; EARTHQUAKES;SEISMIC SURVEYS

1187 CALIFORNIA GEOLOGY. Hill, M.R. California Geology; 27: No. 4, 74-94(1974).
CALIFORNIA;GEOLOGY;EARTHQUAKES;OIL SHALES; URANIUM;GEOTHERMAL RESOURCES;SEISMOLOGY; TSUNAMIS;WASTE DISPOSAL;MINERAL RESOURCES

1188 CONVECTION MODEL FOR THERMAL SPRINGS IN THE SOUTHEAST. Lowell, R.P. Geol. Soc. Am., Bull.; 6: No. 4, 377(1974).
USA;HOT SPRINGS;THERMAL WATERS;CONVECTION; MATHEMATICAL MODELS;GEOPHYSICAL SURVEYS; TEMPERATURE DISTRIBUTION

1189 GEOTHERMAL SYSTEMS OF NORTHERN NEVADA. Hose, R.K.; Taylor, B.E. Geol. Soc. Am., Bull.; 6: No. 3, 193-194(1974).
NEVADA;GEOTHERMAL RESOURCES;HYDROLOGY; GEOLOGY;GEOTHERMAL GRADIENTS;THERMAL WATERS; GEOTHERMAL SYSTEMS;METEORIC WATER

1190 ARGILLIZATION BY DESCENDING ACID AT STEAMBOAT SPRINGS, NEVADA. Schoen, R.; White, D.E.; Hemley, J.J. Clays Clay Miner.; 22: No. 1, 1-22(1974).
MINERALS;HYDROTHERMAL ALTERATION;HOT SPRINGS; THERMAL WATERS;STEAMBOAT SPRINGS;THERMAL WATERS; STEAMBOAT SPRINGS;SULFURIC ACID;KAOLIN;GEOLOGIC DEPOSITS;CLAYS;SYNTHESIS;FELDSPARS

1191 COMMUNICATION BETWEEN MAGMATIC AND METEORIC FLUIDS DURING FORMATION OF FE-RICH

SKARNS IN NORTH-CENTRAL NEVADA. Taylor, B.E. EOS, Trans., Am. Geophys. Union; 55: No. 4, 478(1974).
NEVADA;ROCKS;HYDROTHERMAL ALTERATION; MAGMATIC WATER;METEORIC WATER;MIXING;PETROLOGY; CHLORITE MINERALS;ISOTOPE RATIO;GEOCHEMISTRY; INCLUSIONS;IRON SILICATES;SYNTHESIS;AMPHIBOLE; QUARTZ

1192 IMPLICATIONS OF LATE CENOZOIC VOLCANISM TO GEOTHERMAL POTENTIAL IN THE HIGH LAVA PLAINS OF SOUTH-CENTRAL OREGON. Walker, G.W. Ore Bin; 36: No. 7, 109-19(1974).
OREGON;VOLCANOES;GEOTHERMAL RESOURCES; VOLCANIC ROCKS;IGNEOUS ROCKS;GEOLOGY;PETROLOGY; MAGMA;SILICON OXIDES;STRATIGRAPHY;LAVA;TUFF; POTASSIUM;ARGON;QUANTITY RATIO

1193 GEOTHERMAL ENERGY POTENTIAL OF WASHINGTON. Schuster, J.E. (Washington Div. Mines Geol., Olympia, WA). Inform. Circ. Wash. Div. Mines. Geol.; No. 50, 5-19(1974).
WASHINGTON;HOT SPRINGS;GEOTHERMAL RESOURCES; MEDIUM TEMPERATURE;HIGH TEMPERATURE;TEMPERATURE MEASUREMENT;GEOTHERMAL RESOURCES

1194 GEOPHYSICS OF COLORADO AND GEOTHERMAL ENERGY. Keller, G.V. (Colorado School of Mines, Golden). pp 31-43 of Proceedings of a symposium on geotnermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
COLORADO;GEOTHERMAL RESOURCES;AVAILABILITY; GEOTHERMAL SYSTEMS;POWER POTENTIAL;GEOPHYSICAL SURVEYS;MAPS;DATA

1195 SUMMARY OF GEOLOGY OF COLORADO RELATED TO GEOTHERMAL ENERGY POTENTIAL. Grose, L.T. (Colorado School of Mines, Golden). pp 11-29 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
COLORADO;GEOLOGICAL SURVEYS;GEOTHERMAL SYSTEMS;DATA;MAPS;HEAT FLOW;GEOTHERMAL RESOURCES;AVAILABILITY;GEOTHERMAL EXPLORATION; GEOTHERMAL GRADIENTS;GEOLOGIC FAULTS;HOT SPRINGS

1196 AGES OF TERTIARY VOLCANIC ROCKS AND HYDROTHERMAL PRECIOUS METAL DEPOSITS IN CENTRAL AND WESTERN NEVADA. Silberman, M.H.; McKee, E.H. (US Geol. Surv., Menlo Park, CA). Nev., Bur. Mines, Rep.; 19: 67-72(1974).
VOLCANIC ROCKS;AGE ESTIMATION;NEVADA; HYDROTHERMAL SYSTEMS;GEOLOGIC DEPOSITS;REVIEWS

1197 GROUND WATER IN THE SOUTHWESTERN PART OF THE JEMEZ MOUNTAINS VOLCANIC REGION, NEW MEXICO. Trainer, F.W. pp 337-45 of New Mexico Geological Society Guidebook, 25th Field Conference, Ghost Ranch (Central-Northern New Mexico). Albuquerque, NM; Geol. Surv. (1974).
JEMEZ MOUNTAINS;GROUND WATER;VOLCANIC REGIONS;NEW MEXICO;THERMAL WATERS;HYDROLOGY; GEOLOGY;HOT SPRINGS

1198 METEORIC WATER IN MAGMAS. Friedman, I.; Lipman, P.W.; Obradovich, J.D.; Gleason, J.D.; (US Geological Survey, Denver, Colo., USA); Christianson, R.L. Science; 184: No. 4141, 1069-72(7 Jun 1974).
YELLOWSTONE NATIONAL PARK;NEVADA;COLORADO; IGNEOUS ROCKS;OXYGEN 18;ISOTOPE RATIO;METEORIC WATER;CHEMICAL REACTIONS;OXYGEN ISOTOPES;GROUND WATER

1199 GEOTHERMAL POTENTIALS IN SOUTH DAKOTA. Schoon, R.A.; McGregor, D.J. Geotherm. Energy Mag.; 2: No. 9, 19-31(Sep 1974).
GEOTHERMAL RESOURCES;HEAT FLOW;GEOTHERMAL GRADIENTS;HEAT TRANSFER;EARTHQUAKES;SOUTH DAKOTA;GEOLOGICAL SURVEYS;MAPS

1200 REPORT ON THE GEOLOGY OF PORTIONS OF CALIFORNIA, NEVADA, UTAH, COLORADO, NEW MEXICO, AND ARIZONA, EXAMINED IN THE YEARS 1871, 1872, AND 1873. Gilbert, G.K. U.S. Geol., Geog. Surv. West 100th Meridian; 3: No. 1, 19-187(1875).
CALIFORNIA;NEVADA;UTAH;NEW MEXICO;ARIZONA; HOT SPRINGS;GEOLOGY

1201 GEOLOGIC SETTING AND CHEMICAL CHARACTERISTICS OF HOT SPRINGS IN WEST-CENTRAL ALASKA. Miller, T.P.; Barnes, I.; Patton, W.W., Jr. (US Geol. Surv., Anchorage, Alaska). J. Res. U.S. Geol. Surv.; 3: No. 2, 149-62(1975).
GEOLOGY;HOT SPRINGS;ALASKA;CHEMICAL COMPOSITION;METEORIC WATER;GEOTHERMOMETRY; GEOCHEMISTRY;GRANITES;HIGH TEMPERATURE

1202 GEOHYDROLOGIC RECONNAISSANCE OF THE IMPERIAL VALLEY, CALIFORNIA: WATER RESOURCES OF LOWER COLORADO RIVER--SALTON SEA AREA. Loeltz, O.J.; Irelan, B.; Robison, J.H.; Olmsted, F.H. Geologiacal Survey Professional Paper 486-K. Washington, DC; United States of America (USA); Geological Survey (1975). 54p. GPO $2.85.
IMPERIAL VALLEY;CALIFORNIA;GEOLOGY;HYDROLOGY; GROUND WATER;CHEMICAL COMPOSITION;STRATIGRAPHY; GEOLOGICAL STRUCTURES;WATER RESERVOIRS;COLORADO RIVER;SALTON SEA;WATER RESOURCES;VOLCANIC ROCKS

1203 LOW-TEMPERATURE RHYOLITES FROM THE ROOSEVELT GEOTHERMAL AREA, UTAH. Evans, S.H. Jr.; Nash, W.P. (Univ. of Utah, Salt Lake City). pp 1070 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
VOLCANIC ROCKS;UTAH;RHYOLITES;SILICON OXIDES; FELDSPARS;IRON OXIDES;TITANIUM OXIDES; GEOTHERMOMETRY;GEOTHERMAL FIELDS

1204 GEOLOGIC SETTING OF THE THERMO KGRA (KNOWN GEOTHERMAL RESOURCE AREA), BEAVER COUNTY, UTAH. Rowley, P.D.; Lipman, P.W. (Geological Survey, Denver). pp 1254 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
UTAH;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES; ANDESITES;RHYOLITES;TRAVERTINE;QUARTZ;HOT SPRINGS;GEOLOGY;MINERALIZATION;HYDROTHERMAL ALTERATION

1205 LIMITS ON THE DURATION OF HYDROTHERMAL ACTIVITY AT STEAMBOAT SPRINGS, NEVADA, BY K--AR AGES OF SPATIALLY ASSOCIATED ALTERED AND UNALTERED VOLCANIC ROCKS. Silberman, M.L.; White, D.E. (Geological Survey, Menlo Park, CA). pp 1272-1273 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
STEAMBOAT SPRINGS;VOLCANIC ROCKS; HYDROTHERMAL ALTERATION;FELDSPARS;BASALT;

ANDESITES;RHYOLITES;HYDROTHERMAL SYSTEMS;NEVADA; AGE ESTIMATION

1206 RATE OF SULFURIC-ACID PRODUCTION IN YELLOWSTONE NATIONAL PARK. Brock, T.D.; Mosser, J.L. (Dep. Bacteriology, Univ. Wisconsin, Madison, WS). Geol. Soc. Am., Bull.; 86: 194-8(Feb 1975).
YELLOWSTONE NATIONAL PARK;SULFURIC ACID; PRODUCTION;HYDROTHERMAL SYSTEMS;THERMAL WATERS; BACTERIA;HYDROLOGY;GEOLOGY;BIOGEOCHEMISTRY;DRY-STEAM SYSTEMS;HYDROGEN SULFIDES

1207 ANOMALOUS DELAYS OF TELESEISMIC P WAVES IN YELLOWSTONE NATIONAL PARK. Iyer, H.M. (US Geol. Surv., Menlo Park, CA). Nature (London); 253: No. 5491, 425-7(6 Feb 1975).
YELLOWSTONE NATIONAL PARK;SEISMIC P WAVES; MAGMA;GEOLOGY;EARTH MANTLE

1208 FIDELITY OF THERMOPHILIC BLUE-GREEN ALGAE TO HOT SPRING HABITATS. Jackson, J.E. ; Castenholz, R.W. (Univ. of Oregon, Eugene). Limnol. Oceanogr.; 20: No. 3, 305-322(May 1975).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; WYOMING;OREGON;ALGAE;SEDIMENTS;WATER

1209 MAGMA BENEATH YELLOWSTONE NATIONAL PARK. Eaton, G.P.; Christiansen, R.L.; Iyer, H.M.; Pitt, A.M.; Mabey, D.R.; Blank, H.R., Jr.; Zietz, I.; Gettings, M.E. Science; 188: No. 4190, 787-96(23 May 1975).
YELLOWSTONE NATIONAL PARK;MAGMA;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS;VOLCANOES;CRATERS; MAPS;GRAVITY SURVEYS;MAGNETIC SURVEYS;BASALT; SEISMIC SURVEYS;VOLCANIC REGIONS

1210 EARTHQUAKES, ACTIVE FAULTS, AND GEOTHERMAL AREAS IN THE IMPERIAL VALLEY, CALIFORNIA. Hill, D.P.; Mowinckel, P.; Peake, L.G. (US Geol. Surv., Menlo Park, CA). Science; 188: No. 4195, 1306-8(27 Jun 1975).
Imperial-Brawley and San Jacinto fault systems. IMPERIAL VALLEY;CALIFORNIA;EARTHQUAKES; GEOLOGIC FAULTS;GEOTHERMAL FIELDS

1211 FUME COMPOSITIONS FOUND AT VARIOUS STAGES OF ACTIVITY AT KILAUEA VOLCANO, HAWAII. Naughton, J.J. (Univ. of Hawaii, Honolulu); Lewis, V.; Thomas, D.; Finlayson, J.B. J. Geophys. Res.; 80: No. 21, 2963-2966(20 Jul 1975).
VOLCANOES;AEROSOLS;GASES;HAWAII;SULFUR DIOXIDE;SULFATES;CHLORINE;SODIUM;CALCIUM; POTASSIUM;MAGNESIUM;IRON;SULFUR COMPOUNDS; CHEMICAL ANALYSIS;CHEMICAL COMPOSITION

1212 BLACK HILLS AND THE AMERICAN WONDERLAND. Maguire, H.N. Chicago, IL. Donnelley, Loyd Co., Lakeside Libr.; 4: No. 82, 277-306(1877).
YELLOWSTIONE NATONAL PARK;HOT SPRINGS; GEYSERS

1213 TO THE ROCKIES AND BEYOND, OR, A SUMMER ON THE UNION PACIFIC RAILROAD AND ITS BRANCHES. Strahorn, R.E. Omaha, NB; United States of America (USA); Omaha Republican Printers (1878). 141p.
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS

1214 SYSTEMATIC GEOLOGY. King, C. US Geological Survey, Explor. 40th Parallel, Volume 1. Washington, DC; United States of America (USA); US Geol. Surv. (1878). 803p.
NEVADA;UTAH;HOT SPRINGS;MINERALS;DEPOSITS; FELDSPARS;OLIVINES;STEAMBOAT SPRINGS;GLASS; CRYSTALS;VOLCANIC ROCKS;GEOLOGY

1215 ANALYSES OF SOME GEYSER DEPOSITS. Leffmann, H. Chem. News; 43: No. 1112, 124(1881).
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;GEOLOGY;GEOLOGIC DEPOSITS;CHEMICAL COMPOSITION

1216 YELLOWSTONE NATIONAL PARK (IN THE WEST, FROM CENSUS OF 1880). Porter, R.P.; Gannet, H.; Jones, W.A. Chicago, IL; United States of America (USA); Rand, McNally Co. (1882). 630p.
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS

1217 THERMAL SPRINGS. Peale, A.C. pp 63-454 of Report on progress of the exploration in Wyoming and Idaho for the year 1878 (US Geol., Geog. Surv. Terr., 12th Ann. Rpt., Pt. 2). Hayden, F.V. Washington, DC; US Geol., Geog. Surv. (1883).
WYOMING;NEW ZEALAND;ICELAND;YELLOWSTONE NATIONAL PARK;USA;GEYSERS;HOT SPRINGS

1218 CONTRIBUTIONS TO THE GEOLOGICAL CHEMISTRY OF YELLOWSTONE NATIONAL PARK. Leffmann, H.; Beam, W. Am. J. Sci.; 25: No. 146, Ser. 3, 104-6(1883).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEOLOGY;GEOLOGIC DEPOSITS;CHEMICAL COMPOSITION; GEOCHEMISTRY

1219 ALASKA, ITS POPULATION, INDUSTRIES, AND RESOURCES. Petrov, I. US Dept. Interior, Census Office, 10th US Census; 8: 19-93(1884).
ALASKA;HYDROTHERMAL SYSTEMS

1220 YELLOWSTONE NATIONAL PARK. Hague, A. Science; 3: No. 52, 135-6(1884).
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS

1221 REPORT OF OPERATIONS IN THE DIVISION OF THE YELLOWSTONE NATIONAL PARK DURING THE YEAR ENDING JUNE 30, 1885. Hague, A. pp 54-9 of 6th Annual Report of US Geological Survey. Washington, DC; US Geol. Surv. (1885).
YELLOWSTONE NATIONAL PARK;GEYSERS

1222 SOAPING GEYSERS. Hague, A. A.I.M.E., Trans.; 17: 546-555(1889).
YELLOWSTONE NATIONAL PARK;GEYSERS

1223 SOAPING GEYSERS. Raymond, R.W. A.I.M.E., Trans.; 17: 449-454(1889).
YELLOWSTONE NATIONAL PARK;GEYSERS

1224 REPORT OF OPERATIONS IN THE DIVISION OF THE YELLOWSTONE NATIONAL PARK DURING THE YEAR ENDING JUNE 30, 1888. Hague, A. pp 91-6 of 9th Annual Report of US Geological Survey. Washington, DC; US Geol. Surv. (1889).
YELLOWSTONE NATIONAL PARK;GEYSERS;GEOLOGY

1225 YELLOWSTONE REGION AND ITS GEYSERS. Cadell, H.M. Scot. Geog. Mag.; 5: 233-48(1893).
YELLOWSTONE NATIONAL PARK;GEYSERS;TOPOGRAPHY;

GEOLOGY;HOT SPRINGS

1226 ITINERARY OF THE YELLOWSTONE PARK. Hague, A. pp 346-59 of 5th International Geological Congress, Washington, 1891, Report. Washington, DC; Int. Geol. Cong. (1893).
YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS

1227 SOME CONDITIONS AFFECTING GEYSER ERUPTION. Jaggar, T.A., Jr. Am. J. Sci.; 5, Ser. 4: 323-33(1898).
YELLOWSTONE NATIONAL PARK;GEYSERS;GEOLOGY

1228 OBSERVATIONS ON SOME WEST AMERICAN THERMAL ALGAE. Tilden, J.E. Bot. Gaz. (Chicago); 25: 89-105(1898).
YELLOWSTONE NATIONAL PARK;UTAH;OREGON;CANADA; HOT SPRINGS;ALGAE

1229 MINERAL WATERS OF THE UNITED STATES AND THEIR THERAPEUTIC USES. (WITH AN ACCOUNT OF THE VARIOUS MINERAL SPRING LOCALITIES, THEIR ADVANTAGES AND HEALTH RESORTS, MEANS OF ACCESS, ETC. TO WHICH IS ADDED AN INDEX OF POTABLE WATERS). Crook, J.K. New York and Philadelphia; United States of America (USA); Lea Bros. Co. (1899). 588p.
USA;MINERAL SPRINGS;USES;YELLOWSTONE NATIONAL PARK;GEYSERS;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;BALNEOLOGY

Non-USA

Refer also to citation(s) 348, 508, 591, 596, 621, 638, 650, 652, 661, 662, 675, 676, 687, 690, 693, 704, 705, 709, 710, 750, 754, 799, 804, 813, 1010, 1094, 2022, 2023, 2081, 2152, 2157, 2186, 2202, 2214, 2221, 2222, 2224, 2226, 2246, 2247, 2253, 2254, 2255, 2276, 2295, 2298, 2308, 2315, 2317, 2322, 2324, 2331, 2346, 2388, 2391, 2399, 2416, 2429, 2450, 2465, 2488, 2489, 2490, 2491, 2504, 2512, 2515, 2527, 2556, 2575, 2578, 2583, 2584, 2592, 2641, 2646, 2672, 2726, 2737, 2764, 2825, 2830, 2831, 2832, 2837, 2838, 2848, 2852, 2860, 2867, 2888, 2889, 2903, 2920, 2923, 2925, 2934, 2941, 2954, 3019, 3053, 3064, 3070, 3074, 3076, 3107, 3143, 3158, 3164, 3176, 3180, 3194, 3200, 3205, 3218, 3219, 3222, 3230, 3267, 3309, 3343, 3357, 3530, 3596, 4162, 4170, 4542, 4558, 4566, 4593, 5047, 5163, 5261, 5311, 5367

1230 (AD--750128) RECENT SOVIET INVESTIGATIONS IN GEOTHERMY. Rowell, E.M.; Hibben, S.G. (Informatics, Inc., Rockville, Md. (USA)). May 1972. Contract F44620-72-C-0053. 90p. NTIS $3.00.
USSR;HEAT FLOW;GEOPHYSICAL SURVEYS; GEOCHEMISTRY;HYDROLOGY;REVIEWS;TEMPERATURE MEASUREMENT;GEOTHERMAL EXPLORATION;GEOLOGY

1231 (CONF-740209--, pp 13-39) HYDROTHERMAL SYSTEM AND SEISMIC ACTIVITY OF HAKONE VOLCANO. Oki, Y.; Hirano, T. (Hot Spring Research Inst. of Kanagawa Prefecture, Yumoto 997, Hakone, Kanagawa, JA). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;JAPAN;HYDROTHERMAL SYSTEMS;THERMAL WATERS;NATURAL STEAM;SODIUM CHLORIDES;SULFATES; CHEMICAL PROPERTIES;PHYSICAL PROPERTIES; SEISMOLOGY;GEOCHEMISTRY;EARTHQUAKES

1232 (CONF-740209--, pp 59-73) GEOPHYSICAL EVIDENCE FOR THE AVAILABILITY OF GEOTHERMAL ENERGY IN NEW BRITAIN. Wiebenga, W.A. (Bureau of Mineral Resources, Canberra, Australia); Furumoto, A.S. 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS; GEOTHERMAL EXPLORATION;SEISMIC SURVEYS;GRAVITY SURVEYS;GEOLOGICAL SURVEYS;MAPS;VOLCANIC REGIONS;NEW GUINEA

1233 (CONF-740209--, pp 169-189) POTENTIAL UTILIZATION OF HEAT ENERGY FROM PHILIPPINE VOLCANIC AREAS. Alcaraz, A. (Commission on Volcanology, Quezon City, Philippines). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
PHILIPPINES;VOLCANIC REGIONS;GEOLOGY;HOT SPRINGS;GEOTHERMAL RESOURCES;HOT-WATER SYSTEMS; VOLCANIC ROCKS;GEOTHERMAL FIELDS

1234 (CONF-740209--, pp 191-204) PHYSICAL NATURE OF SOURCE PARAMETERS OF VOLCANIC EARTHQUAKES. Minakami, T. (Univ. of Tokyo). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;EARTHQUAKES;CRATERS;JAPAN; DISTRIBUTION;HAWAII;ITALY

1235 (CONF-740209--, pp 205-223) ALASKAN VOLCANO STUDIES, WITH SPECIAL REFERENCE TO AUGUSTINE VOLCANO. Kienle, J. (Univ. of Alaska, Fairbanks). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;ALASKA;ENERGY SOURCES;LAVA; MICROEARTHQUAKES;TECTONICS;MAPS;GEOLOGY

1236 (CONF-740209--, pp 643-649) CHARACTERISTIC GEOTECTONIC ENVIRONMENTS OF SOME GEOTHERMAL FIELDS RELATED WITH QUATERNARY VOLCANIC ZONES. Yamasaki, T. (Kyushu Univ., Japan). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
TECTONICS;VOLCANIC REGIONS;GEOTHERMAL FIELDS; RIFT ZONES;GEOLOGIC STRUCTURES;OTAKE GEOTHERMAL FIELD;JAPAN;WARIAKEI GEOTHERMAL FIELD;NEW ZEALAND

1237 (E--73-10874) SATELLITE GEOLOGICAL AND GEOPHYSICAL REMOTE SENSING OF ICELAND. SPECIAL REPORT NO. 1. William, R.S., Jr.; Palmason,

G. (Geological Survey, Washington, D.C. (USA)). 1 Aug 1973. 5p. (NASA-CR--133491). NTIS $3.00; $1.45 (mf).
ICELAND;AERIAL MONITORING;SATELLITES; GEOPHYSICS;GEOLOGY;REMOTE SENSING;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES

1238 (E--74-10385) SATELLITE GEOLOGICAL AND GEOPHYSICAL REMOTE SENSING OF ICELAND. PROGRESS REPORT, 1 SEP-31 OCT 1973. Williams, R.S., Jr. (Geological Survey, Reston, Va. (USA)). 1 Nov 1973. 8p. (NASA-CR--137170). NTIS $4.00; $1.45 (mf).
Torfajokull and Reykjanes geothermal areas.
ICELAND;GEOTHERMAL FIELDS;MAPS;AERIAL MONITORING;GEOPHYSICS;GEOLOGY;GEOMORPHOLOGY; VOLCANIC REGIONS;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS;REMOTE SENSING

1239 (E--74-10385) SATELLITE GEOLOGICAL AND GEOPHYSICAL REMOTE SENSING OF ICELAND. PROGRESS REPORT, 1 SEPTEMBER--31 OCTOBER 1973. William, R.S. Jr. (Geological Survey, Reston, Va. (USA)). 1 Nov 1973. 8p. NTIS $4.00.
GEOTHERMAL FIELDS;VOLCANOES;ICELAND;REMOTE SENSING;SATELLITES;GEOTHERMAL RESOURCES; GEOMORPHOLOGY;GEOLOGIC STRUCTURES;ROCKS

1240 (E--74-10467) SATELLITE GEOLOGICAL AND GEOPHYSICAL REMOTE SENSING OF ICELAND. PROGRESS REPORT, 1 SEP 1973-28 FEB 1974. Williams, R.S., Jr. (Geological Survey, Reston, Va. (USA)). 1 Mar 1974. 49p. (NASA-CR--136868). NTIS $5.50; $1.45 (mf).
ICELAND;GEOLOGY;GEOMORPHOLOGY;GEOPHYSICS; GLACIERS;SNOW;AERIAL MONITORING;SATELLITES; REMOTE SENSING;NAMAFJALL GEOTHERMAL FIELD; GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS

1241 (NASA-TT-F--696) DEEP THERMAL STREAM IN THE DAGESTAN TERRITORY. Dzhamalova, A.S. (Scientific Council for Geothermal Studies, Moscow). May 1972. 122p. NTIS $3.00; $0.95 (mf).
SEDIMENTARY ROCKS;THERMAL CONDUCTIVITY; SANDSTONES;CLAYS;HEAT FLOW;ZONES;RADIOISOTOPES; THERMAL WATERS;USSR;SAMPLING

1242 (PB--218830, pp 43) HYDROGEOLOGY OF THE NORTHERN YENISEY REGION (GIDROGEOLOGIYA YENISEYSKOGO SEVERA). Ginsburg, G.D. 1969.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USSR;GEOPHYSICAL SURVEYS;GEOLOGICAL SURVEYS; GROUND WATER;MINERAL SPRINGS;BRINES;ROCKS; TEMPERATURE DISTRIBUTION;TECTONICS;MINERALS; PROSPECTING;MEASURING METHODS;GEOCHEMISTRY; HYDROLOGY;GEOCHEMICAL SURVEYS

1243 (PB--218830, pp 63) CERRO PRIETO GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO. Mercado, G.S. 1969.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
CERRO PRIETO GEOTHERMAL FIELD;GEOLOGY; HYDROLOGY;GEOLOGIC FAULTS;GEOTHERMAL POWER PLANTS;POWER GENERATION;WASTE WATER;GEOTHERMAL WELLS;WASTE DISPOSAL;SOLAR DISTILLATION;BRINES; SALTS;RECOVERY;MEXICO

1244 (PB--218830, pp 73) GEOLOGY AND GEOCHEMISTRY OF THE PATHE GEOTHERMAL ZONE, HIDALGO, MEXICO. Nichols, C.R. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
MEXICO;PATHE GEOTHERMAL FIELD;GEOLOGY; GEOCHEMISTRY;BOREHOLES;GEOTHERMAL WELLS; GEOLOGIC STRATA;CLAYS;NATURAL STEAM;HYDROLOGY; GEOLOGIC FAULTS;HYDROTHERMAL ALTERATION; GEOLOGIC DEPOSITS;MONTMORILLONITE;ZEOLITES; QUARTZ;MINES

1245 INVESTIGATION OF HOT SPRINGS FOR GEOTHERMAL ENERGY EXPLOITATION. Narain, H.; Verma, R.K.; Gupta, M.L.; Hamza, V.M. Annual Report, 1967-68. Hyderabad; Nat. Geophys. Res. Inst.
INDIA;HOT SPRINGS;THERMAL WATERS; EXPLOITATION;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES

1246 REPORT ON THE GEOLOGY OF THE PHILIPPINE ISLANDS. Becker, G.F. pp 487-614 of 21st Annual Report of US Geological Survey, Pt. 3. Washington, DC; US Geol. Surv. (1901).
PHILIPPINES;VOLCANOES;FUMAROLES;SOLFATARAS; HOT SPRINGS;LAKES;GEOLOGY

1247 GEOLOGY OF THE NEW HEBRIDES. Mawson, D. Linnean Soc. New South Wales Proc.; 30: No. Pt. 3, 400-485(1905).
NEW HEBRIDES ISLANDS;HOT SPRINGS;GEOLOGY

1248 SOURCE OF THE WATERS OF GEYSERS. MacLaren, J.M. Geol. Mag.; 3, New. Ser.: 511-14(1906).
NEW ZEALAND;GEYSERS;THERMAL WATERS;ORIGIN; METEORIC WATER;MAGMATIC WATER

1249 SULPHUR IN THE PHILIPPINES. Goodman, M. Far Eastern Rev.; 4: 120-121(1907).
PHILIPPINES;SOLFATARAS;SULFUR;GEOLOGIC DEPOSITS

1250 GEOLOGY OF THE MIKONUI SUBDIVISION, NORTH WESTLAND. Morgan, P.G. N.Z. Geol. Surv., Bull. 6, New. Ser. Wellington, N.Z.; New Zealand; N.Z. Geol. Surv. (1908). 175p.
NEW ZEALAND;HOT SPRINGS;GEOLOGY

1251 GEOLOGICAL RECONNAISSANCE OF THE ISLAND OF LEYTE - WITH NOTES AND OBSERVATIONS ON THE ADJACENT SMALLER ISLANDS AND SOUTHWESTERN SAMAR. Adams, G.I. Philipp. J. Sci.; 4: No. 5, Sec. A, 339-58(1909).
PHILIPPINES;HOT SPRINGS;SOLFATARAS;VOLCANIC REGIONS;GEOLOGICAL SURVEYS

1252 GEOLOGY OF NEW ZEALAND. INTRODUCTION TO THE HISTORICAL, STRUCTURAL, AND ECONOMIC GEOLOGY. Park, J. Christchurch and London; United Kingdom of Great Britain and Northern Ireland (UK); Whitcombe and Tombs, Ltd. (1910). 488p.
NEW ZEALAND;GEOTHERMAL FIELDS;HOT SPRINGS; GEOLOGY

1253 GEOLOGIC RECONNAISSANCE OF SOUTHEASTERN LUZON. Adams, G.I.; Pratt, W.E. Philipp. J. Sci.; 6: No. 6, Sec. A, 449-81(1911).
PHILIPPINES;HOT SPRINGS;MINERAL SPRINGS

1254 GEOLOGY OF NEW ZEALAND. Marshall, P. Wellington, N.Z.; New Zealand; J. Mackay, Government Printer (1912). 218p.
NEW ZEALAND;HOT SPRINGS;FUMAROLES;GEYSERS; GEOLOGY

1255 GEOLOGY OF THE AROHA SUBDIVISION,

HAURAKI, AUCKLAND. Henderson, J.; Bartrum, J.A. New Zealand Geological Survey, Bulletin 16, New Ser. Wellington, N.Z.; New Zealand; N.Z. Geol. Surv. (1913). 127p.
NEW ZEALAND;HOT SPRINGS;GEOLOGY;CHEMICAL COMPOSITION

1256 WATER SUPPLIES IN THE PHILIPPINE ISLANDS. Cox, A.J.; Heise, G.W.; Gana, V.Q. Philipp. J. Sci.; 9: No. 4, 273-410(1914).
PHILIPPINES;HOT SPRINGS;WATER RESOURCES

1257 VOYAGES AND TRAVELS IN VARIOUS PARTS OF THE WORLD DURING THE YEARS 1803, 1804, 1805, 1806, AND 1807. PARTS 1 AND 2. Von Langsdorff, G.H. London; United States of America (USA); H. Colburn (1814). 368p., 392p.
ALEUTIAN ISLANDS;USSR;HOT SPRINGS

1258 SALT INDUSTRY AND RESOURCES OF THE PHILIPPINE ISLANDS. Cox, A.J.; Dar Juan, T. Philipp. J. Sci.; 10: No. 6, 375-401(1915).
PHILIPPINES;HOT SPRINGS;BY-PRODUCTS;SALTS

1259 PHILIPPINE WATER SUPPLIES. Heise, G.W.; Behrman, A.S. Philippine Dept. Agr. Nat. Res., Bur. Sci. Pub. 11. Philippines; Phillippine Dept. Agr. Nat. Res., Bur. Sci. (1918). 218p.
PHILIPPINES;HOT SPRINGS;MINERAL SPRINGS

1260 WEIRD REGION: NEW ZEALAND LAKES, TERRACES, GEYSERS, AND VOLCANOES, WITH AN ACCOUNT OF THE ERUPTION OF TARAWERA. Leys, T.W. Auckland; New Zealand; Inst. Mus. Rec. (1923). 55p.
NEW ZEALAND;VOLCANOES;VOLCANIC REGIONS; GEOLOGY;GEYSERS;LAKES

1261 GEYSERS OF NEW ZEALAND AND THEIR DEPOSITS. Hovey, E.O. Am. Mineral.; 9: 95(1924).
NEW ZEALAND;HOT SPRINGS;GEYSERS;GEOLOGY; GEOLOGIC DEPOSITS

1262 (UCRL-Trans--10842) REGION 50°-51° N LAT./48°-49° E LONG. FROM PULKOVO. Gornostaev, N.N. Translated from Izv. Sib. Otd. Geol. Kom.; 5: No. 2, 1-45(1925). 89p. Dep. NTIS $7.50.
GEOLOGICAL SURVEYS;USSR;TECTONICS;PETROLOGY; MINERALS;ROCKS;GEOLOGIC STRUCTURES

1263 MINERALS AND MINERAL SUBSTANCES OF NEW ZEALAND. Morgan, P.G. N.Z. Dept. Sci. Indust. Res., Geol. Surv. Br., Bull. 32, New Ser. Wellington, N.Z.; New Zealand; New Zealand Dept. Sci. Indust. Res., Geol. Surv. Br. (1927). 110p.
NEW ZEALAND;HOT SPRINGS;MINERALS

1264 ROTORUA DISTRICT. Grange, L.I. pp 14-15 of New Zealand Department of Scientific and Industrial Research, Geological Survey Branch, 21st Annual Report, New Ser. Wellington, N.Z.; N.Z. Dept. Sci. Indust. Res., Geol. Surv. Br. (1927).
NEW ZEALAND;HOT SPRINGS;FUMAROLES;GEYSERS

1265 ZEOLITES FROM RITTER HOT SPRING, GRANT COUNTY, OREGON. Hewett, D.F.; Shannon, E.V.; Gonyer, F.A. Proc. US Natl. Mus.; 73: No. 16, 18p.(1928).
OREGON;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;BASALT; ZEOLITES;ABUNDANCE;GEOLOGIC FISSURES;MINERALS; DEPOSITION;CALCITE

1266 GEOLOGY OF THE WAIAPU SUBDIVISION, RAUKUMARA DIVISION. Ongley, M.; MacPherson, E.O. N.Z. Dep. Sci. Indust. Res., Geol. Surv. Br., Bull. 30, New Ser. Wellington, N.Z.; New Zealand; New Zealand Dept. Sci. Indust. Res., Geol. Surv. Br. (1928). 79p.
NEW ZEALAND;HOT SPRINGS;GEOLOGY

1267 STUDY OF THERMAL SPRINGS IN THE PHILIPPINES. Feliciano, J.M. pp 804-11 of 3rd Pan-Pacific Science Congress, Tokyo, 1926, Proceedings, Volume 1. Tokyo; Pan-Pacific Sci. Cong. (1928).
PHILIPPINES;HOT SPRINGS;MAPS

1268 THERMAL ACTIVITY IN REYKJANES, ICELAND. Thorkelsson, T. Visindafelag Islendinga, Rit 3; 52(1928). (In English).
ICELAND;HOT SPRINGS;GEOTHERMAL FLUIDS;RADIUM; ABUNDANCE;CHEMICAL COMPOSITION;GEOLOGIC FAULTS; NITROGEN;OXYGEN;HYDROGEN SULFIDES;CARBON DIOXIDE

1269 SPAS AND WATERS OF HUNGARY. Dalmady, Z.V. (ed.). Budapest; Hungary; Hungarian Balneol. Soc. (1929). 159p.
HUNGARY;HOT SPRINGS;MINERAL SPRINGS

1270 MERCURY DEPOSIT IN COSO RANGE, INYO COUNTY, CALIFORNIA. Warner, T. pp 58-63 of California Division of Mines, 26tn Report of State Mineralogist. Sacramento; Calif. Div. Mines (1930).
THERMAL WATERS;FUMAROLES;CALIFORNIA;MERCURY; ABUNDANCE;IMPURITIES

1271 THERMAL SPRINGS OF THE MIDDLE AND EASTERN TIAN-SHAN MATERIALS OF GEOLOGY AND GEOCHEMISTRY OF THE TIAN-SHAN. Prokopenko, N.M. Akad. Wiss. Leningrad, Materialy Kom. Exped. Unters.; 30: 3-108(1930).
USSR;HOT SPRINGS;MINERAL SPRINGS;GEOLOGY; TECTONICS;ORIGIN;EXPLOITATION;MAPS;CHEMICAL COMPOSITION

1272 SOME ADDITIONAL NOTES ON THERMAL ACTIVITY IN ICELAND. Thorkelsson, T. Visindafelag Islendinga; RIT 5: 1-31(1930).
Analyses of gases, temperature measurements, and activity of hot springs. ICELAND;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION; GEOTHERMAL FLUIDS;GEYSERS;FLOW RATE;TEMPERATURE MEASUREMENT;HEAT TRANSFER

1273 GEOLOGICAL STUDIES OF THE BORACIFEROUS REGION. Ginori Conti, P. Soc. Geol. Italiana Mem.; 1: 12p.(1933).
ITALY;HOT SPRINGS;GEOTHERMAL FIELDS;GEOLOGY

1274 ALKALI TRACHYTE OF SOLFATARA AND ITS ALTERATION BY FUMAROLE GASES. Rittmann, A. Schweiz. Mineral. Petrogr. Mitt.; Pub. 14: No. 1, 1-21(1934). (In German).
ITALY;FUMAROLES;SOLFATARAS;VOLCANOES;IGNEOUS ROCKS;CHEMICAL REACTIONS;HYDROTHERMAL ALTERATION;FUMAROLIC FLUIDS

1275 FUMAROLES OF LARDERELLO. Zuculin, B. Rev. Geog. Am., An. 2; 2: No. 13, 298-

302(1934).
LARDERELLO GEOTHERMAL FIELD;FUMAROLES;ITALY; VOLCANIC REGIONS

1276 GEOLOGY OF VITI LEVU, FIJI. Ladd, H.S. Bulletin 119. Unknown; Bernice P. Bishop Mus. (1934). 263p.
FIJI;HOT SPRINGS;GEOLOGY

1277 AKUTAN VOLCANO. Finch, R.H. Z. Vulkanol.; 6: No. 3, 155-60(1935).
ALEUTIAN ISLANDS;VOLCANOES;HOT SPRINGS; FUMAROLES

1278 GEOLOGIC RESULTS OF NEW DEEP DRILLING IN AUSSIG (BOHEMIA). Muller, B. Firgenwald; 9: No. 4, 129-59(1936).
CZECHOSLOVAKIA;THERMAL WATERS;GEOTHERMAL EXPLORATION;BOREHOLES;GEOLOGY;STRATIGRAPHY; DRILLING

1279 ORIGIN OF SALTON VOLCANIC DOMES, SALTON SEA, CALIFORNIA. Kelly, V.C.; Soske, J.L. J. Geol.; 44: No. 4, 496-509(1936).
Dry ice manufacture. SALTON SEA;CALIFORNIA; VOLCANOES;GEOLOGIC FAULTS;FUMAROLES;CARBON DIOXIDE;USES;FUMAROLIC FLUIDS

1280 REPORT ON THE PRESENT STATE OF OUR KNOWLEDGE WITH RESPECT TO MINERAL AND THERMAL WATERS. Daubeny, C.G.B. pp 1-95 of British Association of Advanced Sciences, 6th Meeting, 1836, Report. Brit. Assoc. Adv. Sci. (1837).
HOT SPRINGS;AUSTRIA;UNITED KINGDOM; CZECHOSLOVAKIA;FRANCE;GERMAN FEDERAL REPUBLIC; HUNGARY;ITALY;PORTUGAL;SPAIN;SWITZERLAND; YUGOSLAVIA;GREECE;ICELAND;TURKEY

1281 TECTONIC AND HYDROLOGIC RELATIONS OF THE BALATONFURED-ASZOFO REGION WITH SPECIAL CONSIDERATION OF THE RELEASE OF CARBON DIOXIDE GAS AND ACID WATER. Loczy, L. Jahrb. Koniglichen Ungarischen Geol. Anstalt Mitt.; 1929-32: 71-158(1937).
HUNGARY;MINERAL SPRINGS;TECTONICS;GEOLOGY; HYDROLOGY;CARBON DIOXIDE;PH VALUE

1282 GEOLOGY OF THE ROTORUA - TAUPO SUBDIVISION, ROTORUA AND KAIMANAWA DIVISIONS. Grange, L.I. N.Z. Dep. Sci. Indust. Res., Geol. Surv. Br., Bull. 37, New Ser. Wellington, N.Z.; New Zealand; N.Z. Dept. Sci. Indust. Res., Geol. Surv. Branch (1937). 138p.
NEW ZEALAND;HOT SPRINGS;FUMAROLES;GEOLOGY

1283 EVOLUTION AND DIFFERENTIATION OF THE MOUNT VESUVIUS LAVA ACCORDING TO THE RITTMANN INTERPRETATION OF THEIR EFFECTS ON THE GEOLOGY OF THE CAMPI FLEGREI-PESTO REGION. Penta, F. Boll. Soc. Nat. Napoli; 49: 9-42(1938).
ITALY;VOLCANOES;GEOLOGY;LAVA;GEOTHERMAL FIELDS

1284 RENEWED ACTIVITY OF THE LARGE GEYSER IN HAUKADALUR. Tuxen, S.L. Visindafelag Islendinga; Rit 23: 25(1938).
ICELAND;GEYSERS

1285 HYDROTHERMAL MANIFESTATIONS OF CASTELDORIA (NORTHERN SARDINIA). Moretti, A. R. Ufficio Geol. Italia Boll.; 63: No. 3, 14(1938).
ITALY;HOT SPRINGS;TECTONICS;GEOCHEMISTRY; ORIGIN;THERMAL WATERS;VOLCANOES

1286 AQUA QUENTE DE ITABIRITO, MINAS GERAIS. Min. Met.; 2: No. 12, 388-9(1938).
BRAZIL;HOT SPRINGS;ORIGIN

1287 BEPPU HOT SPRINGS AND THE TIDE, WITH THE EFFECT OF THE ATMOSPHERIC PRESSURE. Nomitu, T.; Seno, K. Kyoto Univ. Coll. Sci. Mem.; 22: No. 6, Ser. A, 403-428(1939).
JAPAN;HOT SPRINGS;FLOW RATE;TIDE;EARTH ATMOSPHERE;PRESSURE DEPENDENCE;VARIATIONS; CORRELATIONS

1288 SPRINGS IN BULGARIA. Bonchev, G. Bulgaria Acad. Sci. Trans.; 59: No. 30, 85-132(1939).
BULGARIA;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

1289 THERMAL-MINERAL SPRINGS OF VENEZUELA. SPRINGS IN AGUA CALIENTE, JACHIRA. Otero, A.G.; Prado, J.L.; Gimenes, C.N. Minist. Fomento, Rev. Fomento; 2: No. 14, 117-128(1939).
VENEZUELA;HOT SPRINGS;ORIGIN;THERMAL WATERS; CHEMICAL COMPOSITION;MINERAL SPRINGS

1290 ROTORUA THERMAL WATER. Henderson, J. pp 13-14 of 33rd Annual Report of New Zealand Department of Scientific and Industrial Research, Geological Survey Branch. Wellington, N.Z.; N.Z. Dept. Sci. Indus. Res., Geol. Surv. Br. (1939).
NEW ZEALAND;THERMAL WATERS;GROUND WATER;FLOW RATE

1291 ADDITIONAL EVIDENCE ON THE RELATION OF TEMPERATURE TO STRUCTURE IN THE SALT CREEK OIL FIELD, NATRONA COUNTY, WYOMING. Van Orstrand, C.E. Geophysics; 5: No. 1, 47-56(1940).
BOREHOLES;TEMPERATURE DISTRIBUTION;WYOMING; TEMPERATURE MEASUREMENT;GEOPHYSICAL SURVEYS; GEOLOGY

1292 RAINFALL AND JUVENILE WATER AS THE FEEDING ORIGINS OF THE HOT SPRINGS IN BEPPU. Nomitu, T.; Seno, K. Kyoto Univ. Coll. Sci. Mem.; 23: No. 3, Ser. A, 41-74(1940).
JAPAN;HOT SPRINGS;ORIGIN;THERMAL WATERS;FLOW RATE;RAIN

1293 CORRELATION BETWEEN THE RATE OF DISCHARGE AND THE PRESSURE HEAD IN THE BEPPU HOT SPRINGS, THE STRATIFIED TYPE. Nomitu, T.; Seno, K.; Yamasita, K. Kyoto Univ. Coll. Sci. Mem.; 23: No. 3, Ser. A, 75-95(1940).
JAPAN;HOT SPRINGS;FLOW RATE;PRESSURE DEPENDENCE;GEOLOGIC STRATA

1294 DISTRIBUTION OF THE SUBTERRANEAN TEMPERATURE AND THE HOT SPRING VEINS IN THE OLD CITY OF BEPPU. Nomitu, T.; Yamasita, K. Kyoto Univ. Coll. Sci. Mem.; 23: No. 3, Ser. A, 97-122(1940).
JAPAN;HOT SPRINGS;ORIGIN;UNDERGROUND; TEMPERATURE DISTRIBUTION

1295 DISTRIBUTION OF CERTAIN GEOPHYSICAL ELEMENTS IN THE HOT SPRINGS DISTRICT OF BEPPU. Seno, K. Japanese Jour. Astron. Geophys.; 17: No. 2, 265-294(1940).
JAPAN;HOT SPRINGS;FLOW RATE;PRESSURE DEPENDENCE;GEOGRAPHY;RAIN;TIDE;TEMPERATURE

DISTRIBUTION;VARIATIONS

1296 HOT SPRINGS WEST OF TORFAJOKULL IN ICELAND. Celeda, J.; Kroha, R. Ceska Akad., Trida 2, Rozpravy; 49: No. 10, 22(1940).
Occurrence, erosive activity, and chemical composition. ICELAND;HOT SPRINGS;GEOCHEMISTRY; THERMAL WATERS;CHEMICAL COMPOSITION

1297 GEYSERS AND GEYSER THEORIES. Barth, T.F.W. Naturen Arg.; 65: No. 7-8, 193-209(1941).
ICELAND;GEYSERS;HYPOTHESIS;GEOPHYSICS

1298 UNDERGROUND WATER IN NEW ZEALAND. Henderson, J. New Zealand J. Sci. Tech.; 23: No. 3, Sec. B, 97B-112B(1941).
NEW ZEALAND;GROUND WATER;HOT SPRINGS

1299 CHARACTER OF HOT SPRINGS OF ICELAND WITH A REVIEW OF THE TECTONICS OF MIDDLE NORTH ICELAND. Einarsson, T. Iceland; Visindafelag Islendinga, Rit 26 (1942). 91p.
ICELAND;HOT SPRINGS;TECTONICS;HYDROLOGY; GEYSERS;VOLCANOES;GEOPHYSICAL SURVEYS

1300 MINERAL SPRINGS OF IXTAPAN. Mancera, O. Ciencia (Mexico); 4: No. 2-3, 70-71(1943).
MEXICO;HOT SPRINGS;MINERAL SPRINGS

1301 GEOLOGIC CONSIDERATION OF THE ABNORMAL TEMPERATURE DISTRIBUTION IN THE HOT SPRINGS AT ATAMI, SHIZUOKA-KEN, JAPAN. Otuka, Y. Tokyo Daigaku Jishin Kenkyusho Iho; 21: No. 3-4, 414-434(1943).
JAPAN;HOT SPRINGS;GEOLOGY;GEOLOGIC FAULTS; TEMPERATURE DISTRIBUTION;HYDROTHERMAL ALTERATION;VOLCANIC ROCKS;MINERALS;VOLCANOES

1302 NOTES ON THE GEOLOGY OF WHAKATANE DISTRICT AND WHALE ISLAND. MacPherson, E.O. N.Z. J. Sci. Tech.; 26: No. 2, Sec. B, 66-76(1944).
NEW ZEALAND;HOT SPRINGS;GEOLOGY

1303 HOT SPRINGS OF ICELAND, THEIR ANIMAL COMMUNITIES, AND THEIR ZOOGEOGRAPHICAL SIGNIFICANCE (IN THE ZOOLOGY OF ICELAND). Tuxen, S.L. Akad. Afh.; 1, Pt. 2: 216p.(1944).
ICELAND;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

1304 KAOLINITE DIASPORE-BEARING AGALMATOLITES IN THE ALTAI. Nakovnik, N.I. Soc. russe Miner. Mem.; 73: No. 1, 48-55(1944). (In Russian with English summary).
USSR;METAMORPHIC ROCKS;HYDROTHERMAL ALTERATION;GEOLOGY;QUARTZITES

1305 LHASA SHEET. Map No. H-46. Washington, DC; United States of America (USA); US Army Map Service, Corp. Engrs., War Dept. (1945).
TIBET;HOT SPRINGS;MAPS

1306 PRELIMINARY GEOPHYSICAL SURVEY OF PART (WEST AND SOUTHWEST) OF THE WHAKATANE DISTRICT. Modriniak, N. N. Z. J. Sci.; 26B: No. 6, 327-31(1945).
NEW ZEALAND;GEOPHYSICAL SURVEYS;SEISMIC SURVEYS;DATA;MAGNETIC SURVEYS;BOREHOLES

1307 TE PUIA HOT SPRINGS. MacPherson, E.O. N.Z. J. Sci. Tech.; 26: No. 5, Sec. B, 244-54(1945).
NEW ZEALAND;HOT SPRINGS;GEOLOGY;GRAYWACKE; CLAYS;STRATIGRAPHY;NATURAL STEAM

1308 HYDROTHERMAL ACTIVITY AT NGAWHA, NORTH AUCKLAND. Fleming, C.A. New Zealand Jour. Sci. Tech.; 26: No. 5, 255-276(1945).
NEW ZEALAND;HYDROTHERMAL SYSTEMS;VOLCANIC REGIONS;GEOTHERMAL EXPLORATION;EXPLOITATION;HOT SPRINGS;MINERAL SPRINGS;GROUND WATER

1309 HOT SPRINGS ON ICELAND AND THEIR USE: IMPRESSIONS OF TRAVEL. Petersson, S.G. Geol. Foeren. Stockh. Foerh.; 68: No. 3, 405-412(1946).
Special reference to Reykjavik region. ICELAND;HOT SPRINGS;THERMAL WATERS;USES

1310 AQUEOUS EMANATION FROM PARICUTIN VOLCANO. Foshag, W.F. Geol. Soc. Am., Bull.; 58: 1180(1947).
VOLCANOES;WATER VAPOR;FLOW RATE;MEXICO;LAVA; VOLCANIC ROCKS;HYDROTHERMAL ALTERATION

1311 TSANGPO SHEET. Map No. H-45. Washington, DC; United States of America (USA); US Army Map Service, Corp. Engrs., War Dept. (1947).
TIBET;HOT SPRINGS;MAPS

1312 GEYSERS OF ICELAND. Barth, T.F.W. Trans. Am. Geophys. Union; 28: No. 6, 882-7(1947).
ICELAND;GEYSERS;MAPS

1313 PHYSIC-GEOGRAPHIC SKETCH OF ICELAND WITH SPECIAL CONSIDERATION OF VOLCANIC PHENOMENA. Von Waltershausen, W.S. Ruprecht (reprint). Guttingen, Germany; German, Federal Republic of (F.R. Germany); Vandenhoeck (1847).
ICELAND;HOT SPRINGS;VOLCANOES;GEOLOGY

1314 WONDERS OF GEOLOGY OR, A FAMILIAR EXPOSITION OF GEOLOGICAL PHENOMENA. VOLUME 1-2. Mantell, G.A. London; United Kingdom of Great Britain and Northern Ireland (UK); Bahn (1848). 481p., 457p.
NEW ZEALAND;THERMAL WATERS;SILICON

1315 OUTLINE OF THE GEOLOGY OF NEW ZEALAND, BY OFFICERS OF THE GEOLOGICAL SURVEY. Ongley, M. Wellington, N.Z.; New Zealand; Harry H. Tooms (1948). 47p.
NEW ZEALAND;HOT SPRINGS;VOLCANOES;GEOLOGY; MAPS

1316 UNDERGROUND WATERS IN BULGARIA. Angheloff, B. 1939, Compt. Rend., Volume 2, Rpt. Inv. 14. Washington, DC; United States of America (USA); Int. Union Geog., Geophys., Assoc. Int. Hydrol. Sci. (1948). 5p.
BULGARIA;HOT SPRINGS;MEDIUM TEMPERATURE;FLOW RATE

1317 STEAM VENTS OF TUSCANY AND THE LARDERELLO PLANT. VOLUME 1. Mazzoni, A.; Calderini, S. (ed.). 1st and 2nd Editions. Bologna, Italy; Italy; Anonimia Arti Graficne (1948). (In Italian).
LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM;

CHEMICAL COMPOSITION;GEOTHERMAL POWER PLANTS

1318 HOT SPRINGS OF ICELAND AND THEIR IMPORTANCE IN CONNECTION WITH SUPPLY OF ELECTRICITY. Bodvarsson, G.; Jonsson, S.; Gislason, J. Elektroteknikeren; 44: No. 13, 434-62(7 Jul 1948).
ICELAND;HOT SPRINGS;GEOTHERMAL ENERGY; ELECTRIC POWER

1319 ORIGIN OF THE EPITHERMAL MINERAL DEPOSIT. Schmitt, H. Econ. Geol.; 44: No. 7, 641(1949).
FUMAROLES;HOT SPRINGS;GEOLOGIC DEPOSITS; MINERALS;ORIGIN

1320 VOLCANIC ACTIVITY ON UMNAK AND GREAT SITKIN ISLANDS, 1946-48. Byers, F.M., Jr.; Brannock, W.W. Trans. Am. Geophys. Union; 30: No. 5, 719-734(1949).
ALEUTIAN ISLANDS;HOT SPRINGS;FUMAROLES

1321 PRESENCE OF FREE SULFURIC ACID IN THE MINERALS OF POZZUOLI SOLFATARA. Pannain, E. Soc. Natural. Napoli Boll.; 58: 41-3(1950).
ITALY;SOLFATARAS;CHEMICAL REACTIONS; GEOCHEMISTRY;FUMAROLES;SUPERHEATING;OXYGEN; WATER VAPOR;SULFUR;SULFURIC ACID;ABUNDANCE

1322 ABNORMAL DISTRIBUTION OF HEAT IN THE DNIEPER--DONETS BASIN. Belyakov, M.F. Dokl. Akad. Nauk SSSR; 77: No. 2, 325-7(1951).
USSR;GEOTHERMAL GRADIENTS;HEAT FLOW; VARIATIONS

1323 GEOLOGIC AND GEOPHYSICAL INVESTIGATIONS OF THE HENGILL THERMAL AREA, ICELAND. Einarsson, T. Verkfraedingafelags Islands Timarit; 36: No. 3-4, 49-82(1951).
ICELAND;GEOTHERMAL FIELDS;GEOLOGY; GEOPHYSICAL SURVEYS;THERMAL WATERS;ROCKS; RADIOACTIVITY;PETROLOGY;DRILL CORES;NATURAL STEAM;HOT SPRINGS;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS

1324 THERMAL SPRINGS OF MONTECATINI. Giani, E. Rev. Catasto Serv. Techn. Erariali; 6, New Ser.: No. 1, 33-51(1951).
ITALY;HOT SPRINGS;GEOLOGY;ORIGIN;FLOW RATE

1325 PROPOSAL TO CLASSIFY GENETICALLY THE THERMAL ITALIAN SPRINGS. Gortani, M. Trans. Int. Union Geod. Geophys., Assoc. Int. Hydrol. Sci., Oslo, 1948; 3: 145-53(1951).
ITALY;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;MEDICINE;GEOLOGY;SALINITY;SULFUR; ABUNDANCE;ORIGIN;MAGMA;PHYSICAL PROPERTIES

1326 REPORT ON THE HENGILL THERMAL AREA. INVESTIGATIONS CARRIED OUT IN THE YEARS 1947-49. Bodvarsson, G. Verkfraedingafelags Islands Timarit; Arg. 36: No. 1-2, Sec. 1, 1-48(1951). (English summary).
ICELAND;GEOTHERMAL FIELDS;GEOLOGY;THERMAL WATERS;NATURAL STEAM;METEORIC WATER;ARTESIAN BASINS;BASALT;GEOPHYSICAL SURVEYS

1327 AQUAS SANTAS HOT SPRING, TIRADENTES, MINAS GERAIS. Rolff, P.A.M.D.A. Escola Minas, Auro Preto, Rev. Ano.; 17: No. 5, 11-16(1952).
BRAZIL;HOT SPRINGS;CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT;METAMORPHIC ROCKS; GEOLOGY

1328 PECHELBRONN ANOMALIES. Claude, G. Genie Civil; T.129: No. 13, 252-253(1952).
FRANCE;THERMAL WATERS;GROUND WATER;PHASE TRANSFORMATIONS;BOREHOLES;DRILLING;NATURAL STEAM

1329 NEW ZEALAND GUIDE. Dollimore, E.S. (comp.). Dunedin, N.Z.; New Zealand; Wise (1952). 926p.
NEW ZEALAND;HOT SPRINGS;GEYSERS;GEOLOGY

1330 APPLICATIONS OF NATURAL STEAM IN ITALY. Combustion; 23: No. 11, 53(May 1952).
ITALY;NATURAL STEAM;GEOLOGIC FISSURES;USES; GEOTHERMAL WELLS

1331 HYDROTHERMAL ROCK ALTERATION AT WAIRAKEI, NEW ZEALAND. Steiner, A. Econ. Geol.; 48: No. 1, 1-13(1953).
WAIRAKEI GEOTHERMAL FIELD;HYDROTHERMAL ALTERATION;DRILL CORES;PETROLOGY;ZONES;TUFF; SEDIMENTARY ROCKS;ROCKS;DEPTH;SULFURIC ACID; GEOLOGY

1332 IDENTIFICATION OF ARAGONITE IN THE INCRUSTATIONS ORIGINATING IN DEEP GROUND WATER. Sersale, R. Boll. Soc. Nat. Napoli; 61: 55-8(1953).
ITALY;HOT SPRINGS;GEOLOGIC DEPOSITS;CALCIUM CARBONATES;ARAGONITE

1333 ORIGIN OF THERMAL AND MINERAL WATERS IN THE MIDDLE ZAMBEZI VALLEY AND ADJOINING TERRITORY. Bond, G.W. Geol. Soc. South Africa Trans.; 56: 131-148(1953).
SOUTHERN RHODESIA;BOREHOLES;GEOTHERMAL GRADIENTS;ROCKS;HOT SPRINGS;MINERAL SPRINGS; METEORIC WATER;ORIGIN;ARTESIAN BASINS;GEOLOGIC FAULTS;STRATIGRAPHY

1334 ON SOME FUMAROLIC AND SOLFATARIC MANIFESTATIONS IN EL SALVADOR, CENTRAL AMERICA. Perozzi, A. Ann. Geophys.; 6: No. 3, 389-403(1953).
EL SALVADOR;FUMAROLES;SOLFATARAS;NATURAL STEAM;TEMPERATURE MEASUREMENT

1335 THERMAL REGIME OF UNDERGROUND WATER. Goguel, J. Ann. Mines; 10: 32(1953).
LARDERELLO GEOTHERMAL FIELD;THERMAL WATERS; FLUID FLOW;UNDERGROUND;THERMODYNAMIC PROPERTIES; GEYSERS;PERFORMANCE;GEOLOGY

1336 POSSIBILITIES OFFERED IN THE TERRITORY OF THE REPUBLIC OF EL SALVADOR IN CENTRAL AMERICA IN THE FIELD OF 'ENDOGENOUS FORCES'. Penta, F. Ann. Geofys.; 6: No. 3, 309-14(1953).
EL SALVADOR;FUMAROLES;SOLFATARAS;VOLCANIC REGIONS;FUMAROLIC FLUIDS

1337 FURNAS OF THE AZORES. De Morais, J.C. Univ. Coimbra Mus. Mineral. Geol., Mem. Not.; No. 35, 48-75(1953).
Boiling springs. HOT SPRINGS;CHEMICAL COMPOSITION;TEMPERATURE DISTRIBUTION;DATA; GEYSERS;THERMAL WATERS;AZORES ISLANDS;PORTUGAL

1338 EXPLANATION ON THE GEOLOGICAL ATLAS OF ICELAND. Von Waltershausen, W.S. Gottingen, Germany; German, Federal Republic of (F.R. Germany); Dieterischen Buchhandl. (1853).

59p.
ICELAND;GEYSERS;HOT SPRINGS;GEOLOGY;WATER; SEDIMENTS;CHEMICAL COMPOSITION;TUFF;GEOPHYSICAL SURVEYS

1339 CATALOGUE OF ACTIVE VOLCANOES OF THE WORLD INCLUDING SOLFATARA FIELDS, PHILIPPINE ISLAND AND COCHIN, CHINA. Neumann van Padang, M. Unknown; Int. Volcanol. Assoc. (1953). 49p.
PHILIPPINES;SOUTH VIETNAM;HOT SPRINGS; VOLCANOES;SOLFATARAS

1340 VOLCANIC ACTIVITY ON AKUN AND AKUTAN ISLANDS. Byers, F.M., Jr.; Barth, T.F.W. pp 382-97 of Proceedings of 7th Congress of the Pacific Science Association, New Zealand, 1949, Volume 2. Wellington, N.Z.; Pacific Sci. Assoc. (1953).
ALEUTIAN ISLANDS;VOLCANOES;HOT SPRINGS; FUMAROLES;THERMAL WATERS;CHEMICAL ANALYSIS

1341 GEOTHERMAL ENERGY. Hamilton, W.M. Cawthorn Lecture Series No. 27. New Zealand; New Zealand Geog. Soc. (1954). 28p.
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; GEOLOGICAL SURVEYS;BOREHOLES;GEOTHERMAL ENERGY; GEOTHERMAL FIELDS

1342 VIOLENT MUD VOLCANO ERUPTION OF LAKE CITY HOT SPRINGS, MODOC COUNTY, CALIFORNIA. White, D.E. Trans. Am. Geophys. Union; 35: 379(1954).
CALIFORNIA;HOT SPRINGS;VOLCANOES;GEOTHERMAL ENERGY;ROCKS;SEDIMENTS;HYDROTHERMAL SYSTEMS

1343 MINERALOGY OF THE PHLEGRAEAN PLAIN. Parascandola, A. Boll. Soc. Geol. Ital.; 70: No. 3, 527-32(1954).
Pickeringite. ITALY;FUMAROLES;HYDROTHERMAL SYSTEMS;MINERALS;CHEMICAL COMPOSITION; MINERALOGY

1344 ANGRY MOUNTAINS, NEW ZEALAND'S VOLCANIC BELT. Shaw, G.C. Pacific Discovery; 7: No. 4, 13-18(1954).
NEW ZEALAND;VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS

1345 STUDIES ON GEYSERS AT ONIKOBE. Nomura, Y. Tohoku Univ. Tech. Rpt.; 19: No. 1, 45-62(1954).
JAPAN;GEYSERS;VARIATIONS;TEMPERATURE MEASUREMENT

1346 GOSHOGAKE GEOTHERMAL REGION IN AKITA PREFECTURE. Nakamura, H.; Ando, T. Japan Geol. Surv. Bull.; 5: No. 9, 443-448(1954).
JAPAN;VOLCANIC REGIONS;GEOTHERMAL FIELDS; FUMAROLES;HYDROTHERMAL ALTERATION;VOLCANIC ROCKS;NATURAL STEAM

1347 RELATION BETWEEN ALTERED ZONES AND FUMAROLES AND HOT SPRINGS IN THE OTAKE THERMAL REGION, OITA PREFECTURE. Nakamura, H.; Ando, T. Japan Geol. Surv. Bull.; 5: No. 8, 373-380(1954).
HOT SPRINGS;FUMAROLES;HYDROTHERMAL ALTERATION;GROUND WATER;OTAKE GEOTHERMAL FIELD; DEPTH

1348 SURVEY OF THE GEOLOGY OF PUERTO RICO. Mitchell, R.C. Univ. Puerto Rico Agric. Exper. Sta., Tech. Paper 13. Puerto Rico; Univ. Puerto Rico Agric. Exper. Sta. (1954). 167p.
PUERTO RICO;GEOLOGY;SOILS;MINERAL RESOURCES; GROUND WATER;HOT SPRINGS;ORES;CLAYS;LIMESTONE; EXPLOITATION

1349 INVESTIGATION OF THE KAMCHATKA VOLCANOES. Zavaritskiy, A.N.; Piyp, B.I.; Gorshkov, G.S. Tr. Akad. Nauk SSSR, Lab. Vulkanol.; 8: 17-57(1954).
USSR;VOLCANOES;VOLCANIC REGIONS;HOT SPRINGS; GEYSERS;MINERAL SPRINGS

1350 BRITISH COMMONWEALTH (IN HOLMES, A., AND WILLETT, R.W., REPORT ON BRITISH VOLCANALOGICAL RESEARCH DURING THE PERIOD SEP 1939-MAR 1954). Willett, R.W. Bull. Volcanol.; 16, Ser. 2: 135-42(1955).
WAIRAKEI GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;NEW ZEALAND;VOLCANOES;BIBLIOGRAPHIES

1351 AKINOMIYA--MINASE THERMAL AREA, AKITA PREFECTURE. Nakamura, H.; Suzuki, T.; Maeda, K. Chishitsu Chosasho Geppo; 6: No. 11, 627-38(1955). (In Japanese with English summary).
VOLCANIC ROCKS;FUMAROLES;HOT SPRINGS;THERMAL WATERS;JAPAN;HYDROTHERMAL SYSTEMS;GEOCHEMISTRY; GROUND WATER;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT

1352 OCCURRENCE OF HOT SPRINGS AND THE PYROPHYLLITE DEPOSITS AT SHIMA, GUMMA PREFECTURE. Nakamura, H.; Ueno, M. Chishitsu Chosasho Geppo; 6: No. 6, 351-8(1955). (In Japanese with English summary).
JAPAN;HOT SPRINGS;GEOLOGIC FISSURES;QUARTZ; GEOLOGIC DEPOSITS;FLUID FLOW

1353 MINERAL SPRINGS OF THE BREMBO VALLEY. Micheletti, T. Ind. Miner. (St.-Etienne, Fr.) ; 6: No. 4, 185-7(1955).
HOT SPRINGS;GEOLOGY;ITALY;GEOLOGIC FISSURES

1354 CONTAMINATION WITH SEA WATER AND THE FORMATION OF DEPOSITS INSIDE THE CONDUIT PIPE AT SHIRAHAMA THERMAL SPRINGS, WAKAYAMA PREFECTURE, JAPAN. Kikkawa, K. Bull. Int. Assoc. Sci. Hydrol.; 2: No. 37, 179-87(1955). From International Association Science Hydrology, General Assembly; Rome, Italy (1954).
JAPAN;HOT SPRINGS;POLLUTION;SEAWATER; CHEMICAL COMPOSITION;PIPELINES;SCALING

1355 GEOLOGY AND GEOPHYSICS. Beck, A.C.; Robertson, E.I. pp 15-19 (Chap. 2) of Geothermal steam for power in New Zealand. Grange, L.I. New Zealand; New Zealand Dept. Sci. Indust. Res. (1955).
WAIRAKEI GEOTHERMAL FIELD;GEOLOGY; GEOPHYSICAL SURVEYS;VOLCANIC ROCKS;VOLCANOES; GEOLOGIC FAULTS;GRAVITY SURVEYS;MAGNETIC SURVEYS;SEISMIC SURVEYS

1356 PHYSICAL INVESTIGATIONS. Banwell, C.J. pp 45-74 (Chap. 6) of Geothermal steam for power in New Zealand (N.Z. Dept. Sci. Indust. Res., Bull. 117). Grange, L.I. (ed.). New Zealand; N.Z. Dept. Sci. Indust. Res. (1955).
NEW ZEALAND;BOREHOLES;HOT SPRINGS;FUMAROLES; RADON;STEAM MUFFLERS;HEAT FLOW;TEMPERATURE MEASUREMENT;FLUID FLOW;GEOPHYSICAL SURVEYS; GEOTHERMAL WELLS;GEOTHERMAL FIELDS;HEAT TRANSFER

1357 BORON-CONTAINING FUMAROLES OF TUSCANY. Echo Mines Met.; No. 3479, 223-5(1955).
FUMAROLIC FLUIDS;HOT SPRINGS;GEOTHERMAL POWER PLANTS;BORIC ACID;VAPORS;FUMAROLES; NATURAL STEAM;ITALY;CHEMICAL COMPOSITION

1358 ORIGIN OF THERMAL WATERS BY CHAUDFONTAINE (VESDRE VALLEY). Fourmarier, P. Soc. Geol. Belgique Ann., Bull.; 78: No. 8-10, 491-510(1955).
BELGIUM;HOT SPRINGS;ORIGIN;VOLCANIC REGIONS

1359 SUBTERRANEAN HEAT IN NOYA DISTRICT, OITA PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 551-60(1955). (In Japanese with English summary).
JAPAN;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;HOT SPRINGS;NATURAL STEAM;BOREHOLES; GEOPHYSICAL SURVEYS;LAVA;VOLCANIC REGIONS

1360 SUBTERRANEAN HEAT IN KIRISHIMA DISTRICT, KOGOSHIMA PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 579-604(1955). (In Japanese with English summary).
JAPAN;HOT SPRINGS;FUMAROLES;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES

1361 UNZEN FUMAROLE IN NAGASAKI PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 605-10(1955). (In Japanese with English summary).
JAPAN;FUMAROLES;FUMAROLIC FLUIDS;TEMPERATURE MEASUREMENT;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION;GEOPHYSICAL SURVEYS;VOLCANIC REGIONS; SILICON OXIDES;KAOLIN

1362 WAIRAKITE, THE CALCIUM ANALOGUE OF ANALCIME, A NEW ZEOLITE MINERAL. Steiner, A. Mineral. Mag.; 30: No. 230, 691-8(1955).
WAIRAKEI GEOTHERMAL FIELD;BOREHOLES;ZEOLITES; HYDROTHERMAL ALTERATION;NATURAL STEAM;PHYSICAL PROPERTIES;WAIRAKITE;GEOLOGY;MINERALOGY; FORMATION HEAT

1363 KAMCHAKA GEYSERS. Ustinova, T.I. Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Inst. Geog. (1955). 120p.
USSR;GEYSERS;HOT SPRINGS;GEOLOGY;HYDROLOGY

1364 SOME HEAT MEASUREMENTS IN WEST INDIAN SOUFRIERES. Robson, G.R.; Willmore, P.L. Bull. Volcanol.; 17, Ser. 2: 13-39(1955).
WEST INDIES;FUMAROLES;THERMAL WATERS; GEOTHERMAL RESOURCES;NATURAL STEAM;TEMPERATURE MEASUREMENT;MAGMA;HOT SPRINGS;GEOTHERMAL ENERGY

1365 FUMAROLES, SOLFATARAS, AND HOT SPRINGS IN NORTHWESTERN ARGENTINA AND THE POSSIBILITY OF THEIR INDUSTRIAL USE. Bartolucci, G. Ann. Geophys.; 9: No. 1, 31-42(1956).
FUMAROLES;HOT SPRINGS;VOLCANIC REGIONS; ARGENTINA;GEOTHERMAL RESOURCES;USES;INDUSTRY; SOLFATARAS

1366 EARTHQUAKES, VOLCANOES AND NATURAL STEAM DEPOSITS. Contini, C. Ann. Geofis. (Rome); 9: No. 4, 561-75(1956).
Energy developed by gliding along faults.
GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; EARTHQUAKES;SEISMIC WAVES;GEOLOGIC FAULTS; NATURAL STEAM;VOLCANOES;ITALY;GEOTHERMAL FIELDS; EQUATIONS;ENERGY YIELD

1367 APPLICATION OF ELECTRICAL PROSPECTING METHODS TO TECTONICS IN THE SEARCH FOR NATURAL STEAM AT LARDERELLO, ITALY. Breusse, J.J.; Matthiez, J.P. Soc. Exploration Geophys.; 2: 623-30(1956).
LARDERELLO GEOTHERMAL FIELD;ELECTRIC CONDUCTIVITY;GEOPHYSICAL SURVEYS;GEOLOGY; TECTONICS;ELECTRICAL SURVEYS;NATURAL STEAM

1368 EXPLANATORY TEXT OF THE GEOLOGICAL MAP OF JAPAN, SCALE 1: 50,000 KOKUBU (KAGOSHIMA - 82). Sawamura, K. Report No. 21. Tokyo; Japan; Japan Geol. Surv. (1956). (In Japanese with English summary).
JAPAN;GEOLOGICAL SURVEYS;VOLCANIC REGIONS; MAPS;TUFF;ECONOMICS;HOT SPRINGS;BUILDING MATERIALS;USES

1369 HOT SPRINGS OF THE KARYMSHCHINA VALLEY. Sirin, A.N.; Timerbayeva, K.M. Akad. Nauk SSSR, Lab. Vulkanol., Byull. Vulkanol. Sta.; No. 24, 47-51(1956).
USSR;HOT SPRINGS;GEOLOGY;TECTONICS;GEOLOGIC FISSURES;GEOLOGIC FAULTS

1370 ENGINEERING GEOLOGY OF THE HIME RIVER BASIN IN NIIGATA AND NAGANO PREFECTURES. Chishitsu Chosasho Geppo; 7: No. 7, 291-334(1956). (In Japanese with English summary).
GEOLOGICAL SURVEYS;JAPAN;HOT SPRINGS; FUMAROLES;STRATIGRAPHY;SHALES;ROCKS;LANDSLIDES

1371 RADIOACTIVITY OF VOLCANIC GASES IN JAPAN. Iwasaki, I. Bull. Volcanol.; 18, Ser. 2: 103-23(1956).
JAPAN;VOLCANIC REGIONS;FUMAROLES;HOT SPRINGS; GASES;RADIOACTIVITY;RADON;RADON 220; HYDROTHERMAL SYSTEMS;FUMAROLIC FLUIDS

1372 QUESTIONS ON THE ORIGIN OF THE THERMAL SPRINGS OF KAMCHATKA. Gonsovskaya, G.A. Lvov. Geol. Obshch. Geol. Sb.; 2-3: 109-13(1956).
USSR;THERMAL WATERS;HOT SPRINGS;ORIGIN; GROUND WATER;METEORIC WATER;VOLCANIC REGIONS; HYDROLOGY;GEOLOGY;CHEMICAL REACTIONS;FUMAROLIC FLUIDS

1373 PHYSICAL GEOGRAPHY OF ICELAND. Hannesson, P. Kerk. Islands Timarit; Arg. 41: No. 2, 27-31(1956).
ICELAND;HOT SPRINGS;VOLCANOES;GLACIERS; GEOGRAPHY;GEOLOGY;SHORES

1374 REPORT ON VOLCANOLOGY OF NEW ZEALAND. Healy, J. pp 27-30 of 8th Cong., Pacific Sci. Assoc., Quezon City, Philippines, 1953, Proc., Volume 2. Pacific Sci. Assoc. (1956).
NEW ZEALAND;VOLCANOES;WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS; GRAVITY SURVEYS;MAGNETIC SURVEYS;GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS;VOLCANIC REGIONS; AERIAL MONITORING;GEOTHERMAL ENERGY;WAIOTAPU GEOTHERMAL FIELD

1375 APPRAISAL OF THE FUMAROLIC ACTIVITY NEAR AHAUCHAPAN, EL SALVADOR. McBirney, A.R. El Salvador Serv. Geol. Nac. An., Bol. 2; 19-32(1956).
EL SALVADOR;GEOTHERMAL EXPLORATION;FUMAROLES; GEOTHERMAL ENERGY;POWER POTENTIAL;NATURAL STEAM; MAGMATIC WATER;HEAT;GEOTHERMAL RESOURCES

1376 REPORT OF THE HOT SPRING RESEARCHES AT GOSHIKI SPA AND SHIONOHA SPA, KAWAKAMINURA, YOSHINO-GUN, NARA PREFECTURE. Haraguchi, K.

Chishitsu Chosasho Geppo; 1: No. 4, 37-40(1956).
JAPAN;HOT SPRINGS;ORIGIN;GEOLOGIC STRATA; GEOLOGIC FISSURES

1377 FUMAROLES AND THERMAL SPRINGS IN THE OLDER VOLCANIC MOUNTAINS OF EL SALVADOR. Grebe, W.H. El Salvador Serv. Geol. Nac. An.; Bol. 2: 34-43(1956).
EL SALVADOR;FUMAROLES;HOT SPRINGS;ROCKS; HYDROTHERMAL ALTERATION;GEOLOGY

1378 HOT SPRINGS AS A FACTOR OF THE ICELANDIC CULTURAL LANDSCAPE. Bachmann, F. Geog. Helvetica; 11: No. 1, 59-68(1956). (In German with English summary).
ICELAND;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ORIGIN

1379 PRELIMINARY ACCOUNT OF HYDROTHERMAL CONDITIONS AT WAIRAKEI, NEW ZEALAND. Healy, J. pp 214-27 of Proceedings of 8th Congress of Pacific Science Association, Quezon City, Philippines, 1953, Volume 2. Pacific Sci. Assoc. (1956).
WAIRAKEI GEOTHERMAL FIELD;ENERGY YIELD;HEAT; NATURAL STEAM;THERMAL WATERS;IGNEOUS ROCKS; DEPTH;FLOW RATE

1380 EVIDENCE OF MICROBIOLOGICAL ACTIVITY IN SOME OF THE GEOTHERMAL REGIONS OF NEW ZEALAND. Kaplan, I.R. New Zealand Jour. Sci. Tech.; 37: No. 6, Sec. B, 639-662(1956).
NEW ZEALAND;GEOTHERMAL FIELDS;MICROORGANISMS; REDOX POTENTIAL;PH VALUE;GEOCHEMISTRY;GYPSUM; CALCIUM CARBONATES;SILICON OXIDES

1381 SULFURIC-SULFUROUS VAPOR IN THE PRESENT SOLFATARA PHASE OF THE ACTIVITY OF VOLCANO ISLAND AND SOME INHERENT QUESTIONS. Sicardi, L. Bull. Volcanol.; 18, Ser. 2: 159-68(1956).
ITALY;SOLFATARAS;CHEMICAL COMPOSITION; HYDROGEN SULFIDES;SULFUR OXIDES;GASES;FUMAROLIC FLUIDS;MEDIUM TEMPERATURE

1382 MANZA THERMAL SPRINGS, GUMMA. Nakamura, H.; Hirukawa, T. Jap. Geol. Surv. Bull.; 8: No. 1, 1-14(1957).
JAPAN;GEOTHERMAL RESOURCES;FUMAROLES;HOT SPRINGS;VOLCANIC REGIONS;GEOLOGY;CHEMICAL COMPOSITION

1383 HYDROGEOLOGIC ZONAL MAPPING OF THERMAL SUBSURFACE WATERS IN KAMCHATKA. Svyatlovsky, A.E. Dokl. Akad. Nauk SSSR; 113: No. 1, 175-8(1957).
USSR;THERMAL WATERS;ARTESIAN BASINS; LITHOLOGY;GEOLOGY;HYDROLOGY;NATURAL STEAM; GEOMORPHOLOGY;MAPS

1384 PROSPECTING OF THE UNDERGROUND STRUCTURE OF 'SHOWA-SHINZAN' BY VARIOUS GEOPHYSICAL METHODS, PARTICULARLY SEISMIC SURVEY. Hayakawa, M. Jap. J. Geophys.; 1: No. 3, 13-20(1957).
JAPAN;VOLCANOES;VOLCANIC REGIONS;SEISMIC SURVEYS;VOLCANIC ROCKS;DEPTH;GEOLOGIC DEPOSITS; GEOLOGY;SEISMIC P WAVES;VELOCITY

1385 WAIRAKEI HYDROTHERMAL SYSTEM AND THE INFLUENCE OF GROUND WATER. Studt, F.E. N.Z. J. Sci. Tech.; 38: No. 6, Sec. B, 595-622(1957).
WAIRAKEI GEOTHERMAL FIELD;THERMAL WATERS; NATURAL STEAM;METEORIC WATER;GROUND WATER;HEAT TRANSFER;HYDROTHERMAL SYSTEMS;METEOROLOGY

1386 WHITE ISLAND. Sanders, C.A.I. New Zealand Alpine J.; 17: No. 44, 99-106(1957).
History, description. NEW ZEALAND;GEOTHERMAL FIELDS;GEOLOGIC DEPOSITS;SULFUR;VOLCANIC REGIONS

1387 SINTER CONE OF THE NAKANO-GAWA, ISHIKAWA PREFECTURE. Nakamura, H.; Ando, T. Chishitsu Chosasho Geppo; 8: No. 12, 717-20(1957). (In Japanese with English summary).
JAPAN;THERMAL WATERS;CALCIUM COMPOUNDS; PRECIPITATION;CONES

1388 GEOTHERMAL ANOMALIES IN THE DONETS BASIN. Kashpur, Ya.N. Dokl. Akad. Nauk SSSR; 116: No. 3, 385-8(1957).
USSR;GEOTHERMAL GRADIENTS;COAL DEPOSITS; THERMAL CONDUCTIVITY;ROCKS

1389 SOME PHYSICAL MEASUREMENTS IN THE WAIRAKEI--TAUPO AREAS. Thompson, G.E.K. pp 81-95 of Physics of the New Zealand thermal area (Bulletin 123). Wellington, New Zealand; New Zealand Dept. Sci. Indust. Res. (1957).
WAIRAKEI GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;THERMAL WATERS;TEMPERATURE MEASUREMENT; PH VALUE;CHEMICAL COMPOSITION;CHLORIDES; ELECTRIC CONDUCTIVITY;HOT SPRINGS

1390 REPORT ON GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL STUDIES OF USU VOLCANO (SHOWA-SHINZAN). Nemoto, T.; Hayakawa, M.; Takahashi, K.; Oana, S. Chishitsu Chosasho Geppo; No. 170, 149p. (Jap.), 24p. (Eng.)(1957). (In Japanese and English).
JAPAN;VOLCANOES;SEISMIC SURVEYS;GEOPHYSICAL SURVEYS;GASES;NATURAL STEAM;SULFUR OXIDES; HYDROGEN SULFIDES;GEOCHEMISTRY;GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS

1391 EXPLANATORY TEXT OF THE GEOLOGICAL MAP OF JAPAN, SCALE 1:50,000. Uemura, F.; Saito, M. Ohata (Aomiri-3); Japan; Jap. Geol. Surv. (1957). 39p. (In Japanese with English summary).
JAPAN;GEOLOGICAL SURVEYS;VOLCANIC ROCKS; SEDIMENTARY ROCKS;GEOLOGIC DEPOSITS;HOT SPRINGS; VOLCANIC REGIONS;SAND;GEOLOGY

1392 ORIGIN AND FLOW OF HEAT. Banwell, C.J. pp 9-37 of Physics of the New Zealand thermal area (N.Z. Dept. Sci. Indust. Res., Bull. 123). New Zealand; New Zealand Dept. Sci. Indust. Res. (1957).
NEW ZEALAND;HEAT FLOW;THERMAL WATERS; VOLCANIC REGIONS;HEAT TRANSFER;EARTH CRUST

1393 GREAT WAIRAKEI GEYSER - STATE OF ITS ACTIVITY IN 1951. McCree, K.J. pp 97-104 of Physics of the New Zealand thermal area (Bull. 123). Wellington, N.Z.; N.Z. Dept. Sci. Indust. Res. (1957).
WAIRAKEI GEOTHERMAL FIELD;GEYSERS

1394 GEOLOGY OF THE MINERAL SPRINGS IN HAKONE DISTRICT, KANAGAWA PREFECTURE, JAPAN. Ueji, T. Onsen Kagaku; 8: No. 4, 95-9(1957). (In Japanese with English summary).
JAPAN;MINERAL SPRINGS;GEOLOGY;VOLCANOES; SEDIMENTARY ROCKS;PH VALUE;SODIUM CHLORIDES; GROUND WATER;SEDIMENTS;CHEMICAL COMPOSITION;PH VALUE

1395 GEOLOGICAL AND RADIOMETRIC SURVEY AT TAMAGAWA HOT SPRING. Kawano, Y. Chishitsu Chosasho Geppo; 8: No. 7, 361-74(1957). (In Japanese with English summary).
JAPAN;HOT SPRINGS;GEOLOGY;THERMAL WATERS; RADIOACTIVITY;RADIUM;RADIATION MONITORING; CHEMICAL COMPOSITION

1396 QUESTION OF SETTING UP GEOTHERMAL INVESTIGATIONS IN ARMENIA. Ananyan, A.L.; Yegogyan, V.L. Akad. Nauk Armyan. SSR, Izv.; 11: No. 4, 23-36(1958).
USSR;THERMAL WATERS;GEOTHERMAL GRADIENTS; SEDIMENTS;IGNEOUS ROCKS;BOREHOLES;GEOLOGIC FAULTS;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS

1397 RELATION OF OCCURRENCE OF HOT SPRINGS TO GEOLOGICAL STRUCTURE AND GEOTHERMAL STRUCTURE IN KONA-NAGAOKA HOT SPRINGS, SHIZUOKA PREFECTURE. Nakamura, H. Onsen Kagaku; 9: No. 4, 118-23(1958). (In Japanese with English summary).
TUFF;GEOLOGIC FISSURES;THERMAL WATERS;HOT SPRINGS;JAPAN;POROSITY;GEOLOGY

1398 RELATION OF THE WATER LEVEL OF LAKE SUWA TO THE DISCHARGE OF THE KAMISUWA HOT SPRINGS, NAGANO PREFECTURE. Inagaki, M.; Maki, S.; Nakamura, H. Onsen Kagaku; 9: No. 1, 12-25(1958). (In Japanese with English summary).
LAKES;LEVELS;HOT SPRINGS;LIQUID FLOW;GEOLOGY; THERMAL WATERS;PRESSURE GRADIENTS;GROUND WATER; HYDROLOGY

1399 GEOLOGY AND GEOTHERMAL TEMPERATURE APPEARED AT THE TEST BORING OF MATSUSHIMA HOT-SPRING HEALTH CENTER. Okutsu, H.; Hase, K. Saito Ho-On Kai Mus. Res. Bull.; No. 27, 52-3(1958).
JAPAN;HOT SPRINGS;BOREHOLES;TEMPERATURE MEASUREMENT;GEOLOGY

1400 GROUND WATER - SOURCE OF THERMAL ENERGY. Makarenko, F.A. Priroda; No. 9, 89-91(1958).
USSR;THERMAL WATERS;GROUND WATER;HOT SPRINGS; MEDIUM TEMPERATURE;MINERAL RESOURCES;GEOTHERMAL RESOURCES

1401 THERMAL SALINE WATERS IN JAPAN. Nakamura, H.; Maeda, K. Chishitsu Chosasho Geppo; 9: No. 6, 41-50(1958). (In Japanese with English abstract).
JAPAN;THERMAL WATERS;SALINITY;GRANITES; MAGMATIC WATER;HOT SPRINGS;VOLCANIC REGIONS; CHLORINE;BROMINE;CHEMICAL COMPOSITION

1402 ACTIVE VOLCANOES OF MEXICO. Mooser, F. Internatl. Volcanol. Assoc.; 6: 1-36(1958).
MEXICO;HYDROTHERMAL SYSTEMS;VOLCANIC REGIONS; VOLCANOES

1403 MAIN STAGES OF HYDROTHERMAL ACTIVITY OF KAMCHATKA AND KURILE ISLANDS VOLCANOES AND ASSOCIATED TYPES OF THERMAL WATERS. Ivanov, V.V. Geokhimiya; No. 5, 473-85(1958).
USSR;FUMAROLIC FLUIDS;SOLFATARAS;THERMAL WATERS;VOLCANIC REGIONS;SODIUM CHLORIDES;GROUND WATER;SULFATES;CHEMICAL COMPOSITION; THERMODYNAMICS;HYDROLOGY;MAGMA;HYDROTHERMAL SYSTEMS

1404 CONTRIBUTION TO THE THERMODYNAMIC ANALYSIS ON THE HEAT SOURCE OF OBAMA HOT SPRINGS IN THE VICINITY OF UNZEN VOLCANO DISTRICT. Watanabe, K. J. Geog.; 67: No. 3, 127-52(1958). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;WATER RESOURCES;THERMAL WATERS;USES;SALTS;RECOVERY;FLOW RATE; TEMPERATURE GRADIENTS;THERMODYNAMICS;GEOTHERMAL ENERGY;MAGMA;CHEMICAL COMPOSITION;CHLORINE; ABUNDANCE;HYDROTHERMAL SYSTEMS;ENTHALPY

1405 EXPLANATORY TEXT OF THE GEOLOGICAL MAP OF JAPAN, MIKOMOTOJIMA. Sumi, K. Tokyo; Japan; Jap. Geol. Surv. (1958). 33p. (In Japanese with English summary).
JAPAN;GEOLOGY;MAPS;VOLCANIC ROCKS;SANDSTONES; ORES;GOLD;MANGANESE;HOT SPRINGS;USES;THERMAL WATERS;GEOTHERMAL RESOURCES

1406 GEOTHERMIC REGIME OF SOME REGIONS OF GEORGIAN SOVIET SOCIALIST REPUBLIC. Arbolishvili, D.Z. Geol. Nefti; 2: No. 12, 42-7(Dec 1958).
USSR;GEOTHERMAL FIELDS;ROCKS;GEOLOGIC STRATA; TEMPERATURE DISTRIBUTION;DEPTH

1407 NARUGO, KAWATABI AND NAKAYAMADAIRA THERMAL SPRINGS, MIYAGI. Nakamura, H.; Maeda, K. Jap. Geol. Surv. Bull.; 10: No. 3, 227-36(1959).
JAPAN;GEOTHERMAL RESOURCES;TUFF;GRANITES; ELECTRIC POWER;POWER GENERATION;GROUND WATER; HOT SPRINGS

1408 EXPLANATORY TEXT OF THE GEOLOGICAL MAP OF JAPAN, SCALE 1:50,000. Ono, K.; Sumi, K. Inatori (Tokyo-106); Japan; Japanese Geological Survey (1959). 26p. (In Japanese with English summary).
JAPAN;GEOLOGICAL SURVEYS;MAPS;VOLCANIC ROCKS; HOT SPRINGS;NATURAL STEAM;GEOLOGY

1409 POSSIBILITIES OF NATURAL RADIOCARBON AS A GROUND WATER TRACER IN THERMAL AREAS. Fergusson, G.J.; Knox, F.B. N. Z. J. Sci.; 2: No. 3, 431-41(1959).
WAIRAKEI GEOTHERMAL FIELD;GROUND WATER; NATURAL STEAM;CARBON 14;CARBON DIOXIDE;TRACER TECHNIQUES;HYDROLOGY

1410 RELATION OF THE GEOLOGICAL STRUCTURE TO THE OCCURRENCE OF NATURAL STEAM IN THE ONIKOBE BASIN, MIYAGI PREFECTURE. Nakamuro, H. Chishitsu Chosasho Geppo; 10: No. 7, 575-600(1959). (In Japanese with English abstract).
JAPAN;GEOLOGICAL SURVEYS;NATURAL STEAM; THERMAL WATERS;CHEMICAL COMPOSITION;FUMAROLES; HOT SPRINGS;ELECTRICAL SURVEYS;CAP ROCK; GEOTHERMAL FIELDS;FUMAROLIC FLUIDS;GEOCHEMICAL SURVEYS

1411 FUMAROLES AND GEYSER FIELD WEST OF THE TATIO VOLCANIC GROUP (ANTOFAGASTA PROVINCE, CHILE). Zeil, W. Bayer. Akad. Wiss., Sitzung. Math.-Naturw. Kl., Abh.; No. 96, 14p.(1959).
FUMAROLES;GEYSERS;HOT SPRINGS;CHILE; HYDROTHERMAL SYSTEMS;GEOLOGIC DEPOSITS;THERMAL WATERS;CHEMICAL COMPOSITION

1412 HOT SPRINGS AND HYDROTHERMAL ERUPTIONS OF WAIOTAPU. Lloyd, E.F. N. Z. J. Geol. Geophys.; 2: No. 1, 141-76(1959).
BROADLANDS GEOTHERMAL FIELD;HOT SPRINGS; ORIGIN;GEOLOGY;HEAT FLOW;TECTONICS;WAIOTAPU

GEOTHERMAL FIELD

1413 INFORMATION ON STUDIES OF ''ENDOGENEOUS FORCES'' IN NICARAGUA. del Gludice, D. Nicaragua Serv. Geol. Nacional Boletin; No. 3, 51-84(1959).
NICARAGUA;GEOTHERMAL RESOURCES;HOT SPRINGS; VOLCANOES;GEOTHERMAL POWER PLANTS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY;TECTONICS

1414 ZEOLITE FACIES, WITH COMMENTS ON THE INTERPRETATION OF HYDROTHERMAL SYSTEMS. Coombs, D.S.; Ellis, A.J.; Fyfe, W.S.; Taylor, A.M. Geochim. Cosmochim. Acta; 17: No. 1-2, 53-107(1959).
NEW ZEALAND;GEOLOGY;GEOLOGIC DEPOSITS; METAMORPHISM;HYDROTHERMAL ALTERATION;ZEOLITES; CHEMICAL COMPOSITION;SILICATES;ABUNDANCE; HYDROTHERMAL SYSTEMS;DISTRIBUTION;LITHOLOGY; GEOMORPHOLOGY;QUARTZ

1415 VOLCANOLOGY 1927-29. Grange, L.I. pp 25-31 of White Island (N.Z. Dept. Sci. Indust. Res., Bull. 127). Wellington, N.Z.; N.Z. Dept. Sci. Indust. Res. (1959).
NEW ZEALAND;VOLCANIC REGIONS;GEOLOGY;ROCKS; HYDROTHERMAL ALTERATION;CHEMICAL COMPOSITION; HOT SPRINGS;THERMAL WATERS;FUMAROLIC FLUIDS

1416 GEOCHEMICAL INVESTIGATION OF THE SELF-DESTRUCTION OF GONGENSAWA GEYSER. Murozumi, M. Jour. Geog.; 68: No. 1, 1-17(1959).
JAPAN;GEYSERS;GEOTHERMAL FIELDS;CHEMICAL COMPOSITION;SULFURIC ACID;VOLCANOES; GEOCHEMISTRY

1417 *IN THE COUNTRY OF VOLCANOES.* Vlodavets, V.I. Priroda; No. 10, 74-81(1959).
ICELAND;VOLCANOES;GEOTHERMAL ENERGY;USES

1418 HYDROTHERMAL ACTIVITY IN THE KAMBAL'NYI RANGE AREA IN SOUTHERN KAMCHATKA. Nekhoroshev, A.S. Akad. Nauk SSSR, Lab. Vulkanol., Byull. Vulkanol. Sta.; No. 28, 23-32(1959).
USSR;GEOTHERMAL FIELDS;HYDROTHERMAL SYSTEMS; FUMAROLES;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION

1419 VISIT TO THE PHILIPPINE ISLANDS. Bowring, J. London; United Kingdom of Great Britain and Northern Ireland (UK); Smith, Edler Co. (1859). 438p.
PHILIPPINES;HOT SPRINGS;MINERAL SPRINGS

1420 VOLCANO SLOPE SPRINGS IN JAPAN. Yamamoto, S. pp 222-4 of International Geog. Union, Reg. Conference, Japan, 1957, Proceedings. Int. Geog. Union (1959).
JAPAN;HOT SPRINGS;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS;THERMAL WATERS;FLOW RATE; HYDROLOGY;GEOLOGY;TEMPERATURE MEASUREMENT; VOLCANIC REGIONS

1421 HOT SPRINGS OF BULGARIA. Ovchinnikov, A.M. Akad. Nauk. SSSR, Lab. Vulkanol., Trudy; No. 18, 133-8(1960).
BULGARIA;GEOTHERMAL RESOURCES;HOT SPRINGS; GEOTHERMAL ENERGY;POWER POTENTIAL;NITROGEN; CARBON;METHANE

1422 SHALLOW TEMPERATURE SURVEYING IN THE WAIRAKEI-TAUPO AREA. Thompson, G.E.K. N. Z. J. Geol. Geophys.; 3: No. 4, 553-62(1960).
WAIRAKEI GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;TEMPERATURE GRADIENTS

1423 ELECTRIC POWER GENERATION FROM GEOTHERMAL STEAM AT WAIRAKEI, NEW ZEALAND. Studt, F.E.; Doyle, D. Bull. Volcanol.; 23, Ser. 2: 277-82(1960).
WAIRAKEI GEOTHERMAL FIELD;GEOLOGY;POWER GENERATION;GEOTHERMAL ENERGY;ELECTRIC POWER; ELECTRICITY;HOT-WATER SYSTEMS

1424 EXPLORATION AND EXPLOITATION OF NATURAL HEAT IN ICELAND. Bodvarsson, G. Bull. Volcanol.; 23, Ser. 2: 241-50(1960).
ICELAND;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;USES;SPACE HEATING;GREENHOUSES; GEOCHEMISTRY;GEOPHYSICAL SURVEYS;REVIEWS; EXPLOITATION

1425 TAKINOUE GEOTHERMAL REGION, IWA. Nakamura, H.; Ando, T.; Sumi, K.; Suzuki, T. Jap. Geol. Surv. Bull.; 11: No. 2, 79-84(1960). (In Japanese with English summary).
JAPAN;GEOTHERMAL RESOURCES;GEOLOGY;HYDROLOGY; FUMAROLES;HOT SPRINGS;CAP ROCK;THERMAL WATERS; TUFF;IGNEOUS ROCKS;SEDIMENTARY ROCKS;GEOTHERMAL FIELDS

1426 GEOTHERMAL ZONATION OF WEST SIBERIAN ARTESIAN BASIN. Mavritskiy, B.F. Akad. Nauk SSSR Izv., Ser. Geol.; No. 3, 72-83(1960).
USSR;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;BOREHOLES;TEMPERATURE MEASUREMENT; ARTESIAN BASINS;TEMPERATURE DISTRIBUTION; GEOLOGY;HYDROLOGY;CLIMATES;ZONES

1427 THEORY OF GEYSERS. Golovina, I.F.; Malov, N.N. Akad. Nauk SSSR Izv., Ser. Geofiz.; 7: 922-9(1960).
USSR;GEYSERS;OPERATION;GROUND WATER;EARTH CRUST;THERMAL WATERS;GEOLOGY;HYDROLOGY;DATA

1428 SUBSURFACE HEAT OF THE DZHERMUK REGION AND THE PROBLEM OF UTILIZATION OF NATURAL HOT WATERS. Ananyan, A.L. Sov. Geol.; No. 12, 98-105(1960).
USSR;GEOTHERMAL GRADIENTS;THERMAL WATERS;HOT SPRINGS;SPACE HEATING;AQUIFERS;LIMESTONE; ARTESIAN BASINS;USES;GEOTHERMAL ENERGY

1429 GEOLOGY AND HOT SPRINGS OF TAKINOUE GEOTHERMAL AREA, IWATE PREFECTURE. Nakamura, H.; Ando, T.; Suzuki, T. Chishitsu Chosasho Geppo; 11: No. 2, 79-84(1950).
JAPAN;GEOTHERMAL FIELDS;FUMAROLES;HOT SPRINGS;GEOLOGY;SEDIMENTS;LAVA;TUFF;NATURAL STEAM;THERMAL WATERS;VOLCANIC ROCKS

1430 THERMAL UNDERGROUND WATERS OF THE KAMCHATKA AND THE ROLE OF RECENT TECTONICS AND VOLCANISM IN THEIR DYNAMICS. Svyatlovskiy, A.E. Bull. Volcanol.; 23: 265-70(1960).
USSR;TECTONICS;VOLCANIC REGIONS;THERMAL WATERS;GEOLOGY;ARTESIAN BASINS;GEOTHERMAL FIELDS

1431 SOME CONSIDERATIONS ON THE UTILIZATION OF GEOTHERMAL ENERGY, A PROPOS OF NEW ZEALAND. Goguel, J. Bull. Volcanol.; 23, Ser. 2: 283-99(1960).
NEW ZEALAND;GEOTHERMAL RESOURCES;NATURAL STEAM;HYDROTHERMAL SYSTEMS;GEOTHERMAL FIELDS

1432 HYDROTHERMAL METASOMATIAM OF PROTEROZOIC

ROCKS IN THE OLEKMA-VITIM HIGHLANDS. Rozentsuit, A.O. Akad. Nauk SSSR Izv., Ser. Geol.; No. 5, 60-73(1960).
SEDIMENTARY ROCKS;HYDROTHERMAL ALTERATION; USSR;LITHOLOGY

1433 THERMAL WATERS OF THE PALEOZOIC AND MESOZOIC IN THE WESTERN PART OF THE CRIMEAN PENINSULA. Germanyuk, M.M. Sov. Geol.; No. 6, 111-18(1960). (English summary).
USSR;THERMAL WATERS;BOREHOLES;GEOTHERMAL WELLS;CHEMICAL COMPOSITION;SALINITY;SEDIMENTS; MINERALS;MINERAL RESOURCES;GEOLOGIC DEPOSITS

1434 GEOLOGY IN ICELAND. Thorarinsson, S.; Tryggvason, T. Geo. Times; 4: No. 6, 8-10(1960).
ICELAND;GEOLOGY;GEOTHERMAL FIELDS;VOLCANIC REGIONS

1435 GEOLOGY OF HELLISHEIDI. Einarsson, T. Sonderveroff. 5. Univ. Cologne; German, Federal Republic of (F.R. Germany); Geol. Inst. (1960). 55p.
ICELAND;VOLCANIC REGIONS;GEOLOGY;EARTHQUAKES; HOT SPRINGS;LAVA;TUFF

1436 GEOLOGICAL INVESTIGATIONS, SAMPLING AND DIAMOND-DRILLING AT MANYEGHI HELIUM-BEARING HOT SPRINGS, SINGIDA DISTRICT. Harris, J.F. Tanganyika Geol. Surv. Rec.; 8: 86-98(1960).
TANZANIA;HOT SPRINGS;BRINES;HELIUM; PRODUCTION;BY-PRODUCTS;DRILLING

1437 DATA ON THE GEOTHERMY OF THE WEST TURKMEN ARTESIAN BASIN. Dzhibuti, S.S. Tr. Akad. Nauk SSSR Lab. Gidrogeol. Problem; 30: 104-9(1960).
USSR;ARTESIAN BASINS;GROUND WATER; HYDROTHERMAL SYSTEMS;GEOTHERMAL GRADIENTS; BOREHOLES;HOT SPRINGS

1438 UCHINOMAKI HOT SPRINGS IN ASO CALDERA. Yuhara, K. Onsen Kagaku; 11: No. 4, 61-71(1960). (In Japanese with English summary).
JAPAN;GEOTHERMAL WELLS;THERMAL WATERS; CHEMICAL COMPOSITION;TEMPERATURE DEPENDENCE; CHLORINE;SULFUR OXIDES;CARBONATES;SODIUM; CALCIUM;ABUNDANCE;FLOW RATE;TEMPERATURE MEASUREMENT;NITROGEN;OXYGEN

1439 DATA ON NATURAL GEOTHERMAL STEAM OF LARDERELLO REGION. Contini, R.; Burgassi, R. Termotecnica (Milan); 14: No. 1, 25-8(Jan 1960).
LARDERELLO GEOTHERMAL FIELD;GEOLOGY;NATURAL STEAM;THERMODYNAMIC PROPERTIES;USES

1440 STUDIES OF THERMAL STATE OF EARTH. Rikitake, T.; Uyeda, S.; Horai, K. Tokyo Daigaku Jishin Kenkyusho Iho; 38, Pt. 3: 403-19, 421-36(Sep 1960).
EARTH CRUST;HEAT FLOW;JAPAN;GEOPHYSICS

1441 STUDY OF THE THERMAL STATE IN THE UPPER PART OF THE EARTH'S CRUST. Hayakawa, M. Proc. Indian Natl. Sci. Acad., Part A; 27: No. 5, 416-40(1961).
JAPAN;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;HEAT TRANSFER; NATURAL STEAM;REVIEWS

1442 HOTSPRING AREAS WITH ACID-SULPHATE-CHLORIDE WATERS. Ellis, A.J.; Wilson, S.H. Nature (London); 191: No. 4789, 696-7(1961).
NEW ZEALAND;HOT SPRINGS;THERMAL WATERS;PH VALUE;CHLORIDES;SULFATES;ABUNDANCE;CHEMICAL COMPOSITION;GEOTHERMAL FIELDS

1443 GEOTHERMAL INVESTIGATIONS OF MATSUKAWA HOTSPRING AREA, IWATE PREFECTURE. Nakamura, H.; Sumi, K. Chishitsu Chosasho Geppo; 12: No. 2, 73-84(1961). (In Japanese with English abstract).
MATSUKAWA GEOTHERMAL FIELD;HOT SPRINGS; GEOLOGY;NATURAL STEAM;DRILLING;GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS;VOLCANIC ROCKS; SEDIMENTS;TUFF;LAVA

1444 PRELIMINARY SURVEY OF THE HYDROTHERMAL FIELD AT RABAUL, NEW BRITAIN. Studt, F.E. N. Z. J. Geol. Geophys.; 4: No. 3, 274-82(1961).
NEW ZEALAND;GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS;HOT SPRINGS;HYDROLOGY;THERMAL WATERS; CHEMICAL COMPOSITION;POWER POTENTIAL;GEOTHERMAL EXPLORATION

1445 GAS GEYSER OF WESTERN TURKMENIA AND THE MECHANISM OF ITS ACTIVITY. Subbota, M.I. Int. Geol. Rev.; 3: No. 11, 995-7(1961).
USSR;GEYSERS;GAS FLOW;GEOLOGIC FAULTS; BOREHOLES

1446 THERMAL WATERS AND HYDROTHERMAL ACTIVITIES IN ARIMA HOTSPRING AREA, HYOGO PREFECTURE. Nakamura, H.; Maeda, K. Chishitsu Chosasho Geppo; 12: No. 7, 489-97(1961). (Japanese abstract).
JAPAN;THERMAL WATERS;GEOLOGY;CHLORINE IONS; HYDROGEN;MAGMA;HOT SPRINGS;MAGMATIC WATER

1447 RATES OF DISCHARGE OF HEAT ENERGY FROM THE PRINCIPAL HOT SPRING LOCALITIES IN HOKKAIDO, JAPAN. Fukutomi, T. Hokkaido Univ. Fac. Sci. J., Geophys.; 1: No. 5, Ser. 7, 315-30(1961).
JAPAN;HOT SPRINGS;HEAT;ENERGY YIELD

1448 GEYSER THEORY. Golovina, I.F.; Malov, N.N. Akad. Nauk SSSR Izv., Ser. Geofiz.; No. 7, 616-20(1961).
GEYSERS;THERMODYNAMICS;HYDRODYNAMICS

1449 POSSIBLE SOURCES OF GEOTHERMAL ENERGY IN THE REPUBLIC OF MEXICO. Blasquez L., L. Mex. Univ. Nac. Inst. Geol., Bol.; No. 61, 39-46(1961).
MEXICO;GEOTHERMAL RESOURCES;THERMAL WATERS; NATURAL STEAM;PATHE GEOTHERMAL FIELD;GEOTHERMAL GRADIENTS;GEOTHERMAL WELLS;HOT SPRINGS

1450 PHYSICAL CHARACTERISTICS OF NATURAL HEAT RESOURCES IN ICELAND. Bodvarsson, G. Joekull (Reykjavik); 11: 29-38(1961).
ICELAND;GEOTHERMAL RESOURCES;VOLCANIC REGIONS;SEISMIC SURVEYS;HOT SPRINGS;GEOTHERMAL GRADIENTS;NATURAL STEAM;BASALT;VOLCANIC ROCKS; ENTHALPY;HEAT TRANSFER;GEOTHERMAL EXPLORATION; POWER POTENTIAL;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS

1451 GEYSERS, SOLFATARAS AND SPRINGS OF THE RANGE OF SAN ANDRES, MICHOACAN. Blasquez L., L. Mex. Univ. Nac. Inst. Geol., Bol.; No. 61, 1-37(1961).
MEXICO;VOLCANIC REGIONS;GEYSERS;SOLFATARAS; HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT;FLOW RATE;CHEMICAL COMPOSITION;

GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS

1452 ALTERATION PHENOMENA IN THE VOLCANIC ROCKS AT THE FUMAROLES, VOLCANO YAKEDAKE, PREFECTURES NAGANO-GIFU. Ossaka, J. Volcanol. Soc. Jap. Bull.; 5: No. 3, Ser. 2, 145-53(1961). (In Japanese with English summary).
JAPAN;FUMAROLES;VOLCANIC REGIONS;NATURAL STEAM;HYDROTHERMAL ALTERATION;VOLCANIC ROCKS; HYDROGEN SULFIDES;SULFUR OXIDES

1453 INVESTIGATION OF GEOTHERMAL GRADIENT IN TERRITORY OF DOROG COAL BASIN. Willems, T.; Kharshani, A. Hung. Res. Inst. for Min., Publ.; No. 5, 22-32(1961).
HUNGARY;GEOLOGIC DEPOSITS;COAL;GEOTHERMAL GRADIENTS;GROUND WATER;FLUID FLOW;GEOPHYSICAL SURVEYS

1454 UNDERGROUND HEAT SOURCES IN THE CENTRAL CAUCASUS FORELAND REGION. Khrebtov, A.I. Sov. Geol.; No. 1, 133-8(1961).
USSR;THERMAL WATERS;GROUND WATER;USES; EXPLORATION;TEMPERATURE MEASUREMENT;PHYSICAL PROPERTIES;CHEMICAL PROPERTIES

1455 PALEOGEOTHERMOMETRIC INVESTIGATIONS ON COMPLEX SULFIDE DEPOSITS LOCALIZED IN CRYSTALLINE SCHISTS IN THE EASTERN CARPATHIANS IN THE RUMANIAN PEOPLES REPUBLIC, MINERALIZATIONS OF THE LESUL URSULUI. Savul, M.A.; Pomirleanu, V.V. Iassy Univ. An. Stiint.; 7: No. 1, 149-154(1961).
QUARTZ;CRYSTALLIZATION;SCHISTS;ORES;ROMANIA; SULFIDES;GEOTHERMOMETRY

1456 VOLCANISM: ITALIAN CURSE AND BLESSING. Muller, G. Geog. Rund.; 13: No. 7, 286-9, 299(1961). (English summary).
ITALY;VOLCANOES;NATURAL STEAM;EXPLOITATION; ECONOMICS;GEOTHERMAL RESOURCES

1457 RELATION OF THERMAL FIELD OF WEST SIBERIAN LOWLAND TO TOPOGRAPHY OF PRE-JURASSIC BASEMENT. Koshlyak, V.A. Geol. Nefti Gaza; 5: No. 1, 39-44(Jan 1961).
USSR;TOPOGRAPHY;GEOTHERMAL FIELDS;HYDROLOGY; GEOLOGIC STRATA

1458 EFFECT OF FOLDED BASEMENT ON THERMAL STATE OF MESOZOIC AND CENOZOIC DEPOSITS OF WEST SIBERIAN LOWLAND. Cheremenskii, G.A. Izv. Akad. Nauk SSSR, Ser. Geofiz.; 25: No. 5, 705-9(May 1961).
USSR;GEOLOGIC STRATA;GEOLOGIC DEPOSITS; THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS; SEDIMENTARY ROCKS

1459 GEOLOGY AND THERMAL WATERS OF GOJOJIKI HOTSPRING AREA, FUKUSHIMA PREFECTURE. Nakamura, H.; Suzuki, T.; Maeda, K. Chishitsu Chosasho Geppo; 13: No. 4, 329-32(1962). (In Japanese with English summary).
JAPAN;THERMAL WATERS;HOT SPRINGS;GEOLOGY; VOLCANIC ROCKS;CHEMICAL COMPOSITION;CHLORINE; HYDROCARBONS;SALTS;BROMINE;TUFF

1460 SUPPLY OF HEAT FROM THE EARTH'S INTERNAL HEAT VIA THERMAL WATERS. Szebenyi, L. Magy. Geofiz.; 3: No. 1-2, 92-7(1962).
HUNGARY;HEAT FLOW;THERMAL WATERS;HEAT TRANSFER;GEOTHERMAL GRADIENTS

1461 REPORT OF THE GEOLOGICAL STUDIES OF HOT SPRINGS IN JAPAN. Nakamura, H. Report No. 192. Tokyo; Japan; Japanese Geological Survey (1962). 126p.
JAPAN;HOT SPRINGS;IGNEOUS ROCKS;MAGMA; GEOLOGY

1462 THERMAL SPRINGS AND GEOLOGY OF IZU-HAKONE DISTRICT. Sato, K. Balneol. Soc. Jap. J.; 13: No. 2, 41-55(1962). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;VOLCANIC ROCKS;CHEMICAL COMPOSITION;ORIGIN;GEOLOGY

1463 HYDROGEOLOGICAL AND GEOTHERMAL CONDITIONS OF THE MINUSIN INTERMONTANE DEPRESSION. Gavlina, G.B. Akad. Nauk SSSR Lab. Gidrogeol. Problem, Trudy; 39: 151-74(1962).
USSR;CHEMICAL COMPOSITION;THERMAL WATERS; TEMPERATURE MEASUREMENT;BOREHOLES;SALINITY; SODIUM CHLORIDES;CALCIUM CHLORIDES;SODIUM SULFATES;ZONES

1464 EXPLANATORY TEXT OF THE GEOLOGICAL MAP OF JAPAN, SCALE 1:50,000 KUTCHARO-KO. Katsui, Y. Tokyo; Japan; Japan Geological Survey (1962). 42p. (In Japanese with English summary).
VOLCANIC ROCKS;JAPAN;GEOLOGICAL SURVEYS;MAPS; GEOLOGIC DEPOSITS;SULFUR;USES;HOT SPRINGS; SOLFATARAS;ECONOMICS;SEDIMENTARY ROCKS

1465 UNDERGROUND WATER IN EAST GIPPSLAND. Jenkin, J.J. Underground Water Investigation Report No. 6. Unknown; Victoria Geol. Surv. (1962). 16p.
AUSTRALIA;ARTESIAN BASINS;THERMAL WATERS; TEMPERATURE MEASUREMENT;BOREHOLES;COAL;SULFIDES; OXIDATION;CARBONACEOUS MATERIALS

1466 ECONOMIC GEOLOGY OF D'ANTSIRABE PREFECTURE, MALAGASY REPUBLIC. Besairie, H. Unknown; Malagasy Repub. Serv. Geol. Rap. Ann. (1962). 138p.
MADAGASCAR;GEOLOGY;ROCKS;SEDIMENTS;GRAPHITE; MINERALS;RADIOACTIVE MINERALS;QUARTZ;TALC; SHALES;LIMESTONE;CLAYS;HOT SPRINGS;CARBON DIOXIDE;THERMAL WATERS;MINERAL RESOURCES

1467 GEOLOGY AND THERMAL WATERS OF GOJOJIKI HOTSPRING AREA, FUKUSHIMA PREFECTURE. Nakamura, H.; Suzuki, T.; Maeda, K. Chishitsu Chosasho Geppo; 13: No. 4, 329-32(1962).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;VOLCANIC REGIONS;GEOLOGIC FISSURES; CHLORIDES;HYDROCARBONS;TEMPERATURE MEASUREMENT; GEOLOGY

1468 KUL'DAR THERMAL SPRINGS. Bogatkov, N.M. Sov. Geol.; No. 8, 157-61(1962).
USSR;HOT SPRINGS;GEOLOGIC FAULTS;FLOW RATE; TEMPERATURE MEASUREMENT;ORIGIN;GROUND WATER; ARGON;NITROGEN;ABUNDANCE;QUANTITY RATIO;THERMAL WATERS;CHEMICAL COMPOSITION

1469 SECONDARY QUARTZITES. Onikhimovskiy, V.V. Sov. Geol.; No. 4, 53-62(1962).
FUMAROLES;SOLFATARAS;VOLCANIC REGIONS; MINERALIZATION;USSR;QUARTZITES;HYDROTHERMAL ALTERATION;SILICATES;ALUMINIUM SILICATES; METAMORPHIC ROCKS

1470 AQUA DE NEY, A SPRING OF UNIQUE CHEMICAL CHARACTER. Wilson, S.H. Geochim. Cosmochim.

Acta; 26: No. 4, 519-21(1962).
LARDERELLO GEOTHERMAL FIELD;GEYSERS GEOTHERMAL FIELD;NATURAL STEAM;ORIGIN;GROUND WATER;SURFACE WATERS;CHEMICAL COMPOSITION; CHLORINE;FLUORINE;ABUNDANCE;ROCKS;CHEMICAL REACTIONS

1471 SILICA AND ALUNITE DEPOSITS OF THE UGUSU MINE, A GEOCHEMICAL CONSIDERATION ON AN EXTINCT GEOTHERMAL AREA IN JAPAN. Iwao, S. Jpn. J. Geol. Geogr.; 33: No. 2-4, 131-44(1962).
JAPAN;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; SOLFATARAS;FUMAROLES;HOT SPRINGS;MINERALS;CLAYS; ALUNITE;SILICON OXIDES

1472 CHANGES IN GEOTHERMAL GRADIENT IN TRANSDANUBIA. Willems, T. Hung. Res. Inst. for Min., Publ.; 6: 125-34(1962).
HUNGARY;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS;ROCKS

1473 GORYACHII PLAZH DEPOSIT OF THERMAL WATER AND STEAM (KUNASHIR ISLAND). Sidorov, S.S. Akad. Nauk SSSR, Sibirskoye Otdeleniye, Sakhalin. Kompleks. Nauchno-Issled. Inst. Trudy; No. 12, 166-175(1962).
USSR;GEOTHERMAL FIELDS;HYDROLOGY;GEOLOGY; ISLANDS;THERMAL WATERS;HOT SPRINGS;EXPLOITATION; GEOTHERMAL ENERGY;MEDICINE

1474 SOME CONCLUSIONS FROM RECENT HYDROGEOLOGICAL INVESTIGATIONS OF THE THERMAL SPRINGS OF SOUTH BULGARIA. Petrov, P.St.; Martinov, Sv.L. B'lgarska Akad. Nauk. Otdel. Geol., Geog. Nauk. Izv.; 11: 267-282(1962). (In Russian with German summary).
BULGARIA;HOT SPRINGS;HYDROLOGY;GEOLOGY; GEOTHERMAL WELLS;THERMAL WATERS;TEMPERATURE DISTRIBUTION

1475 HYDROGEOLOGY OF THE AX-LES-THERMES AREA. Destombes, J.P. Bull. Bur. Rech. Geol. Minieres; 1: 29-43(1962).
FRANCE;HOT SPRINGS;GEOLOGY;HYDROLOGY; GEOLOGIC FISSURES

1476 GEOLOGICAL STUDY ON MINERAL SPRINGS IN HOKKAIDO. Saito, J. Report No. 27. Hokkaido; Japan; Hokkaido Geol. Surv. (1962). 88p.
JAPAN;MINERAL SPRINGS;HOT SPRINGS;THERMAL WATERS;GEOLOGY;CHEMICAL COMPOSITION; GEOCHEMISTRY;CARBON DIOXIDE;METHANE;PRODUCTION; USES

1477 USE OF ISOTOPES OF HYDROGEN AND OXYGEN FOR HYDROLOGICAL PURPOSES IN ICELAND. Bodvarsson, G. Joekull (Reykjavik); Ar. 12: 49-54(1962).
Reykjavik and Akureyri areas. ICELAND;HOT SPRINGS;FLUID FLOW;TRACER TECHNIQUES;HYDROGEN ISOTOPES;OXYGEN ISOTOPES;HYDROLOGY;THERMAL WATERS

1478 GEOTHERMAL FEATURES OF PETROLEUM AND NATURAL GAS DEPOSITS IN CAUCASUS. Sukharev, G.M.; Taranukha, Yu.K.; Vlasova, S.P. Sov. Geol.; No. 12, 70-9(Dec 1962).
USSR;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;GEOLOGIC DEPOSITS;PETROLEUM;NATURAL GAS;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER POTENTIAL;ECONOMICS

1479 GEOTHERMAL CONDITIONS AND ACTUAL THERMAL WATERS OF SOUTH BULGARIA. Petrov, P.St. B'lgarsko Geol. Druznestuo Spisanic; 24, Pt. 3: 285-98(1963).
BULGARIA;GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS;THERMAL WATERS;HOT SPRINGS; TEMPERATURE MEASUREMENT

1480 WAIOTAPU HYDROLOGY. Studt, F.E. pp 127-32 of Waiotapu geothermal field. (Bulletin 155). New Zealand Dept. Sci. Indust. Res. (1963).
NEW ZEALAND;WAIOTAPU GEOTHERMAL FIELD; GEOPHYSICAL SURVEYS;HYDROLOGY;STRATIGRAPHY; AQUIFERS;TEMPERATURE DISTRIBUTION

1481 FACTORS IN GEOTHERMAL INVESTIGATIONS AT WAIOTAPU. Healy, J. pp 133-5 of Waiotapu geothermal field. (Bulletin 155). New Zealand Dept. Sci. Indust. Res. (1963).
NEW ZEALAND;GEOTHERMAL EXPLORATION;WAIOTAPU GEOTHERMAL FIELD;GEOLOGY;HYDROLOGY;BOREHOLES; GEOPHYSICAL SURVEYS;GEOLOGIC FAULTS;THERMAL WATERS

1482 SUMMARY OF FINDINGS AT WAIOTAPU. Studt, F.E. pp 136-8 of Waiotapu geothermal field. (Bulletin 155). New Zealand Dept. Sci. Indust. Res. (1963).
NEW ZEALAND;GEOTHERMAL EXPLORATION;WAIOTAPU GEOTHERMAL FIELD;GEOLOGY;THERMAL WATERS; GEOLOGIC FAULTS;WAIRAKEI GEOTHERMAL FIELD; NATURAL STEAM;BOREHOLES;TEMPERATURE MEASUREMENT; EXPLOITATION

1483 INVESTIGATION OF THE MOVEMENT OF INFILTRATING ACIDIC HOT-SPRING WATER IN THE GROUND BY MEANS OF RADIO-ISOTOPES. Ariizumi, A.; Kondo, O. pp 365-81 of International Atomic Energy Agency, Symposium on Applications of Radio-isotopes, Hydrol., Tokyo, 1963, Sec. 2. Int. Atomic. Energy Agency (1963).
JAPAN;RIVERS;WATER POLLUTION;THERMAL WATERS; DIFFUSION;TRACER TECHNIQUES;RADIOISOTOPES;PH VALUE;THERMAL POLLUTION;HOT SPRINGS;INJECTION WELLS

1484 OCCURRENCE OF GEOTHERMAL PRODUCTS IN JAPAN. Nakamura, H. J. Geog.; 72: No. 2, 30-7(1963). (In Japanese with English abstract).
JAPAN;GEOTHERMAL FIELDS;VOLCANOES;GASES; MAGMA;ROCKS;PERMEABILITY;POROSITY;VOLCANIC REGIONS

1485 TERRESTRIAL HEAT FLOW IN JAPAN. Horai, K.-I.; Uyeda, S. Shizen; 199: No. 4891, 364-5(1963).
JAPAN;HEAT FLOW;MAPS

1486 EXPLANATORY TEXT OF THE GEOLOGICAL MAP OF JAPAN, SCALE 1: 50,000. Ono, K. Tokyo; Japan; Japan Geol. Surv. (1963). 117p. (In Japanese with English summary).
JAPAN;VOLCANIC REGIONS;MAPS;PETROLOGY;HOT SPRINGS;STRATIGRAPHY

1487 EPIDOTE IN HOT-SPRING SYSTEMS, AND DEPTH OF FORMATION OF PROPYLITIC EPIDOTE IN EPITHERMAL ORE DEPOSITS. White, D.E.; Sigvaldson, G.E. pp 80-4 of US Geological Survey Professional Paper 450-E. Washington, DC; US Geol. Surv. (1963).
USSR;NEW ZEALAND;ICELAND;GEOLOGIC DEPOSITS; HOT SPRINGS;METAMORPHIC ROCKS;MINERALS;ORES; EPIDOTES

1488 EPIDOTE AND RELATED MINERALS IN TWO DEEP GEOTHERMAL DRILL HOLES, REYKJAVIK AND HVERAGERDI, ICELAND. Sigvaldson, G.E. pp 77-9 of US Geological Survey Professional Paper 450-E. Washington, DC; US Geol. Surv. (1963).
BOREHOLES;ICELAND;HYDROTHERMAL ALTERATION; BASALT;CALCITE;ZEOLITES;METAMORPHIC ROCKS; MINERALS;GEOLOGIC DEPOSITS;EPIDOTES;GEOLOGICAL SURVEYS

1489 THERMAL ACTIVITY AT WAIOTAPU. Lloyd, E.F. pp 42-9 of Waiotapu geothermal field. New Zealand; New Zealand Dept. Sci. Indust. Res. (Bull. 155) (1963).
Total heat output 4.825 Kcal/sec. NEW ZEALAND;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;AQUIFERS;WAIOTAPU GEOTHERMAL FIELD; HYDROLOGY

1490 UTILIZATION OF THERMAL WATERS AND STEAM OF THE KURILE-KAMCHATKA ISLAND ARC FOR POWER. Averyev, V.V.; Ivanov, V.V.; Piyp, B.I. Compass; 40: No. 3, 177-81(1963).
PAUZHETSK GEOTHERMAL FIELD;THERMAL WATERS; USES;POWER POTENTIAL;SODIUM CARBONATES; CARBONATES;SODIUM;SULFUR;BOREHOLES;TUFF; CHEMICAL COMPOSITION;SANDSTONES

1491 GEOTHERMAL BRINE WELL, MILE-DEEP DRILL HOLE MAY TAP ORE-BEARING MAGMATIC WATER AND ROCKS UNDERGOING METAMORPHISM. White, D.E.; Anderson, E.T.; Grubbs, D.K. Science; 139: No. 3558, 919-22(1963).
CALIFORNIA;GEOTHERMAL WELLS;THERMAL WATERS; BRINES;CHEMICAL COMPOSITION;MINERALS;ABUNDANCE; METALS;COPPER;SILVER;PRECIPITATION;DEPTH; TEMPERATURE MEASUREMENT;ROCKS;METAMORPHISM; HYDROTHERMAL ALTERATION;MAGMATIC WATER; BOREHOLES

1492 SOILS AND GEOLOGY OF SOME HYDROTHERMAL ERUPTIONS IN THE WAIOTAPU DISTRICT. Cross, D. N. Z. J. Geol. Geophys.; 6: No. 1, 70-87(1963).
NEW ZEALAND;HYDROTHERMAL ALTERATION;ROCKS; LAKES;THERMAL WATERS;FLASHING;SOILS;CHEMICAL ANALYSIS;WAIOTAPU GEOTHERMAL FIELD;GEOLOGY

1493 APPRAISAL OF THE POTENTIALITIES OF GEOTHERMAL RESOURCES IN ICELAND. Bodvarsson, G. Verkfraedingafelag Islands Timarit Arg.; 48: No. 5, 65-71(1963).
Geologic model. ICELAND;GEOTHERMAL RESOURCES; HEAT STORAGE;THERMAL WATERS;BOREHOLES; PERMEABILITY;BASALT;SEDIMENTARY ROCKS;REVIEWS; POWER POTENTIAL;FLOW MODELS

1494 THERMAL WATER PRODUCTION OF HOT SPRINGS AND THE PRECIPITATION. Yuhara, K. Onsen Kagaku; 14: No. 1, 1-8(1963). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;FLUID FLOW;ATMOSPHERIC PRECIPITATIONS;GROUND WATER;FLOW RATE;MAGMATIC WATER;MIXING;SEAWATER

1495 BRIEF NOTES ON THE GEOLOGY OF THE IAMAGAWA SPRINGS. Kondo, C. Onsen Kagaku; 14: No. 2, 38-50(1963). (In Japanese with English abstract).
Average temperature 97.5°C. JAPAN;VOLCANIC REGIONS;HOT SPRINGS;GEOLOGY;THERMAL WATERS; RADIOACTIVITY;SOLFATARAS;ELECTRICAL SURVEYS; TEMPERATURE MEASUREMENT

1496 ATTEMPT AT STATISTICAL TREATMENT OF THE DATA OF GEOTHERMAL OBSERVATIONS IN BOREHOLES OF THE KIRVOY ROG. Muromtseva, Z.G.; Tarkov, A.G.; Liu, S.-T. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 12, 117-22(1963).
USSR;GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;GEOLOGY;BOREHOLES

1497 CONSIDERATIONS ON FLOW, HEAT AND CHEMICAL COMPOSITION OF ITALIAN HOT SPRINGS. Yuhara, K. Ann. Geofis. (Rome); 16: No. 1, 139-56(1963).
HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;FLUID FLOW;ITALY;LARDERELLO GEOTHERMAL FIELD;GEOCHEMISTRY

1498 SOLFATARA AREA AT NAMASKARD. Rillman, F. Geog. Helvetica; 18: No. 1, 90-4(1963). (In German with English summary).
ICELAND;SOLFATARAS;GEOLOGIC FISSURES; FUMAROLES;NATURAL STEAM;GROUND WATER;VOLCANOES; MAGMA;HYDROTHERMAL SYSTEMS;FUMAROLIC FLUIDS

1499 VOLCANIC ACTIVITY OF KAMCHATKA AND SOME OTHER REGIONS OF THE USSR. Rudich, K.N. (ed.). Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Lab. Vulkanol. (1963). 252p.
USSR;VOLCANOES;VOLCANIC REGIONS;VOLCANIC ROCKS;THERMAL WATERS

1500 GEOLOGY AND STRUCTURE OF WAIOTAPU GEOTHERMAL FIELD. Grindley, G.W. pp 10-25 of Waiotapu geothermal field (Bulletin 155). Wellington, New Zealand; New Zealand Dept. Sci. Indust. Res. (1963).
NEW ZEALAND;GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS;THERMAL WATERS;HYDROTHERMAL ALTERATION;GEOLOGIC STRATA;AQUIFERS;WAIOTAPU GEOTHERMAL FIELD;GEOLOGY

1501 NOTE ON THE RELATION OF THE TEMPERATURE OF GROUNDWATER TO THE THICKNESS OF THE SUPERADJACENT BED OF LIGNITE, NEYVLI LIGNITE FIELD, SOUTH ARCOT DISTRICT, MADRAS. Karanth, K.R.; Nageswara Rao, G. Recs. Geol. Surv. India; 92, Pt. 2: 293-8(1953).
LIGNITE;GEOLOGIC DEPOSITS;GROUND WATER; AQUIFERS;ARTESIAN BASINS;TEMPERATURE GRADIENTS; INDIA;GEOLOGY

1502 GEOLOGY OF THE NAIVASHA AREA: EXPLANATION OF DEGREE SHEET 43 S.W. Thompson, A.O.; Dodson, R.G. Report No. 55. Kenya; Kenya Geol. Surv. (1963). 80p.
KENYA;GEYSERS;NATURAL STEAM;GEOLOGY;VOLCANIC REGIONS;VOLCANIC ROCKS;MAPS;PETROLOGY; GEOTHERMAL RESOURCES;STRATIGRAPHY;MINERAL RESOURCES;LITHOLOGY

1503 GEOTHERMAL ENERGY IN TUSCANY. Marinelli, G. Soc. Geol. Belg., Ann.; 85: No. 5-10, 417-438(1963).
ITALY;GEOTHERMAL SYSTEMS;VOLCANIC REGIONS; GEOTHERMAL ENERGY

1504 HYDROGEOTHERMAL SCHEME OF THE SALENTINE PENINSULA. Mongelli, F.; Reina, C. Boll. Geofis. Teor. Appl.; 5: No. 18, 122-126(1963). (English abstract).
ITALY;HYDROLOGY;GEOLOGY;SHORES;TEMPERATURE MEASUREMENT;GROUND WATER;GEOPHYSICAL SURVEYS

1505 GEOLOGICAL STUDY ON MINERAL SPRINGS. Saito, J. Butsuri Tanko; 16: No. 1, 21-26(1963). (In Japanese with English abstracts).

230 hot springs in Hokkaido. JAPAN;HOT SPRINGS;GEOLOGY;MINERAL SPRINGS;GEOCHEMISTRY; IGNEOUS ROCKS;SEDIMENTARY ROCKS

1506 HYDROTHERMAL-GEOLOGIC CHARACTERISTICS OF THE ISLAND OF ISCHIA (NAPLES). Penta, F. Accad. Naz. Lincei Atti, Cl. Sci. Fis., Mat., Nat. Rend.; 34: No. 1, 1(1963).
ITALY;ISLANDS;HYDROLOGY;GEOLOGY;GEOTHERMAL EXPLORATION;GROUND WATER;CHEMICAL PROPERTIES; PHYSICAL PROPERTIES

1507 REGIME OF GEYSERS OF KAMCHATKA. Rayk, A.A. pp 39-95 of Issledovaniye prirody Dal'nego Vostoka. Tallin; Akad. Nauk Estonskoy SSR (1963). (English summary)
USSR;GEYSERS;VARIATIONS

1508 SURVEY OF SURFACE HEAT OUTPUT AT WAIOTAPU. Benseman, R.F.; Fisher, R.G.; Dickinson, D.J. New Zealand Department of Scientific and Industrial Research, Bulletin 155, Chapter 6. Wellington, N.Z.; N.Z. Dept. Sci. Indus. Res. (1963).
WAIOTAPU GEOTHERMAL FIELD;HEAT;ENERGY YIELD

1509 SUMMARY OF STUDIES OF THERMAL WATERS AND VOLCANIC EMANATIONS OF THE PACIFIC REGION, 1920-61. White, D.E. pp 161-9 of Geology and solid earth geophysics of the Pacific basin (Report of Standing Committee on Geology and Geophysics). Pacific Sci. Assoc. (1963).
From 10. Congress of Pacific Science Association; Honolulu (1961).
PACIFIC OCEAN;VOLCANIC REGIONS;THERMAL WATERS;VOLCANOES;BIBLIOGRAPHIES;HOT SPRINGS; USES;MINERAL RESOURCES;WATER RESOURCES;GEOLOGY; GEOCHEMISTRY;ROCKS;HYDROTHERMAL ALTERATION; CHEMICAL REACTIONS;CHEMICAL COMPOSITION;GEYSERS

1510 CONSIDERATION OF THE ORIGIN OF THE HOT WATERS OF TAMAGAWA HOT SPRING, AKITA PREFECTURE. Kondo, C.A. pp 73-82 of Geochemistry of the Tamagawa Hot Springs. Tokyo, Japan; [No Publisher Given] (1963).
JAPAN;HOT SPRINGS;ORIGIN;CHEMICAL COMPOSITION;GEOCHEMISTRY

1511 GEOCHEMICAL STUDIES ON TAMAGAWA HOT SPRING. Iwasaki, I.; Katsura, T.; Tarutani, T.; Ozawa, T.; Yoshida, M.; Iwasaki, B.; Hirayama, M.; Kamada, M. pp 7-72 of Geochemistry of the Tamagawa Hot Springs. Tokyo, Japan; [No Publisher Given] (1963).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ORIGIN;GEOCHEMISTRY

1512 EXISTENCE OF A RECENT QUATERNARY SUBSIDENCE IN THE SUBSOIL OF CLERMONT-FERRAND (PUY DE DOME). Rudel, A. Bull. Soc. Geol. Fr.; 5: No. 4, Ser. 7, 470-1(1963).
FRANCE;VOLCANIC REGIONS;GROUND SUBSIDENCE; HOT SPRINGS;GEOLOGIC FAULTS

1513 GEOLOGY OF LARDERELLO REGION (TUSCANY). CONTRIBUTION TO THE STUDY OF THE GEOTHERMAL BASINS. Cataldi, R.; Stefani, G.; Tongiorgi, M. (Larderello Co., Pisa (Italy)). pp 1-32 of Nuclear geology on geothermal areas symposium, Spoleto, Italy, 9-13 Sep 1973. Pisa, Italy; National Research Council, Nuclear Geol. Lab. (Sep 1963).
From Geothermal Areas Symposium; Spoleto, Italy (9-13 Sep 1973).
40649ONE. LARDERELLO GEOTHERMAL FIELD;ITALY; GEOTHERMAL FIELDS;EXPLORATION;GEOLOGY;HYDROLOGY; METEOROLOGY;NATURAL STEAM;TECTONICS;METEORIC WATER;BOREHOLES

1514 THERMAL WATERS OF WESTERN SIBERIAN ARTESIAN BASIN AND THEIR PRACTICAL UTILIZATION. Bogomyakov, G.P.; Nudner, V.A. Razved. Okhr. Nedr; No. 9, 45-9(Sep 1963).
USSR;THERMAL WATERS;SPACE HEATING;GEOLOGY; ARTESIAN BASINS;USES

1515 GEOTHERMAL CONDITIONS AND THERMAL WATERS OF CENTRAL AND EASTERN CISCAUCASIA. Kissin, I.G. Gidrogeoterm. Usloviya Verkhn. Chastei Zemnoi Kory, Akad. Nauk SSSR, Geol. Inst.; 1964: 125-37(1964).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; EXPLOITATION;GEOLOGIC DEPOSITS;GROUND WATER; HEAT TRANSFER;GEOTHERMAL EXPLORATION;HEAT FLOW

1516 SOME DATA ON SUPERHEATED WATERS AND THEIR DISTRIBUTION IN THE TERRITORY OF THE USSR. Bodoroditskii, K.F. Gidrogeoterm. Usloviya Verkhn. Chastei Zemnoi Kory, Akad. Nauk SSSR, Geol. Inst.; 1964: 18-34(1964).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; NATURAL STEAM;ARTESIAN BASINS;VOLCANIC REGIONS; GEOLOGIC FAULTS;DISTRIBUTION

1517 PROGRESS REPORT OF THE GEOLOGICAL SURVEY FOR THE PERIOD 1959--1962. Williams, C.E.F.; Warden, A.J. Unknown; New Hebrides Condominium Geol. Surv. (1964). 75p.
PACIFIC OCEAN;NEW HEBRIDES ISLANDS; GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS; VOLCANIC REGIONS;GEYSERS;HOT SPRINGS;VOLCANOES; SOLFATARAS;GEOLOGICAL SURVEYS

1518 HYDROGEOLOGICAL INVESTIGATIONS OF THE THERMO-MINERAL WATERS OF BULGARIA. Mundrov, D. Zavod Geol., Geofiz. Istrazivanja Vestnik, Bull. Engr. Geol. Hydrogeol.; No. 2(1962), Ser. B, 33-8(1964).
BULGARIA;THERMAL WATERS;GEOLOGY;HYDROLOGY; GEOTHERMAL EXPLORATION;CHEMICAL COMPOSITION; MINERALOGY;SODIUM COMPOUNDS;FLUORINE;RADON; SPACE HEATING;GEOLOGIC FAULTS;HOT SPRINGS

1519 SPRINGS OF THE APUAN ALPS AND SOURCE OF HOT MINERAL SPRINGS. Masini, R. Italy Serv. Geol. Boll.; 85: 95-125(1964). (English summary).
ITALY;ALPS;HOT SPRINGS;GEOLOGY;HYDROLOGY; FLOW RATE;TEMPERATURE GRADIENTS;ROCKS;SALINITY; CONNATE WATER

1520 NATURE OF THE GEOTHERMAL FIELD NEAR AVACHA VOLCANO. Polyak, B.G. Dokl. Earth Sci. Sect. (Engl. Transl.); 154: No. 1-6, 6-9(1964).
Kamchatka. USSR;GEOTHERMAL FIELDS;GEOTHERMAL GRADIENTS;GEOTHERMAL RESOURCES;VOLCANOES;MAGMA

1521 GEOTHERMAL DRILLHOLES - CHEMICAL INVESTIGATIONS. Ellis, A.J. pp 208-18 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;NEW ZEALAND; HYDROLOGY;BOREHOLES;NATURAL STEAM;THERMAL WATERS;CHEMICAL COMPOSITION;GEOTHERMAL WELLS; GEOCHEMICAL SURVEYS;WAIOTAPU GEOTHERMAL FIELD; KAWERAU GEOTHERMAL FIELD

1522 PHYSICAL CHARACTERISTICS OF NATURAL HEAT RESOURCES IN ICELAND . Bodvarsson, G. pp 82-90 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
Hot spring areas with 150°C or less and high-temperature areas of 200°C or more. ICELAND; GEOTHERMAL FIELDS;SEISMIC SURVEYS;HOT SPRINGS; STEAM;BASALT;VOLCANIC REGIONS;GEOTHERMAL EXPLORATION;HEAT FLOW;GEOLOGY

1523 GEOLOGY AND GEOTHERMAL ENERGY IN THE TAUPO VOLCANIC ZONE, NEW ZEALAND. Healy, J. pp 250-8 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
NEW ZEALAND;WAIOTAPU GEOTHERMAL FIELD; KAWERAU GEOTHERMAL FIELD;GEOLOGY;HOT SPRINGS; GEOTHERMAL ENERGY;GEOTHERMAL WELLS;HOT SPRINGS; VOLCANIC REGIONS;WAIRAKEI GEOTHERMAL FIELD; HYDROTHERMAL SYSTEMS;TEMPERATURE MEASUREMENT; DEPTH;TEMPERATURE DISTRIBUTION;GEOTHERMAL RESOURCES;GEOLOGIC FAULTS

1524 THERMAL ANOMALIES AND GEOTHERMAL FIELDS RELATED TO RECENT PLUTONISM IN TUSCANY. Marinelli, G. pp 288-91 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;GEOLOGY;GEOLOGIC STRATA;TECTONICS; GROUND SUBSIDENCE;GEOLOGIC FAULTS;PLUTONIUM; GEOLOGIC DEPOSITS;GEOTHERMAL FIELDS;ROCKS

1525 NATURAL HYDROTHERMAL SYSTEMS AND EXPERIMENTAL HOT-WATER/ROCK INTERACTIONS, PT. 1. Ellis, A.J.; Mahon, W.A.J. Geochim. Cosmochim. Acta; 28: 1323-57(1964).
NEW ZEALAND;GEOTHERMAL FIELDS;THERMAL WATERS; CHEMICAL COMPOSITION;VOLCANIC ROCKS;GRAYWACKE; HYDROTHERMAL ALTERATION;CHEMICAL REACTIONS; HYDROTHERMAL SYSTEMS;GEOCHEMISTRY;CHLORINE; BROMINE;FLUORINE;ARSENIC;AMMONIA;SILICON OXIDES; CHEMICAL REACTION KINETICS

1526 HYDROGEOLOGICAL SYSTEMATIZATION OF THERMO-MINERAL WATERS. Durovic, R. Bull., Eng. Geol. Hydrogeol. (Engl. Transl.); No. 3 (1963), 5-67(1964).
YUGOSLAVIA;BULGARIA;THERMAL WATERS;MINERALS; CHEMICAL COMPOSITION;HYDROLOGY

1527 TEMPERATURE CONDITIONS OF THE MESOZOIC FORMATIONS OF THE NORTH CAUCASUS AND CISCAUCASIA. Vlasova, S.P.; Taranukha, Yu.K. Izv. Vyssh. Uchebn. Zaved., Neft Gaz; No. 7, 9-12(1964).
USSR;GEOLOGIC DEPOSITS;SEDIMENTARY ROCKS; GROUND WATER;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS;TEMPERATURE DISTRIBUTION

1528 TERRESTRIAL HEAT FLOW IN THE CARPATHIANS. Boldizsar, T. J. Geophys. Res.; 69: No. 24, 5269-75(1964).
HUNGARY;HEAT FLOW;BOREHOLES;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS

1529 GEOTHERMAL CONDITIONS IN KRIVOI ROG BASIN. Duganov, G.V.; Baratov, E.I. Izv. Vyssh. Uchebn. Zaved., Gorn. Zh.; No. 1, 7-12(1964).
USSR;TEMPERATURE DISTRIBUTION;GEOTHERMAL GRADIENTS;GEOLOGY;ROCKS;GROUND WATER; TEMPERATURE MEASUREMENT

1530 THERMAL WATERS OF URALS. Kovalev, V.P. Izv. Vyssh. Uchebn. Zaved., Gorn. Zh.; No. 1, 3-6(1964).
USSR;THERMAL WATERS;GEOTHERMAL GRADIENTS; USES;GROUND WATER;ZONES

1531 GEOTHERMAL FEATURES OF THE PLIOCENE FORMATIONS OF EASTERN CISCAUCASIA. Nikanorov, A.M.; Vlasova, S.P. Izv. Vyssh. Uchebn. Zaved., Neft Gaz; No. 9, 23-26(1964).
USSR;GEOLOGY;LITHOLOGY;GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT;ROCKS;THERMAL CONDUCTIVITY;RIVERS; GROUND WATER;COOLING

1532 GEOLOGY OF NEW ZEALAND GEOTHERMAL STEAM FIELDS. Grindley, G.W. pp 237-45 of United Nations Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964).
NEW ZEALAND;GEOTHERMAL FIELDS;VOLCANIC REGIONS;GEOLOGIC FAULTS;GROUND SUBSIDENCE; AQUIFERS;PUMICE;GEOLOGY;NATURAL STEAM

1533 PROBLEM OF USING THERMAL WATERS IN OIL AND NATURAL GAS FIELDS OF CAUCASUS. Sukharev, G.M. Izv. Vyssh. Uchebn. Zaved., Neft Gaz; No. 4, 17-18(1964).
USSR;THERMAL WATERS;TEMPERATURE MEASUREMENT; BOREHOLES;HEAT;ENERGY YIELD

1534 BASIC DIFFERENCE IN UNDERGROUND TEMPERATURE CONDITIONS IN EUROPEAN PART AND ADJACENT REGIONS OF ASIATIC SOVIET UNION. Tamrazyan, G.P. Dokl. Akad. Nauk SSSR; 157: No. 2, 337-40(1964).
USSR;GEOLOGY;VARIATIONS;DEPTH;GEOTHERMAL GRADIENTS

1535 PAUZHETSK HOT SPRINGS OF KAMCHATKA AS AN EXAMPLE OF A HIGH-TEMPERATURE ARTESIAN SYSTEM. Sugrobov, V.M. pp 72-86 of Gidrogeotermicheskiye usloviya verkhnikh chasty zemnoy kory. Akad. Nauk SSSR Geol. Inst. (1964).
PAUZHETSK GEOTHERMAL FIELD;HOT SPRINGS; ARTESIAN BASINS;GEOLOGY

1536 OLD VOLCANO IN SOUTHEASTERN KAMCHATKA WITH RECENT HYDROTHERMAL MANIFESTATIONS. Aprelkov, S.Ye.; Sheymovich, V.S. Vulkanol. Sta. Byull. Akad. Nauk SSSR, Sibir. Otdel.; No. 36, 60-5(1964).
USSR;VOLCANOES;FUMAROLES;HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT;FLOW RATE

1537 FLOW OF THERMAL WATER AT ONOGAWA HOT SPRINGS AREA, YAMAGATA PREFECTURE. Tokairin, T.; Sakurai, M.; Suzuki, I.; Hattori, Y.; Hosoya, N.; Sato, K.; Kanroji, Y. Onsen Kagaku; 14: No. 3-4, 114-30(1964). (In Japanese with English abstract).
JAPAN;GEOTHERMAL WELLS;THERMAL WATERS;FLOW RATE;GROUND WATER;CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE;RADON;CARBONATES; HYDROGEN SULFIDES;SODIUM CHLORIDES;ABUNDANCE; TEMPERATURE MEASUREMENT;LEVELS

1538 RELATIONSHIPS OF GEOTHERMAL GRADIENTS TO GEOLOGICAL FEATURES IN THE GREAT ARTESIAN BASIN, AUSTRALIA. Heyl, G.R.; Thomas, N.M. pp 137-45 of International Geological Congress, 22nd, India, 1964, Proceedings, Sec. 2; Geological results of applied geophysics. India; Int. Geol. Cong. Organising Comm. (1964).
AUSTRALIA;ARTESIAN BASINS;BOREHOLES; GEOTHERMAL GRADIENTS;GEOLOGIC STRATA;GEOLOGY

1539 PROSPECTING. Baker, B.H. Kenya Mines Geol. Dept. Ann. Rpt.; 1963: 7-8(1964).
KENYA;VOLCANIC REGIONS;GEOLOGIC FAULTS; GEOTHERMAL GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT;MAGNETIC SURVEYS;ELECTROMAGNETIC SURVEYS;LAVA;CLAYS;MANGANESE;HYDROTHERMAL ALTERATION

1540 HOT SPRINGS OF THE KURILE ISLANDS. Markhinin, Ye.K.; Stratula, D.S. pp 185-91 of Sovremennyy Vulkanizm. Yerevan; Vses. Vulkanol. Soveshchaniya, 2nd, Trudy, Volume 1 (1964).
USSR;ISLANDS;HOT SPRINGS;VOLCANIC REGIONS; GEOLOGIC FAULTS;THERMAL WATERS;CHEMICAL COMPOSITION;TECTONICS;GEOLOGY

1541 PHOTOGEOLOGY APPLIED TO NATURAL STEAM EXPLORATION. Marchesini, E. pp 279-87 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
NATURAL STEAM;GEOLOGICAL SURVEYS;GEOTHERMAL EXPLORATION;ITALY;MAPS;DRILLING;GEOLOGIC FAULTS; GEOTHERMAL FIELDS; PHOTOGRAPHY;MEASURING METHODS

1542 NALCHIK ARTESIAN BASIN AND POSSIBILIES OF USING ITS THERMAL WATERS. Ovchinnikova, L.K. pp 138-41 of Gidrogeotermicheskiye Usloviya Verkhnikh Chastey Zemnoy Kory. Akad. Nauk SSSR Geol. Inst. (1964).
USSR;ARTESIAN BASINS;THERMAL WATERS; GEOTHERMAL EXPLORATION;HYDROTHERMAL SYSTEMS; EXPLOITATION;AQUIFERS;HYDROLOGY;GEOLOGY

1543 GEOTHERMAL FEATURES OF MESOZOIC-CENOZOIC SEDIMENTS IN EASTERN CIS-CAUCASIA. Vlasova, S.P.; Sukharev, G.M.; Taranukha, Yu.K. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 2, 3-12(Feb 1964).
GEOTHERMAL GRADIENTS;BOREHOLES;STRATIGRAPHY; LITHOLOGY;GEOLOGY;USSR;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS

1544 OCEAN-FLOOR HEAT-FLOW MEASUREMENTS WEST OF UNITED STATES AND BAJA CALIFORNIA. Von Herzen, R.P. Mar. Geol.; 1: No. 3, 225-39(May 1964).
PACIFIC OCEAN;EARTH CRUST;USA;MEXICO;HEAT FLOW;GEOLOGIC STRATA

1545 THERMAL SPRINGS IN THE REPUBLIC OF MEXICO. de Anda, L.F.; Mooser, F. Asociacion Mexicana de Geologos Petrologos - Boletin; 16: No. 7-8, 145-51(Jul-Aug 1964).
MEXICO;HOT SPRINGS;GEOLOGIC STRATA;VOLCANOES; TEMPERATURE MEASUREMENT

1546 GEOTHERMAL PROVINCES OF MEXICO. Mooser, F. Asociacion Mexicana de Geologos Petroleros - Boletin; 16: No. 7-8, 153-61(Jul-Aug 1964).
MEXICO;GEOTHERMAL FIELDS;VOLCANOES;HOT SPRINGS;DISTRIBUTION

1547 MAPPING AND EXPLORATION OF AREAS WITH THERMAL WATERS AND STEAMING HYDROTHERMAL WATERS. Fomin, V.M.; Mavrtitskii, B.F.; Makarenko, F.A. Razved. Okhr. Nedr; No. 7, 38-42(Jul 1964).
USSR;THERMAL WATERS;HYDROTHERMAL SYSTEMS; MAPS;USES;MINERALS;RECOVERY

1548 INVESTIGATION OF RESOURCES OF NATURAL STEAM AT TATIO. Vergara, R. Rev. Chil. Ing.; No. 308, 14-19(Nov-Dec 1964).
CHILE;FUMAROLES;GEYSERS;HOT SPRINGS;USES; NATURAL STEAM;THERMAL WATERS

1549 NEW HEAT-FLOW MEASUREMENTS IN CARIBBEAN AND WESTERN ATLANTIC. Langseth, M.G.; Grim, P.J. J. Geophys. Res.; 69: No. 22, 4916-17(15 Nov 1964).
ATLANTIC OCEAN;CARIBBEAN SEA;HEAT FLOW; MEASURING METHODS

1550 GEOTHERMAL ENERGY IN EL SALVADOR, CENTRAL AMERICA. Alonso Espinosa, H. Soc. Geol. Mexicana Bol.; 28: No. 2, 83-94(1965).
EL SALVADOR;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;GEOCHEMISTRY;GEOLOGY;TECTONICS

1551 THERMAL SPRINGS OF PAKISTAN. Bakr, M.A. Pakistan Geol. Surv. Rec.; 16, Pt. 3: 4p.(1965).
PAKISTAN;THERMAL WATERS;GEOTHERMAL RESOURCES; HOT SPRINGS

1552 GEOELECTRIC PROSPECTING AT THE POZZUOLI SOLFATARA. Vittozzi, P.; Rapolla, A. pp 77-95 of Proceedings of 14th Assoc. Geofisica Italiana Convegno Ann., Rome, 1965. Assoc. Geofisica Italiana (1965).
ITALY;SOLFATARAS;ELECTRICAL SURVEYS;VOLCANIC REGIONS;FUMAROLES;ELECTRIC CONDUCTIVITY

1553 NOTE ON MT. EREBUS, ROSS ISLAND, ANTARCTICA. Beck, A.C. N. Z. J. Geol. Geophys.; 8: No. 2, 180-5(1965).
ANTARCTICA;VOLCANOES;LAVA;NATURAL STEAM

1554 HOT SALTY WATER AT THE BOTTOM OF THE RED SEA. Swallow, J.C.; Crease, J. Nature (London); 205: No. 4967, 165-6(1965).
RED SEA;THERMAL WATERS;BRINES;TEMPERATURE MEASUREMENT;SALINITY;DEPTH

1555 THERMODYNAMICAL PROPERTIES OF NATURAL STEAMS AND HYDROTHERMAL STRUCTURE OF BEPPU GEOTHERMAL AREA. Yuhara, K.; Tomosada, A. Kyoto Univ. Geophys. Inst., Spec. Contr.; No. 5, 33-44(1965).
JAPAN;THERMAL WATERS;NATURAL STEAM; THERMODYNAMIC PROPERTIES;GEOTHERMAL FIELDS; HYDROTHERMAL SYSTEMS

1556 UPPER MANTLE BENEATH ICELAND. Bott, M.H.P. Royal Astron. Soc. Geophys. J.; 9: No. 2-3, 275-7(1965).
ICELAND;GEOLOGY;EARTH CRUST;THICKNESS; GRAVITATIONAL FIELDS;SEISMIC SURVEYS

1557 THERMAL SPRING IN CO. KILDARE. Davies, G.L.; De C.Hill, W.M. Irish Naturalists' J.; 15: No. 3, 73-4(1965).
IRELAND;THERMAL WATERS;HOT SPRINGS;LIMESTONE; GEOLOGY

1558 GEOLOGY, STRUCTURE, AND EXPLOITATION OF THE WAIRAKEI GEOTHERMAL FIELD, TAUPO, NEW ZEALAND. Grindley, G.W. New Zealand Geol. Surv. Bull.; No. 75, 131p.(1965).
WAIRAKEI GEOTHERMAL FIELD;GEOLOGICAL SURVEYS; TEMPERATURE GRADIENTS;NATURAL STEAM;PRESSURE GRADIENTS;AQUIFERS;PETROLOGY;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT

1559 FOSSIL GEOTHERMAL FIELDS IN ICELAND. Walker, G.P.L. New Zealand; New Zealand; Internatl. Assoc. Volcanol. (1965). 184p.
ICELAND;GEOTHERMAL FIELDS;VOLCANIC ROCKS; HYDROTHERMAL ALTERATION

1560 GEOLOGY OF THE WAIRAKEI GEOTHERMAL FIELD. Healy, J. pp 218 1-218 12 of New Zealand Commonwealth Min. Met. Congress, 8th Meeting, Wellington, 1965, Proceedings, Otago Univ., School of Min. Met. Dunedin; Otago Univ., Sch. of Min. Met. (1965).
From 8. Meeting of New Zealand Commonwealth Min. Met. Congress; Wellington (1965).
Aquifer temperature up to 266°C. WAIRAKEI GEOTHERMAL FIELD;GEOLOGY;NATURAL STEAM;AQUIFERS; METEORIC WATER;ROCKS

1561 HOT BRINES AND RECENT IRON DEPOSITS IN DEEPS OF THE RED SEA. Miller, A.R. US Geological Survey Open File Report No. 814. Washington, DC; United States of America (USA); US Geol. Surv. (1965). 39p.
RED SEA;THERMAL WATERS;DEPOSITS;IRON;SILICON OXIDES;METALS;MINERAL RESOURCES;BRINES

1562 VOLCANOES. Menyaylov, A.A. Moscow; Izdatel'stvo 'Znaniye' (1965). 95p.
Book; world distribution; harnessing and utilization of earth's internal heat. VOLCANOES; GEOTHERMAL ENERGY;USES;REVIEWS

1563 HYDROGEN AND OXYGEN ISOTOPE RATIOS IN THE WATERS OF THE NGAWHA GEOTHERMAL REGION, NORTH AUCKLAND, NEW ZEALAND. McDonald, D.C. pp 107 of International Symposium Volcanol., New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
GEOTHERMAL FIELDS;NEW ZEALAND;THERMAL WATERS; CHEMICAL COMPOSITION;EVAPORATION;ISOTOPE RATIO; HYDROGEN ISOTOPES;OXYGEN ISOTOPES;GEOCHEMICAL SURVEYS

1564 MAIN TYPES OF GEOTHERMAL DEPOSITS IN THE KURILE--KAMCHATKA VOLCANIC ZONE. Ivanov, V.V. pp 36-87 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
USSR;VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS; GEOTHERMAL RESOURCES;MAGMA;NATURAL STEAM; THERMAL WATERS

1565 GEOLOGICAL STRUCTURE OF HYDROTHERMAL FIELDS IN THE TAUPO VOLCANIC ZONE, NEW ZEALAND. Grindley, G.W. pp 71-2 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
WAIRAKEI GEOTHERMAL FIELD;GEOLOGY;AQUIFERS; CAP ROCK;GEOLOGIC FAULTS;VOLCANIC ROCKS; BOREHOLES;STRATIGRAPHY

1566 PETROLOGICAL STUDY ON THE GEOTHERMAL AREAS IN HOKKAIDO, JAPAN. Ishikawa, T. pp 84-5 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
JAPAN;FUMAROLES;HOT SPRINGS;CHLORIDES; HYDROTHERMAL SYSTEMS;VOLCANIC REGIONS;LAVA;HEAT; ENERGY YIELD;PETROLOGY;GEOTHERMAL FIELDS

1567 VOLCANIC HYDROTHERMAL AREAS, AND THE INTERPRETATION OF THERMAL WATER COMPOSITIONS. Ellis, A. pp 52-3 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
NEW ZEALAND;HYDROTHERMAL SYSTEMS;METEORIC WATER;SAMPLING;THERMAL WATERS;CHEMICAL COMPOSITION;BOREHOLES;DRILL CORES;HYDROTHERMAL ALTERATION;VOLCANIC REGIONS

1568 HEAT FLOW IN THE UKRANIAN SHIELD IN RELATION TO RECENT TECTONIC MOVEMENTS, DISCUSSION. Lyubimova, E.A. J. Geophys. Res.; 70: No. 10, 2466-7(1965).
UKRAINIAN SSR;HEAT FLOW;TECTONICS

1569 EXPLORATION OF OTAKE STEAM FIELD. Noguchi, T. pp 126 of International Symposium Volcanol., New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
OTAKE GEOTHERMAL FIELD;GEOLOGICAL SURVEYS; DATA;GEOLOGIC STRATA;GEOLOGY;HORNBLENDE

1570 CONNATE ORIGIN PROPOSED FOR HOT SALTY BOTTOM WATER FROM A RED SEA BASIN. Neumann, A.C.; Chave, K.E. Nature (London); 206: No. 4991, 1346-7(1965).
RED SEA;THERMAL WATERS;CARBONATES; SEDIMENTARY ROCKS;ORIGIN;BRINES

1571 RECENT STATE OF THE TOTTORI HOT SPRINGS. Miyata, T. Onsen Kagaku; 16: No. 1, 8-17(1965). (In Japanese with English summary).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;FLOW RATE;EXPLOITATION;TEMPERATURE MEASUREMENT;GEOTHERMAL WELLS;GEOTHERMAL FLUIDS; PERFORMANCE

1572 AVAILABILITY OF GROUND WATER IN THE CHAD BASIN OF BORNU AND DIKWA EMIRATES, NORTHERN NIGERIA. DESCRIPTION FOR THE GENERAL READER. Miller, R.E. Washington, DC; United States of America (USA); US Geol. Surv.-Nigerian Geol. Surv. (1965). 48p.
NIGERIA;GROUND WATER;LAKES;SEDIMENTS;SAND; CLAYS;ARTESIAN BASINS;AQUIFERS;THERMAL WATERS

1573 STATUS OF RIFT VALLEY STUDIES IN UGANDA. MacDonald, R. pp 53-82 of Report on the geology and geophysics of the east African rift system. East Africa Comm. Coop. Geophys. (1965).
UGANDA;GEOLOGIC FAULTS;PETROLOGY;VOLCANOES; GEOTHERMAL EXPLORATION;NATURAL STEAM;GRAVITY SURVEYS;TECTONICS

1574 GEOLOGY, STRUCTURE, AND EXPLOITATION OF THE WAIRAKEI GEOTHERMAL FIELD, TAUPO, NEW ZEALAND. Grindley, G.W. N. Z., Geol. Surv., Bull.; No. 75, 131(1965).
WAIRAKEI GEOTHERMAL FIELD;EXPLOITATION; GEOLOGY;MAPS;GEOTHERMAL ENERGY

1575 GEOLOGY OF THE WAIRAKEI GEOTHERMAL FIELD. Healy, J. Commonwealth Mining Met. Congr., 8th, Publ. Vol. 7, Proc., Paper No. 218. Wairakei; New Zealand; Commonwealth Mining Met. Congr., 8th Publ. Vol. 7, Proc., Paper No. 218 (1965). 13p.
WAIRAKEI GEOTHERMAL FIELD;HEAT FLOW;GEOLOGY; NEW ZEALAND

1576 THERMAL AND SUPERHEATED WATER. Makarenko, F.A.; Mavritskiy, B.F. Sov. Geol.; 7: No. 8, 1387-1396(1965).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; GROUND WATER;HOT SPRINGS;HYDROLOGY;GEOLOGY

1577 HEAT FLOW AT DEPTH IN THE KOLKHIDA PLAIN. Makarenko, F.A.; Chikhradze, Sh.G. Dokl. Earth Sci. Sect. (Engl. Transl.); 160: No. 1-6, 50-2(1965).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW;ROCKS; THERMAL CONDUCTIVITY;CORRELATIONS;DENSITY

1578 THERMAL POWER OF THE INTERPAROXYSMAL STAGE OF ACTIVITY OF MUTNOV VOLCANO. Polyak, V.G. Dokl. Akad. Nauk SSSR; 162: No. 3, 643-6(1965).
USSR;VOLCANOES;FUMAROLIC FLUIDS;ENERGY YIELD

1579 SOME NEW DATA ON GEOTHERMAL CHARACTERISTICS AND THERMAL PHYSICAL PROPERTIES OF PRECAMBRIAN TO PALEOZOIC AND MESOZOIC-CENOZOIC SEDIMENTS OF GREATER CAUCASUS AND CIS-CAUCASIA. Sukharev, G.M.; Vlasova, S.P.; Taranukha, Yu.K. Dokl. Akad. Nauk SSSR; 161: No. 1, 203-4(1965).
USSR;GEOTHERMAL GRADIENTS;HEAT FLOW;ROCKS; HEAT;ENERGY YIELD;THERMAL CONDUCTIVITY

1580 SEISMIC WAVE VELOCITY MEASUREMENTS IN SPECIMENS OBTAINED FROM MATSUKAWA GEOTHERMAL AREA, JAPAN. PART 2. (IN INDIVIDUAL STUDIES BY PARTICIPANTS). Ozcicek, B.; Hayakawa, M.; Inami, K.; Baba, K. Int. Inst. Seismol. Earthquake Engr.; 2, Pt. 1: 69-76(1965).
MATSUKAWA GEOTHERMAL FIELD;IGNEOUS ROCKS; SEDIMENTARY ROCKS;ELASTICITY;DATA;DENSITY; POROSITY;SEISMIC WAVES;WAVE PROPAGATION;SEISMIC SURVEYS;RELIABILITY;GEOTHERMAL EXPLORATION; MAGNETIC SURVEYS;GRAVITY SURVEYS;ELECTRICAL SURVEYS

1581 GEOLOGICAL STRUCTURE OF HYDROTHERMAL SYSTEM ON KAMCHATKA. Belousov, V.I. pp 15-16 of Interational Symposium on Volcanology, New Zealand. Wellington, N.Z.; Int. Symp. Volcanol. (1965).
USSR;GEOTHERMAL FIELDS;GEOLOGY;EXPLORATION; HYDROTHERMAL SYSTEMS

1582 NEW ZEALAND VOLCANOLOGY: CENTRAL VOLCANIC REGION. Thompson, B.N.; Kermode, L.O.; Ewart, A. (comp., ed.). New Zealand Department of Scientific and Industrial Research, Info. Ser. 50, Geol. Survey Handbook. Wellington, N.Z.; New Zealand; N.Z. Dept. Sci. Indust. Res. (1965). 211p.
NEW ZEALAND;VOLCANIC REGIONS;GEOLOGY; GEOTHERMAL ENERGY;WAIRAKEI GEOTHERMAL FIELD; WAIOTAPU GEOTHERMAL FIELD;GEOTHERMAL RESOURCES

1583 EFFECT OF EXPERIMENTAL EXPLOITATION OF THE PAUZHETS DEPOSIT ON SURFACE THERMAL MANIFASTATIONS AND REGIME OF THE BOILING SPRINGS. Sugrobov, V.M. Akad. Nauk SSSR, Sibirskoye Otdeleniye, Vulkanol. Sta. Byull.; No. 39, 47-58(1965).
PAUZHETSK GEOTHERMAL FIELD;THERMAL WATERS; FLOW RATE;GEYSERS;HOT SPRINGS;EXPLOITATION

1584 SOME RESULTS OF STUDY OF THE ANOMALOUSNESS OF SECULAR VARIATIONS OF THE GEOMAGNETIC ELEMENTS IN KAMCHATKA. Pudovkin, I.M.; Pavlov, V.S.; Reshtov, B.P.; Tanichev, A.A.; Ryazantsev, G.A. pp 90-100 of Nastoyashcheye i Proshloye Magnitnogo Poly Zemli. Moscow; Akad. Nauk SSSR Inst. Fiz. Zemli (1965).
USSR;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION;VOLCANOES;VOLCANIC REGIONS;MAGNETIC SURVEYS;GEOTHERMAL ENERGY; GEOLOGICAL SURVEYS

1585 GEOTHERMAL CHARACTERISTICS OF EMBA REGION. Dzhangir'yants, D.A. Geol. Nefti Gaza; No. 1, 52-8(Jan 1965).
USSR;GEOTHERMAL FIELDS;BOREHOLES;GEOTHERMAL GRADIENTS

1586 GEOTHERMAL CONDITIONS IN LEAD ZINC DEPOSIT OF SADON (NORTHERN CAUCASUS). Turiev, T.S.; Pleshivtsev, A.S.; Gorbunov, L.V. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 2, 123-31(Feb 1965).
USSR;TEMPERATURE DISTRIBUTION;THERMAL CONDUCTIVITY;LEAD;ZINC ORES;POLYMETALLIC ORES; GEOLOGIC DEPOSITS;OXIDATION

1587 PYRITE DEPOSIT IN QUARTERNARY VOLCANIC ROCKS OF THE MENDELEYEV VOLCANO, KUNASHIR ISLAND. Loginov, V.P.; Rusinov, V.L. Dokl. Earth Sci. Sect. (Engl. Transl.); 162: No. 1-6, 160-2(May-Jun 1965).
USSR;ISLANDS;VOLCANIC REGIONS;VOLCANIC ROCKS; GEOLOGIC DEPOSITS;PYRITES;HYDROTHERMAL ALTERATION;MINERAL RESOURCES

1588 DISORDERED HYDROTHERMAL ALBITE AND ITS PETROLOGIC IMPLICATION. Rusinov, V.L. Dokl. Earth Sci. Sect. (Engl. Transl.); 164: No. 1-6, 149-51(Sep-Oct 1965).
USSR;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; HOT SPRINGS;TUFF;PAUZHETSK GEOTHERMAL FIELD; BASALT;FELDSPARS;PETROLOGY

1589 EFFECTS OF PRE-PALEOZOIC BASEMENT ON THERMAL STATE OF SEDIMENTARY ROCKS IN WEST SIBERIAN LOWLAND. Cheremenskii, G.A. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 10, 51-6(Oct 1965).
USSR;GEOLOGY;GEOLOGIC STRATA;GEOTHERMAL FIELDS;HEAT FLOW;SEDIMENTARY ROCKS;GEOTHERMAL GRADIENTS

1590 THERMAL FIELDS OF THE BOL'SHOYE SEMLYACHIK VOLCANIC MASSIF. Averyev, V.V.; Vakin, Ye.A. Akad. Nauk SSSR, Siber. Otdel., Vulkanol. Sta. Byull.; No. 42, 3-16(1966).
USSR;HYDROTHERMAL SYSTEMS;CHEMICAL COMPOSITION;GEOLOGY;NATURAL STEAM;GEOTHERMAL RESOURCES;POWER POTENTIAL;THERMAL WATERS;HEAT; ENERGY YIELD;GEOTHERMAL FIELDS

1591 GEOCHEMICAL STUDY ON HOT SPRINGS IN NOBORIBETSU. Nishimura, M. Balneol. Soc. Jap. J.; 16: No. 2, 60-4(1966). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;CHEMICAL COMPOSITION;PH VALUE;SALTS;METEORIC WATER; THERMAL WATERS

1592 GEOLOGICAL STUDY ON HOT SPRINGS IN NOBORIBETSU. Ishikawa, T. Balneol. Soc. Jap. J.; 16: No. 2, 29-50(1966). (In Japanese).
JAPAN;HOT SPRINGS;VOLCANIC REGIONS;THERMAL WATERS;FLOW RATE;PH VALUE;TEMPERATURE GRADIENTS; GEOLOGICAL SURVEYS

1593 GEOTHERMAL INDEXES OF THE BUKHARA--KARSHI ARTESIAN BASIN. Khasanov, A.S.; Grebenshchikova, T.B.; Kurbanov, S.Ya. Uzb. Geol. Zh.; No. 5, 59-63(1966).
USSR;ARTESIAN BASINS;GEOLOGY;HYDROLOGY; TEMPERATURE DISTRIBUTION;THERMAL WATERS;ROCKS

1594 EXPLORATION OF OTAKE STEAM FIELD. Noguchi, T. Bull. Volcanol.; 29: 529-543(1966).
OTAKE GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS; FUMAROLES;ELECTRICAL SURVEYS;MAGNETIC SURVEYS; GRAVITY SURVEYS;RADIOACTIVITY;HYDROTHERMAL ALTERATION;GEOLOGIC FISSURES;ROCKS;ZONES

1595 SYSTEMATIC DESCRIPTION OF THE HYDROTHERMAL MANIFESTATIONS OF EBEKO AND VLODAVETS VOLCANOES ON THE BASIS OF THEIR CONDITION IN 1959-60. Markhinnin, Ye.K.; Sidorov, S.S. Akad. Nauk SSSR, Siber. Otdel., Sakhalin. Kompleks., Nauchno-Issled. Inst. Tr.; No. 16, 135-47(1966).
USSR;VOLCANIC REGIONS;SOLFATARAS;THERMAL WATERS

1596 HYDROTHERMAL ACTIVITY OF GOLOVNINA CALDERA (KUNASHIR ISLAND). Sidorov, S.S. Akad. Nauk SSSR, Siber. Otdel., Vulkanol. Sta. Byull.; No. 42, 22-9(1966).
USSR;FUMAROLES;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;HYDROTHERMAL SYSTEMS

1597 GEOPHYSICAL STUDIES CARRIED OUT AT OTAKE THERMAL FIELD. Noguchi, T. Butsuri Tanko; 19: No. 6, 230-41(1966). (In Japanese with English abstract).
Andesites. OTAKE GEOTHERMAL FIELD;JAPAN; GEOPHYSICAL SURVEYS;BOREHOLES;HYDROTHERMAL ALTERATION;VOLCANIC ROCKS;GEOTHERMAL WELLS; GEOLOGIC FISSURES

1598 PRELIMINARY THEORY OF THE WAIRAKEI GEOTHERMAL FIELD. Marshall, D.C. N. Z. J. Sci.; 9: No. 3, 651-73(1966).
WAIRAKEI GEOTHERMAL FIELD;HYDROLOGY;PRESSURE DROP;HYDROTHERMAL ALTERATION;HEAT FLOW;FLUID FLOW

1599 GEOCHEMISTRY OF THE NGAWHA HYDROTHERMAL AREA. Ellis, A.J.; Mahon, W.A.J. N. Z. J. Sci.; 9: No. 2, 440-56(1966).
NEW ZEALAND;HOT SPRINGS;CHEMICAL COMPOSITION; THERMAL WATERS;GEOCHEMISTRY;GEOTHERMAL FIELDS; GEOCHEMICAL SURVEYS

1600 RELATION OF SOME ENDOGENIC AND EXOGENIC FACTORS FORMING THE TOPOGRAPHY OF THE MENDELEYEVA VOLCANO. Kalishevich, O.K.; Nikol'skaya, V.V. Moskov. Obshch. Isp. Prirody Byull., Otdel. Geol.; 41: No. 1, 157-9(1966).
USSR;VOLCANOES;GLACIERS;FUMAROLES;GEOLOGY

1601 ENERGY AND GEOLOGY OF ENERGY SOURCES. Ippolito, F. Univ. Naples 1st Geol. Appl., Mem. Note; 9: No. 6, 23p.(1966).
GEOLOGY;GEOTHERMAL ENERGY;PETROLEUM;COAL; HYDROELECTRIC POWER;GEOMORPHOLOGY;FISSIONABLE MATERIALS;ENERGY SOURCES

1602 BABY BASIN. Lendvai, K. Geofiz. Kozl.; 15: No. 1-4, 69-76(1966).
HUNGARY;GEOTHERMAL EXPLORATION;SEDIMENTARY ROCKS;SEISMIC SURVEYS;DRILLING;HYDROCARBONS; THERMAL WATERS;PROSPECTING

1603 ACID ALTERATION AND THE FORMATION OF HALOTRICHITE AND ALUNOGEN AT THE VOLCANOES AND HOT SPRINGS IN JAPAN. Minami, E.; Ossaka, T.; Ossaka, J. Onsen Kagaku; 17: No. 1, 28-35(1966). (In Japanese with English summary).
JAPAN;FUMAROLES;HOT SPRINGS;ROCKS; HYDROTHERMAL ALTERATION;DISSOLUTION;PH VALUE; MINERALS

1604 CHEMICAL STUDIES ON THE HOT SPRINGS IN SAGA PREFECTURE, THE URESHINO HOT SPRING. Isagai, K. Onsen Kagaku; 16: No. 3-4, 119-28(1966). (In Japanese with English summary).
JAPAN;HOT SPRINGS;FLOW RATE;CHEMICAL COMPOSITION;SEDIMENTARY ROCKS;LITHOLOGY;THERMAL WATERS

1605 YUTANAKA SPA, NAGANO PREFECTURE - AN EXAMPLE OF SPOUTING SPRING. Sato, K. Chishitsu Chosasho Geppo; 72: No. 10, 455-67(1966). (In Japanese with English summary).
JAPAN;BOREHOLES;GEYSERS;THERMAL WATERS; CHEMICAL COMPOSITION;QUARTZ;SODIUM;CHLORINE; CALCIUM;SULFATES;CALCIUM CARBONATES;VOLCANOES

1606 WAIRAKITE IN JAPAN (1). Seki, Y. Jap. Assoc. Miner., Petrol., Econ. Geol. J.; 55: No. 6, 254-61(1966).
JAPAN;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; DRILL CORES;TUFF;FELDSPARS;INCLUSIONS;ZEOLITES; WAIRAKITE;EPIDOTES

1607 WAIRAKITE IN JAPAN (2). Seki, Y. Jap. Assoc. Miner., Petrol., Econ. Geol. J.; 56: No. 1, 30-9(1966).
JAPAN;HYDROTHERMAL ALTERATION;GEOTHERMAL GRADIENTS;MINERALOGY;METAMORPHISM;VOLCANIC ROCKS;PRESSURE DEPENDENCE;STABILITY;MAGMA; WAIRAKITE;METAMORPHIC ROCKS;THERMAL WATERS

1608 THERMAL SPRINGS ON FRISCHGEWAAG 236 NEAR PAULPIETERSBURG, NATAL. Temperly, B.N. S. Afr. Dept. Mines Geol. Surv. Ann.; 3: 139-47(1966).
SOUTH AFRICA;HOT SPRINGS;MINERAL SPRINGS; GEOLOGIC FISSURES;ORIGIN;GRANITES

1609 SOURCE OF THE SALT CONTENT OF THE MINERAL WATERS OF VOGTLAND AND NORTHWEST BOHEMIA, PARTICULARLY THE KARLSBAD MINERAL WATERS. Carle, W. Z. Dtsch. Geol. Ges.; 115: No. 2-3, 425-53(1966).
GERMAN DEMOCRATIC REPUBLIC;CZECHOSLOVAKIA; HOT SPRINGS;MINERAL SPRINGS;TECTONICS;CHEMICAL COMPOSITION;SALTS

1610 SPRINGS IN HUNGARY. Papp, F. Geol.; 15: No. 4-5, 595-605(1966). (Hungarian, English, and Russian summaries).
HUNGARY;GROUND WATER;GEOLOGY;TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION;WATER RESOURCES;HYDROLOGY

1611 HOT BRINES AND RECENT IRON DEPOSITS IN DEEPS OF THE RED SEA. Miller, A.R.; Densmore, C.D.; Degens, E.T.; Hathaway, J.C.; Manheim, F.T.; McFarlin, P.F.; Pocklington, R.; Jokela, A. Geochim. Cosmochim. Acta; 30: No. 3, 341-359(1965).
RED SEA;SEDIMENTS;IRON ORES;BRINES;THERMAL WATERS;GEOLOGIC DEPOSITS

1612 HOT SPRINGS IN HOKKAIDO. Fukutomi, T.

Volcanol. Soc. Japan Bull.; 11: No. 3, Ser. 2, 127-144(1966). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;HYDROLOGY;THERMAL WATERS; FLOW RATE;GROUND WATER;MIXING;HEAT TRANSFER; VOLCANIC REGIONS

1613 ROCK ALTERATION IN SOME GEOTHERMAL AREAS OF JAPAN. Seki, Y. Japanese Assoc. Mineralogists, Petrologists, Econ. Geologists Jour.; 55: No. 5, 212-219(1966). (In Japanese, English abs.).
JAPAN;GEOTHERMAL FIELDS;METAMORPHIC ROCKS; HYDROTHERMAL ALTERATION;NEW ZEALAND;ZEOLITES; FELDSPARS;TEMPERATURE DEPENDENCE;DEPTH; BOREHOLES;DRILL CORES;PETROLOGY

1614 GEOTHERMAL FEATURES OF A REGION OF RECENT VOLCANISM (ILLUSTRATED BY KAMCHATKA). Polyak, B.G. Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo ''Nauka'' (1966). 180p.
USSR;VOLCANIC REGIONS;GEOTHERMAL FIELDS; EARTH CRUST;HEAT FLOW;GEOLOGY;HYDROLOGY

1615 HEAT-FLOW MEASUREMENTS IN ATLANTIC OCEAN, INDIAN OCEAN, MEDITERRANEAN SEA, AND RED SEA. Birch, F.S.; Halunen, A.J., Jr. J. Geophys. Res.; 71: No. 2, 583-6(15 Jan 1966).
CARIBBEAN SEA;MEDITERRANEAN SEA;INDIAN OCEAN; RED SEA;HEAT FLOW;VARIATIONS

1616 GEOLOGICAL REPORT ON IBUSUKI DISTRICT, KAGOSHIMA PREFECTURE. Ota, R. Chishitsu Chosasho Geppo; 17: No. 3, 129-39(Mar 1966).
JAPAN;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS; GEOTHERMAL FIELDS

1617 NEW DATA ON THE GEOTHERMAL RESPONSE AND THERMAL PROPERTIES OF PRECAMBRIAN, PALEOZOIC, MESOZOIC AND CENOZOIC ROCKS OF THE GREATER CAUCASUS AND CISCAUCASIA. Sukharev, G.M. Dokl. Earth Sci. Sect. (Engl. Transl.); 161: No. 1-6, 153-4(Mar-Apr 1966).
USSR;ROCKS;GEOTHERMAL GRADIENTS;THERMAL CONDUCTIVITY;HEAT FLOW;GEOLOGICAL SURVEYS; CORRELATIONS;DATA;LITHOLOGY

1618 EXPLORATION OF GEOTHERMAL STEAM IN TAHUANGTSUI THERMAL AREA, TATUN VOLCANIC REGION, NORTH TAIWAN. Republic of China; Min. Res. Serv. Org., Minist. Econ. Affairs (1967). 23p.
TAIWAN;GEOTHERMAL RESOURCES;HOT SPRINGS; FUMAROLES;GEOLOGY;VOLCANIC REGIONS;NATURAL STEAM

1619 HYDROGRAPHIC OBSERVATIONS OF THE RED SEA BRINES. Munns, R.G.; Stanley, R.J.; Densmore, C.D. Nature (London); 214: No. 5094, 1215-17(1967).
BRINES;RED SEA;SALINITY;OXYGEN;TEMPERATURE GRADIENTS

1620 RESOURCES OF THERMAL WATERS IN THE ILI BASIN AND PROSPECTS OF THEIR UTILIZATION. Kan, M.S. Akad. Nauk. Kazakh. SSR, Izv. Ser. Geol.; No. 2, 87-9(1967).
USSR;THERMAL WATERS;FLOW RATE;SPACE HEATING; AQUIFERS;GEOTHERMAL ENERGY

1621 VARIETIES OF DEEP THERMAL WATERS MANIFESTED IN THE COURSE OF EXPLORATORY DRILLING FOR OIL AND GAS. Akserov, A.G.; Durmish'yan, A.G. pp 175-7 of Regional geothermy and distribution of thermal water in USSR. Moscow; Izdatel'stvo Nauka (1967). From 2. Tr. Soveshchaniya Geoterm. Issled. SSSR; Moscow (1964).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; USES;DRILLING;INDUSTRY;TECTONICS;HYDROLOGY; GEOLOGY;GEOLOGIC FAULTS;BOREHOLES

1622 HOT SALINE WATERS OF THE RED SEA BOTTOM AND THEIR RELATED SEDIMENTS. Riley, J.P. pp 141-57 of Oceanography and marine biology. (Volume 5). Barnes, H. (ed.). New York; Hafner Publishing Co. (1967).
THERMAL WATERS;RED SEA;ORIGIN;SALINITY;HEAT FLOW;CHEMICAL COMPOSITION;SEDIMENTS;BRINES; GEOLOGIC DEPOSITS

1623 TERRESTRIAL HEAT FLOW AND GEOTHERMAL RESOURCES IN HUNGARY. Boldizsar, T. Bull. Volcanol.; 30: 221-7(1967).
Lakitelek geothermal anomaly (heat flow 9.1 $\mu cal/cm^2sec$. HUNGARY;HEAT FLOW;GEOTHERMAL RESOURCES;THERMAL WATERS;GEOTHERMAL GRADIENTS

1624 REMARKS ON THE GEOTHERMAL RESEARCH IN THE REGION OF MONTE AMIATA (TUSCANY - ITALY). Cataldi, R. Bull. Volcanol.; 30: 243-69(1967).
ITALY;GEOTHERMAL EXPLORATION;WELL DRILLING; GEOLOGY;MONTE AMIATA GEOTHERMAL FIELD;POWER POTENTIAL;GEOTHERMAL WELLS

1625 GEOTHERMAL FIELD OF THE UPPER RHINEGRABEN (IN ROTHE, J.P. AND SAUER, K. (ED). THE RHINEGRABEN PROGRESS REPORT 1967). Kappelmeyer, O. Baden-Wurttemberg Geol. Handesamt Abh.; No. 6, 101-3(1967).
GERMAN FEDERAL REPUBLIC;RHINE RIVER; GEOTHERMAL FIELDS;HEAT FLOW;DATA COMPILATION; GEOLOGICAL SURVEYS;MAGMA

1626 ORIGIN OF THE HOT BRINES IN THE RED SEA. Pugh, D.T. Nature (London); 214: No. 5092, 1003-4(1967).
RED SEA;BRINES;ORIGIN;TEMPERATURE GRADIENTS; THERMAL WATERS

1627 GEOLOGY OF NAGANO PREFECTURE, CENTRAL JAPAN. Murai, I. Balneol. Soc. Jap. J.; 18: No. 2, 40-6(1967).
JAPAN;THERMAL WATERS;GEOLOGY;TECTONICS; SEDIMENTS

1628 THERMAL WATERS OF THE SIBERIAN PLATFORM AND ITS FOLDED MOUNTAIN RIM. Lomonosov, I.S.; Lysak, S.V. Sov. Geol.; No. 5, 110-21(1967).
USSR;ARTESIAN BASINS;THERMAL WATERS; TEMPERATURE GRADIENTS;GEOPHYSICAL SURVEYS; GEOLOGIC FAULTS

1629 HYDROVOLCANISM. Ivanchuk, P.P. Priroda; No. 7, 49-57(1967).
Relation of thermal waters to tectonics and salt domes. USSR;ASIA;THERMAL WATERS

1630 OUTLINE OF THE STRUCTURE OF SW - ICELAND. Saemundsson, K. Visindafelag Islendinga; Rit. 38: 151-61(1967).
ICELAND;VOLCANOES;GEOTHERMAL FIELDS

1631 FORMATION OF THE HOT SPRINGS OF THE CRIMEAN PENINSULA AND THEIR UTILIZATION. Al'bov, S.V.; Tkachuk, V.G. pp 87-9 of Regional geothermy and distribution of thermal

waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR; Moscow (1964).
USSR;THERMAL WATERS;GEOTHERMAL GRADIENTS;HOT SPRINGS;EXPLOITATION;ORIGIN;GEOLOGY

1632 GEOTHERMAL CONDITIONS OF THE ARTESIAN BASINS OF CRIMEA. Kurishko, V.A. pp 89-91 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR, Tr.; Moscow (1964).
USSR;ARTESIAN BASINS;THERMAL WATERS; EXPLOITATION;BALNEOLOGY

1633 GEOTHERMAL FEATURES OF THE MESO-CENOZOIC FORMATIONS AND POSSIBILITIES OF USING THE THERMAL WATERS OF THE STAVROPOL TERRITORY. Miroshnikov, M.V.; Vorob'yeva, K.I. pp 103-8 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR, Tr.; Moscow (1964).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; EXPLOITATION;GEOLOGY;HYDROLOGY

1634 GEOTHERMAL CONDITIONS AND THERMAL WATER RESOURCES OF THE AZOV-KUBAN OIL AND GAS BASIN. Kotov, V.S.; Matvinenko, V.N. pp 94-102 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR, Tr.; Moscow (1964).
USSR;GEOTHERMAL RESOURCES;THERMAL WATERS; EXPLOITATION;BALNEOLOGY;SPACE HEATING; GREENHOUSES

1635 REASONS FOR PROSPECTING FOR THERMAL WATERS NEAR PETROPAYLOVSK IN KAMCHATKA. Vakin, Ye.A. Sov. Geol.; No. 2, 140-5(1967).
USSR;HOT SPRINGS;GEOTHERMAL EXPLORATION; THERMAL WATERS;GEOTHERMAL ENERGY;SPACE HEATING; ECONOMICS

1636 NATURE AND ORIGIN OF THERMAL WATER BY BABATAN, DAX, AND CAUTERETS (AQUITAINE). Schoeffler, J.; Coustau, H.; Sourisse, C. Compt. Rend. Soc. Geol. Fr.; No. 2, 44(1967).
FRANCE;THERMAL WATERS;ORIGIN

1637 THERMAL WATERS OF THE VOLGA-DON REGION. Lipatskova, Ye.N. Dokl. Akad. Nauk SSSR; 172: No. 6, 1412-15(1967).
USSR;THERMAL WATERS;NATURAL OCCURRENCE; EXPLOITATION

1638 PROPOSAL OF THE BUDAPEST THERMAL WATER REGION. Horvath, L.; Scheuer, G. Hidrol. Kozlony; 47: No. 1, 1-9(1967). (German and Russian summaries).
HUNGARY;THERMAL WATERS;GEOLOGY;LIMESTONE; GEOLOGIC FAULTS;DOLOMITE;GEOLOGIC DEPOSITS; STRATIGRAPHY;CONGLOMERATES;BALNEOLOGY

1639 GEOHYDROLOGICAL SURVEYS. Gabos, G. Hidrol. Koslony; 47: No. 5, 255-63(1967).
HUNGARY;THERMAL WATERS;MAPS;HYDROLOGY; GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS

1640 METAMORPHIC BELTS AND OROGENESIS IN SOUTHERN NEW ZEALAND. Landis, C.A.; Coombs, D.S. Tectonophysics; 4: No. 4-6, 501-18(1967).
NEW ZEALAND;GEOLOGY;OROGENESIS;GEOLOGIC FAULTS;ROCKS;SEDIMENTS;METAMORPHISM;GEOTHERMAL GRADIENTS;TECTONICS

1641 MOUNT BAGANA AND LAKE LOLORU, BOUGAINVILLE, T.P.N.G. Branch, C.D. Aust., Bur. Miner. Resour., Geol. Geophys., Bull.; No. 107, 11-15(1967).
NEW GUINEA;VOLCANOES;FUMAROLIC FLUIDS;LAVA; FLOW RATE

1642 HOT SPRINGS AND THERMAL ENERGY. Bjornsson, S. Iceland Rev.; 5: No. 2, 35-9(1967).
ICELAND;GEOTHERMAL RESOURCES;GEYSERS;HOT SPRINGS;GEOTHERMAL ENERGY;USES;BOREHOLES; DRILLING;GEOTHERMAL EXPLORATION

1643 NATURAL HYDROTHERMAL SYSTEMS AND EXPERIMENTAL HOT-WATER/ROCK INTERACTIONS, PT. 2. Ellis, A.J.; Mahon, W.A.J. Geochim. Cosmochim. Acta; 31: 519-38(1967).
NEW ZEALAND;HYDROTHERMAL SYSTEMS; GEOCHEMISTRY;VOLCANIC REGIONS;VOLCANIC ROCKS; GRAYWACKE;CHEMICAL REACTIONS;THERMAL WATERS; MINERALS;SOLUBILITY;ION EXCHANGE;CHEMICAL COMPOSITION;HYDROTHERMAL ALTERATION;PH VALUE; DISSOLUTION;POTASSIUM COMPOUNDS;RUBIDIUM COMPOUNDS;MAGNESIUM COMPOUNDS;FLUORINE COMPOUNDS;SULFATES;SILICON OXIDES;AMMONIA; ANIONS;CATIONS

1644 THERMAL SPRINGS IN TANZANIA. James, T.C. Bull. Inst. Min. Met. Trans., Sec. B; 76: No. 729, 168-74(1967).
TANZANIA;HOT SPRINGS;ORIGIN;MONTMORILLONITE; METEORIC WATER;GEOCHEMICAL SURVEYS;HYDROLOGY

1645 GERMANIUM, MOLYBDENUM, COPPER AND ZINC IN NEW ZEALAND THERMAL WATERS. Koga, A. N. Z. J. Sci.; 10: No. 2, 428-46(1967).
NEW ZEALAND;THERMAL WATERS;CHEMICAL COMPOSITION;GERMANIUM;MOLYBDENUM;COPPER;ZINC; VOLCANIC REGIONS;HYDROTHERMAL ALTERATION; WAIRAKEI GEOTHERMAL FIELD;DRILL CORES;JAPAN; ABUNDANCE

1646 GEOTHERMAL INVESTIGATIONS IN THE SOUTHERN AND SOUTHWESTERN AREAS OF THE UKRAINIAN SSR (THE CRIMAEA AND SOVIET EASTERN CARPATHIANS). Lebedev, T.S.; Kutas, R.I.; Gordiyenko, V.V. Boll. Geofis. Teor. Appl.; 9: No. 36, 333-43(1967). (Italian summary).
UKRAINIAN SSR;BOREHOLES;GEOTHERMAL GRADIENTS; HEAT FLOW;LITHOLOGY

1647 THERMAL WATER OF VOLGA-DON REGION. Kipatskova, E.N. Dokl. Akad. Nauk SSSR; 172: No. 6, 1412-15(1967). (In Russian).
USSR;THERMAL WATERS;TEMPERATURE MEASUREMENT; GEOLOGY

1648 ON THE TEMPERATURE CONDITIONS OF THE KYZYL-ALMA STRUCTURE. Charushnikov, V.N. Izv. Vyssh. Uchebn. Zaved., Neft Gaz; No. 7, 15-16(1967).
USSR;BOREHOLES;TECTONICS;THERMAL WATERS; GROUND WATER;GEOTHERMAL GRADIENTS

1649 GEOLOGY OF THE NAKURU-THOMSON'S FALLS-LAKE HANNINGTON AREA DEGREE SHEET NO. 35, S.W. QUARTER, AND 43, N.W. QUARTER. McCall, G.J.H. Kenya Geol. Surv. Rpt., N. 78. Kenya; Kenya

Geol. Surv. (1967). 122p.
KENYA;GEOLOGY;VOLCANIC REGIONS;CARBON DIOXIDE;LAVA

1650 PRELIMINARY RESULTS OF GEOTHERMAL STUDIES IN UPPER SILESIA. Kowalczuk, J.; Pays, J. Przegl. Geol.; 15: No. 2, 84-87(1967).
POLAND;CZECHOSLOVAKIA;HEAT FLOW;GEOTHERMAL GRADIENTS

1651 SPATIAL AND GENETIC RELATION OF THERMAL WATERS OF SOUTHEASTERN KAMCHATKA WITH ACTIVE VOLCANOES. Vakin, Ye. A. Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Soveshch. Geoterm. Issled SSSR, 2nd, Tr. (1967).
USSR;VOLCANOES;THERMAL WATERS;GEOTHERMAL ENERGY

1652 THERMAL WATERS OF SAKHALIN AND THEIR UTILIZATION. Shteyn, M.A. Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Moscow; Soveshch. Geoterm. Issled. SSSR, 2nd, Tr. (1967).
USSR;THERMAL WATERS;EXPLOITATION;GROUND WATER;GEOTHERMAL ENERGY;CHEMICAL COMPOSITION; AQUIFERS;HYDROLOGY

1653 GEOTHERMAL INVESTIGATIONS IN KAZAKHSTAN AND UTILIZATION OF THERMAL WATERS. Zhevago, V.S. Regional'naya Geotermiya I Rasprostraneniye Termal'nykh Vod. V. SSSR. Moscow; Soveshch. Geoterm. Issled. SSSR, 2nd, Tr. (1967).
USSR;THERMAL WATERS;EXPLOITATION;GEOTHERMAL SYSTEMS;HEAT FLOW;HYDROLOGY

1654 ORIGIN OF HOT BRINES IN THE RED SEA. Pugh, D.T. Nature (London); 214: No. 5092, 1003-1004(1967).
RED SEA;THERMAL WATERS;BRINES;GEOTHERMAL ENERGY;HEAT;ORIGIN

1655 GEOTHERMAL CONDITIONS AND THERMAL WATERS OF CENTRAL AND EASTERN TURKMENIA. Borzasekov, V.F. pp 207-16 of Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Moscow; Soveshch. Geoterm. Issled. SSSR, 2nd, Tr., Volume 2 (1967).
USSR;ARTESIAN BASINS;HOT SPRINGS;GEOLOGY; HYDROLOGY;THERMAL WATERS;HEAT FLOW

1656 ROLE OF RELATIONSHIPS OF TRANSVERSE AND LINEAR STRUCTURES IN THE GEOTHERMAL REGIME OF THE CAUCASUS REGION. Kashkay, M.A. pp 169-74 of Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Moscow; Soveshch. Geoterm. Issled. SSSR, 2nd, Tr., Volume 2 (1967).
USSR;MINERAL SPRINGS;GEOPHYSICAL SURVEYS; HEAT FLOW;TECTONICS;GEOTHERMAL GRADIENTS; GEOLOGY;THERMAL WATERS

1657 GEOTHERMAL CHARACTERISTICS OF THE MESOZOIC-CENOZOIC SECTION AND PALEOGEOTHERMAL CONDITIONS OF THE CAUCASUS FORELAND. Vlasova, S.P.; Taranukha, Yu.K. pp 115-20 of Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Moscow; Soveshch. Geoterm. Issled. SSSR, 2nd, Tr., Volume 2 (1967).
USSR;GEOPHYSICAL SURVEYS;TECTONICS; GEOTHERMAL GRADIENTS;LITHOLOGY;GEOLOGY

1658 GEOPHYSICAL STUDY OF MATSUKAWA GEOTHERMAL AREA, NORTHEAST JAPAN. Nakamura, H.; Sumi, K. Chishitsu Chosasho Geppo; 18: No. 2, 132-46(1967). (Japanese abstract).
JAPAN;FUMAROLES;HOT SPRINGS;VOLCANIC REGIONS; GEOPHYSICAL SURVEYS;GEOLOGY;GEOTHERMAL WELLS; NATURAL STEAM;CAP ROCK;GEOLOGICAL SURVEYS; MATSUKAWA GEOTHERMAL FIELD

1659 GEOLOGICAL STRUCTURE OF THE HYDROTHERMAL SYSTEMS OF KAMCHATKA. Belousov, V.I. Bull. Volcanol.; 30: 63-73(1967).
USSR;GEOTHERMAL FIELDS;GEOLOGY;HEAT FLOW; HYDROTHERMAL SYSTEMS;THERMAL WATERS;TEMPERATURE GRADIENTS;LITHOLOGY;TECTONICS;ROCKS;PHYSICAL PROPERTIES;FLUID FLOW;GEOPHYSICS;HYDROLOGY

1660 HYDROGEOTHERMAL CONDITIONS OF THE URALS. Kovalev, V.F. pp 60-3 of Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Volume 2. Moscow; Izdatel'stvo ''Nauka'' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR, Trudy; Moscow (1964).
USSR;URALS;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;GEOLOGY;HYDROLOGY;GEOTHERMAL FLUIDS;USES; SPACE HEATING;GEOTHERMAL ENERGY;BALNEOLOGY

1661 PRIMARY MAGMATIC SULFIDES IN THE LAVAS OF KAMCHATKA AND THE KURIL ISLANDS. Vakhrushev, V.A.; Lapin, B.N. Geol. Rud. Mestorozhd.; 9: No. 3, 74-78(1967).
VOLCANIC ROCKS;MINERALIZATION;SULFIDES;MAGMA; HYDROTHERMAL SYSTEMS;USSR;BASALT;LAVA;PYRITES; CHEMICAL COMPOSITION;IGNEOUS ROCKS;CHEMICAL ANALYSIS

1662 NITROGEN THERMAL WATERS OF THE USSR (AZOTNYEE TERMY SSR). Barabanov, L.N.; Disler, V.N. (Tsentralnyi Naucho-Issledovatelskii Inst. Kurortologii i Fiz., Moscow (USSR)). Moscow; 'Geominvod' (1968). 120p. (In Russian).
THERMAL WATERS;MINERALS;USSR;CHEMICAL COMPOSITION;ELECTRIC POWER;BALNEOLOGY;NITROGEN; TECTONICS;VOLCANIC ROCKS;GRANITES;GEOTHERMAL RESOURCES;SEDIMENTARY ROCKS

1663 DISTRIBUTIONS OF TEMPERATURE IN AN UNDERGROUND STRUCTURE ALTERED BY HYDROTHERMAL CONDITIONS. Kikkawa, K.; Yusa, Y. (Kyoto Univ.). Geophys. Inst. Spec. Contr.; No. 8, 71-82(1968).
Myoban geothermal area. TEMPERATURE DISTRIBUTION;HYDROTHERMAL ALTERATION;GEOTHERMAL FIELDS;DRY-STEAM SYSTEMS;HYDROGEN SULFIDES; HYDROTHERMAL SYSTEMS;MONTMORILLONITE;KAOLIN; VOLCANIC ROCKS

1664 THERMAL WATERS OF KAZAKHSTAN AND THEIR VALUE TO THE NATIONAL ECONOMY. Zhevago, V.S.; Kan, M.S.; Bondarenko, N.M. pp 174-83 of Regional hydrological studies in Kazakhstan. Akad. Nauk. Kazakh, SSR, Inst. Gidrogeol. Gidrofiz., Trudy, Volume 1 (1968).
USSR;THERMAL WATERS;GEOLOGY;GEOTHERMAL RESOURCES;TEMPERATURE GRADIENTS;CHEMICAL COMPOSITION;AQUIFERS

1665 PROBLEM OF THE EFFECT OF THE HYDROGEOLOGIC FACTOR ON THE GEOTHERMAL FIELD IN THE CONDITIONS OF THE EASTERN PART OF THE RUSSIAN PLATFORM. Druzhinin, A.V. Neftegazov. Geol. Geofiz.; No. 6, 37-40(1968).
USSR;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;HYDROLOGY;GEOLOGY

1666 THERMAL MINERAL SPRINGS OF TURKEY AND A STUDY OF GEOTHERMAL ENERGY. Erentoz, C.; Ternek, Z. Mineral Res. Explor. Inst. Surkey, Bull., Foreign Ed.; No. 70, 1-59(1968).
TURKEY;HOT SPRINGS;GEOTHERMAL RESOURCES; GEOLOGY;MINERALS;ROCKS;STRATIGRAPHY;METAMORPHIC ROCKS;SEDIMENTARY ROCKS;CHEMICAL COMPOSITION

1667 MASALLY--LENKORAN'--ASTARA HYDROTHERMAL ZONE. Kashkay, M.A.; Aliyev, S.A.; Tagiyev, I.I. Akad. Nauk Azerbaydzhan. SSR, Izv., Ser. Nauk Zemle; No. 3, 3-19(1968).
USSR;IRAN;GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS;GEOLOGIC FAULTS;TEMPERATURE DISTRIBUTION;HEAT FLOW

1668 SPRING GROUPS I OF THE GELLERT SPA. Howath, L.; Szalontai, G. Hidrol. Kozlony; 48: No. 11, 502-11(1968).
HUNGARY;THERMAL WATERS;TEMPERATURE DISTRIBUTION;GROUND WATER;HOT SPRINGS

1669 CRETACEOUS GREYWACKES. Hay, R.F. N. Z. J. Geol. Geophys.; 11: No. 1, 238-49(1968).
NEW ZEALAND;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;NATURAL STEAM;GEOLOGIC DEPOSITS; PETROLEUM;PROSPECTING

1670 QUANTITATIVE ESTIMATION OF HYDROTHERMAL SYSTEM OF OWAKUDANI AND SOUNZAN GEOTHERMAL AREAS. Yuhara, K. Volcanol. Soc. Jap. Bull.; 13: No. 2, Ser. 2, 74-83(1968). (English abstract).
Japan. JAPAN;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES;VOLCANOES;POWER POTENTIAL; HYDROTHERMAL SYSTEMS;HOT SPRINGS;MATHEMATICAL MODELS;MAGMA

1671 YUGAWARALITE FROM ONIKOBE ACTIVE GEOTHERMAL AREA, NORTHEAST JAPAN. Okumura, K. Ganseki Kobutsu Kosho Gakkaishi; 60: No. 1, 27-33(1968). (Japanese summary).
JAPAN;GEOTHERMAL FIELDS;ROCKS;HYDROTHERMAL ALTERATION;CHEMICAL COMPOSITION;DATA COMPILATION;MINERAL RESOURCES

1672 RESULTS OF GEOTHERMAL INVESTIGATIONS ON THE KUBAN. Matviyenko, V.N. Geol. Nefti Gaza; No. 8, 35-8(1968).
USSR;GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES;POWER POTENTIAL;DATA COMPILATION

1673 HYDROGEOLOGIC RESEARCH FOR THERMOMINERAL WATERS IN THE HIRSOVA VADU OII ZONE. Constantinescu, V.; Croitoru, M. Romania Com. Geol. Dari Seama Sed.; 53: No. 3, 293-311(1968). (English and French abstracts).
ROMANIA;THERMAL WATERS;CHEMICAL COMPOSITION; LIMESTONE;HYDROLOGY;GEOLOGY;GEOCHEMISTRY; CHLORIDES;SODIUM;BROMINE;ABUNDANCE;GEOLOGIC FISSURES

1674 GEOCHEMICAL HYDRODYNAMICS - POSSIBLE KEY TO THE HYDROLOGY OF CERTAIN AQUIFER SYSTEMS IN THE NORTHERN PART OF THE GULF OF MEXICO. Jones, P.H. pp 113-25 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Symposium 2. Prague; Internatl. Geol. Cong. (1968).
GEOLOGY;HYDROLOGY;ARTESIAN BASINS;AQUIFERS; HYDRODYNAMICS;GEOCHEMISTRY;THERMAL WATERS; BRINES;FRESH WATER;WASTE DISPOSAL;GULF OF MEXICO;GEOTHERMAL RESOURCES;WATER RESOURCES; GROUND WATER;DISTILLATION;PRODUCTION;POWER GENERATION

1675 HYDROLOGY, ACTIVITY, AND HEAT FLOW OF THE STEAMBOAT SPRINGS THERMAL SYSTEM, WASHOE COUNTY, NEVADA. White, D.E. pp 1-109 of US Geological Survey Professional Paper 458-C. Washington, DC; US Geological Survey (1968).
METEORIC WATER;GEOTHERMAL GRADIENTS;GRANITES; NEVADA;MAGMA;HOT SPRINGS;GEOTHERMAL RESOURCES; HEAT FLOW;HYDROLOGY;STEAMBOAT SPRINGS

1676 CZECHOSLOVAK MINERAL SPRINGS. Silar, J. Geotimes; 13: No. 5, 10-12(1968).
CZECHOSLOVAKIA;HOT SPRINGS;GEOLOGY;THERMAL WATERS;MINERAL SPRINGS

1677 ORIGIN OF THE MINERAL SPRINGS IN YUNNAN (CHINA). Silar, J. pp 45-51 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Report, Symposium 2. Prague; International Geol. Cong. (1968).
From 23. International Geological Congress, Symposium 2; Prague, Czech. (1968).
CHINA;HOT SPRINGS;GEOLOGIC FAULTS; DISTRIBUTION;MINERALS;ORIGIN

1678 HIGHLY THERMAL WATERS OF THE USSR. Bogoroditskiy, K.F. Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Nauka' (1968). 168p.
Book. USSR;THERMAL WATERS;MAPS;CHEMICAL COMPOSITION;EXPLOITATION;ECONOMICS;GEOLOGY; HYDROLOGY

1679 GEOTHERMAL GRADIENT OF PLATFORM REGIONS OF THE NORTH OF SIBERIA. Ginsburg, G.D. Nauchno-Issled. Inst. Geol. Arktiki, Uchenyye Zapiski, Reg. Geol.; No. 13, 167-74(1968).
USSR;GEOTHERMAL GRADIENTS;GEOTHERMAL FIELDS; LITHOLOGY;GEOLOGIC FAULTS

1680 RESULTS OF THERMAL INVESTIGATIONS IN THE SOUTHEAST POLISH LOWLAND. Depovskiy, S.; Sapula, I. Neftegazov. Geol. Geofiz.; No. 3, 41-9(1968).
POLAND;GEOTHERMAL GRADIENTS

1681 NEOTECTONICS OF KAMCHATKA AND THEIR ROLE IN THE FORMATION OF GEOTHERMAL DEPOSITS. Svyatlovskiy, A.E. Vses. Sov. Geomorfol. Neotektonike Sib. Dal'nego Vostoka, Mater.; 2: 270-7(1968).
Late Cenzoic volcanism. USSR;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES;GEOMORPHOLOGY; VOLCANIC REGIONS;TECTONICS;GEOLOGIC DEPOSITS

1682 MINERAL SPRINGS OF THE SUDETES AND THEIR RELATIONS WITH THE STRUCTURE OF THE SUBSTRATUM. Teisseyre, J. pp 195-204 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, report, Symposium 2. Prague, Czech.; Int. Geol. Cong. (1968).
CZECHOSLOVAKIA;HOT SPRINGS;THERMAL WATERS; RADIOACTIVITY;CHEMICAL COMPOSITION;CARBON DIOXIDE

1683 MAIN GEOTHERMAL FEATURES OF THE URALS AND ADJACENT TERRITORIES. Yezhov, Yu.A. pp 314-23 of 1st Ural. Sess. Nauch. Soveta Kompleks. Issled. Zemnoy Kory Verkhney Mantii, Tr. Moscow; Izdatel'stvo 'Nauka' (1968).
USSR;URALS;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS;HYDROLOGY; GEOLOGY;HEAT FLOW;EARTH CRUST;ROCKS;SEDIMENTS; LITHOLOGY;TECTONICS

1684 GEOTHERMAL AND GEOMAGNETIC DATA IN AND AROUND THE ISLAND ARC OF JAPAN. Uyeda, S.; Vacquier, V. pp 349-66 of International Upper Mantle Project, Sci. Report 15, Amer. Geophys. Union., Geophys. Mon. 12. Washington, DC; Natl. Res. Council (1968).
JAPAN;MAGNETIC SURVEYS;PACIFIC OCEAN;HEAT FLOW;GEOPHYSICAL SURVEYS

1685 CRYSTAL STRUCTURE OF THE VOLCANIC REGIONS OF KAMCHATKA FROM GEOPHYSICAL DATA. Shetynberg, G.S. pp 212-19 of Geology of transition zones from the Asiatic continent to the Pacific Ocean. Moscow; Akad. Nauk SSSR Sibirsk. Otdel. Dal'nevostoch. Filial (1968).
USSR;GEOPHYSICAL SURVEYS;AERIAL PROSPECTING; MAGNETIC SURVEYS;GRAVITY SURVEYS;VOLCANIC REGIONS;EARTH CRUST;MAGMA;GEOLOGIC FAULTS

1686 THERMAL WATERS OF WESTERN CRIMEA AND EXPERIMENTAL PROGNOSIS OF THEIR RESERVES. Buryanova, I.Ya.; Lyal'ko, V.I.; Misyats', I.O. Geol. Zh. (Russ. Ed.); 28: No. 5, 44-53(1968). (In Ukrainian).
USSR;THERMAL WATERS;FLOW RATE;GEOTHERMAL RESOURCES;POWER POTENTIAL;GEOTHERMAL ENERGY; HEAT;ENERGY YIELD;RESERVES

1687 SOME DATA ON THE THERMAL WATERS AND GEOTHERMICS OF THE BAIKAL AREA. Lysak, S.V. pp 167-73 of Baykal'skiy rift. Moscow; Akad. Nauk. SSSR Siber. Otdel., Inst. Zemn. Kory (Izdatel'stvo ''Nauka'') (1968).
USSR;GEOTHERMAL GRADIENTS;HEAT FLOW;GEOLOGIC FAULTS;HOT SPRINGS;THERMAL WATERS;NITROGEN; CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT; PHYSICAL PROPERTIES

1688 GEOTHERMAL CHARACTERISTICS AT DEPTH IN THE NORTH CASPIAN REGION. Li, K.A. Neftegazov. Geol. Geofiz.; No. 3, 29-32(1968).
USSR;GEOTHERMAL SYSTEMS

1689 PROBLEM OF HIGH-TEMPERATURE SPRINGS OF INDIA. Chaterji, G.C.; Guha, S.K. pp 141-149 of 23rd Internatl. Geol. Cong., Prague, Czechoslovakia, 1968, Rpt. Symp. 2, proceedings. Prague; International Geol. Cong. (1968).
Recharge from meteoric and magmatic waters, heat supply, and magmatic emanations. INDIA;HOT SPRINGS;GEOTHERMAL GRADIENTS;METEORIC WATER; MAGMATIC WATER;HEAT TRANSFER

1690 REPORT ON GEOPHYSICAL LOGGING INVESTIGATIONS CARRIED OUT IN DEEP AND ULTRADEEP BOREHOLES IN THE GROZNY DISTRICT. Tsaturyan, A.A. Magy. Geofiz.; 9: No. 1, 20-3(1968).
USSR;GEOPHYSICAL SURVEYS;BOREHOLES;WELL LOGGING;DATA

1691 GEOLOGICAL VOYAGE IN THE REPUBLICS OF GUATEMALA AND EL SALVADOR. SCIENTIFIC MISSION TO MEXICO AND IN CENTRAL AMERICA. Dollfus, A.; De Montserrat, E. Paris; France; Imprimerie Imperiale (1868). 539p.
EL SALVADOR;GUATEMALA;FUMAROLES;VOLCANOES; HOT SPRINGS;GEOLOGY

1692 PROSPECTS FOR THERMAL WATER EXPLORATION IN TRANSCARPATHIAN REGION OF UKRAINIAN SSR. Mesyets, I.A.; Kotyk, B.A.; Myshkin, L.P. (Akad. Nauk URSR, Kiev). Mining Thermophysics; 15-18(1968). (In Russian). (N--70-16586).
USSR;HOT SPRINGS;THERMAL WATERS;GEOTHERMAL EXPLORATION

1693 GEOTHERMAL PROBLEMS IN THE CAUCASUS. Mekhtiyev, Sh.F.; Aliyev, S.A. pp 103-10 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Sec. 5. Prague; Int. Geol. Cong. (1968).
USSR;GEOTHERMAL FIELDS;VARIATIONS;MAPS; PETROLEUM DEPOSITS;TEMPERATURE DISTRIBUTION; CORRELATIONS

1694 THERMAL WATERS OF THE USSR. Makarenko, F.A.; Mavritskiy, B.F. pp 161-70 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Report Symposium 2. Prague; Int. Geol. Cong. (1968).
USSR;THERMAL WATERS;BOREHOLES;GEOPHYSICAL SURVEYS;DATA

1695 MAIN GENETIC TYPES OF THE EARTH'S CRUST MINERAL WATERS AND THEIR DISTRIBUTION IN THE USSR. Ivanov, V.V.; Barabanov, L.N.; Plotnikova, G.N. pp 33-9 of Proceedings of Symposium II on Genesis of Mineral and Thermal Waters. Volume 17. Report of 23rd Session of International Geological Congress. Academia Prague (1968).
From 23. Session of International Geological Congress. Symposium II on Genesis of Mineral and Thermal Waters; (1968).
MINERALS;CHEMICAL COMPOSITION;ORIGIN; DISTRIBUTION;USSR;EARTH CRUST;MAGMA;VOLCANISM; METEORIC WATER;HYDROLOGY;GROUND WATER;THERMAL WATERS

1696 THERMAL WATERS OF SIBERIAN PLATFORM AND ITS FOLDED-MOUNTAINS FRAMING. Lomonosov, I.S.; Lysak, S.V. Int. Geol. Rev.; 10: No. 1, 13-22(Jan 1968).
Water temperatures from 20 to 135°C. USSR; ARTESIAN BASINS;GEOTHERMAL EXPLORATION; TEMPERATURE GRADIENTS;BRINES;GEOCHEMISTRY; CHEMICAL COMPOSITION;THERMAL WATERS;GASES; GEOTHERMAL WELLS;FLOW RATE;HOT SPRINGS; BUILDINGS;SPACE HEATING;GEOTHERMAL ENERGY; HYDROLOGY;GEOLOGY

1697 GEOLOGIC AND THERMODYNAMIC CHARACTERISTICS OF SALTON SEA GEOTHERMAL SYSTEM. Helgeson, H.C. Am. J. Sci.; 266: No. 3, 129-66(Mar 1968).
SALTON SEA;GEOLOGY;GEOTHERMAL SYSTEMS; TEMPERATURE DISTRIBUTION;PRESSURE GRADIENTS; ENTHALPY;SALINITY;BRINES;SAND;SODIUM CHLORIDES; CALCIUM CHLORIDES;POTASSIUM CHLORIDES;CHEMICAL COMPOSITION;THERMODYNAMIC PROPERTIES

1698 INFLUENCE OF THE POLDERING OF LAKE TOGO-IKE FOR THE TOGO HOT SPRING GROUP. Seno, K.; Yamamoto, S.; Kiuchi, S. (Jap. Soc. Limnology, Japan). Jap. J. Limnol.; 29: No. 1, 1-12(May 1968).
LAKES;HOT SPRINGS;FLOW RATE;GROUND WATER; VARIATIONS;JAPAN

1699 GEOLOGICAL AND ECONOMICAL CRITERIA FOR EVALUATION OF GROUNDWATER RESOURCES. Bondarenko, S.S. Sov. Geol.; No. 7, 108-19(Jul 1968). (In Russian).
GROUND WATER;WATER RESOURCES;USES;ECONOMICS; THERMAL WATERS;BROMINE;IODINE;RECOVERY; GEOTHERMAL RESOURCES

1700 GELS COMPOSED OF SODIUM--ALUMINIUM

SILICATE, LAKE MAGADI, KENYA. Eugster, H.P.; Jones, B.F. (Johns Hopkins Univ., Dept. of Geolog; US Geological Survey). Science; 161: 160-3(12 Jul 1968).
GELS;SODIUM SILICATES;ALUMINIUM SILICATES; KENYA;HOT SPRINGS;AFRICA;PRECIPITATION;ROCK-FLUID INTERACTIONS;GEOCHEMISTRY

1701 GEOLOGICAL STRUCTURE AND ITS EFFECT ON THE GEOTHERMAL HYDROLOGY OF SOUTHWESTERN HREPPAR, ICELAND. Kiersch, G.A.; Chaturvedi, L.N. OWRR Project No. A-020-NY. Ithaca, NY; Cornell Water Resources and Marine Sciences Center (Aug 1968). 6p.
ICELAND;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;GEOLOGY;HYDROLOGY;HOT SPRINGS; BASALT;GEOLOGIC FAULTS;GROUND WATER;HEATING; METEORIC WATER;GEOLOGICAL SURVEYS

1702 COMPOSITIONAL SIMILARITIES BETWEEN HOT MINERAL SPRINGS IN THE JORDAN AND SUEZ RIFT VALLEYS. Mazor, E. (Israel Atomic Energy Commission, Rehovoth; Weizmann Inst. of Sci., Rehovoth, Israel). Nature (London); 219: No. 5153, 477-8(2 Aug 1968).
HOT SPRINGS;MINERAL SPRINGS;JORDAN;RED SEA; RIFT ZONES;ISRAEL;SEAWATER;GROUND WATER;MIXING; ROCK-FLUID INTERACTIONS;GEOCHEMISTRY

1703 THERMOMINERAL WATERS OF TURKEY. Erentoez, C.; Ternek, Z. (Prague). pp 75-84 of Mineral and thermal waters of the world-Pt. B. Prague; Prague Academia (1969). (In Turkish)
From Internat. Geol. Cong., 23d, Proc., Symposium 2; Prague (1968).
TURKEY;THERMAL WATERS;HOT SPRINGS;NATURAL STEAM;ELECTRIC POWER;BALNEOLOGY;GEOTHERMAL RESOURCES;USES

1704 MINERAL AND THERMAL WATERS OF JAPAN. Nakamura, H. (Prague Academia). pp 45-62 of Mineral and thermal waters of the world-Pt. B. Prague; Prague Academia (1969).
From Internat. Geol. Cong., 23d, Proc., Symposium 2; Prague (1968).
JAPAN;THERMAL WATERS;MINERALS;USES; GEOTHERMAL RESOURCES;HOT SPRINGS;GEOTHERMAL EXPLORATION;HEAT FLOW;GEOTHERMAL GRADIENTS; MATSUKAWA GEOTHERMAL FIELD;OTAKE GEOTHERMAL FIELD

1705 GENERAL ASPECTS OF THERMAL ACTIVITY IN ICELAND. Arnorsson, S.; Johnsson, J.; Tomasson, J. (Prague Academia). pp 77-86 of Mineral and thermal waters of the world-Pt. A. Prague; Prague Academia (1969).
From Internat. Geol. Cong., 23d, Prague, 1968, Proc., Symposium 2; Europe (1968).
ICELAND;THERMAL WATERS;GEOTHERMAL FIELDS; VOLCANOES;VOLCANIC ROCKS;BASALT;SILICON OXIDES; BOREHOLES;HOT SPRINGS;SPACE HEATING;USES; GEOTHERMAL RESOURCES

1706 CONTRIBUTION TO THE KNOWLEDGE OF THE GEOTHERMAL FIELD OF LARDERELLO. Cataldi, R.; Ferrara, G.C.; Stefani, G.; Tongiorgi, E. (Tuscany, IT). Bull. Volcanol.; 33: No. 1, 29-55(1969).
LARDERELLO GEOTHERMAL FIELD;HYDROTHERMAL SYSTEMS;GEOCHEMICAL SURVEYS;HYDROLOGY;GEOLOGY; GEOTHERMAL EXPLORATION;GEOTHERMAL WELLS

1707 HIGH TEMPERATURE THERMAL AREA IN ICELAND. Arnason, B.; Theodorsson, P.; Bjoernsson, S.; Saemundsson, K.H. Bull Volcanol.; 33: No. 1, 245-259(1969).
GEOTHERMAL FIELDS;ICELAND;GEOLOGICAL SURVEYS; GEOCHEMICAL SURVEYS;HYDROTHERMAL ALTERATION; GEOLOGY;HYDROLOGY

1708 SOME GEOLOGICAL DATA ON THE GEOTHERMAL AREAS OF TUSCANY. Marinelli, G. Bull Volcanol.; 33: No. 1, 319-333(1969).
LARDERELLO GEOTHERMAL FIELD;TECTONICS;GROUND WATER;CRATERS;EXPLOSIONS;POROSITY;THICKNESS

1709 STUDIES ON GEOCHEMISTRY OF THERMAL SPRINGS AT BAKRESHWAR. Chowdhury, A.N.; Bose, B.B.; Banerjee, G. pp 143-60 of 22nd International Geological Congress, New Delhi, India, 1964, Report, Pt. 12. Int. Geol. Cong. (1969).
From 22. International Geological Congress; New Delhi, India (1964).
INDIA;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE GRADIENTS;GEOCHEMISTRY

1710 SULFIDE MINERALIZATION IN A BROADLANDS GEOTHERMAL DRILL HOLE, TAUPO VOLCANIC ZONE, NEW ZEALAND. Browne, P.R.L. Econ. Geol.; 64: No. 2, 156-9(1969).
Base-metal sulfides. BROADLANDS GEOTHERMAL FIELD;BOREHOLES;MINERALIZATION;SULFIDES;ROCKS; NEW ZEALAND;DEPOSITS;MINERALS

1711 HYDROGRAPHY OF THE RED SEA BRINES. Brewer, P.G.; Densmore, C.D.; Munns, R.; Stanley, R.J. (Woods-Hole Oceanographic Inst., MA). pp 138-47 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag, Inc. (1969).
RED SEA;BRINES;TEMPERATURE GRADIENTS; SALINITY;THERMAL WATERS;GEOTHERMAL RESOURCES; SAMPLING;OCEANOGRAPHY;GEOCHEMISTRY;SEDIMENTS; STRATIFICATION

1712 PHYSICAL INTERPRETATION OF THE OBSERVATIONS OF HOT BRINE LAYERS IN THE RED SEA. Turner, J.S. (Cambridge Univ. (England). Dept. of Applied Mathematics and Theoretical Physics). pp 164-73 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag, Inc. (1969).
RED SEA;BRINES;TEMPERATURE GRADIENTS;LAYERS; STRATIFICATION;SEAWATER;THERMAL WATERS;SALINITY; GEOCHEMISTRY;OCEANOGRAPHY;EXPLORATION;DIFFUSION

1713 HEAT FLOW IN NORTH AMERICA. Simmons, G.; Roy, R.F. pp 78-81 of Earth's crust and upper mantle. Washington, DC; National Research Council (1969).
NORTH AMERICA;HEAT FLOW;RADIOACTIVITY; VOLCANIC REGIONS;ZONES

1714 THERMAL AND MINERAL SPRINGS OF JAMAICA. Versey, H.R. pp 265-8 of Proceedings of 23rd International Geol. Cong., Prague, Czechoslovakia, 1968, Symposium 2, Part B. Prague; International Geol. Cong. (1969).
JAMAICA;HOT SPRINGS;CHEMICAL COMPOSITION; THERMAL WATERS;GEOCHEMISTRY

1715 HOT BRINES AND RECENT HEAVY METAL DEPOSITS IN THE RED SEA. Degens, E.T.; Ross, D.A. (ed.). New York; United States of America (USA); Springer-Verlag (1969). 600p.
Book. RED SEA;GEOTHERMAL FLUIDS;BRINES;ROCKS; STRATIGRAPHY;TOPOGRAPHY;GRAVITATIONAL FIELDS; GEOMAGNETIC FIELD;GEOLOGICAL SURVEYS;WATER; SEDIMENTS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;RADIOACTIVITY;GEOLOGIC DEPOSITS

1716 OBSERVATIONS OF THE VERTICAL STRUCTURE OF HOT SALTY WATER BY R. V. METEOR. Dietrich, G.; Krause, G. pp 10-14 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;TEMPERATURE DISTRIBUTION; TEMPERATURE GRADIENTS

1717 MAGNETIC PROPERTIES OF MINERALS FROM THE RED SEA THERMAL BRINES. Strangway, D.W.; McMahon, B.E.; Bischoff, J.L. pp 460-73 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;SEDIMENTS;MINERALS;THERMAL WATERS;MAGNETIC PROPERTIES;TEMPERATURE DEPENDENCE

1718 ATLANTIS 2 ACCOUNT. Miller, A.R. pp 15-17 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;EXPLORATION;REVIEWS;THERMAL WATERS

1719 FOURTH BRINE HOLE IN THE RED SEA. Ostajsoff, F. pp 18-21 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;THERMAL WATERS;EXPLORATION

1720 THERMAL MEASUREMENTS IN THE RED SEA HOT BRINE POOLS. Ericksom, A.J.; Simmons, G. pp 114-21 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;TEMPERATURE GRADIENTS;BRINES; SEDIMENTS;HEAT TRANSFER

1721 GENERAL CIRCULATION OF WATER MASSES IN THE RED SEA. Siedler, G. pp 131-7 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;TEMPERATURE DISTRIBUTION;SALINITY; FLUID FLOW;EVAPORATION

1722 SUSPENDED MATTER IN THE RED SEA BRINES AND ITS DETECTION BY LIGHT SCATTERING. Ryan, W.B.F.; Thorndike, E.M.; Ewing, M.; Ross, D.A. pp 153-7 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;SUSPENSIONS;BRINES;LAYERS;THERMAL WATERS

1723 TRACE ELEMENT COMPOSITION OF RED SEA GEOTHERMAL BRINE AND INTERSTITIAL WATER. Brooks, R.R.; Kapean, I.R.; Peterson, M.N.A. pp 180-203 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;ELEMENTS;TRACE AMOUNTS; CHEMICAL COMPOSITION

1724 SULFUR ISOTOPE STUDIES ON RED SEA GEOTHERMAL BRINES AND SEDIMENTS. Kapean, I.R.; Sweeney, R.E.; Nissenbaum, A. pp 474-98 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;SEDIMENTS;SULFUR ISOTOPES; ISOTOPE RATIO;GEOLOGIC DEPOSITS;CHEMICAL COMPOSITION;ORIGIN

1725 URANIUM SERIES ISOTOPES IN SEDIMENTS FROM THE RED SEA HOT-BRINE AREA. Ku, T.-L. pp 512-24 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
URANIUM ISOTOPES;THORIUM ISOTOPES;SEDIMENTS; RED SEA;BRINES;ISOTOPE RATIO;AGE ESTIMATION; PROTACTINIUM ISOTOPES;RADIUM ISOTOPES

1726 COMPARISON BETWEEN RED SEA DEPOSITS AND OLDER IRONSTONE AND IRON-FORMATION. James, H.L. pp 525-32 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;IRON;LAYERS;SILICON OXIDES; GEOLOGIC DEPOSITS;SEDIMENTARY ROCKS;AGE ESTIMATION;HOT SPRINGS;FUMAROLES;VOLCANIC ROCKS; GEOLOGIC STRATA

1727 SUMMARY OF HOT BRINES AND HEAVY METAL DEPOSITS IN THE RED SEA. Emery, K.O.; Hunt, J.M.; Hays, E.E. pp 557-71 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;METALS;DEPOSITS;THERMAL WATERS;GEOLOGIC DEPOSITS

1728 ICELAND'S THERMAL GEOLOGY. Kane, J. Nat. Hist.; 78: No. 1, 48-51(1969).
ICELAND;GEOLOGY;GEOTHERMAL FIELDS;VOLCANIC REGIONS;GEYSERS;HOT SPRINGS;VOLCANOES; GEOTHERMAL ENERGY;HYDROTHERMAL SYSTEMS; GEOTHERMAL RESOURCES

1729 O-18/O-16 AND C-13/C-12 RATIOS OF FOSSILS FROM THE HOT-BRINE DEEP AREA OF THE CENTRAL RED SEA. Deuser, W.G.; Degens, E.T. pp 336-47 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springes-Verlag (1969).
RED SEA;BRINES;GEOLOGIC DEPOSITS;ISOTOPE RATIO;OXYGEN ISOTOPES;CARBON ISOTOPES;OXYGEN 18; OXYGEN 16;CARBON 13;CARBON 12;EVAPORATION; ISOTOPE DATING;EQUILIBRIUM

1730 GEOCHEMICAL STUDY ON THE VARIATION OF HOT SPRING WATERS CAUSED BY THE MATSUSHIRO EARTHQUAKE SWARM. Noguchi, K.; Ueno, S.; Nishiido, T. Onsen Kagaku; 20: No. 2, 67-93(1969). (In Japanese with English abstract).
JAPAN;EARTHQUAKES;HOT SPRINGS;GEOCHEMISTRY; CHLORINE;BORIC ACID;CARBON DIOXIDE;VARIATIONS; ALKALI METAL COMPOUNDS;GROUND WATER;SEISMIC EFFECTS;CHEMICAL COMPOSITION;THERMAL WATERS

1731 STUDY ON THE VARIATION OF KAMIYAMADA AND NURUYU HOT SPRINGS CAUSED BY THE MATSUSHIRO EARTHQUAKE SWARM. Noguchi, K.; Kakegawa, K. ONKAA; 20: No. 2, 94-9(1969). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;EARTHQUAKES;VARIATIONS; CHEMICAL COMPOSITION;LEVELS;SEISMIC EFFECTS; THERMAL WATERS

1732 RUPTURE MECHANICS ON THE HAYWARD FAULT (SUMMARY). Bolt, B.A.; Eisenberg, A. EOS, Trans., Am. Geophys. Union; 50: No. 5, 382(1969).
CALIFORNIA;GEOLOGIC FAULTS;EARTHQUAKES; MONITORING;BOREHOLES;HEAT FLOW;GEOPHYSICAL SURVEYS

1733 VOLCANOGENIC SERIES OF THE TUMROK RANGE, THEIR PALEOMAGNETIC CHARACTERISTICS AND AGE. Shantser, A.Ye.; Gentner, A.P.; Yegorova, I.Ye.;

Lupikina, Ye.G.; Pevzner, M.A.; Chelebayeva, A.I. Izv. Akad. Nauk SSSR, Ser. Geol.; No. 9, 73-82(1969).
USSR;VOLCANIC REGIONS;MAGNETIC SURVEYS;AGE ESTIMATION;GEOLOGIC DEPOSITS;STRATIGRAPHY

1734 SOME FEATURES OF THE TECTONICS OF THE SOLIKAMA BASIN ACCORDING TO DATA OF GEOPHYSICAL AND PALEOTECTONIC INVESTIGATIONS.
Vishnevskiy, P.V.; Bareyev, R.A. Neftegazov. Geol. Geofiz.; No. 5, 33-6(1969).
USSR;GEOLOGIC FAULTS;TECTONICS;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS

1735 MINERAL AND THERMAL WATERS OF BELGIUM.
Graulish, J.M. pp 9-15 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
BELGIUM;HOT SPRINGS;MINERAL SPRINGS;CARBON DIOXIDE;SALINITY;THERMAL WATERS;CHEMICAL COMPOSITION;IRON COMPOUNDS

1736 MINERAL AND THERMAL WATERS OF THE FEDERAL REPUBLIC OF GERMANY. Fricke, K.; Michel, G. pp 31-57 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
GERMAN FEDERAL REPUBLIC;HOT SPRINGS;MINERAL SPRINGS;MEDICINE;THERMAL WATERS;CHEMICAL COMPOSITION;CARBON DIOXIDE;BY-PRODUCTS;MAPS; *TABLES;TECTONICS;GEOLOGY*

1737 MINERAL WATERS OF THE GERMAN DEMOCRATIC REPUBLIC. Zieschang, J. pp 59-68 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
GERMAN DEMOCRATIC REPUBLIC;HOT SPRINGS; BALNEOLOGY;HEAT FLOW;GEOTHERMAL GRADIENTS

1738 THERMAL AND MINERAL HEALTH WATERS OF HUNGARY. Schmidt, E.R. pp 69-76 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
HUNGARY;HOT SPRINGS;USES;BALNEOLOGY;WATER RESOURCES;TEMPERATURE DISTRIBUTION

1739 ITALIAN THERMAL AND MINERAL SPRINGS.
Damiani, A.V.; Moretti, A. pp 87-98 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
ITALY;HOT SPRINGS;MINERAL SPRINGS;CHEMICAL COMPOSITION;PHYSICAL PROPERTIES;DISTRIBUTION

1740 GENERAL REVIEW OF THE MINERAL AND THERMAL WATERS OF RUMANIA. Ghenea, C.; Nicolescu, M. pp 99-112 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
ROMANIA;HOT SPRINGS;MINERAL SPRINGS;GEOLOGY; GROUND WATER;CHEMICAL COMPOSITION;MEDICINE; RADIOACTIVITY;FLOW RATE;THERMAL WATERS; PROSPECTING

1741 MINERAL AND THERMAL WATERS OF SPAIN.
Lopez de Azcona, J.M. pp 113-25 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
SPAIN;HOT SPRINGS;MINERAL SPRINGS;TECTONICS; THERMAL WATERS;FLOW RATE

1742 MINERAL SPRINGS OF SWITZERLAND.
Cadisch, J. pp 133-7 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
SWITZERLAND;HOT SPRINGS;MINERAL SPRINGS; THERMAL WATERS;RADIOACTIVITY;CHEMICAL COMPOSITION;GEOLOGY;*CARBON DIOXIDE;ABUNDANCE*

1743 MINERAL AND THERMAL WATERS OF THE UNITED KINGDOM. Edmunds, W.M.; Taylor, H.J.; Downing, R.A. pp 139-58 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
UNITED KINGDOM;MINERAL SPRINGS;HOT SPRINGS; THERMAL WATERS;METEORIC WATER

1744 THERMAL, MINERAL, AND INDUSTRIAL WATERS OF THE SOVIET UNION. Makarenko, F.A.; Zaytsev, I.K.; Ivanov, V.V.; Mavritskiy, B.F. pp 159-77 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. A, Europe. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
USSR;THERMAL WATERS;MINERAL SPRINGS;NATURAL STEAM;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY; POWER POTENTIAL;VOLCANIC REGIONS;GEOTHERMAL RESOURCES;PROSPECTING

1745 MINERAL AND THERMAL WATERS OF CEYLON.
Fonseka, J.P.R.; Silva, N.R.de; Balendran, V.S.; Seneviratne, L.K. pp 9-19 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969).
From 23. International Geological Congress; Prague, Czech. (1968).
SRI LANKA;HOT SPRINGS;MINERAL SPRINGS; GEOLOGY;HYDROLOGY;*GROUND WATER*

1746 MINERAL AND THERMAL WATERS OF INDIA.
Chaterji, G.C. pp 21-43 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969).
From 23. International Geological Congress;

Prague, Czech. (1968).
INDIA;THERMAL WATERS;MINERAL SPRINGS; METEORIC WATER;MAGMATIC WATER

1747 THERMAL AND MINERAL SPRINGS OF SOUTH VIET NAM. Fontaine, H. pp 63-8 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
SOUTH VIETNAM;THERMAL WATERS;HOT SPRINGS; MINERAL SPRINGS;GEOTHERMAL EXPLORATION; DISTRIBUTION;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;TECTONICS;GEOLOGIC FAULTS;BASALT

1748 THERMOMINERAL WATERS OF TURKEY. Erentoez, C.; Ternek, Z. pp 75-84 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
TURKEY;GEOTHERMAL RESOURCES;HOT SPRINGS; MINERAL SPRINGS;GEOTHERMAL ENERGY;POWER POTENTIAL

1749 THERMAL AND THERMO-MINERAL SPRINGS OF THE CONGO DEMOCRATIC REPUBLIC. LeBail, A.; Buchstein, M. pp 87-104 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
ZAIRE REPUBLIC;THERMAL WATERS;HOT SPRINGS; MINERAL SPRINGS;GEOLOGY;CHEMICAL COMPOSITION; EXPLOITATION;USES

1750 THERMAL SPRINGS OF MALAWI. Kirkpatrick, I.M. pp 111-20 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
MALAWI;THERMAL WATERS;CHEMICAL COMPOSITION; TABLES;GEOLOGIC FAULTS;HOT SPRINGS

1751 MINERAL AND THERMAL WATERS OF RWANDA. Bertossa, A. pp 139-42 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
CENTRAL AFRICAN REPUBLIC;HOT SPRINGS;MINERAL SPRINGS

1752 THERMAL WATERS OF SWAZILAND. Hunter, D.R. pp 165-70 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
AFRICA;HOT SPRINGS;GRANITES;FLOW RATE; TEMPERATURE DISTRIBUTION

1753 SPRINGS OF DEEP SEATED ORIGIN IN TANZANIA. Walker, B.G. pp 171-80 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
TANZANIA;HOT SPRINGS;BRINES;GEOTHERMAL ENERGY;GEOLOGY

1754 MINERAL AND THERMAL WATERS OF TUNISIA. Djellouli, A. pp 181-90 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
TUNISIA;HOT SPRINGS;TECTONICS;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;THERMAL WATERS; MINERAL SPRINGS

1755 THERMAL AND MINERAL SPRINGS IN UGANDA. Dixon, C.G.; Morton, W.H. pp 191-200 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
UGANDA;HOT SPRINGS;MINERAL SPRINGS;BOREHOLES; TEMPERATURE MEASUREMENT;CALCIUM OXIDES;SODIUM CHLORIDES;THERMAL WATERS;CHEMICAL COMPOSITION

1756 RECENT REVIEW OF INVESTIGATIONS ON THE THERMAL AND MINERAL SPRINGS IN THE U.A.R. ElRamly, I.M. pp 201-13 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
EGYPTIAN ARAB REPUBLIC;HOT SPRINGS;MINERAL SPRINGS;THERMAL WATERS;SALINITY;CARBONATES; GEOLOGIC DEPOSITS;USES

1757 THERMAL AND MINERAL WATERS OF ZAMBIA. Reeve, W.H. pp 215-21 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
ZAMBIA;HOT SPRINGS;MINERAL SPRINGS

1758 MINERAL AND THERMAL WATERS OF CANADA. Souther, J.G.; Halstead, E.C. pp 225-56 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
CANADA;HOT SPRINGS;MINERAL SPRINGS;METEORIC WATER;HYDROLOGY;GEOLOGY

1759 THERMAL AND MINERAL WATERS IN CHILE. Sanchez Rojas, J. pp 257-63 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
CHILE;THERMAL WATERS;MINERAL SPRINGS;MAPS; TABLES

1760 SUMMARY OF MINERAL AND THERMAL WATERS IN AUSTRALIA. McLeod, I.R. pp 289-92 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
AUSTRALIA;HOT SPRINGS;MINERAL SPRINGS;BASALT; TEMPERATURE MEASUREMENT

1761 MINERAL AND THERMAL WATERS OF THE TERRITORY OF PAPUA AND NEW GUINEA. Heming, R.A. pp 293-304 of Proceedings of 23rd International Geological Congress, Prague, 1968; Symposium 2. Mineral and thermal waters of the world - Pt. B, Overseas countries. Prague; Academia (1969). From 23. International Geological Congress; Prague, Czech. (1968).
NEW GUINEA;THERMAL WATERS;GEOLOGY;MINERAL SPRINGS

1762 PRELIMINARY NOTES ON WATERS OF WARM SPRINGS OF THE CORDILLERA DE LA COSTA. Urbani P., F. Bol. Soc. Venezolana Geol.; 4: No. 3, 21-44(1969).
VENEZUELA;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;CHLORINE;SODIUM;SEAWATER; ABUNDANCE;METEORIC WATER;MINERAL SPRINGS

1763 GEOTHERMAL FIELD OF LARDERELLO (TUSCANY, ITALY). CARBOLI AREA. Cataldi, R.; Ferrara, G.C.; Stefani, G.; Tongiorgi, E. (ENEL, Rome, Italy). Bull. Volcanol.; 33: No. 1, 29-55(1969).
LARDERELLO GEOTHERMAL FIELD;EXPLORATION; THERMAL WATERS;CHEMICAL COMPOSITION;BORON; AMMONIA

1764 HYDROTHERMAL MERCURY MIGRATION STAGE. Aidin'yan, N.Kh.; Ozerova, N.A. Byull. Nauch.-Tekh. Inform. Min. Geol. SSSR, Ser. Geol., Metody Poiskov Razved. Mestorozhd. Tsvet., Redk. Blagorod. Met.; No. 1, 4-9(1969).
USSR;HOT SPRINGS;VOLCANIC REGIONS;CHEMICAL COMPOSITION;MERCURY;MINERALIZATION;ROCKS; HYDROTHERMAL ALTERATION;DATA;PH VALUE;THERMAL WATERS;ABUNDANCE

1765 THERMOMAGNETIC STUDY OF THE VOLCANIC ROCKS OF KAMCHATKA. Alypova, O.M. Akad. Nauk SSSR Sibirsk. Otdeleniye Vulkanol. Sta. Byull.; No. 45, 61-66(1969).
VOLCANOES;MAGMA;CHEMICAL COMPOSITION;ROCKS; USSR;IGNEOUS ROCKS;VOLCANIC ROCKS;MAGNETIC PROPERTIES

1766 PALEOMAGNETIC CORRELATION OF THE PLIOCENE-PLEISTOCENE VOLCANICS OF THE CENTRAL RANGE OF KAMCHATKA. Kochegura, V.V.; Ogorodov, N.V.; Kozhemyaka, N.N. Akad. Nauk SSSR Sibirsk. Otdeleniye Geologiya i Geofizika; No. 8, 81-90(1969). (In English summ.).
IGNEOUS ROCKS;GALENA;MAGNETIC PROPERTIES; USSR;VARIATIONS;VOLCANIC ROCKS;CORRELATIONS

1767 MICROEARTHQUAKES IN THE RIFT VALLEY OF KENYA. Tobin, D.G.; Ward, P.L.; Drake, C.L. Geol. Soc. Am., Bull.; 80: No. 10, 2043-2046(1969).
KENYA;GEOLOGIC FAULTS;MICROEARTHQUAKES; SEISMIC SURVEYS;GEOTHERMAL FIELDS;VOLCANOES;HOT SPRINGS;GEYSERS

1768 RADIUM-226 DISTRIBUTION IN HOT SPRINGS AND THE ORIGIN OF HIGHLY RADIOACTIVE SPRINGS. Iwasaki, I. (Tokyo Inst. Technol., Tokyo, Japan). Onsen Kogakkaishi; 7: No. 2, 109-14(1969). (In Japanese).
JAPAN;HOT SPRINGS;RADIUM 226;ABUNDANCE; GRANITES;RADON;HYDROLOGY;CHEMICAL ANALYSIS; RADIOACTIVITY

1769 HYDROGEOLOGICAL STUDY OF THE SOMA HOT SPRINGS AT YUNOSAWA, AKITA PREFECTURE, JAPAN. Kondo, C. (Fac. Educ., Akita Univ., Akita, Japan). Akita Daigaku Kyoikugakubu Kenkyu Kiyo, Shizen Kagaku; No. 19, 73-83(1969). (In Japanese).
JAPAN;HOT SPRINGS;GEOLOGIC FISSURES;CHLORINE COMPOUNDS;ABUNDANCE;CARBONATES;CHEMICAL COMPOSITION;PH VALUE;THERMAL WATERS;HYDROLOGY; GEOLOGY

1770 STUDY OF FUMAROLIC PRODUCTS OF SOME VOLCANOES OF THE ERTA ALE RANGE (ETHIOPIA). Martini, M. Soc. Italiana Mineralogia e Petrologia Rend.; 25: 1-16(1969). (English and French abstracts).
ETHIOPIA;VOLCANOES;FUMAROLES;CHEMICAL COMPOSITION;FUMAROLIC FLUIDS

1771 GEOTHERMAL STUDY OF TONGONAN SPRINGS, ORMOC CITY, LEYTE. Abiog, D.B. Geol. Soc. Philippines J.; 23: No. 2, 78-97(1969).
PHILIPPINES;HOT SPRINGS;HYDROTHERMAL SYSTEMS; TEMPERATURE DISTRIBUTION;FLOW RATE;THERMAL WATERS;MAGMATIC WATER;GEOTHERMAL RESOURCES

1772 SEISMIC POWER RECORDINGS DURING HYDROTHERMAL ERUPTIONS FROM RUAPEHU CRATER LAKE IN APRIL 1968. Dibble, R.R. J. Geophys. Res.; 74: No. 27, 6545-51(1969).
NEW ZEALAND;VOLCANOES;SEISMIC NOISE;LAKES

1773 HOT BRINES AND RECENT HEAVY METAL DEPOSITS IN THE RED SEA - GEOCHEMICAL AND GEOPHYSICAL ACCOUNT. Degens, E.T.; Ross, D.A. New York; United States of America (USA); Springer-Verlag (1969). 600p.
RED SEA;BRINES;THERMAL WATERS;SEDIMENTS; GEOLOGIC DEPOSITS;METALS;TEMPERATURE DISTRIBUTION;REVIEWS;CHEMICAL COMPOSITION

1774 VOLCANOES OF THE KRONOYSKIY AREA IN KAMCHATKA. Federenko, S.I.; Skripko, K.A. pp 98-121 of Vulkany i izverzheniya. Moscow; Akad. Nauk SSSR Sibirsk. Otdel. Inst. Vulkanologii (Izdatel'stvo ''Nauka'' (1969).
USSR;VOLCANIC REGIONS;GEOLOGY;CHEMICAL COMPOSITION;GEOPHYSICAL SURVEYS;FUMAROLIC FLUIDS;TECTONICS;STRATIGRAPHY

1775 BATHYMETRY AND CONTINUOUS SEISMIC PROFILES OF THE HOT BRINE REGION OF THE RED SEA. Ross, D.A.; Hays, E.E.; Allstrom, F.C. pp 82-97 of Hot brines and recent heavy metal deposits in the Red Sea. Degens, E.T.; Ross, D.A. (eds.). New York; Springer-Verlag (1969).
RED SEA;BRINES;SEISMIC SURVEYS;GEOLOGIC FAULTS;SEDIMENTS;METALS

1776 SULFUR ISOTOPE STUDIES ON RED SEA GEOTHERMAL BRINES AND SEDIMENTS. Kaplan, I.R.; Sweeney, R.E.; Nissenbaum, A. pp 474-98 of Hot brines and recent heavy metal deposits in the Red Sea. Degens, E.T.; Ross, D.A. (eds.). New York; Springer-Verlag (1969).
RED SEA;BRINES;GEOLOGIC DEPOSITS;SULFATES;

SULFIDES;SULFUR 34;SULFUR 32;SEDIMENTS;SULFUR ISOTOPES;ISOTOPE RATIO;TRACE AMOUNTS;THERMAL WATERS

1777 GEOCHEMICAL AND GEOLOGICAL FEATURES OF THE THERMAL SPRINGS OF GORNJA TREPCA. Arsenijevic, M.; Teofilovic, M. (Inst. Geol.-Rud. Sirovina, Belgrade, Yugoslavia). Rad. Inst. Geol.-Rud. Istraz. Ispit. Nuki. Drugih, Miner. Sirovina; No. 6, 235-42(1969).
YUGOSLAVIA;HOT SPRINGS;GEOCHEMISTRY;GEOLOGY; THERMAL WATERS;CHEMICAL COMPOSITION;LITHIUM; RUBIDIUM;CESIUM;STRONTIUM;ABUNDANCE

1778 GEOTHERMAL CHARACTERISTICS OF A PROFILE OF THE MESOZOIC-CENOZOIC SEDIMENTS OF SOUTHWESTERN TADZHIKISTAN. Gotgil'f, A.V.; Afanas'yeva, V.N.; Yusunov, I. pp 143-5 of Problemy neftegazonosnosti tadzhikistana, Vyp. 1. Dushanbe; Vses. Nauchono-Issled. Geologorazv. Neft. Inst. (1969).
USSR;GEOTHERMAL GRADIENTS;HEAT FLOW

1779 LEAD AND STRONTIUM ISOTOPES IN VOLCANIC ROCKS FROM NORTHERN HONSHU, JAPAN. Hedge, C.E.; Knight, R.J. Geochem. J. (Nagoya); 3: No. 1, 15-24(1969).
JAPAN;VOLCANIC ROCKS;BASALT;GRANITES;LEAD; STRONTIUM ISOTOPES;ISOTOPE RATIO;CHEMICAL COMPOSITION;ABUNDANCE

1780 INFRARED EXPLORATION FOR SHORELINE SPRINGS AT MONO LAKE, CALIFORNIA, TEST SITE. Keenan, L. pp 1075-100 of Symposium on remote sensing of environment, 6th International, Ann Arbor, Michigan, 1969, Proceedings, Volume 2. Ann Arbor, MI; Univ. Michigan, Willow Run Labs (1969).
CALIFORNIA;LAKES;GROUND WATER;INFRARED SURVEYS;TEMPERATURE DISTRIBUTION;AERIAL PROSPECTING

1781 FAULTS OF S. PEDRO DO SUL REGION AND THE CONDITIONS OF OCCURRENCE OF THERMAL WATERS. Custodio de Morais, J. Memorias e Noticias; No. 68, 62-4(1969).
PORTUGAL;THERMAL WATERS;HOT SPRINGS;GEOLOGIC FAULTS;GRANITES

1782 THERMAL WATERS OF UZBEKISTAN. Khasanov, A.S.; Grebenshchikova, T.B.; Tal-Virskii, B.B. Gidrogeol. Inzh. Geol. Aridnoi Zony SSSR; 9: 122-35(1969).
USSR;THERMAL WATERS;MAPS;ARTESIAN BASINS; CHEMICAL COMPOSITION;DEPTH;TEMPERATURE MEASUREMENT

1783 QUESTION OF THE ORIGIN OF THE GASTEIN THERMAL WATERS. Job, C.; Zotl, J. (Innsbruck Univ., Austria. Balneology Inst.; and Society of Hydrogeological Scientists, Graz, Austria). Graz; Austria; Steirische Beitrage zur Hydrogeologie (1969). 115p.
THERMAL WATERS;ORIGIN;CALCIUM CARBONATES; SULFATES;AUSTRIA;SURFACE WATERS;HOT SPRINGS

1784 ECONOMIC POTENTIAL OF THE RED SEA HEAVY METAL DEPOSITS. Bischoff, J.L.; Manheim, F.T. (Woods Hole Oceanographic Inst., MA; Geological Survey, Woods Hole, MA). pp 535-41 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
RED SEA;BRINES;THERMAL WATERS;GEOLOGIC DEPOSITS;IRON;ZINC;COPPER;LEAD;SILVER;GOLD; SEDIMENTS;ECONOMICS

1785 MINERALOGY AND MICROPALEONTOLOGY OF A GEOTHITE-BEARING RED SEA CORE. Hermann, Y.; Rosenberg, P.E. (Washington State Univ., Pullman. Dept. of Geology). pp 448-59 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
MINERALOGY;RED SEA;MINERALS;SPECTROSCOPY; GEOLOGIC DEPOSITS;ISOTOPE DATING;AGE ESTIMATION; CARBON 14;SEA BED;BRINES;THERMAL WATERS

1786 MICROSCOPIC AND ELECTRON BEAM MICROPROBE STUDY OF SULFIDE MINERALS IN RED SEA MUD SAMPLES. Stephens, J.D.; Wittkopp, R.W. (Kennecott Copper Corp., Salt Lake City, UT). pp 441-7 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
SULFIDES;MINERALS;RED SEA;SEDIMENTS;BRINES; THERMAL WATERS;ELECTRON MICROPROBE ANALYSIS; SAMPLING

1787 CHEMICAL COMPOSITION OF SEDIMENTS AND INTERSTITIAL BRINES FROM THE ATLANTIS II. DISCOVERY AND CHAIN DEEPS. Hendricks, R.L.; Reisbick, F.B.; Mahaffey, E.J.; Roberts, D.B.; Peterson, M.N.A. (Kennecott Copper Corp., Salt Lake City, Utah. Exploration Services; and Scripps Inst. of Oceanography, La Jolla, CA). pp 407-40 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
SEDIMENTS;BRINES;RED SEA;CHEMICAL COMPOSITION;SAMPLING;SODIUM CHLORIDES;IRON; COPPER;ZINC;METALS;PRECIPITATION

1788 RADIOCARBON CHRONOLOGY OF RED SEA SEDIMENTS. Thurber, D.L.; Mathieu, G.G. (Woods Hole Oceanographic Inst., MA; and Lamont Geological Observatory, Palisades, NY). pp 348-59 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
RED SEA;ISOTOPE DATING;AGE ESTIMATION; SEDIMENTATION;PRECIPITATION;SEA BED;SEAWATER; BRINES;THERMAL WATERS;SEDIMENTS

1789 RED SEA - GEOPHYSICAL BACKGROUND. Girdler, R.W. (Newcastle-upon-Tyne Univ., England. School of Physics). pp 38-58 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
RED SEA;GEOPHYSICS;BRINES;GEOLOGY

1790 MINERAL AND THERMAL WATERS OF THE TERRITORY OF PAPUA AND NEW GUINEA. Heming, R.F. (Bureau of Mineral Resources, Geology, and Geophysics, Canberra (Australia)). pp 293-304 of Proceedings of Symposium II on Mineral and Thermal Waters of the World. B - Overseas countries. Volume 19. Report of 23rd Session of International Geological Congress, 1968. Academia Prague (1969).
From 23. Session of Internal Geological Congress. Symposium II on Mineral and Thermal Waters of the World; (1968).
20° to 100°C. NEW GUINEA;VOLCANISM;THERMAL WATERS;TEMPERATURE MEASUREMENT;MEDIUM TEMPERATURE;MINERAL SPRINGS;HOT SPRINGS;USES; CHEMICAL COMPOSITION

1791 SCHEME OF GEOTHERMAL WATERS OF CENTRAL ASIA. Beder, B.A. (Sredneaziatskii Nauchno-Issled. Inst. Geologii i Mineralnogo Syria, Tashkent (USSR)). Dokl. Akad. Nauk Azerb. SSR;

25: 34-8(1969). (In Russian).
MAPS;DISTRIBUTION;ARTESIAN BASINS;BOREHOLES; GEOTHERMAL RESOURCES;USSR;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;THERMAL WATERS

1792 POSSIBLE THERMAL SPRING DEPOSIT IN THE ARAD AREA, ISRAEL. Issar, A.; Eckstein, Y.; Bogoch, R. (Geological Survey of Israel, Jerusalem). Isr. J. Earth-Sci.; 18: No. 1, 17-20(1969).
HOT SPRINGS;MINERAL SPRINGS;ISRAEL; GEOLOGICAL SURVEYS;DOLOMITE;CALCITE;ROCKS; CARBONATES;MINERALOGY;PRECIPITATION

1793 SOME CHARACTERISTICS OF THE WATERS OF GEORGIAN MUD VOLCANOES. Dzvelaya, M.F.; Aliyev, Ad.A. (Akad. Nauk Azer. SSR, Baku. Inst. Geologii). Soobshch. Akad. Nauk Gruz. SSR; 54: No. 1, 121-4(Apr 1969). (In Russian with English and Georgian summaries).
VOLCANOES;USSR;WATER CHEMISTRY;CARBONATES; SODIUM;CALCIUM;POTASSIUM;SULFATES;ORIGIN

1794 IMPORTANCE OF INFORMATION ON THE HYDROLOGICAL AND GEOTHERMAL SITUATION WITH RESPECT TO PROSPECTION OF NEW SOURCES OF LOW-ENTHALPY WATER IN SLOVAKIA. Franko, O. (Geological Institute of D. Stur, Bratislava, Slovakia (CSSR)). Geothermics; No. 2, 88-94(1970).
GEOTHERMAL RESOURCES;LITHOLOGY;TECTONICS; THERMAL WATERS;DISTRIBUTION;GEOLOGIC FAULTS; HEAT TRANSFER;CZECHOSLOVAKIA;HYDROLOGY

1795 GEOLOGY AND HYDROTHERMAL ALTERATIONS OF OTAKE GEOTHERMAL AREA, KUJYO VOLCANO GROUP, KYUSHU, JAPAN. Yamasaki, T. (Research Institute of Industrial Sci., Kyushu Univ., Japan); Matsumoto, Y.; Hayashi, M. Geothermics; No. 2, 197-207(1970).
JAPAN;OTAKE GEOTHERMAL FIELD;HYDROTHERMAL ALTERATION;GEOTHERMAL RESOURCES;GEOLOGIC FAULTS; VOLCANOES;GEOTHERMAL WELLS;FRACTURES;SEDIMENTS; STRATIGRAPHY;MINERALS;GEOLOGY;HOT SPRINGS; FUMAROLES

1796 GEOLOGICAL ENVIRONMENT OF MATSUKAWA GEOTHERMAL AREA, JAPAN. Nakamura, H.; Sumi, K. (Geological Surv. of Japan, Kawasaki-shi, Japan); Katagiri, K.; Iwata, T. Geothermics; No. 2, 221-31(1970).
JAPAN;MATSUKAWA GEOTHERMAL FIELD;GEOLOGY; GEOTHERMAL RESOURCES;VOLCANOES;IGNEOUS ROCKS; DRILLING;VOLCANIC ROCKS;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;SEISMIC SURVEYS;GEOLOGIC FAULTS;FRACTURES;STRATIGRAPHY;THERMAL WATERS; SEDIMENTS;TUFF

1797 PRELIMINARY STUDY ON THE RUIZ GEOTHERMAL PROJECT (COLOMBIA). Arango, E. (Central Hidroelectrica de Caldas (CHEC), Manizales, Colombia); Buitrago, A., J.; Cataldi, R.; Ferrara, G.C.; Panichi, C.; Villegas V., J. Geothermics; No. 2, 43-56(1970).
COLOMBIA;GEOTHERMAL RESOURCES;LITHOLOGY; STRATIGRAPHY;ROCKS;VOLCANIC ROCKS;IGNEOUS ROCKS; SOUTH AMERICA;GROUND WATER;GEOTHERMAL EXPLORATION

1798 ESTIMATION OF SUBSURFACE FLOWS AND PERMEABILITIES FROM TEMPERATURE AND PRESSURE DATA. Donaldson, I.G. (Physics and Engineering Lab., D.S.I.R., Lower Hutt, N.Z.). Geothermics; No. 2, 677-83(1970).
PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT; BOREHOLES;DISTRIBUTION;HYDRODYNAMICS;FLUID FLOW; PERMEABILITY;EQUATIONS OF MOTION;THERMAL WATERS; GEOTHERMAL FIELDS;BROADLANDS GEOTHERMAL FIELD; NEW ZEALAND;HYDROLOGY

1799 DEVELOPMENT OF A THEORY OF THE WAIRAKEI GEOTHERMAL FIELD BY THE ''SIMPLEST CASES FIRST'' TECHNIQUE. Marshall, D.C. (Auckland Industrial Dev. Div., D.S.I.R., Auckland, N.Z.). Geothermics; No. 2, 669-76(1970).
WAIRAKEI GEOTHERMAL FIELD;PRESSURE MEASUREMENT;PERFORMANCE;THERMAL WATERS;GROUND WATER;NEW ZEALAND;HYDRODYNAMICS;FLUID FLOW; BOREHOLES

1800 SOME THEORETICAL CONSIDERATIONS ON HYDROTHERMAL SYSTEM DUE TO CRACKS. Nogucki, T.; Nishikawa, K.; Ito, T.; Ushijima, K. (Faculty of Engineering, Kyushu Univ., Fukuoka, Japan). Geothermics; No. 2, 655-61(1970).
Miocine porous sediments. JAPAN;GEOTHERMAL FIELDS;THERMAL WATERS;SEDIMENTARY ROCKS; PERMEABILITY;GEOTHERMAL WELLS;POROSITY;CRACKS; OTAKE GEOTHERMAL FIELD;HYDROTHERMAL SYSTEMS;HOT-WATER SYSTEMS;GEOLOGIC FISSURES

1801 SIMULATION OF GEOTHERMAL SYSTEMS WITH A SIMPLE CONVECTIVE MODEL. Donaldson, I.G. (Physics and Engineering Lab., Dept. of Scientific and Industrial Research, Lower Hutt, N.Z.). Geothermics; No. 2, 649-54(1970).
HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;HOT SPRINGS;FUMAROLES;DIMENSIONS;PERMEABILITY; TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS; HYDROTHERMAL SYSTEMS;SIMULATION;CONVECTION

1802 CONTRIBUTION TO THE KNOWLEDGE OF THE LARDERELLO GEOTHERMAL REGION: REMARKS ON THE TRAVALE FIELD. Cataldi, R. (ENEL, Direzione Studi e Ricerche, Centro di Ricerca Geotermica, Pisa, Italy); Rossi, A.; Squarci, P.; Stefani, G.; Taffi, L. Geothermics; No. 2, 587-602(1970).
Physical characteristic of fluid, evolution of field. LARDERELLO GEOTHERMAL FIELD;GEOLOGY; ITALY;THERMAL WATERS;TEMPERATURE MEASUREMENT; PHYSICAL PROPERTIES;STEAM;GEOTHERMAL WELLS

1803 SUBSURFACE STRUCTURES AND RELATION TO STEAM PRODUCTION IN THE BROADLANDS GEOTHERMAL FIELD, NEW ZEALAND. Grindley, G.W. (N. Z. Geol. Surv., Lower Hutt, New Zealand). Geothermics; No. 2, 248-61(1970).
BROADLANDS GEOTHERMAL FIELD;NEW ZEALAND; STRATIGRAPHY;AGE ESTIMATION;GRAYWACKE;GEOLOGIC FAULTS;STEAM;LAYERS;DRY-STEAM SYSTEMS; EXPLORATION;GEOLOGY;AQUIFERS

1804 RESULT OF THE PRELIMINARY GEOLOGICAL INVESTIGATION OF NATURAL STEAM FIELDS IN INDONESIA. Zen, M.T. (Bandung Institute of Technology, Indonesia); Radja, V.T. Geothermics; No. 2, 130-5(1970).
GEOTHERMAL ENERGY;HYDROTHERMAL SYSTEMS; NATURAL STEAM;GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS;GEOLOGY;INDONESIA;HOT SPRINGS; STRATIGRAPHY;GEOLOGIC FAULTS;GEOTHERMAL RESOURCES

1805 AIR CONVECTION WITHIN ''MONTANA DEL FUEGO'' (LANZAROTE ISLAND, CANARY, ARCHIPELAGO). Calamai, A.; Ceron, P. (ENEL, Direzione Studi e Ricerche, Centro di Ricerca Geotermica, Pisa, Italy). Geothermics; No. 2, 611-14(1970).
300-700°C, permeable volcanic rock. AIR; SUPERHEATING;VOLCANIC ROCKS;PETROLOGY; CONVECTION;ISLANDS;PACIFIC OCEAN;LAVA;FRACTURES; VOLCANOES;HEAT TRANSFER

1806 RELATIONSHIPS OF GEOTHERMAL CONDITIONS TO STRUCTURAL AND HYDROGEOLOGICAL FEATURES IN THE ROCCAMONFINA REGION (NORTHERN CAMPANIA, ITALY). Barbier, E.; Burgassi, P.D. (CNR, Istituto Internazionale per le Ricerche Geotermiche, Pisa, Italy); Calamai, A.; Cataldi, R.; Ceron, P. Geothermics; No. 2, 603-10(1970).
GEOTHERMAL FIELDS;GEOLOGY;GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS;GRAVITATIONAL FIELDS;ELECTRICAL SURVEYS;TEMPERATURE GRADIENTS; DRILLING;HEAT TRANSFER;IGNEOUS ROCKS;HYDROLOGY; ITALY

1807 HYDROTHERMAL ALTERATION AS AN AID IN INVESTIGATING GEOTHERMAL FIELDS. Browne, P.R.L. (N.Z. Geol. Surv., Lower Hutt; Geol. Dept., Victoria, Univ. of Wellington, N.Z.). Geothermics; No. 2, 564-70(1970).
MINERALS;DRILL CORES;PERMEABILITY;FELDSPARS; STEAM;NEW ZEALAND;BOREHOLES;EXPLORATION;DRILL CORES;BROADLANDS GEOTHERMAL FIELD;HYDROTHERMAL ALTERATION;GEOLOGIC SURVEYS

1808 NET MASS LOSS FROM THE WAIRAKEI GEOTHERMAL FIELD, NEW ZEALAND. Hunt, T.M. (Geophysics Div., Dept. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 487-91(1970).
Monitoring of water loss using gravimeter. WAIRAKEI GEOTHERMAL FIELD;NEW ZEALAND;AQUIFERS; LOSSES;GRAVITATIONAL FIELDS;MONITORING; GRAVIMETRY;ENVIRONMENTAL EFFECTS;GEOTHERMAL FLUIDS;GROUND WATER;LEVELS;MASS TRANSFER;FLUID FLOW

1809 LOW PERMEABILITY OF A THICK GEOTHERMAL AQUIFER IN A HIGHLY FRACTURED AREA AS A NECESSARY REQUISITE FOR HIGH STEAM PRODUCTION. Isita y Septien, J. (Depto. de Investigaciones Industriales, Banco de Mexico-Mexico City, Mexico). Geothermics; No. 2, 684-97(1970).
PERMEABILITY;AQUIFERS;FRACTURES;HEAT TRANSFER;HYDROTHERMAL SYSTEMS;NATURAL STEAM; GEOLOGY;SEDIMENTARY ROCKS;HYDRODYNAMICS; TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT; GEOTHERMAL FIELDS;PRODUCTION;GEOTHERMAL WELLS; SCALING;LIFETIME;MEXICO

1810 SURVEY OF THERMAL SPRINGS IN WASHINGTON STATE. Campbell, K.V.; Miers, J.H.; Nichols, B.M.; Oliphant, J.; Pytlak, S.; Race, R.W.; Shaw, G.H.; Gresens, R.L. Northwest Sci.; 44: No. 1, 1-11(1970).
HOT SPRINGS;WASHINGTON;THERMAL WATERS; CHEMICAL COMPOSITION;GROUND WATER;CARBON DIOXIDE;CALCIUM;GEOTHERMAL RESOURCES; GEOCHEMICAL SURVEYS

1811 PROGRAM STATEMENT FOR REGIONAL GEOLOGIC STUDIES IN REMOTE SENSING, YELLOWSTONE NATIONAL PARK. Smedes, H.W. (NASA). pp 15-1--15-9 of Earth resources aircraft program status review. Houston; NASA Manned Spacecraft Center (1970).
From Geology, geography, and sensor studies; Houston, TX (1970).
YELLOWSTONE NATIONAL PARK;REMOTE SENSING; GEOPHYSICAL SURVEYS;GEOLOGY;ROCKS;TECTONICS; MAPS;GEOLOGICAL SURVEYS

1812 GEOHYDROLOGY OF THE LAUGARNES HYDROTHERMAL SYSTEM IN REYKJAVIK, ICELAND. Thorsteinsson, T.; Eliasson, J. (National Energy Authority, Reykjavik, Iceland). Geothermics; Special Issue 2: 1191-1204(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HYDROLOGY;GEOLOGY;STRATIGRAPHY;WATER;LEVELS; HYDROTHERMAL SYSTEMS;ICELAND;GEOTHERMAL WELLS

1813 GEOTHERMAL FIELDS IN JAPAN CONSIDERED FROM THE GEOLOGICAL AND PETROLOGICAL VIEW POINT. Ishikawa, T. (Hokkaido Univ., Dept. Geology and Mineralogy, Sapporo, Japan). Geothermics; Special Issue 2: 1205-11(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL FIELDS;GEOLOGY;DISTRIBUTION;MAGMA; HOT SPRINGS;LAVA;IGNEOUS ROCKS;JAPAN;VOLCANOES; PETROLOGY

1814 GEOTHERMAL SYSTEM OF THE HAKONE VOLCANO. Oki, Y.; Hirano, T. (Hot Spring Res. Inst. of Kanagawa Prefecture, Hakone-Yumoto, Kanagawa, Japan). Geothermics; Special Issue 2: 1157-66(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL FIELDS;VOLCANOES;JAPAN;THERMAL WATERS;FUMAROLES;CHEMICAL COMPOSITION;GROUND WATER;HOT SPRINGS;DRY-STEAM SYSTEMS;SODIUM CHLORIDES;SULFATES;CARBONATES;GEOTHERMAL RESOURCES;HYDROTHERMAL SYSTEMS

1815 AFAR TRIANGLE. Tazieff, H. Sci. Am.; 222: No. 2, 32-40(1970).
Power potential of geothermal areas under the Red Sea. RED SEA;VOLCANIC REGIONS; GEOTHERMAL RESOURCES;THERMAL WATERS;STEAM;POWER POTENTIAL;ELECTRIC POWER

1816 INFLUENCE OF RIVERS ON GEOTEMPERATURES. Mongelli, F. (Univ. Bari, Italy). Ann. Geofis. (Rome); 23: No. 2-3, 205-12(1970).
GEOTHERMAL FIELDS;TEMPERATURE DISTRIBUTION; RIVERS

1817 SOME INVESTIGATIONS OF THE DEPOSITION OF TRAVERTINE FROM HOT SPRINGS (PT. 1. ISOTOPIC CHEMISTRY OF A TRAVETINE-DEPOSITING SPRING). Friedman, I. Geochim. Cosmochim. Acta; 34: No. 12, 1303-15(1970).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; LIMESTONE;THERMAL WATERS;ISOTOPE RATIO; DEPOSITION;CARBON 13;OXYGEN 18;CALCIUM CARBONATES;CARBON DIOXIDE;ARAGONITE;CALCITE;PH VALUE

1818 RADIOGENIC HEAT PRODUCTION IN PREBATHOLITHIC ROCKS OF THE CENTRAL SIERRA NEVADA. Wollenberg, H.A.; Smith, A.R. J. Geophys. Res.; 75: No. 2, 431-8(1970).
CALIFORNIA;MOUNTAINS;ROCKS;RADIOACTIVITY; MELTING;HEAT;GEOLOGIC DEPOSITS;ROCKS

1819 GEOTHERMAL ACTIVITY OF THE EARTH AND DISTRIBUTION OF HYDROCARBON DEPOSITS. Erofeev, V.F. (Vses. Nauchno-Issled. Geologorazved Neft. Inst., Moscow, USSR). Sov. Geol.; 13: No. 11, 142-7(1970).
USSR;GEOTHERMAL FIELDS;GEOLOGY;PETROLEUM; NATURAL GAS;GEOLOGIC DEPOSITS;ABUNDANCE; EXPLORATION;HYDROCARBONS;TEMPERATURE DEPENDENCE

1820 HEAT FLOW BETWEEN THE CARIBBEAN SEA AND THE MID-ATLANTIC RIDGE. VonHerzen, R.P.; Simmons, G.; Folinsbee, A. J. Geophys. Res.;

75: No. 11, 1973-84(1970).
CARIBBEAN SEA;ATLANTIC OCEAN;HEAT FLOW; TECTONICS

1821 CRUSTAL THICKNESS IN KAMCHATKA. Pavlov, Yu.A.; Yunov, A.Yu. Dokl. Akad. Nauk SSSR; 191: No. 1, 194-6(1970).
USSR;EARTH CRUST;THICKNESS;VOLCANOES; TECTONICS;GECLOGY

1822 THERMAL REGIME IN THE INTERIOR OF THE USSR. Makarenko, F.A.; Polak, B.G. (eds.). Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR Geol. Inst. Tr., No. 218 (1970). 224p.
USSR;HEAT FLOW;GEOTHERMAL RESOURCES;GEOLOGY; ROCKS;GROUND WATER;EARTH CRUST

1823 AFAR TRIANGLE. Tazieff, H. Sci. Am.; 222: No. 2, 32-40(1970).
AFRICA;SHORES;GEOTHERMAL FIELDS;GEOLOGY; BASALT;TECTONICS;GEOTHERMAL RESOURCES

1824 THERMAL SPRINGS IN TUMROK RIDGE (EASTERN KAMCHATKA) AND THEIR MINERAL DEPOSITS. Petrov, V.S. pp 144-57 of Mineral. Gigroterm. Sist. Kamchatki Kuril'skikh Ostrovov. Naboko, S.I. (ed.). Moscow; ''Nauka'' (1970).
USSR;HOT SPRINGS;GEOLOGIC DEPOSITS;VOLCANIC REGIONS;CHEMICAL COMPOSITION;TECTONICS; MINERALIZATION;MINERALS;CHLORIDES;CARBONATES; SULFATES;IRON HYDROXIDES;IRON SULFATES;THERMAL WATERS

1825 HYDROTHERMAL MINERALS IN GORYACHII PLYAZH, KUNASHIR ISLAND. Naboko, S.I.; Glavatskikh, S.F. pp 48-71 of Mineral. Gidroterm. Sist. Kamchatki Kuril'skikh Ostrovov. Naboko, S.I. (ed.). Moscow; ''Nauka'' (1970).
USSR;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; MINERALS;MONTMORILLONITE;CHLORITE MINERALS; SYNTHESIS;THERMAL WATERS;CHEMICAL COMPOSITION; MINERALIZATION;MAGNESIUM SULFATES;CALCIUM SULFATES;CARBONATES;TUFF;ZEOLITES;EPIDOTES; ANHYDRITE;SILICON OXIDES;DIFFERENTIAL THERMAL ANALYSIS;QUARTZ

1826 COMPOSITION AND STRUCTURE OF RECENT HYDROTHERMAL GREEN MINERALS IN THE GORYACHII PLYAZH DEPOSIT, KUNASHIR ISLAND. Naboko, S.I.; Berkhin, S.I. pp 71-8 of Mineral. Gidroterm. Sist. Kamchatki Kuril'skikh Ostrovov. Naboko, S.I. (ed.). Moscow; ''Nauka'' (1970).
USSR;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; MINERALS;MICA;CHLORITE MINERALS;MONTMORILLONITE; QUARTZ;CALCITE;ZEOLITES;APATITES;SYNTHESIS; CHEMICAL COMPOSITION;THERMAL WATERS; MINERALIZATION;CALCIUM SILICATES;ALUMINIUM SILICATES;TITANIUM SILICATES

1827 SOME UNIQUE GEOLOGICAL FEATURES AT THE BLUEBELL MINE, RIONDEL, BRITISH COLUMBIA. Shannon, F.G. (Cominco, Ltd., Riondel, B.C.). Bull. Wash., Div. Mines Geol.; No. 61, 107-20(1970).
BRITISH COLUMBIA;THERMAL WATERS;GALENA; PYRITES;MINERALS;GEOLOGIC FAULTS;CHEMICAL COMPOSITION;CHLORINE;ZINC;EXPLOITATION; SPHALERITES;LIMESTONE

1828 GEOTHERMAL CONDITIONS IN THE SIBERIAN PLATFORM AT THE TIME OF TRAP ROCK FORMATION. Makarenko, G.F. Dokl. Akad. Nauk SSSR; 193: No. 5, 1134-6(1970).
USSR;GEOLOGY;GEOTHERMAL SYSTEMS;HEAT FLOW

1829 GEOTHERMY OF LAKE BAYKAL REGION. Lysak, S.V. Int. Geol. Rev.; 12: No. 9, 1155-8(1970).
USSR;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES

1830 HEAT FIELDS AND DEEP STRUCTURE IN THE EASTERN CARPATHIANS. Kutas, R.I.; Gordiyenko, V.V. Geofiz. Sb.; No. 35, 70-7(1970).
USSR;GEOTHERMAL RESOURCES;HEAT FLOW;GEOLOGY

1831 MEASUREMENTS OF STEAM AND GROUND TEMPERATURES AT SOME FUMAROLES AND STEAMING GROUNDS IN IWATE VOLCANOES (I). Suzuki, Z.; Kasahaa, M.; Ihara, N.; Terata, K. Bull. Volcanol. Soc. Jap.; 14: No. 3, 158(1970).
JAPAN;VOLCANIC REGIONS;FUMAROLES;FUMAROLIC FLUIDS;TEMPERATURE MEASUREMENT;VOLCANOES;SOILS; ROCKS;GEOTHERMAL ENERGY

1832 GEOLOGY OF VOLCANIC GEOTHERMAL AREAS IN FUKUSHIMA PREFECTURE (I). Iwanaga, M. Bull. Volcanol. Soc. Jap.; 14: No. 3, 157-8(1970).
JAPAN;VOLCANIC REGIONS;GEOTHERMAL EXPLORATION;GEOLOGY;GEOTHERMAL FIELDS

1833 GEOTHERMAL SYSTEM OF HAKONE VOLCANO. Oki, Y.; Hirano, T.; Tajima, Y. Bull. Volcanol. Soc. Jap.; 14: No. 3, 155(1970).
JAPAN;VOLCANOES;GEOTHERMAL SYSTEMS

1834 EXCURSION TO A VOLCANO CRATER. Yemel'yanov, Ye.M.; Litvin, V.M.; Kharin, G.S. Priroda; No. 10, 90-3(1970).
WEST INDIES;GEOTHERMAL FIELDS;HYDROTHERMAL ALTERATION;ROCKS;FELDSPARS;PYROXENES;HOT SPRINGS;KAOLIN;PHOSPHATES;MANGANESE;VOLCANIC REGIONS

1835 RECENT FLUORITE IN CORE SAMPLE OF BOLSHE-BANNOE DEPOSIT OF HYDROTHERMAL WATERS, KAMCHATKA. Karpov, G.A. pp 110-16 of Mineral. Gidroterm. Sist. Kamchatki Kuril'skikh Ostrovov. Naboko, S.I. Moscow; ''Nauka'' (1970).
FLUORIDES;USSR;HYDROTHERMAL SYSTEMS;MINERALS; HYDROTHERMAL ALTERATION;FLUORITE;CHEMICAL COMPOSITION;THERMAL WATERS;QUARTZ;CHLORITE MINERALS;ANHYDRITE;ANALCIME;ZEOLITES;AMMONIUM COMPOUNDS;SODIUM COMPOUNDS;POTASSIUM COMPOUNDS; CALCIUM COMPOUNDS;IRON COMPOUNDS;CHLORIDES; SULFIDES;SULFATES;CARBONATES

1836 HYDROGEOLOGY OF THE USSR. VOLUME 16. WEST SIBERIAN PLAIN. Nudner, V.A. (All-Union Scientific Research Inst. of Hydrogeology and Engineering Geology, Moscow). Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Nedra' (1970). 368p.
THERMAL WATERS;HYDROLOGY;GEOLOGY;ARTESIAN BASINS;GROUND WATER;WATER RESOURCES;GEOLOGIC STRUCTURES;MINERAL SPRINGS;BALNEOLOGY;USSR;USES

1837 CALCIUM CARBONATE EQUILIBRIUM OF VARIOUS MINERAL WATERS OF EASTERN SAYAN. Levchenko, V.M.; Shpeyzer, G.M.; Selina, N.A. (Irkutskii Gosudarstvennyi i Universitet, USSR). pp 3-7 of Kharakteristika i formirovaniye khimicheskogo sostava atmosfernykh vod i vod susshi. Metody ikh izucheniya. Gidrokhimicheskiye Materialy. Volume 54. (1970).
CALCIUM CARBONATES;MINERAL SPRINGS;USSR; EQUILIBRIUM;GASES;THERMAL WATERS;AQUEOUS

SOLUTIONS;PRECIPITATION

1838 GROUNDWATERS OF THE MANGYSHLAK--UST URT OIL- AND GAS-BEARING REGION. Sydykov, Zh.S.; Kukabayev, E.; Kugeshev, A.K.; Vishnyakov, A.S.; Kulikov, G.V. (Akad. Nauk Kazakhskoi SSR, Alma-Ata. Inst. Gidrogeologii i Gidrofiziki). Alma-Ata; Union of Soviet Socialist Republics (USSR); ''Nauka' Publishing House (1970). 202p.
GROUND WATER;USSR;DISTRIBUTION;ORIGIN; HYDRODYNAMICS;WATER CHEMISTRY;USES;THERMAL WATERS;FRESH WATER;GEOTHERMAL HEATING; BALNEOLOGY

1839 SEASONAL VARIATIONS, SULPHUR MOUNTAIN HOT SPRINGS, BANFF, ALBERTA. Van Everdingen, R.O. Inland Waters Branch Technical Bulletin No. 33. Ottawa, Ontario; Canada; Canada Dept. of Energy, Mines and Resources (1970). 11p.
HOT SPRINGS;SULFUR;CANADA;SEASONAL VARIATIONS;MIXING;CHEMICAL COMPOSITION;CHEMICAL PROPERTIES;PHYSICAL PROPERTIES

1840 WATER RESOURCES OF THE HEBER--KAMAS--PARK CITY AREA, NORTH-CENTRAL UTAH. Baker, C.H., Jr.; Peterson, D.L. (Geol. Surv., Salt Lake City, UT). Technical Publication No. 27. United States of America (USA); Utah Dept. of Natural Resources, Div. of Water Rights (1970). 79p.
WATER RESOURCES;UTAH;GROUND WATER;HOT SPRINGS;WELLS;SURFACE WATERS;HYDROLOGY;AQUIFERS; FLOW RATE;THERMAL WATERS

1841 HYDROGEOLOGICAL OBSERVATIONS ON SUBTHERMAL AND HYPOTHERMAL SPRINGS IN THE RIVERA DEI BERICI REGION (VICENZA). Calvino, F.; Constantini, P. (Ist; Geol., Univ. Padova, Padua, Italy). Atti Mem. Accad. Patavina Sci., Lett. Arti 1969--1970; 82 (Pt. 2): 163-88(1970).
HOT SPRINGS;HYDROLOGY;GEOLOGY;ITALY;MEDIUM TEMPERATURE;CALCIUM CARBONATES;CALCIUM SULFATES; SODIUM SULFATES

1842 (AD--708433) CHARACTERISTICS OF THE GEOPHYSICAL FIELDS IN THE TERRITORY OF THE USSR. Soloveva, N.M. Jan 1970. Translated by H. Tomas of Vol. 2, pp 15-52 from Geologicheskoe Stroenie, SSSR, Moscow, 1968. 56p. NTIS $3.00.
USSR;GEOPHYSICS;GEOTHERMAL FIELDS; GEOPHYSICAL SURVEYS;GEOLOGY;GEOLOGIC STRUCTURES

1843 GEOHYDROLOGIC INTERPRETATIONS OF A VOLCANIC ISLAND FROM ENVIRONMENTAL ISOTOPES. Davis, G.H.; Lee, C.K.; Bradley, E.; Payne, B.R. (Geological Survey, Washington, DC; Atomic Energy Research Inst., Seoul (South Kora); International Atomic Energy Agency, Vienna, Austria). Water Resour. Res.; 6: No. 1, 99-109(Feb 1970).
VOLCANIC REGIONS;REPUBLIC OF KOREA;HYDROLOGY; FLUID FLOW;ISOTOPE RATIO;RADIOCHEMICAL ANALYSIS; TRITIUM;GEOLOGY

1844 MUD VOLCANOES IN NEW ZEALAND. Ridd, M.F. (British Petroleum Co., Ltd., Bangkok, Thailand). Am. Assoc. Pet. Geol. Bull.; 54: No. 4, 601-16(Apr 1970).
VOLCANOES;SOILS;NEW ZEALAND;SEDIMENTS; GEOLOGIC FISSURES;GEOLOGIC FAULTS

1845 THERMAL WATERS OF FOLD AND PLATFORM REGIONS OF THE USSR. Mavritskiy, B.F. (All-Union Sci. Res. Inst. of Hydrogeology and Eng. Geo., Moscow (USSR). Moscow; United States of America (USA); Izdatel'stvo 'Nauka' (1971). 244p. (In Russian).
USSR;THERMAL WATERS;GEOLOGIC DEPOSITS; TEMPERATURE DISTRIBUTION;CHEMICAL COMPOSITION; MINERALIZATION;GEOTHERMAL ENERGY;USES;ECONOMICS; GEOTHERMAL RESOURCES

1846 STRUCTURE AND EVOLUTION OF THE KENYA RIFT VALLEY. Baker, B.H.; Wohlenberg, J. Nature (London); 229: No. 5286, 538-42(1971).
KENYA;GEOLOGIC FAULTS;VOLCANIC REGIONS; GEOLOGY

1847 KERCH-TAMAN HYDROGEOCHEMICAL AND MUD VOLCANO REGION. Al'bov, S.V. (Simferopol. Fil., Sevastopol. Priborostroit. Inst., Simferopol, USSR). Dokl. Akad. Nauk SSSR; 197: No. 1, 175-7 (Hydrogeol)(1971).
USSR;VOLCANIC REGIONS;GEOLOGY;HYDROLOGY; CLAYS;GEOTHERMAL GRADIENTS;GEOCHEMISTRY; VOLCANOES

1848 MAGMATISM IN ICELAND. Baskina, V.A. (Inst. Geol. Rudn. Mestorozhd., Petrogr., Mineral., Geokhim., USSR). Sov. Geol.; 14: No. 1, 94-108(1971).
ICELAND;IGNEOUS ROCKS;GRANITES;BASALT; THERMAL WATERS;GEOLOGY;PETROLOGY;MAGMA

1849 FORMS OF LEAD MIGRATION IN CHELEKEN THERMAL BRINES UNDER PLUTON CONDITIONS. Lebedev, L.M.; Nikitina, I.B. (Inst. Geol. Rudn. Mestorozhd. Petrogr., Miner. Geokhim., Moscow, USSR). Dokl. Akad. Nauk SSSR; 197: No. 5, 1179-81(1971). (In Russian).
USSR;THERMAL WATERS;BRINES;LEAD;BOREHOLES; ADSORPTION;LEAD CHLORIDES;PH VALUE;HYDROCHLORIC ACID;DIFFUSION

1850 RECENT HYDROTHERMAL ACTIVITY IN THE REGION OF THE KARYMSKII VOLCANO. Ivanov, B.V.; Shuvalov, R.A. (USSR). Byull. Vulkanol. Sta., Akad. Nauk SSSR; No. 47, 65-8(1971). (In Russian).
USSR;THERMAL WATERS;VOLCANIC ROCKS;CHEMICAL COMPOSITION;SULFATES;CARBONATES;SILICIC ACID

1851 VITTEL WATERS. Brun, P. (Soc. Gen. Eaux Miner. Vittel, Vittel en Forets, Fr.). Pharm. Fr.; No. 11, 445-53(1971). (In French).
FRANCE;THERMAL WATERS;MINERAL SPRINGS; CHEMICAL COMPOSITION;BALNEOLOGY;HOT SPRINGS

1852 MERCURY CONTENT OF SEVERAL ACID HOT SPRINGS IN JAPAN. Ohta, N.; Terai, M. (Fac. Sci., Tokyo Metrop. Univ., Tokyo, Japan). Bull. Chem. Soc. Jpn.; 44: No. 4, 1153-4(1971). (In English).
JAPAN;HOT SPRINGS;THERMAL WATERS;PHOTOMETRY; PH VALUE;MERCURY;ABUNDANCE;CHEMICAL COMPOSITION

1853 HYDROGRAPHIC OBSERVATIONS ON THE RED SEA BRINES INDICATE A MARKED INCRASE IN TEMPERATURE. Brewer, P.G.; Wilson, T.R.S.; Murray, J.W.; Munns, R.G.; Densmore, C.D. Nature (London); 231: No. 5297, 37-8(1971).
RED SEA;BRINES;TEMPERATURE MEASUREMENT; THERMAL WATERS

1854 GREATER BANNAYA HYDROTHERMAL SYSTEM IN KAMCHATKA. Kraevoi, Yu. A.; Kovalenko, V.A.; Ebtukhov, A.D. (Kamchat. Territ. Geol. Upr.,

USSR). pp 246-53 of Vulkanizm Glubiny Zemli, Mater. Vses. Vulkanol. Soveshch., 3rd. Markhinin, E.K. (ed.). Moscow; Nauka (1971).
USSR;HYDROTHERMAL SYSTEMS;EXPLOITATION; THERMAL WATERS;CHEMICAL COMPOSITION;HEAT FLOW; MINERALS;CHLORINE COMPOUNDS;SULFATES;SODIUM; HEAT;ENERGY YIELD

1855 PARATUNSK HYDROTHERMAL SYSTEM IN KAMCHATKA. Manukhin, Yu. F.; Vorob'ev, V.I.; Vorozheikina, L.A.; Mal'tseva, K.I.; Fedorenko, S.I. (Kamchat. Territ. Geol. Upr., USSR). pp 253-61 of Vulkanizm Glubiny Zemli, Mater. Vses. Vulkanol. Soveshch., 3rd. Markhinin, E.K. (ed.). Moscow; Nauka (1971).
USSR;HYDROTHERMAL SYSTEMS;THERMAL WATERS; CHEMICAL COMPOSITION;MINERALS;HEAT;ENERGY YIELD; GEOTHERMAL WELLS;PARATUNKA GEOTHERMAL FIELD; MINERALS

1856 VOLCANIZM AND THE THERMAL SPRINGS OF THE UZON-SEMYACHIKSK GEOTHERMAL REGION KAMCHATKA. Aber'ev, V.V.; Bogoyavlenskaya, G.F.; Braitseva, O.A.; Vakin, E.A.; Pilipenko, G.F. (Inst. Vulkanol., Petropavlovsk-Kamchatskii, USSR). pp 207-11 of Vulkanizm Glubiny Zemli, Mater. Vses. Vulkanol. Soveshch., 3rd. Markhinin, E.K. (ed.). Moscow; Nauka (1971).
USSR;HYDROTHERMAL SYSTEMS;THERMAL WATERS; GEYSERS;CHEMICAL COMPOSITION;HEAT;ENERGY YIELD; FUMAROLES;VOLCANIC ROCKS;HOT SPRINGS;FUMAROLIC FLUIDS

1857 STRUCTURAL LOCALIZATION OF QUATERNARY VOLCANOES IN SOUTH KAMCHATKA. Steinberg, G.S. Mod. Geol.; 2: No. 1, 31-9(1971).
USSR;GEOLOGY;MAGMA;GEOLOGIC FAULTS;EARTH CRUST;VOLCANOES;BASALT;LAYERS

1858 LIMNOLOGY OF SWETGANGA, A THERMAL SPRING OF BAKRESWAR, WEST BENGAL, INDIA. Jana, B.B.; Sarkar, H.L. (Dep. Zool., Visva-Bharati Univ. Santiniketan, India). Hydrobiologia ; 37: No. 1, 33-47(1971).
INDIA;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;PLANKTON;ALGAE;CALCIUM CARBONATES; CHLORIDES;NITRATES;PHOSPHATES;SILICATES;PH VALUE;LIMNOLOGY

1859 RESULTS OF GEOPHYSICAL STUDIES ON THE PARATUNKA GEOTHERMAL DEPOSITS. Denisik, V.A.; Zaytsev, I.M. Geol. Geofiz.; No. 7, 92-100(1971). (In Russian with English summary).
PARATUNKA GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;SEISMIC SURVEYS; BOREHOLES;WELL LOGGING;TECTONICS;TEMPERATURE DISTRIBUTION;WELL LOGGING

1860 GEOLOGY OF THE TATIO GEYSERS GEOTHERMAL AREA, ANTOFAGASTA PROVINCE. Sanchez Royas, J. pp 30-1 of Resumenes de tesis aprobadas, 1966-70. Chile; Univ., Fac. Cienc. Fis. Mat., Dept. Geol., Ser. Comun., No. 14 (1971).
GEOLOGY;STRATIGRAPHY;LITHOLOGY;EL TATIO GEOTHERMAL FIELD;CHILE

1861 SEISMIC PROSPECTING TO FIND HEAT SOURCE AT MATSUKAWA GEOTHERMAL FIELD. Hayakawa, M.; Takeuchi, H. Bull. Volcanol. Soc. Jap.; 16: No. 1, 39(1971).
MATSUKAWA GEOTHERMAL FIELD;SEISMIC SURVEYS; GEOTHERMAL EXPLORATION;JAPAN

1862 BOL'SHE-BANNAYA HYDROTHERMAL SYSTEM IN KAMCHATKA. Krayevoy, Yu.A.; Kovalenko, V.A.; Yevtukhov, A.D. pp 246-53 of Vulkanism i glubiny zemli. Moscow; Izd. Nauk. (1971).
USSR;HYDROTHERMAL SYSTEMS;THERMAL WATERS; TEMPERATURE DISTRIBUTION;GEOCHEMISTRY

1863 HYDROGEOTHERMAL SUBSURFACE REGIME IN THE EASTERN CAUCASUS FORELAND REGION. Sergiyenko, S.I. Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Nauch. Sovet Geoterm. Issled.-Inst. Geol. (1971). 152p.
USSR;HYDROTHERMAL SYSTEMS;HYDROLOGY;GEOLOGY; GROUND WATER;GEOTHERMAL GRADIENTS;TEMPERATURE DISTRIBUTION;GEOTHERMAL RESOURCES;HEAT FLOW

1864 MICROEARTHQUAKES IN THE AHUACHAPAN GEOTHERMAL FIELD, EL SALVADOR, CENTRAL AMERICA. Ward, P.L.; Jacob, K.H. Science; 173: No. 3994, 328-30(1971).
EL SALVADOR;GEOTHERMAL FIELDS; MICROEARTHQUAKES;GEOLOGIC FAULTS

1865 RELATION BETWEEN HEAT FLOW AND TECTONICS IN THE APSHERON PENINSULA. Ovnatanov, S.T.; Tamrazyan, G.P. Sov. Geol.; No. 2, 106-14(1971).
USSR;HEAT FLOW;TECTONICS;GEOTHERMAL GRADIENTS;VOLCANOES;HYDROLOGY;GEOLOGY;LITHOLOGY

1866 CARBON DIOXIDE-BEARING THERMAL SPRINGS OF THE ARSHAN MINERAL WATER DEPOSIT. Kashina, M.A. pp 114-17 of Geol. Polez. Iskop. Vost. Sib. Kalinin, A.S. (ed.). Irkutsk, USSR; Akad. Nauk SSSR, Sib. Otd., Inst. Zemnoi Kory (1971).
HOT SPRINGS;CARBON DIOXIDE;MINERALS;ZONES; GEOLOGIC DEPOSITS;HEATING;USSR

1867 TYUMEN: DEPOSIT OF INDUSTRIAL THERMAL WATER. Mizinov, N.V.; Kravchenko, L.M.; Nedochetova, V.L.; Lyadyuk, N.P. (Tyumenskii Geologorazvedochnyi Trest, USSR). pp 125-8 of Podzemnyye vody sibiri i dal'nego vostoka. Moscow; 'Nauka' (1971).
THERMAL WATERS;GEOLOGIC DEPOSITS;GROUND WATER;USSR;GEOTHERMAL EXPLORATION;BOREHOLES; AQUIFERS;CHEMICAL COMPOSITION;GASES;TEMPERATURE MEASUREMENT;HYDROLOGY;GEOLOGY;GEOCHEMISTRY

1868 CONCENTRATION AND DYNAMICS OF ORGANIC ACIDS IN MINERAL WATERS OF THE LAKE BAIKAL REGION. Bochkarev, P.F.; Ganovicheva, G.M.; Pisarskiy, B.I.; Shpeyzer, G.M. (Irkutskii Gosudarstvennyi Univ., USSR). pp 45-55 of Formirovaniye khimicheskogo sostava, zagryazneniye i samoochishcheniye poverkhnostnykh vod. metody analiza prirodnykh vod. Gidrokhimicheskiye materialy. Volume 55. Leningrad; (1971).
THERMAL WATERS;USSR;ORGANIC ACIDS;METHANE; NITROGEN;CARBONIC ACID DERIVATIVES;GEOCHEMISTRY; BIOCHEMISTRY;BRINES

1869 QUALITY OF NATURAL WATERS IN THE VICINITY OF AKITA-KOMAGATAKE VOLCANO SOON AFTER THE ERUPTION IN 1970. Kato, T.; Shida, I. (Yamagata Univ., Yamagata, Japan). Kazan; 16: No. 2/3, 90-7(1971).
VOLCANIC REGIONS;HOT SPRINGS;RIVERS;LAKES; CHEMICAL COMPOSITION;WATER QUALITY;JAPAN; CHLORIDES;SULFIDES;WATER;THERMAL WATERS

1870 FORMATION OF RECENT THERMAL WATERS IN THE BAIKAL RIFT ZONE. Lomonosov, I.S. (Inst. Zemnoi Korv., Irkutsk, USSR). pp 76-87 of Podzemn. Vody Sib. Dal'nego Vostoka, Dokl., Soveshch. 1967. Lomonosov, I.S. (ed.). Moscow; 'Nauka' (1971).

THERMAL WATERS;GRANITES;SODIUM SULFATES;PH VALUE;ORIGIN;CARBONATES;HOT SPRINGS;SODIUM COMPOUNDS;CALCIUM COMPOUNDS;USSR

1871 RESEARCH ON THERMAL WATERS OF CENTRAL BOSNIA. Derkovic, B. (Inst. Geol. Istraz., Sarajevo, Yugoslavia). Geol. Glas. (Sarajevo); 15: 279-318(1971).
THERMAL WATERS;YUGOSLAVIA;REVIEWS;CHEMICAL ANALYSIS

1872 PHYSICOMATHEMATICAL TWO-DIMENSIONAL MODEL OF THE DYNAMICS OF HEAT AND MASS TRANSFER UNDER HYDROTHERMAL CONDITIONS. Pampura, V.D.; Kochergin, V.N.; Mikhailov, V.G. (Inst. Geokhim, Irkutsk, USSR). pp 90-5 of Kinet. din. geokhim. protsessov, Tr. Semin., 1st. Golubev, V.S. (ed.). Moscow; Vses. Nauch.-Issled. Inst. Miner. Syr'ya (1971).
HEAT TRANSFER;MASS TRANSFER;MATHEMATICAL MODELS;HYDROTHERMAL SYSTEMS;FLUID FLOW; PAUZHETSK GEOTHERMAL FIELD;USSR

1873 FORMATION WATERS, HOT SPRINGS, AND MINERALIZATION PHENOMENA ALONG THE EASTERN SHORE OF THE GULF OF SUEZ. Issar, A.; Rosenthal, E.; Eckstein, Y.; Bogoch, R. (Geol. Survey of Israel, Jerusalem). Bull. Int. Assoc. Sci. Hydrol.; 16: No. 3, 25-44(Sep 1971).
ISRAEL;HOT SPRINGS;CHEMICAL COMPOSITION; ORIGIN;THERMAL WATERS;MINERALIZATION;IRON; GEOCHEMISTRY;CONNATE WATER

1874 DISTRIBUTION AND COMPOSITION OF MINERAL WATER IN THE TUVA AUTONOMOUS REPUBLIC. Pinneker, Ye.V.; Kustov, Yu.I.; Krutikova, A.I. (Inst. Zemnoi Kory, Irkutsk, USSR). Geol. Geofiz.; No. 11, 68-78(Nov 1971).
MINERAL SPRINGS;HOT SPRINGS;WATER CHEMISTRY; THERMAL WATERS;GROUND WATER;DISTRIBUTION; CHEMICAL COMPOSITION;USSR;MAPS

1875 DIRECT OBSERVATIONS OF COLUMNAR SCATTERING ASSOCIATED WITH GEOTHERMAL GAS BUBBLING IN THE BAY OF PLENTY, NEW ZEALAND. Glasby, G.P. (Dept. of Sci. and Ind. Res., Wellington, New Zealand. Oceanographic Inst.). New Zealand Journal of Marine and Freshwater Research; 5: No. 3-4, 483-496(Dec 1971).
THERMAL WATERS;SULFATES;GEOLOGY;GEOLOGIC FAULTS;HOT SPRINGS;NEW ZEALAND;CHLORIDES

1876 HYDROGEOLOGY OF THE USSR. VOLUME 29, KAMCHATKA, AND THE KURIL AND KOMANDORSKIYE ISLANDS. Sidorenko, A. V. (ed.). Moscow; United States of America (USA); Izdatel'stvo 'Nedra' (1972). 364p. (In Russian).
AQUIFERS;GEOTHERMAL RESOURCES;GROUND WATER; GEOLOGY;SEISMOLOGY;VOLCANOES;FRESH WATER; BALNEOLOGY;GEOMORPHOLOGY;USSR;THERMAL WATERS; HYDROTHERMAL SYSTEMS;HYDROLOGY;GEOTHERMAL FIELDS

1877 HYDROTHERMAL ROCK ALTERATION IN TAKENOYU GEOTHERMAL AREA, KUMAMOTO PREFECTURE, JAPAN. Takashima, I. (Geol. Surv. Japan, Tokyo, JA). Chishitsu Chosasho Geppo; 23: No. 12, 721-32(1972).
JAPAN;GEOTHERMAL FIELDS;HYDROTHERMAL ALTERATION;ROCKS;CHEMICAL COMPOSITION;KAOLIN; MONTMORILLONITE;MINERALS;METAMORPHIC ROCKS; ALUNITE

1878 GEOTHERMIC FIELD OF THE CAUCASUS FORELAND AND ITS INFLUENCE OF THE PROPERTIES OF PETROLEUM. Makarenko, F.A.; Sergiyenko, S.I.; Smirnov, Ya.B. Sov. Geol.; No. 4, 102-17(1972).
USSR;GEOTHERMAL FIELDS;PETROLEUM;HEAT FLOW; TEMPERATURE DISTRIBUTION;PHYSICAL PROPERTIES; TEMPERATURE DEPENDENCE;GEOPHYSICAL SURVEYS

1879 FORMATION OF MERCURY DEPOSITS FROM MAGMATIC GASES. Schroecke, H. Aufschluss; 23: No. 5, 139-43(1972).
ITALY;MERCURY;GEOLOGIC DEPOSITS;GEOTHERMAL SYSTEMS;MAGMA;GASES;MONTE AMIATA GEOTHERMAL FIELD

1880 GEOLOGICAL INTERPRETATION OF NGAWHA DEEP DRILLHOLE, KAIKOHE, NORTHLAND (N15), NEW ZEALAND. Bowen, F.E.; Skinner, D.N.B. N. Z. J. Geol. Geophys.; 15: No. 1, 129-39(1972).
NEW ZEALAND;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;BOREHOLES;ELECTRICAL SURVEYS;LITHOLOGY;STRATIGRAPHY;VOLCANOES; GEOLOGICAL SURVEYS

1881 GEOLOGY OF THE NORTHERN BALKHASH RIVER REGION. SECONDARY QUARTZITES. KARGALINSK GROUP. Alekseeva, L.K. pp 102-12 of Geol. Metallog. Sev. Pribalkhash'ya. Esenov, Sh.E. (ed.). Alam-Ata; ''Nauka'' Kaz. SSR (1972).
HYDROTHERMAL ALTERATION;USSR;MICA;KAOLIN; QUARTZ;TUFF;LAVA;GEOLOGY;QUARTZITES;SEDIMENTS; GEOCHEMISTRY;SYNTHESIS

1882 METASOMATIC ZONING IN SOME VOLCANOGENIC DEPOSITS OF THE MARITIME TERRITORY AND THE KURIL-KAMCHATKA ARC. Romanova, R.I.; Petrochenko, E.D. (Dal'nevost. Geol. Inst., Vladivostok, USSR). pp 189-94 of Vopr. Geol. Rudn. Mestorozhd. Dal'nego Vostoka. Osipova, G.I. (ed.). Vladivostok; Akad. Nauk SSSR, Dal'nevost. Geol. (1972).
USSR;VOLCANIC REGIONS;HYDROTHERMAL ALTERATION;MINERALIZATION;QUARTZITES;VOLCANIC ROCKS;COPPER;TIN;MOLYBDENUM;ARSENIC;MERCURY; GOLD;ZONES

1883 GEOLOGICAL AND GEOCHEMICAL CHARACTERISTICS OF OVCAR BANJA THERMAL SPRINGS AND THEIR GENESIS. Teofilovic, M.; Vujanovic, V.; Arsenijevic, M. 27A: 287-298(1972). (In Slovene).
HOT SPRINGS;VOLCANIC ROCKS;MINERALS; GEOCHEMISTRY;GEOLOGY;YUGOSLAVIA

1884 PRELIMINARY STUDY ON THE SULFUR AND HYDROTHERMAL RESOURCES OF EASTERN VENEZUELA. Balda, F.A. (Esc. Cienc., Univ. Oriente, Cumana, Venez.). Lagena; 30: 23-8(1972).
VENEZUELA;GEOTHERMAL RESOURCES;SULFUR;ORIGIN; THERMAL WATERS;MEDIUM TEMPERATURE

1885 HYDROGEOLOGY OF THE USSR. VOLUME 29. KAMCHATKA AND THE KURIL AND KOMANDORSKIYE ISLANDS. Sidorenko, A.V. (ed.). Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Nedra' (1972). 364p.
USSR;HYDROLOGY;GEOLOGY;HYDROTHERMAL SYSTEMS; VOLCANISM;THERMAL WATERS;VOLCANIC REGIONS; GEOTHERMAL RESOURCES;GROUND WATER;AQUIFERS; FRESH WATER;USES

1886 DUSHANBE ARTESIAN BASIN AND ITS MINERAL AND THERMAL WATERS. Churshina, N.M. (Akad. Nauk Tadzh. SSR, Dushanbe. Inst. Geologii). Dushanbe; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Donish' (1972). 210p.
THERMAL WATERS;MINERAL SPRINGS;AQUIFERS;

GROUND WATER;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;FLOW RATE;HOT SPRINGS;USES;USSR

1887 MINERALS IN THE CHELEKEN RECENT HYDROTHERMAL WATERS. Lebedev, L.M. Tr. Mineral. Muz., Akad. Nauk SSSR; No. 21, 90-108(1972).
MINERALS;THERMAL WATERS;GEOLOGIC STRUCTURES; SODIUM CHLORIDES;CARBONATES;CALCITE;BARITE; HYDROGEN SULFIDES;LEAD;USSR

1888 SPATIAL LOCATION, EVOLUTION, AND RESOURCES OF THERMAL WATERS IN MOBILE SILICATE MASSIFS. Shterev, K.D. (Inst., Kurortol., Sofia, Bulgaria). C. R. Acad. Bulg. Sci.; 25: No. 11, 1555-8(1972).
THERMAL WATERS;SILICATES;HOT SPRINGS;ZONES; TEMPERATURE GRADIENTS;CONVECTION;USSR

1889 MINOR ELEMENTS AND GENESIS OF THERMAL WATERS OF BANJA KOVILJACA. Teofilovic, M.; Vujanovic, V.; Arsenijevic, M. pp 83-7 of Zapisnici Srp. Geol. Drus. 1971. (1972).
THERMAL WATERS;TRACE AMOUNTS;ELEMENTS;ORIGIN; SPECTROSCOPY;CHEMICAL ANALYSIS;YUGOSLAVIA

1890 MINOR ELEMENTS AND GENESIS OF THERMAL AND MINERAL WATERS OF SOKO BANJA. Teofilovic, M.; Vujanovic, V.; Arsenijevic, M. pp 77-82 of Zapisnici Srp. Geol. Drus. 1971. (1972).
THERMAL WATERS;CHEMICAL ANALYSIS;ORIGIN; TRACE AMOUNTS;ELEMENTS;YUGOSLAVIA;SPECTROSCOPY; CALCIUM;CARBONATES

1891 MINOR ELEMENTS AND GENESIS OF THERMAL WATERS OF NISKA BANJA. Teofilovic, M.; Vujanovic, V.; Arsenijevic, M. pp 89-93 of Zapisnici Srp. Geol. Drus. 1971. (1972).
THERMAL WATERS;YUGOSLAVIA;SPECTROSCOPY; ORIGIN;CALCIUM;CARBONATES;CHEMICAL ANALYSIS; TRACE AMOUNTS;ELEMENTS

1892 MINOR ELEMENTS AND GENESIS OF THE THERMAL WATER OF JOSANICKA BANJA. Teofilovic, M.; Vujanovic, V.; Arsenijevic, M. pp 101-5 of Zapisnici Srp. Geol. Drus. 1971. (1972).
TRACE AMOUNTS;ELEMENTS;ORIGIN;THERMAL WATERS; SPECTROSCOPY;LITHIUM;RUBIDIUM;STRONTIUM;CESIUM; YUGOSLAVIA;CHEMICAL ANALYSIS

1893 TRACE CONSTITUENTS OF THERMAL SPRING WATER IN IIZAKA SPA, FUKUSHIMA, JAPAN. II. COLORIMETRIC DETERMINATION OF FLUORIDE IN HOT SPRING WATER. Miyanaga, T. (Fukushima Inst. Health, Bukushima, Japan). Fukushima-Ken. Eisei Kenkyusho Kenkyu Hokoku; 20: 37-42(1972).
THERMAL WATERS;HOT SPRINGS;TRACE AMOUNTS; JAPAN;FLUORIDES;CHEMICAL ANALYSIS;ABSORPTION SPECTROSCOPY;SULFATES;POTASSIUM;SODIUM;CALCIUM; MAGNESIUM

1894 ADDITIONAL RESOURCES OF MINERAL WATERS FOR SOME HEALTH RESORTS IN THE CAUCASUS. Shagoyants, S.A. Izv. Dnepropetrovsk. Gorn. Inst.; 51: 141-8(1972).
CARBON DIOXIDE;THERMAL WATERS;MINERALS; THERAPY;USES;USSR;CHEMICAL COMPOSITION;SODIUM; CALCIUM;MAGNESIUM;CHLORINE;SULFATES;CARBONATES; BALNEOLOGY

1895 HYDROTHERMAL PROCESS. HYDROTHERMS OF THE MENDELEEV VOLCANIC REGION IN THE KURIL ISLANDS. Dunichev, V.M. Izv. Sakhalin. Otd. Geogr. O-va. SSSR; 3: 128-37(1972).
HYDROTHERMAL SYSTEMS;HOT SPRINGS;CHEMICAL COMPOSITION;FLOW RATE;ISOTOPE RATIO;HYDROGEN ISOTOPES;VARIATIONS;SEDIMENTS;SODIUM CHLORIDES; CALCIUM CHLORIDES;USSR;ORIGIN;VOLCANIC REGIONS

1896 SUBSURFACE WATERS AS A COMPLEX USEFUL MINERAL. THERMAL WATERS. Krat, V.N.; Serdyuk, Ya.Ya. pp 266-73 of Gidrogeol. SSSR. Volume 41. Sidorenko, A.V. (ed.). Moscow; 'Nedra' (1972).
THERMAL WATERS;USSR;ARTESIAN BASINS;GEOLOGIC FISSURES;USES;HEATING;ROCKS;HOT SPRINGS; GEOTHERMAL EXPLORATION;ECONOMICS

1897 ORIGIN OF THE THERMOMINERAL WATERS OF ORADEA. Preda, L. An. Univ. Bucuresti, Geol.; 21: 159-73(1972).
THERMAL WATERS;MINERALS;ORIGIN;AQUIFERS; MEDIUM TEMPERATURE;CHEMICAL COMPOSITION;ROMANIA

1898 GEOLOGY AND HYDROGEOLOGY OF THE MINERAL AND HOT SPRINGS OF BAD UEBERKINGEN, GOEPPINGEN, BADEN-WUERTTEMBERG. Carle, W. (Korntal, Germany). Jahresh. Geol. Landesamtes Baden-Wuerttemberg; 14: 69-144(1972).
MINERAL SPRINGS;HOT SPRINGS;GERMAN FEDERAL REPUBLIC;GEOLOGY;HYDROLOGY;BOREHOLES; SEDIMENTATION;TECTONICS

1899 GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. Washington, DC; United States of America (USA); US Dept. Interior, Bureau of Reclamation (Jan 1972). 57p.
BRINES;IMPERIAL VALLEY;FLASHING;STEAM;POWER GENERATION;DESALINATION;COST;GROUND SUBSIDENCE; GEOTHERMAL RESOURCES;BY-PRODUCTS;COLORADO RIVER

1900 RED SEA HOT BRINE AREA, REVISITED. Ross, D.A. (Woods Hole Oceanographic Inst., MA). Science; 175: No. 4029, 1455-1457(31 Mar 1972).
RED SEA;THERMAL WATERS;BRINES;SEDIMENTS; TEMPERATURE MEASUREMENT;OCEANOGRAPHY;HOT SPRINGS;MINERALOGY;GEOCHEMISTRY;EXPLORATION; HEAT FLOW;MINERALS;MINERALIZATION;DATA; TECTONICS;HYDROLOGY;GEOLOGY

1901 THERMAL SPRINGS OF INDIA AND THEIR DEVELOPMENT. Balasundaram, M.S. (Indian Ass. of Geohydrologists, Calcutta). Indian Geohydrology (Calcutta); 8: No. 1, 1-9(Jun 1972).
INDIA;HOT SPRINGS;FUMAROLES;THERMAL WATERS; TECTONICS;GEYSERS;TEMPERATURE MEASUREMENT

1902 GEOLOGICAL ASPECTS OF THERMAL WATER OCCURRENCES IN HUNGARY. Kurim, K. (Research Inst. for Water Resources Development, Budapest, HU). Geothermics (Italy); 1: No. 3, 96-102(Sep 1972).
HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS; BOREHOLES;SAND;SANDSTONES;GEOLOGY;TECTONICS; SEDIMENTATION

1903 HEATING OF COLD-WATER INTRUSIONS IN A GEOTHERMAL FIELD. Drummond, J.E.; McNabb, A. (Dept. Sci. Industrial Res., Wellington, New Zealand). N. Z. J. Sci.; 15: No. 4, 665-72(Dec 1972).
HEAT TRANSFER;FLUID FLOW;MASS TRANSFER; THERMAL WATERS;WATER;WAIRAKEI GEOTHERMAL FIELD; EQUATIONS;HEATING

1904 HYDROGEOTHERMAL DESCRIPTION OF

GROUNDWATER IN UPPER CRETACEOUS DEPOSITS IN THE SOUTHEAST ARAL SEA AREA. Ergashev, S.E. (Akad. Nauk. UzSSR, Tashkent. Institut Seismologii). Uzbekskiy Geologicheskiy Zhurnal; No. 1, 76-78(1973). (In Russian).
GEOTHERMAL RESOURCES;USSR;GROUND WATER; THERMAL WATERS;AQUIFERS;GEOLOGY;BOREHOLES; GREENHOUSES;BUILDINGS;HEATING;HYDROTHERMAL SYSTEMS

1905 GEOTHERMAL ENERGY IN HOT SPRING DISTRICTS IN TAIWAN. Wu, Y.-C. (Miner. Res. Serv. Organ., Taipei, Taiwan). K'uang Yeh Chi Shu; 10: No. 12, 2-6(1973).
TAIWAN;HOT SPRINGS;THERMAL WATERS;FLOW RATE; MEDIUM TEMPERATURE;PH VALUE;CHEMICAL COMPOSITION;SODIUM COMPOUNDS;MAGNESIUM COMPOUNDS;CALCIUM COMPOUNDS;CHLORIDES;SULFATES; SILICON OXIDES;CARBONATES;ENERGY YIELD; GEOTHERMAL RESOURCES

1906 STILBITE FROM TAKENOYU GEOTHERMAL AREA, KUMAMOTO, JAPAN. Takashima, I.; Maeda, K. (Geol. Surv. Japan, Kawasaki, Japan). Ganseki Kobutsu Kosho Gakkaishi; 68: No. 1, 30-6(1973).
JAPAN;GEOTHERMAL FIELDS;MINERALS; THERMODYNAMIC PROPERTIES;CHEMICAL PROPERTIES; ZEOLITES;OPTICAL PROPERTIES

1907 MICROEARTHQUAKES IN AND NEAR LONG VALLEY, CALIFORNIA. Steeples, D.W.; Pitt, A.M. EOS, Trans., Am. Geophys. Union; 54: No. 11, 1213(1973).
CALIFORNIA;MICROEARTHQUAKES;SEISMOLOGY; GEOTHERMAL ENERGY;THERMAL WATERS;HOT SPRINGS; EXPLORATION;GEOTHERMAL FIELDS

1908 ICELAND; PRELIMINARY RESULTS OF GEOLOGIC, HYDROLOGIC, OCEANOGRAPHIC, AND AGRICULTURAL STUDIES WITH ERTS-1 IMAGERY. Williams, R.S., Jr.; Boovarsson, A.; Frioriksson, S.; Palmason, G.; Rist, S.; Sigtryggsson, H.; Saemundsson, K.; Thorarinsson, S.; Thorsteinsson, I. Management and utilization of remote sensing data, p. 17-35. Falls Church, Virginia; Am. Soc. Photogramm. (1973).
ICELAND;REMOTE SENSING;GEOLOGY;HYDROLOGY; OCEANOGRAPHY;AGRICULTURE;GEOPHYSICAL SURVEYS; IMAGES;VOLCANIC REGIONS;GEOMORPHOLOGY; EXPLORATION;SATELLITES;GLACIERS;ATLANTIC OCEAN; GEOLOGICAL SURVEYS

1909 STATE OF THE STUDIES ON GEOTHERMAL RESOURCES IN THE MONTANA DE FUEGO AREA, (LANZAROTE, CANARY ISLANDS). Arana, V.; Fuster, J.MA. Estud. Geol. (Inst. Invest. Geol. Lucas Mallada); 29: No. 3, 281-286(1973).
SPAIN;ISLANDS;GEOTHERMAL RESOURCES;GEOLOGY; ATLANTIC OCEAN;THERMAL WATERS;VOLCANIC REGIONS; GEOTHERMAL EXPLORATION;CANARY ISLANDS

1910 HYDROGEOTHERMAL DESCRIPTION OF UPPER CRETACEOUS GROUND WATERS IN THE SOUTHEASTERN PART OF THE ARAL REGION. Ergashev, S.E. Sov. Hydrol., Sel. Pap.; No. 1, 57-59(1973).
USSR;THERMAL WATERS;HYDROLOGY;GEOLOGY;GROUND WATER;CHEMICAL COMPOSITION;GEOTHERMAL GRADIENTS; GEOTHERMAL ENERGY;USES

1911 THERMAL WATERS IN AREAS OF OIL AND GAS ACCUMULATION. Afanas'yev, T.P.; Makarenko, F.A.; Pokrovskiy, V.A. Izv. Akad. Nauk SSSR, Ser. Geol.; No. 11, 123-126(1973).
USSR;GEOLOGIC DEPOSITS;PETROLEUM;THERMAL WATERS;GEOTHERMAL GRADIENTS

1912 SUSPENDED MATERIAL IN THE HYDROTHERMAL BRINES OF THE ATLANTIS II DEEP. Hartmann, M. (Univ. Kiel, Kiel, Ger.). Geol. Rundsch.; 62: No. 3, 742-54(1973).
IRON;MANGANESE;COPPER;ZINC;BRINES; SUSPENSIONS;SULFIDES;CHEMICAL COMPOSITION;RED SEA

1913 SUAKIN DEEP. BRINES AND HYDROTHERMAL SEDIMENTS IN THE DEEPEST PART OF THE RED SEA. Baumann, A.; Richter, H.; Schoell, M. (Tech. Univ. Braunschweig, Brunswick, Ger.). Geol. Rundsch.; 62: No. 3, 684-97(1973).
RED SEA;BRINES;SEDIMENTS;IRON;MANGANESE;ZINC; COPPER

1914 DISTURBING EFFECT OF GAS BANKS ON A GEOTHERMAL FIELD WITH A STEADY FLOW OF SUBSURFACE WATERS. Kortsenshteyn, V.N. Int. Geol. Rev.; 15: No. 3, 368(1973).
USSR;GEOTHERMAL FIELDS;DISTURBANCES;NATURAL GAS;GROUND WATER;FLUID FLOW

1915 IONIC EQUILIBRIUM IN RECENT HYDROTHERMAL SYSTEM OF THE UZON CALDERA IN KAMCHATKA. Alekhin, Yu.V.; Zotov, A.V.; Kolpakova, N.N. (Inst. Geol. Rudh. Mestorozhd., Petrogr., Mineral. Geokhim., Moscow). pp 242-51 of Mezhdunar. Geokhim. Kongr., (Dokl.), 1st, 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1973).
HYDROTHERMAL SYSTEMS;THERMAL WATERS;USSR; EQUILIBRIUM;ARSENIC;ANTIMONY;IRON;CHLORINE; SILICON OXIDES;PH VALUE;SULFIDES;SOLUTIONS; HYDROGEN SULFIDES;ABUNDANCE;CHEMICAL ANALYSIS; GEOCHEMISTRY

1916 THERMODYNAMIC CONDITIONS OF HYDROTHERMAL MINERAL FORMATION IN THE CENTRAL DONETS BASIN. Maiskii, Yu.G. (Rostov.-na-Donu Gos. Univ., Rostov-on-Don, USSR). Mineral. Sb. (Lvov); 27: No. 2, 138-46(1973).
QUARTZ;CARBONATES;SULFIDES;FLUORITE; SILICATES;SYNTHESIS;HYDROTHERMAL STAGE;PHASE STUDIES;CRYSTALLIZATION;MINERALIZATION;CARBON DIOXIDE;THERMODYNAMICS;GALENA;PYRITES;KAOLIN; HYDROTHERMAL STAGE

1917 LAYERED SILICATES IN HYDROTHERMAL FORMATIONS OF THE DONETS BASIN. Mel'nikov, V.S.; Zhulid, V.A. Mineral. Sb. (Lvov); 27: No. 4, 341-9(1973).
SILICATES;MINERALS;HYDROTHERMAL SYSTEMS;USSR; CHLORITE MINERALS

1918 COMPOSITION OF SPHALERITES FROM THE BROADLANDS GEOTHERMAL FIELD AND THEIR SIGNIFICANCE TO SPHALERITE GEOTHERMOMETRY AND GEOBAROMETRY. Browne, P.R.L.; Lovering, J.F. (N.Z. Geol. Surv., Lower Hutt, N.Z.). Econ. Geol.; 68: No. 3, 381-7(1973).
BROADLANDS GEOTHERMAL FIELD;GEOTHERMOMETRY; IRON SULFIDES;MANGANESE SULFIDES;PYRITES;IRON METEORITES;HIGH TEMPERATURE;MEDIUM PRESSURE; HIGH PRESSURE;SPHALERITES;CHEMICAL COMPOSITION; MINERALS

1919 EVIDENCE (FROM FLUID INCLUSIONS) OF FOSSIL GEOTHERMAL AREAS. Touray, J.-C. Reunion Annuelle des Sci. de la Terre (Paris); 398(1973).
GEOTHERMAL FIELDS;GEOCHEMISTRY;METHANE; FLUIDS;INCLUSIONS;WATER;CARBON DIOXIDE;QUARTZ;

FRANCE;GEOLOGY

1920 THERMAL WATER OCCURRENCES IN THE REGION AND AREA OF THE SANG-KHOK CARBON DIOXIDE SPRING. Disler, V.N. Tr. Tsentr. Nauchno-Issled. Inst. Kurortol. Fiz.; 27: 82-9(1973).
THERMAL WATERS;CARBON DIOXIDE;HYDROTHERMAL SYSTEMS;LIMESTONE;USSR;ABUNDANCE

1921 HYDROGEOCHEMISTRY OF THE ZHELEZNOVODSK MINERAL WATER DEPOSIT (CAUCASIAN MINERAL WATERS). Shcherbak, V.P. Tr. Tsentr. Nauchno-Issled. Inst. Kurortol. Fiz.; 27: 99-102(1973).
GEOCHEMISTRY;HYDROLOGY;MINERALS;THERMAL WATERS;SODIUM CHLORIDES;SODIUM CARBONATES; METHANE;NITROGEN;CARBON DIOXIDE;USSR;CHEMICAL COMPOSITION

1922 HYDROTHERMAL ACTIVITY AT NOROIBETSU, HOKKAIDO. Abiko, T.; Murozumi, M. (Muroran Inst. Technol., Muroran, Japan). pp 236-45 of Proceedings of Symposium on Hydrogeochemistry and Biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
JAPAN;HYDROGEN;ISOTOPE RATIO;CHEMICAL COMPOSITION;HYDROTHERMAL SYSTEMS;THERMAL WATERS

1923 RECENT DISCOVERY OF A NEW GEOTHERMAL FIELD IN ITALY: ALFINA. Cataldi, R.; Rendina, M. (Centro di Ricerca Geotermica, Pisa, Italy). Geothermics; 2: No. 3-4, 106-116(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
GEOTHERMAL FIELDS;ITALY;GEOTHERMAL EXPLORATION;WELL DRILLING;GEOLOGY;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;GEOCHEMICAL SURVEYS

1924 HYDROGEOCHEMISTRY OF THE REGION BETWEEN MONTE AMIATA AND ROME. Baldi, P.; Ferrara, G.C.; Maselli, L.; Pieretti, G. (Centro di Ricerca Geotermica, Pisa, Italy). Geothermics; 2: No. 3-4, 124-141(1973).
From National Science Foundation: Ialian National Research Council Geotnermal Seminar; Pisa, Italy (5 Nov 1973).
ITALY;GEOCHEMISTRY;HYDROLOGY;METEORIC WATER; THERMAL WATERS;GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS;CHEMICAL COMPOSITION;SALINITY

1925 PETROLOGY OF THE BASALTS OF THE KHARCHINSKII GROUP OF VOLCANOES. Kutyev, F.Sh.; Erlikh, E.N. Byull. Vulkanol. Sta., Akad. Nauk SSSR; 49: 83-98(1973).
BASALT;PETROLOGY;VOLCANOES;USSR;CHEMICAL COMPOSITION;AMPHIBOLE;MINERALS;VOLCANIC ROCKS

1926 HOT SPRINGS AND GEOLOGY OF JAPAN. Sato, K. (Hot Spring Res. Cent., Inst., Japan). Onsen Kogakkaishi; 9: No. 1, 17-36(1973).
JAPAN;REVIEWS;HOT SPRINGS;GEOLOGY;CHEMICAL COMPOSITION;AQUIFERS

1927 THERMAL SPRINGS OF BAKRESWAR, INDIA. PHYSICOCHEMICAL CONDITIONS, FLORA, AND FAUNA. Jana, B.B. (Dep. Zool., Visva-Bharati Univ., Santiniketan, India). Hydrobiologia ; 41: No. 3, 291-307(1973).
HOT SPRINGS;INDIA;ORIGIN;GEOLOGY;CHEMICAL PROPERTIES;PHYSICAL PROPERTIES;GEOMORPHOLOGY;PH VALUE;PLANTS;ANIMALS

1928 HORIZONTAL FLOW IN HYDROTHERMAL SYSTEMS. Healy, J.; Hochstein, M.P. (New Zealand Geological Survey, Rotorua). J. Hydrology (New Zealand); 12: No. 2, 71-82(1973).
HYDROTHERMAL SYSTEMS;FLUID FLOW;HOT-WATER SYSTEMS;SILICON OXIDES;DEPOSITION;SITE SELECTION;GEOTHERMAL WELLS;PERMEABILITY;GROUND WATER;HYDROLOGY;GEOLOGY;GEOTHERMAL FIELDS

1929 THERMAL SPRINGS OF BAKRESWAR, INDIA. PHYSICOCHEMICAL CONDITIONS, FLORA AND FAUNA. Jana, B.E. (Visva-Bharati Univ., Santiniketan (India). Dept. of Zoology). Hydrobiologia ; 41: No. 3, 291-307(1973).
HOT SPRINGS;INDIA;ORIGIN;GEOLOGY;PH VALUE; WATER CHEMISTRY

1930 MINERAL WATERS OF NILOVAYA PUSTYN. THEIR REGIME AND RESOURCES. Borisenko, I.M. (Inst. Zemnoi Kory, Irkutsk, USSR). pp 107-12 of Ocherki po gidrogeologii Sibiri/Komissiya po Izucheniyu Podzemnykh vod Sibiri i Dal'nego Vostoka Materialy. No. 6. Novosibirsk; (1973).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; SODIUM SULFATES;MINERALIZATION;THERAPY;USES; WATER CHEMISTRY;MINERAL SPRINGS

1931 PROBLEMS OF ORIGIN OF THERMAL WATERS OF CIEPLICE SLASKIE-ZDROJ. Fistek, J.; Tesiorowska, H. (Inst. Geol., Warsaw, Poland). Biul., Inst. Geol., Warsaw; 264: 129-40(1973).
THERMAL WATERS;ORIGIN;GEOLOGY;HYDROLOGY; POLAND

1932 THERMAL OSCILLATIONS OF THE FUMAROLES OF THE ISLAND OF VULCANO FROM 1913 TO 1970. Sicardi, L. Stromboli; No. 13, 65-74(1973).
ITALY;FUMAROLES;TEMPERATURE MEASUREMENT;HIGH TEMPERATURE

1933 RADON IN A THERMAL SPRING AS AN INDICATOR OF THE STATE OF THE KARYMSKII VOLCANO. Chirkov, A.M. Byull. Vulkanol. Sta., Akad. Nauk SSSR; 49: 99-102(1973).
HOT SPRINGS;THERMAL WATERS;RADON;VOLCANISM; USSR

1934 EVALUATION OF THE ZIARSKA INTRAVOLCANIC DEPRESSION FROM THE STANDPOINT OF PROSPECTING FOR HYPERTHERMAL WATERS. Franko, O.; Forgac, J.; Fusan, O.; Zboril, L. (Geol. Ustav Dionyaz Stura, Bratislava, Czech.). Geol. Pr., Spravy; 61: 15-32(1973).
THERMAL WATERS;GEOLOGY;TECTONICS;VOLCANIC REGIONS;GEOTHERMAL GRADIENTS;CZECHOSLOVAKIA; GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS

1935 GEOHYDROLOGICAL STUDY OF NORTHERN SARDINIA. Alamanni, U.; Bo, G.; Dettori, G.; Maida, A.; Pettinato, S.; Pietracaprina, A. (Fac. Med. Chir., Univ. Sassari, Sassari, Italy). Studi Sassar. Sez. 3; 21: No. 1, 3-231(1973).
ITALY;HYDROLOGY;GEOLOGY;BACTERIA; GEOCHEMISTRY;HOT SPRINGS;LAKES;WATER RESOURCES

1936 INCREASE IN TITANIUM CONTENT IN KAMCHATKA BASALTS DURING MESO-CENOZOIC VOLCANISM DEVELOPMENT. Guziev, I.S. (Kamchat. Territ. Geol. Upr., Petropavlovsk-Kamchatskii, USSR). Geokhimiya; No. 1, 131-5(1973).

USSR;VOLCANISM;BASALT;GEOLOGIC STRUCTURES; TITANIUM;ABUNDANCE;MAGMA;TECTONICS;GEOLOGY

1937 DISTRIBUTION REGULARITIES OF ORE COMPONENTS IN THERMAL WATERS OF VOLCANIC REGIONS. Goleva, G.A. Byull. Mosk. Obshch. Ispyt. Prir., Otd. Geol.; 48: No. 2, 124-30(1973).
HOT SPRINGS;THERMAL WATERS;VOLCANIC REGIONS; USSR;ASIA;ORES;GEOLOGIC DEPOSITS;PH VALUE; COPPER;ZINC;LEAD;GOLD;MOLYBDENUM;LITHIUM; RUBIDIUM;CESIUM;CHEMICAL ANALYSIS

1938 ICELAND MANTEL PLUME. GEOCHEMICAL STUDY OF REYKJANES RIDGE. Schilling, J.G. (Grad. Sch. Oceanogr. Univ. Rhode Island, Kingston, RI). Nature (London); 242: No. 5400, 565-71(1973).
ICELAND;EARTH MANTLE;GEOCHEMISTRY; GEOCHEMICAL SURVEYS;THICKNESS;EARTH CRUST;RARE EARTHS;ZONES;MIXING;LAYERS;MATERIALS;TRANSPORT

1939 RECOVERY BORING FOR THERMAL WATER IN RODACH 1/1972. Gudden, H. (Bayer, Geol. L. A. Muenchen, Munich, Ger.). Geol. Bavarica; 67: 80-118(1973).
THERMAL WATERS;GERMAN FEDERAL REPUBLIC; CALCIUM SULFATES;CARBONATES;SULFUR;RECOVERY; BOREHOLES;CHEMICAL COMPOSITION

1940 DETAILED TEMPERATURE STRUCTURE OF HOT BRINES IN ATLANTIS II DEEP AREA (RED SEA). Schoell, M.; Hartmann, M. (Bundesanstalt fur Bodenforschung, Hanover, W. Ger.). Marine Geology; 14: No. 1, 1-14(Jan 1973).
RED SEA;BRINES;TEMPERATURE DISTRIBUTION; THERMAL WATERS

1941 HAMMAT GADER (ISRAEL). GEOCHEMISTRY OF A MIXED THERMAL SPRING COMPLEX. Mazor, E.; Kaufman, A.; Carmi, I. (Weizmann Inst. of Sciences, Rehovot (Israel)). J. Hydrol.; 18: No. 3/4, 289-303(Mar 1973).
HOT SPRINGS;GEOCHEMISTRY;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;MIXING; THERMAL WATERS;GROUND WATER

1942 FUMAROLE WITH PERIODIC WATER FOUNTAINING, VOLCAN ALCEDO, GALAPAGOS ISLANDS. Nordlie, B.E.; Colony, W.E. (Arizona Univ., Tucson. Dept. of Geosciences). Geol. Soc. Am., Bull.; 84: No. 5, 1709-19(May 1973).
FUMAROLES;ECUADOR;VOLCANOES;GEYSERS; HYDROLOGY;GEOLOGY;GEOLOGIC DEPOSITS

1943 THERMAL ANOMALIES IN LANZAROTE (CANARY ISLANDS). Arana, V. (Dept. Petrology and Geochemistry, Univ. Madrid, Spain); Ortiz, R. (Dept. Physics of the Cosmos); Yuguero, J. (Dept. Thermology). Geothermics; 2: No. 2, 73-5(Jun 1973).
THERMOMETERS;TEMPERATURE MEASUREMENT;THERMAL WATERS;TECTONICS;FRACTURES;HEAT TRANSFER; GEOTHERMAL RESOURCES;VOLCANOES;GEOLOGIC FISSURES;FUMAROLES;GEOTHERMAL GRADIENTS;SPAIN

1944 POSITIVE HEAT FLOW ANOMALY IN THE CARPATHIAN BASIN. Boldizsar, T. (Tech. Univ., H-3515 Miskolc-Egyetemvaros, Hungary). Geothermics; 2: No. 2, 61-7(Jun 1973).
HEAT FLOW;HUNGARY;TEMPERATURE MEASUREMENT; TEMPERATURE GRADIENTS;GEOTHERMAL EXPLORATION; MAPS;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS

1945 TEMPERATURE REGIME OF THE UPPER LAYERS OF THE EARTH CRUST AND USSR GEOTEMPERATURE MAPS. Frolov, N.M. (Nation). Geothermics; 2: No. 2, 68-72(Jun 1973).
USSR;GROUND WATER;MAPS;AQUIFERS;VARIATIONS; GEOTHERMAL GRADIENTS;TEMPERATURE DISTRIBUTION; HEAT TRANSFER;EARTH CRUST

1946 PETROGENETIC RELATIONSHIPS OF ACID AND BASIC ROCKS IN ICELAND: SR-ISOTOPES AND RARE-EARTH ELEMENTS IN LATE AND POSTGLACIAL VOLCANICS. O'Nions, R.K. (Oxford Univ., England); Gronvold, K. Earth Planet. Sci. Lett.; 19: No. 4, 397-409(Aug 1973).
ICELAND;VOLCANIC ROCKS;BASALT;STRONTIUM ISOTOPES;ISOTOPE RATIO;RARE EARTHS;ABUNDANCE; CHEMICAL COMPOSITION;STRONTIUM 86

1947 TEMPERATURE INVERSIONS IN GEOTHERMAL SYSTEMS. Bodvarsson, G. (Oregon State Univ., Corvallis). Geoexploration; 11: No. 3, 141-9(Sep 1973).
GEOTHERMAL FIELDS;BOREHOLES;GEOTHERMAL EXPLORATION;GEOLOGIC FISSURES;TEMPERATURE DISTRIBUTION;TEMPERATURE MEASUREMENT;THERMAL WATERS;HYDROTHERMAL ALTERATION;ICELAND

1948 KINEMATICS AND HEAT FLOW IN A VOLCANIC RIFT ZONE, WITH APPLICATION TO ICELAND. Palmason, G. (Natl. Energy Authority, Langavegur, Reykjavik, Iceland). Geophys. J. R. Astron. Soc.; 33: No. 1, 451-81(Oct 1973).
ICELAND;TECTONICS;HEAT FLOW;VOLCANIC REGIONS; MOCKUP;LITHOLOGY

1949 SALTWATER HOT SPRINGS IN THE COAST AREA OF WESTERN ANATOLIA, TURKEY. Brinkmann, R.; Kuhn, R. (Aegean Univ., Bornova, Turkey). Chem. Geol.; 12: No. 3, 171-87(Nov 1973). (English summary).
HOT SPRINGS;TURKEY;SEAWATER;FRESH WATER; BRINES;TRACE AMOUNTS;ELEMENTS;SALINITY;GEOLOGY

1950 ACID WATERS ARISING IN VOLCANOES OF CORDILLERAS. Boussingault, J.B.J.D. C. R. Hebd. Seances Acad. Sci.; 78: vp(1874).
ECUADOR;HOT SPRINGS;FUMAROLES

1951 SUBSEA-FLOOR METAMORPHISM, HEAT AND MASS TRANSFER. ADDITIONAL COMMENT. Spooner, E.T.C. (Dep. Geol. Mineral., Univ. Oxford, Oxford, England). Contrib. Mineral. Petrol.; 45: No. 2, 169-73(1974).
SEAS;BRINES;NEW GUINEA;METALS;CHLORIDES; METAMORPHISM;MASS TRANSFER;SEAWATER; HYDROTHERMAL SYSTEMS;CHEMICAL COMPOSITION

1952 TRANSGRESSIVE AGE OF LATE CENOZOIC SILICIC VOLCANIC ROCKS ACROSS SOUTH-EASTERN OREGON; IMPLICATIONS FOR GEOTHERMAL POTENTIAL. Walker, G.W.; Macleod, N.; McKee, E.H. Geol. Soc. Am., Abstr.; 6: No. 3, 272(1974).
VOLCANIC ROCKS;AGE ESTIMATION;OREGON;GEOLOGY; SILICATES;GEOTHERMAL GRADIENTS;MINERALS

1953 GEOTHERMAL ACTIVITY AND CRUSTAL DEFORMATION IN SURPRISE VALLEY; ARE THEY RELATED. Coates, D.A. Geol. Soc. Am., Abstr.; 6: No. 3, 157(1974).
CALIFORNIA;GEOTHERMAL SYSTEMS;GEOLOGY; GEOLOGIC FAULTS;EARTH CRUST;DEFORMATION;SHORES

1954 VOLCANIC AND SEDIMENTARY PROCESSES IN THE RED SEA AXIAL TROUGH. Young, R.A.; Ross, D.A. (Woods Hole Oceanographic Inst., Mass., USA). Deep-Sea Res. (GB); 21: No. 4, 289-

97(1974).
RED SEA;SEA BED;VOLCANIC REGIONS;BRINES; SEDIMENTS;SEDIMENTATION;LAVA

1955 HYDROTHERMAL POWER FROM THE JUAN DE FUCA RIDGE; OUTLINE OF A MODEL. Lister, C.R.B. EOS, Trans., Am. Geophys. Union; 55: No. 2, 73(1974).
NORTH AMERICA;PACIFIC OCEAN;THERMAL WATERS; EXPLOITATION;HEAT FLOW;TEMPERATURE GRADIENTS; TECTONICS;CANADA

1956 GENERAL FEATURES AND GEOCHEMICAL PECULIARITIES OF ICELAND HYDROTHERMAE. Arnorsson, S.; Kononov, V.I.; Polyak, B.G. (Dept. Nat. Heat, Energy Auth. Iceland, Reykjavik and Geol. Inst., USSR Acad. Sci., Moscow).. Geokhimiya; No. 12, 1766(1974). (In Russian with English abstract).
ICELAND;THERMAL WATERS;CHEMICAL COMPOSITION; HYDROTHERMAL SYSTEMS;GEOCHEMISTRY;HYDROGEN; SALTS;SILICON OXIDES;ABUNDANCE;GEOLOGY

1957 ROLE OF REGIONAL BASEMENT FAULTS IN FORMING GEOTHERMAL FIELD OF YOUNG PLATFORMS. Arabadzhi, M.S.; Vasil'yev, Yu.M.; Gavrilov, V.P.; Mil'nichuk, V.S. Int. Geol. Rev.; 16: No. 2, 180-7(1974).
USSR;GEOTHERMAL FIELDS;GEOLOGIC FAULTS; TECTONICS;HEAT FLOW;GEOPHYSICAL SURVEYS; DISTRIBUTION;CORRELATIONS

1958 GEOLOGIC CONTROLS OF MINERAL DEPOSITS IN TAIWAN. Yen, T.P. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1463(1974).
TAIWAN;GEOLOGIC DEPOSITS;MINERAL RESOURCES; ORES;GEOTHERMAL RESOURCES;GEOLOGY;SULFIDES

1959 METALLOGENIC BELT AND TECTONIC EVOLUTION OF CHILEAN CIRCUM-PACIFIC CONTINENTAL BORDER. Frutos, J.J.; Oyarzun M., J. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1437(1974).
CHILE;PACIFIC OCEAN;TECTONICS;GEOLOGIC DEPOSITS;ORES;ORIGIN;MINERAL RESOURCES;METALS; MINERALIZATION;GEOTHERMAL RESOURCES

1960 HYDROTHERMAL ORE FORMATION IN RELATION TO DATA OF GLOBAL AND REGIONAL GEOLOGY AS ILLUSTRATED BY THE CAUCASUS. 2. POSSIBLE DEVELOPMENTAL COURSE OF HYDROTHERMAL SOLUTIONS IN RELATION TO FEATURES OF THE GEOLOGICAL HISTORY OF THE MOST IMPORTANT COMPLEX METAL DEPOSITS OF THE NORTHERN CAUCASUS. Radkevich, R.O. (USSR). Byull. Mosk. Obshchest. Ispyt. Prir., Otd. Geol.; 49: No. 2, 72-87(1974). (In Russian).
VOLCANIC ROCKS;HYDROTHERMAL ALTERATION;ORES; SYNTHESIS;GEOLOGIC DEPOSITS;GEOLOGY;TECTONICS; THERMODYNAMICS;USSR

1961 ISOTOPIC COMPOSITION OF SULFUR IN THE GEYSERS OF ICELAND. Vinogradov, V.I.; Kononov, V.I.; Polyak, B.G. (Geol. Inst., Moscow, USSR). Dokl. Akad. Nauk SSSR; 217: No. 5, 1149-52(1974).
SULFUR ISOTOPES;ISOTOPE RATIO;GEYSERS; ICELAND;ZONES;SULFUR 34

1962 EVOLUTION OF ORGANIC COMPOUNDS IN VOLCANIC REGIONS. Mukhin, L.M. (Space Res. Inst., Moscow, USSR). Nature (London); 251: No. 5470, 50-1(1974).
HOT SPRINGS;VOLCANIC REGIONS;USSR;ORGANIC COMPOUNDS;THIOCYANATES;FERROCYANIDES;LAVA;GASES

1963 GEOCHEMICAL STUDIES ON THE IWOJIMA VOLCANO (KAGOSHIMA PREFECTURE). 1. CHEMICAL COMPOSITION, TEMPERATURE, AND DISCHARGE OF HIGASHI HOT SPRING, AND THEIR VARIATIONS. Kamada, M.; Sakamoto, H.; Ohishi, T. (Fac. Sci., Kagoshima Univ., Kagoshima, Japan). Onsen Kogakkaishi; 9: No. 3, 117-24(1974).
HOT SPRINGS;GEOCHEMISTRY;VOLCANOES;JAPAN; CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT; FLOW RATE;CORRELATIONS;MANGANESE;BORON; POTASSIUM;LITHIUM

1964 GENERAL FEATURES AND GEOCHEMICAL PECULIARITIES OF ICELAND HYDROTHERMS. Arnorsson, S.; Kononov, V.I.; Polyak, B.G. (Dep. Nat. Heat, Energy Auth. Iceland, Reykjavik, Iceland). Geokhimiya; No. 12, 1747-66(1974).
ICELAND;GEOCHEMISTRY;HYDROTHERMAL SYSTEMS; REVIEWS

1965 MECHANISM OF SUBSTANCE REDISTRIBUTION DURING HYDROTHERMAL METASOMATISM OF ROCKS OF THE BOLSHE-BANNY GEOTHERMAL DEPOSIT. Trukhin, Yu.P. (Inst. Vulkanol., Kamchatka, USSR). pp 155-61 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;USSR;PH VALUE;HIGH TEMPERATURE;MEDIUM TEMPERATURE;HYDROTHERMAL ALTERATION;ROCKS;MASS TRANSFER;HYDROTHERMAL SYSTEMS

1966 ZONING OF MINERAL DEPOSITION IN THE AREAS OF DISCHARGE OF RECENT THERMAL WATERS. Karpov, G.A.; Pavlov, A.L. (Inst. Vulkanol., Kamchatka, USSR). pp 161-4 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;ZONES;MINERALS;DEPOSITION; GEOTHERMAL FIELDS;PH VALUE;ENTHALPY;SULFIDES

1967 PRECIPITATION ZONING IN NALACHEVSKII THERMAL WATERS. Komkova, L.A. (Inst. Vulkanol., Kamchatka, USSR). pp 164-9 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
PRECIPITATION;SEDIMENTS;THERMAL WATERS;PH VALUE;SILICON OXIDES;CARBON DIOXIDE;IRON;USSR; CHEMICAL COMPOSITION

1968 CONTEMPORARY FACIES OF HYDROTHERMALLY ALTERED ROCKS OF THE UZON CALDERA. Glavatskikh, S.F. (Inst. Vulkanol., Kamchatka, USSR). pp 169-73 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
USSR;HYDROTHERMAL ALTERATION;GEOLOGIC FAULTS; THERMAL WATERS;METAMORPHIC ROCKS;QUARTZ;BASALT; MONTMORILLONITE;ZEOLITES;CHEMICAL ANALYSIS; ROCKS

1969 HYDROTHERMAL SOLUTIONS OF THE UPPER ZONE OF PROPYLITIC FACIES AS ILLUSTRATED BY DEPOSITS OF RECENT THERMAL WATERS IN KAMCHATKA. Karpov, G.A. (Inst. Vulkanol., Kamchatka, USSR). pp 185-9 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION;USSR;CHEMICAL COMPOSITION;SODIUM CHLORIDES;PH VALUE;MINERALIZATION;ZONES;SODIUM SULFATES;CALCIUM CHLORIDES;CALCIUM SULFATES

1970 GEOCHEMICAL EFFECT OF HYDROTHERMAL METASOMATISM AND CHANGE OF COMPOSITION OF THERMAL SOLUTIONS WITH TIME (BOLSHE--BANNY GEOTHERMAL DEPOSIT IN KAMCHATKA). Trukhin, Yu.P.; Petrova, V.V. (Inst. Vulkanol., Kamchatka, USSR). pp 191-200 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;SODIUM SULFATES;SODIUM CHLORIDES;HYDROTHERMAL ALTERATION;CHEMICAL COMPOSITION;ROCKS;FELDSPARS;METAMORPHIC ROCKS; GEOCHEMISTRY;USSR;HYDROTHERMAL SYSTEMS

1971 BEHAVIOR OF MERCURY AND ANTIMONY IN RECENT STEAM AND HOT WATERS OF THE KURILE-KAMCHATKA VOLCANIC ZONE. Ozerova, N.A.; Balitskii, V.S.; Komova, V.V.; Truzdeva, M.A.; Volkova, A.V. (Inst. Geol. Rudn. Mestorozhd., Petrogr., Mineral. Geokhim., Moscow, USSR). pp 97-102 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
MERCURY;ANTIMONY;NATURAL STEAM;VOLCANIC REGIONS;THERMAL WATERS;HOT SPRINGS;PHASE TRANSFORMATIONS;ABUNDANCE;HYDROTHERMAL SYSTEMS; GEOCHEMISTRY

1972 RECENT HYDROTHERMAL ACTIVITY IN THE REGION OF THE KARYMSKII VOLCANIC GROUP. Ivanov, B.V. (Inst. Vulkanol., Kamchatka, USSR). pp 32-8 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
USSR;HYDROTHERMAL SYSTEMS;THERMAL WATERS; VOLCANOES;CHEMICAL COMPOSITION;SULFATES; SILICATES;CARBONATES

1973 GENESIS OF THERMAL WATERS ON MENDELEEV VOLCANO, KUNASHIR ISLAND (KURILE ISLANDS). Dunichev, V.M. (Sakhalin. Vulkanol. Upr., USSR). pp 46-51 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;USSR;ORIGIN;VOLCANIC REGIONS; CHEMICAL COMPOSITION;HYDROGEN SULFIDES;SODIUM CHLORIDES;CARBON DIOXIDE;NITROGEN

1974 GEOLOGY AND HOT SPRINGS OF TIKITERE AND TAHAKE HYDROTHERMAL FIELDS, ROTORUA, NEW ZEALAND. Espanola, O.S. (New Zealnd Geol. Surv., Wellington, N.Z.). N.Z. Geol. Surv., Rep.; 68: 1-76(1974).
GEOTHERMAL FIELDS;GEOLOGY;HOT SPRINGS; CHEMICAL COMPOSITION;THERMAL WATERS;SULFATES; AMMONIA;HYDROGEN SULFIDES;NEW ZEALAND

1975 RELATION OF THE COMPOSITION OF WATER-DISSOLVED GASES TO GEOTHERMAL ZONING. Erofeev, V.F. Tr. Vses. Neft. Nauchno-Issled. Geologorazved. Inst.; 348: 60-8(1974).
GASES;GEOTHERMAL FIELDS;ZONES;CHEMICAL COMPOSITION;GROUND WATER;NITROGEN;METHANE; CARBON DIOXIDE;GEOCHEMISTRY;ARTESIAN BASINS

1976 GEOTHERMAL GRADIENT AND DEPTH OF GROUND WATER PERCOLATION IN THE JACHYMOV AREA. Paces, T. (Ustred. Ustav Geol., Prague, Czech.). Vestn. Ustred. Ustavu Geol.; 49: No. 4, 209-13(1974).
GEOTHERMAL GRADIENTS;DEPTH;GROUND WATER; GEOTHERMOMETRY;TEMPERATURE MEASUREMENT; CZECHOSLOVAKIA

1977 CHEMISTRY OF SUBLIMATES COLLECTED DIRECTLY FROM LAVA FOUNTAINS AT KILAUEA VOLCANO, HAWAII. Naughton, J.J.; Lewis, V.A.; Hammond, D.; Nishimoto, D. (Hawaii Inst. Geophys., Univ. Hawaii, Honolulu, Hawaii). Geochim. Cosmochim. Acta; 38: No. 11, 1679-90(1974).
HAWAII;VOLCANOES;LAVA;SULFATES;CHLORIDES; FLUORIDES;FREE ENERGY;CHEMICAL COMPOSITION

1978 HIGH LITHIUM, RUBIDIUM, AND CESIUM CONTENTS OF THERMAL SPRING WATER, SPRING SEDIMENTS, AND BORAX DEPOSITS IN PUGA VALLEY, KASHMIR, INDIA. Chowdhury, A.N.; Handa, B.K.; Das, A.K. (Cent. Chem. Lab., Geol. Surv. India, Calcutta, India). Geochem. J.; 8: No. 2, 61-5(1974).
THERMAL SPRINGS;LITHIUM;RUBIDIUM;CESIUM; ABSORPTION SPECTROSCOPY;ORIGIN;INDIA;CHEMICAL COMPOSITION;THERMAL WATERS;BORAX

1979 PETROLOGY OF BASALTS FROM THE ANAUNSK DISTRICT. Kutyev, F.Sh.; Kutyeva, G.V. (Inst. Vulkanol., Petropavlovsk-Kamchatskii, USSR). Geol. Geofiz.; No. 12, 38-46(1974).
BASALT;PETROLOGY;USSR;VOLCANIC REGIONS; TECTONICS;GEOLOGIC FAULTS;MAGMA;OLIVINE;QUARTZ; SPINELS

1980 EFFECT OF CONTEMPORARY TECTONIC PROCESSES ON THE HYDROTHERMAL REGIME OF DEEP WATER TABLES. Mavlyanov, G.A.; Ibragimov, D.S.; Sultankhodzhaev, A.N.; Ibragimov, T.K.; Sabirov, K.A.; Kirgizov, G.M. (Inst. Seismol., Tashkent, USSR). Uzb. Geol. Zh.; 18: No. 6, 20-3(1974).
TECTONICS;GROUND WATER;CHEMICAL COMPOSITION; SEISMIC EFFECTS;GEOLOGIC FAULTS;HYDROTHERMAL SYSTEMS

1981 GEOTHERMAL ACTIVITY IN VICTORIA LAND, ANTARCTICA. Lyon, G.L. (Inst. of Nucl. Sciences, DSIR, Lower Hutt, N.Z.); Giggenbach, W.F. (Chem. Div., DSIR, Lower Hutt, New Zealand). N. Z. J. Geol. Geophys.; 17: No. 3, 511-21(1974).
ANTARCTICA;GEOTHERMAL RESOURCES;FUMAROLES; DISTRIBUTION;VOLCANOES;VOLCANISM;LAVA; GEOTHERMAL EXPLORATION

1982 EVIDENCE FOR TWO POSSIBLE RELATIONSHIPS BETWEEN OBSERVABLE SURFACE DEFORMATION AND GEOTHERMAL ACTIVITY. Brander, J.L. (Imperial Coll. Sci. and Tech., Geophysics Dept., London, England). Geothermics; 3: No. 1, 17-20(Mar 1974).
GEOTHERMAL FIELDS;ICELAND;EARTHQUAKES; GEOLOGIC FISSURES;TECTONICS;SURFACES; DEFORMATION;WAIRAKEI GEOTHERMAL FIELD; PERMEABILITY;AQUIFERS;CORRELATIONS

1983 ADDITIONAL LOCATION OF METALLIFEROUS SEDIMENTS IN THE RED SEA. Bignell, R.D.; Tooms, J.S.; Cronan, D.S.; Horowitz, A. (Imperial College of Science and Technology, London (England). Applied Geochemistry Research Group). Nature (London); 248: No. 5444, 127-8(8 Mar 1974).
RED SEA;BRINES;THERMAL WATERS;SEDIMENTS; MANGANESE;MERCURY;METALS;TRACE AMOUNTS;ELEMENTS

1984 GEOTHERMAL FIELDS IN INDIA EXPLORED FOR POWER GENERATION. Geothermics; 3: No. 3, 124-5(Sep 1974).
INDIA;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;NATURAL STEAM;HOT-WATER SYSTEMS;AQUIFERS; WELL DRILLING;GEOTHERMAL RESOURCES

1985 TRAVELS IN THE PHILIPPINES. Jagor, F. *English Edition, with some omissions.* London; United Kingdom of Great Britain and Northern Ireland (UK); Chapman and Hall (1875). 370p.
PHILIPPINES;HOT SPRINGS

1986 SCANDIUM AND YTTRIUM IN VOLCANIC ROCKS OF ICELAND. Gerasimovskii, V.I.; Laktionova, N.V.; Grinevskaya, Zh.M. (V. I. Vernadskii Inst. Geochem. Anal. Chem., Moscow, USSR). Geokhimiya; No. 1, 52-60(1975).
VOLCANIC ROCKS;ICELAND;SCANDIUM;YTTRIUM; BASALT;ANDESITES;PYROXENES;CHEMICAL COMPOSITION; ABUNDANCE;CHEMICAL ANALYSIS;EMISSION SPECTROSCOPY

1987 NATION-WIDE GEOTHERMAL INVESTIGATION. GEOLOGICAL AND GEOCHEMICAL INVESTIGATION. Sumi, K. (Geol. Surv. Japan, Tokyo, Japan). Chishitsu Nyusu; 247: 12-27(1975).
Survey of 30 areas from 1973 to 1976.
GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS;JAPAN; GEOTHERMAL EXPLORATION

1988 STRUCTURAL MEANING OF EAST-CENTRAL AFAR VOLCANISM (ETHIOPIA, T.F.A.I.). Civetta, L.; De Fino, M.; Gasparini, P.; Ghiara, M.R.; LaVolpe, L.; Lirer, L. (Ist. Geol. Geofis., Univ. Napoli, Naples, Italy). J. Geol.; 83: No. 3, 363-73(1975).
VOLCANISM;ETHIOPIA;GEOLOGIC STRUCTURES; BASALT;VOLCANIC REGIONS;ROCKS;GEOCHEMISTRY

1989 TERRESTRIAL HEAT FLOW IN ISRAEL. Eckstein, Y.; Simmons, G. (Massachusetts Inst. of Tech., Cambridge). pp 1064 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
0.31 to 12 HFV. ISRAEL;HEAT FLOW;GEOLOGY; HYDROLOGY;THERMAL WATERS;GEOLOGIC FAULTS; SEDIMENTS;TECTONICS

1990 NITROGEN AS AN OXIDANT IN HYDROTHERMAL SYSTEMS. Fisher, J.R.; Haas, J.L. Jr.; Barton, P.B. Jr. (Geological Survey, Reston, VA). pp 1074 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
METEORIC WATER;HYDROTHERMAL SYSTEMS;OXYGEN; NITROGEN;SOLUBILITY;OXIDATION;AMMONIA; GEOCHEMISTRY;DISSOLUTION;REDUCTION

1991 NATURE OF MAGMA SOURCES BENEATH ICELAND AND REYKJANES RIDGE. O'Nions, R.K. (Lamont-Doherty Geological Observatory, Palisades, NY); Pankhurst, R.J.; Gronvold, K. pp 1220 of 1975 annual meetings. New York; Geological Society of America (1975).
ICELAND;TRACE AMOUNTS;ELEMENTS;ISOTOPE RATIO; GEOCHEMISTRY;BASALT;STRONTIUM 86;STRONTIUM 87; VOLCANIC REGIONS;MAGMA;CERIUM;YTTERBIUM

1992 SULFUR ISOTOPES AND SULFIDE DEPOSITION IN THE RED SEA GEOTHERMAL SYSTEM. Shanks, W.C. (Univ. of Southern California, Los Angeles); Bischoff, J.L. pp 1266 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
RED SEA;GEOTHERMAL SYSTEMS;SULFIDES; DEPOSITION;PRECIPITATION;ISOTOPE RATIO;SULFUR 34;BRINES

1993 DEPTH STRUCTURE OF KAMCHATKA STRUCTURAL ZONES. Utnasin, V.K.; Balesta, S.T.; Erlikh, E.N.; Anosov, G.I.; German, L.L.; Shanster, A.E. Sov. Geol.; No. 2, 67-80(1975).
USSR;REVIEWS;GEOLOGIC STRUCTURES

1994 GEOCHEMISTRY OF PORE SOLUTIONS FROM ZONES OF ORE FORMATION OF RECENT VOLCANIC REGIONS EXEMPLIFIED BY THE PAUZHET HYDROTHERMAL SYSTEM. Pampura, V.D.; Novikov, V.M. (Sib. Branch, Inst. Geochem., Irkutsk, USSR). Geokhimiya; No. 4, 614-23(1975).
PAUZHETSK GEOTHERMAL FIELD;GEOCHEMISTRY;USSR; SULFIDES;MINERALIZATION;THERMAL WATERS;ZONES; VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS;CHEMICAL COMPOSITION;HOT SPRINGS

1995 MINERAL CARBONATE WATERS OF CENTRAL AFGHANISTAN. Albul, S.P.; Makhorin, A.A.; Chmyrev, V.M. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 4, 103-107(Apr 1975). (In Russian).
THERMAL WATERS;MINERALS;AFGHANISTAN;GEOLOGIC STRUCTURES;TECTONICS;CARBONATES

1996 *ABSOLUTE DATING OF THE GEOLOGICAL* COMPONENTS OF THE EXIT AREA OF THE CHAUDES-AIGUES HYPERTHERMAL WATERS, MASSIF CENTRAL, FRANCE. Bellon, H.; Gibert, J.-P. C. R. Hebd. Seances Acad. Sci., Ser. D; 280: No. 16, 1849-52(28 Apr 1975). (In French).
HOT SPRINGS;THERMAL WATERS;AGE ESTIMATION; FRANCE

1997 EAST AFRICAN RIFT VALLEYS. TECTONIC SETTING FOR NEW GEOTHERMAL DEVELOPMENT. Saint, P.K. (California State Univ., Fullerton, CA). Geotherm. Energy Mag.; 3: No. 5, 71-75(May 1975).
AFRICA;GEOLOGIC FAULTS;TECTONICS;RIFT ZONES; GEOTHERMAL FIELDS;GEOLOGY;HOT SPRINGS;GEOLOGIC STRUCTURES

1998 HEAT FLOWS CARRIED BY THE THERMOMINERAL SPRINGS OF THE PYRENEES, THE MASSIF CENTRAL, THE VOSGES (FRANCE) THROUGH CRYSTALLINE AND METAMORPHIC ROCKS. Schoeller, H.; Schoeller, M. (Univ. of Bordeaux). C. R. Hebd. Seances Acad. Sci., Ser. D; 281: No. 1, 25-28(Jul 1975). (In French).
HEAT TRANSFER;THERMAL WATERS;HOT SPRINGS; METAMORPHIC ROCKS;FRACTURES;DENSITY;FRANCE

1999 OXYGEN ISOTOPE STUDIES OF THE GEOTHERMAL SYSTEM AT WAIRAKEI, NEW ZEALAND. Clayton, R.N.; Steiner, A. Geochim. Cosmochim. Acta; 39: No. 8, 1179-86(Aug 1975).
ISOTOPE RATIO;OXYGEN 18;NEW ZEALAND;GROUND WATER;GEOTHERMAL ENERGY;ISOTOPIC EXCHANGE; IGNEOUS ROCKS;CARBONATES;THERMAL WATERS;QUARTZ; HYDROTHERMAL ALTERATION;WAIRAKEI GEOTHERMAL FIELD;VOLCANIC ROCKS

2000 GEOLOGICAL-MINING RECORD OF THE PHILIPPINE ISLANDS. Centeno y Garcia, J. Com. Mapa Geol. Espana Bol.; 3: 181-234(1876).
PHILIPPINES;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION

2001 WAIWERA (HOT SPRINGS) NEAR AUCKLAND, NEW ZEALAND. Graham, R. Auckland; New Zealand; Herald Office (1878). 32p.
NEW ZEALAND;HOT SPRINGS;THERMAL WATERS;

CHEMICAL COMPOSITION

2002 AUSTRALASIA BASED ON HELLWALD'S 'DIE ERDE UND IHRE VOLKER'. Wallace, A.R. London; United Kingdom of Great Britain and Northern Ireland (UK); Edward Stanford (1879). 672p.
NEW ZEALAND;HOT SPRINGS;GEYSERS

2003 MUD VOLCANOES AND COLORADO DESERT. Hanks, H.G. pp 227-40 of California Mining Bureau, 2nd Report of State Mineralogist. Sacramento; Calif. Min. Bur. (1882).
COLORADO;VOLCANOES;FUMAROLES;FUMAROLIC FLUIDS;ROCKS;SULFATES;SALTON SEA;CHEMICAL ANALYSIS;TEMPERATURE MEASUREMENT

2004 SKETCH OF THE GEOLOGY OF NEW ZEALAND. Hutton, F.W. Q. J. Geol. Soc. London; 41: 191-220(1885).
NEW ZEALAND;HOT SPRINGS;FUMAROLES;GEYSERS; SOLFATARAS;GEOLOGY

2005 UNDERGROUND WATERS AT THE PRESENT TIME. THEIR REGIME, TEMPERATURE, AND COMPOSITION FROM THE VIEWPOINT OF THE ROLE THEY PLAY IN THE ECONOMY OF THE EARTH'S CRUST. Daubree, G.A. Volumes 1-2. Paris; France; Ch. Dunod. (1887). 455p., 302p.
AFRICA;HOT SPRINGS;THERMAL WATERS; TEMPERATURE MEASUREMENT;FLOW RATE;EUROPE;ASIA; NORTH AMERICA;SOUTH AMERICA;DATA

2006 NOTE ON SOME EJECTA OF THE HOT SPRINGS OF TARAWERA, NEW ZEALAND, FORMED SINCE THE EARTHQUAKE OF 23 JUNE 1886. O'Reilly, J.P. Royal Dublin Soc. Proc.; 6: No. 2, 67-8(1886).
NEW ZEALAND;HOT SPRINGS;ROCKS

2007 TRIP THROUGH THE HOT LAKE DISTRICT, NEW ZEALAND. Spingall, P.W. Trans. Roy. Geog. Soc. Aust. Proc.; 3, Pt. 1: 53-63(1888).
NEW ZEALAND;HOT SPRINGS

2008 CENTRAL AMERICAN VOLCANOES. Von Seebach, K. Trans. 38. Gottingen; German, Federal Republic of (F.R. Germany); K. Gesell. Wiss. Gottingen (1892). 251p.
COSTA RICA;NICARAGUA;EL SALVADOR;GUATEMALA; HOT SPRINGS

2009 DESCRIPTIVE STUDY OF SOME MINERAL SPRINGS OF THE PHILIPPINES. Abella y Casariego, E.; Vera y Gomez, J. de. Manila; Philippines; (1893). 381p.
PHILIPPINES;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION

2010 DATA FOR THE STUDY OF MINERAL WATERS OF MEXICO. Mexico City; Mexico; Inst. Med. Nac., Oficina Tipog. Secretaria Fomento (1895). 84p.
MEXICO;HOT SPRINGS

Geothermal Exploration and Exploration Technology

Refer also to citation(s) 22, 92, 109, 117, 206, 294, 298, 324, 339, 344, 349, 372, 387, 585, 633, 645, 654, 656, 719, 720, 726, 729, 739, 823, 835, 952, 991, 1167, 1242, 1360, 1692, 1706, 1796, 1923, 3460, 3558, 3635, 3749, 4225

2011 (CONF-710571--, pp vp, Paper 8) GEOTHERMAL EXPLORATION. Crosby, J.W. III. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; REVIEWS;SEISMIC SURVEYS;HEAT FLOW;TEMPERATURE MEASUREMENT;GRAVITY SURVEYS;MAGNETIC SURVEYS; INFRARED SURVEYS;GEOCHEMICAL SURVEYS;WASHINGTON; USA

2012 (LBL--3224) LAWRENCE BERKELEY LABORATORY GEOTHERMAL PROGRAM IN NORTHERN NEVADA. Mirk, K.F.; Wollenberg, H.A. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). Sep 1974. Contract W-7405-eng-48. 22p. (CONF-740959--3). Dep. NTIS $4.25.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;NEVADA; GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS; GEOTHERMAL POWER PLANTS;BINARY CYCLES;2-METHYLPROPANE;DESIGN;PLANNING;COST

2013 (NSF/RA/N--74-159, pp 45-72) GEOPHYSICAL, GEOCHEMICAL, AND GEOLOGICAL INVESTIGATIONS OF THE DUNES GEOTHERMAL SYSTEM, IMPERIAL VALLEY, CALIFORNIA. Elders, W.A.; Combs, J.; Coplen, T.B.; Kolesar, P.; Bird, D.K. (Univ. of California, Riverside). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
612 m test well, max. temp of 105 degrees C.
IMPERIAL VALLEY;CALIFORNIA;HOT-WATER SYSTEMS; GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS; GEOLOGICAL SURVEYS;GEOTHERMAL FIELDS

2014 (PB--218830) EXPLORATION AND EXPLOITATION OF GEOTHERMAL RESOURCES IN ARID AND SEMIARID LANDS, A LITERATURE REVIEW AND SELECTED BIBLIOGRAPHY. (Arizona Univ., Tucson (USA)). 1973. 119p. NTIS $5.45; $0.95 (mf).
DESERTS;GEOTHERMAL RESOURCES;BIBLIOGRAPHIES; REVIEWS;GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;MAGNETIC SURVEYS;SEISMIC SURVEYS;ENVIRONMENT;POLLUTION;LEGAL ASPECTS; GEOTHERMAL ENERGY;ECONOMICS;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;GREENHOUSES;BUILDINGS; SPACE HEATING;DESALINATION;PLANNING;GEOTHERMAL EXPLORATION;USA

2015 GEOTHERMAL ENERGY: GEOLOGY, EXPLORATION AND DEVELOPMENTS. PARTS 1 AND 2. Colo. Sch. Min., Miner. Ind. Bull.; 14(1971); 15(1972): No. 6; 1,
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOLOGY;EXPLOITATION

2016 GEOTHERMAL PROSPECTING. Belov, V.I. Wissenschaft. Abhandlungen Donetz - Berginstituts Namens Artem Stalin; 4: 95-102(1929). (In Russian).
GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS; GEOLOGY;EQUATIONS;TEMPERATURE MEASUREMENT

2017 GEOPHYSICAL METHODS DEFINED. Gabriel, V.G. Petrol. World; 40: No. 10, vp(1943). (BM-IC--7273).
USA;GEOPHYSICAL SURVEYS;COST;PETROLEUM;

PROSPECTING;BOREHOLES;SEISMIC SURVEYS;GRAVITY SURVEYS;MAGNETIC SURVEYS;ELECTRICAL SURVEYS; GEOCHEMICAL SURVEYS;RADIATION MONITORING; GEOLOGY;MEASURING METHODS

2018 WELL-LOGGING METHODS STUDIES AT TEXAS A AND M. Guyod, H.C. Petrol. Engr.; 17: No. 7, 218(1946). (BM-IC--7400).
BOREHOLES;WELL LOGGING;GEOPHYSICAL SURVEYS; RADIATION MONITORING;ELCTRICAL SURVEYS; PERMEABILITY;GEOCHEMICAL SURVEYS;TEMPERATURE MONITORING;MEASURING METHODS

2019 DEVELOPMENTS IN GEOPHYSICS (1946). Van Tuyl, F.M.; Levings, W.S. Sch. Mines Quart.; 42: No. 3, vp(1947).
GEOPHYSICS;GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS;MEASURING METHODS;GEOTHERMAL EXPLORATION;GEOCHEMICAL SURVEYS;GEOLOGY; MAGNETIC SURVEYS;ELECTRICAL SURVEYS;GRAVITY SURVEYS;RADIATION MONITORING;AERIAL MONITORING; REVIEWS

2020 GEOCHEMICAL AND GEOPHYSICAL APPROACHES TO THE PROBLEMS OF UTILIZATION OF HOT SPRING WATER AND HEAT. White, D.E.; Sandberg, C.H.; Brannock, W.W. pp 490-499 of Proceedings of 7th Congress of Pacific Science Association, New Zealand, 1949, Volume 2. New Zealand; Pacific Science Assoc. (1953).
Geothermal exploration methods, steamboat springs. GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;REVIEWS;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;MAGNETIC SURVEYS;GEOCHEMICAL SURVEYS;NEVADA;GEOTHERMAL FIELDS;AERIAL PROSPECTING

2021 MANUAL FOR FIELD GEOLOGICAL-PETROLEUM SPECIALISTS. Vassoevich, N.B. (ed.). 2nd edition. Moscow; Union of Soviet Socialist Republics (USSR); Gosudar. Nauch.-Tekh. Izd. Neft. Gorno-Topliv. Lit., Otdel., T. 1-2 (1954). 544p., 564p.
GEOLOGICAL SURVEYS;PETROLEUM;EXPLORATION; MANUALS

2022 GEOTHERMAL STEAM FOR POWER IN NEW ZEALAND. Grange, L.I. (comp.). Bulletin 117. Wellington, New Zealand; New Zealand; New Zealand Dept. Sci. Indust. Res. (1955). 102p.
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; VOLCANIC ROCKS;GEOPHYSICAL SURVEYS;HYDROTHERMAL ALTERATION;GEOTHERMAL FLUIDS;GEOCHEMISTRY;HEAT FLOW;VOLCANIC REGIONS

2023 GEOTHERMAL STEAM FOR POWER IN NEW ZEALAND. Grange, L.I. Bull. N. Z. Dept. Sci. Ind. Res.; No. 117, 102p.(1955).
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; BOREHOLES;HYDROTHERMAL ALTERATION;EQUIPMENT; NATURAL STEAM;WELL DRILLING

2024 HISTORIC SALTON SEA AND IMPERIAL IRRIGATION DISTRICT. Imperial Irrigation District; Public Information Office (1960). 32p.
CALIFORNIA;SALTON SEA;GEOTHERMAL EXPLORATION; REVIEWS

2025 PRINCIPLES IN EXPLORING A GEOTHERMAL FIELD. Sato, K. Butsuri Tanko; 16: No. 1, 1-8(1963). (In Japanese with English abstract).
GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; TEMPERATURE DISTRIBUTION;GEOLOGY;HYDROTHERMAL ALTERATION;PHYSICAL PROPERTIES;BOREHOLES; GEOCHEMISTRY;GEOPHYSICS;MEASURING METHODS; EXPLORATION METHODS

2026 PROCEDURAL INSTRUCTIONS FOR THE STUDY OF THERMAL WATERS IN WELLS. Frolov, N.M.; Aver'yev, V.V.; Dukhin, I.Y.; Lyubimova, Y.A. Vses. Nauchno-Issled. Inst Gidrogeologii i Inzhenernoy Geologii Trudy; No. 17, 140(1964). (In Russian).
THERMAL WATERS;GEOTHERMAL WELLS;NATURAL STEAM;THERMOMETERS;PHYSICAL PROPERTIES;ROCKS; THERMODYNAMIC PROPERTIES

2027 PRELIMINARY EVALUATION OF GEOTHERMAL AREAS BY GEOCHEMISTRY, GEOLOGY, AND SHALLOW DRILLING. White, D.E. pp 402-9 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (In English with French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOCHEMICAL SURVEYS;GEOLOGICAL SURVEYS; BOREHOLES;WELL DRILLING;HEAT FLOW

2028 OPERATIONS RESEARCH AND POSSIBLE APPLICATIONS TO GEOTHERMAL EXPLORATION PROGRAMMING. Durr, F. pp 204-7 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (French abstract)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL EXPLORATION;MEASURING METHODS; PLANNING;RESEARCH PROGRAMS

2029 SOME PROBLEMS IN GEOTHERMAL EXPLORATION. Lovering, T.S. AIME Trans.; 232: No. 3, 274-81(1965).
GEOTHERMAL EXPLORATION;REVIEWS;HYDROTHERMAL SYSTEMS;GEOTHERMAL FIELDS;UTAH;LARDERELLO GEOTHERMAL FIELD;HOT SPRINGS;GEOLOGY;MEASURING METHODS;NATURAL STEAM;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS

2030 PORTABLE SAMPLER FOR COLLECTING WATER SAMPLES FROM SPECIFIC ZONES IN UNCASED OR SCREENED WELLS. Cherry, R.N. pp 214-16 of US Geological Survey Professional Paper 525-C. Washington, DC; US Geological Surv. (1965).
WATER;SAMPLERS;TRANSPORT;BOREHOLES;PUMPS; DESIGN

2031 SOME PROBLEMS IN GEOTHERMAL EXPLORATION. Lovering, T.S. Min. Eng. (London); 17: No. 9, 95-9(Sep 1965).
GEOTHERMAL FIELDS;EXPLORATION;GEOLOGY; GEOTHERMAL EXPLORATION

2032 SELECTION CRITERIA FOR GEOTHERMAL PROSPECTS. Austin, C.F. pp 93-125 of AIME Pacific Southwest Mineral Indust. Conference, Sparks, NV, 1965, Papers. Report 13, Pt. C. Sparks; Nevada Bur. Mines (1966).
GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS; SITE SELECTION;VOLCANIC REGIONS;USA;THERMAL WATERS;HEAT FLOW;GEOLOGY;GEOCHEMISTRY;BY-PRODUCTS;WASTE DISPOSAL

2033 FEATURES OF THERMAL INVESTIGATIONS IN WELLS. Polyakov, G.G. Vyssh. Ucheb. Zaved. Izv., Neft Gaz; No. 8, 6-8(1966).
BOREHOLES;THERMOMETERS;HYDRODYNAMICS; PRESSURE DEPENDENCE;TEMPERATURE MEASUREMENT;

THERMAL EQUILIBRIUM

2034 GASES AND VAPORS OF VOLCANOES IN BAJA CALIFORNIA. Yarza de de la Torre, E. Proc. Int. Geog. Union Reg. Conf., Mexico, 1965; 2: 246-55(1966).
MEXICO;GEOTHERMAL EXPLORATION;VOLCANOES;HOT SPRINGS;FUMAROLIC FLUIDS;GEOTHERMAL ENERGY; BOREHOLES;POWER POTENTIAL;GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS;GEOLOGY

2035 REPORT OF THE SUBCOMMITTEE ON GEOPHYSICAL METHODS APPLIED TO GEOLOGICAL PROBLEMS. Brisbin, W.C. pp 14-26 of National Advisory Comm. Res. Geol. Sci., 16th Annual Report, Canada Geol. Surv., Paper 66-61. Canada Geol. Surv. (1967).
GEOPHYSICS;EDUCATION;PLANNING;CANADA; RESEARCH PROGRAMS;GEOLOGY;RECOMMENDATIONS

2036 BIBLIOGRAPHIC INDEX OF PAPERS PUBLISHED IN COLLECTED GEOPHYSICAL PAPERS. Akad. Nauk Ukr. SSR, Geofiz. Sb.; No. 19, 91-108(1967).
BIBLIOGRAPHIES;GEOPHYSICS;GEOLOGY;SEISMOLOGY; GRAVIMETRY;WELL LOGGING;GEOPHYSICAL SURVEYS; TECTONICS;ROCKS

2037 PROSPECTING FOR GEOTHERMAL POWER. Birdseye, H.S. New York; United States of America (USA); AIME (1967). 11p.
From AIME Pacific Southwest Mineral Industrial Conf.; Pacific Grove, CA (1967).
GEOTHERMAL EXPLORATION;GEOCHEMICAL SURVEYS; GEOPHYSICAL SURVEYS;HOT-WATER SYSTEMS; HYDROTHERMAL SYSTEMS;GEOLOGIC DEPOSITS;HEAT FLOW;BOREHOLES;GEOLOGIC FAULTS;DRY-STEAM SYSTEMS;MAPS;TECTONICS;COST

2038 EXPLORATION FOR GEOTHERMAL RESOURCES. Nakamura, H. Onsen Kagaku; 17: No. 2, 93-98(1967).
GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES

2039 DEVELOPMENT OF RUSSIAN VOLCANOLOGY. Gorshkov, G.A.; Naboko, S.I. Akad. Nauk SSSR, Sibirskoye Otdeleniye, Geol., Geofiz.; No. 10, 100-107(1967).
USSR;VOLCANOES;GEOPHYSICS;GEOLOGY;FUMAROLES; HOT SPRINGS;GEOTHERMAL ENERGY;RESEARCH PROGRAMS

2040 CALIFORNIA MINING REVIEW 1967. Calif. Div. Mines, Geol., Mineral Info. Serv.; 21: No. 2, 19-32(1968).
During 1967. CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;REVIEWS; GEOTHERMAL RESOURCES

2041 EROS - VIEWING THE EARTH FROM SPACE. Fischer, W.A. Geosci. News.; 1: No. 3, 16-19(1968).
SPACE VEHICLES;REMOTE VIEWING EQUIPMENT; EARTH PLANET;IMAGES;GEOTHERMAL FIELDS;AERIAL PROSPECTING;VOLCANOES;EARTHQUAKES;THERMAL RADIATION

2042 GEOTHERMAL INVESTIGATIONS IN HYPERTHERMAL AREAS. Kappelmeyer, O. Int. Geol. Congr., 23rd, Czech., Rep.; 381(1968).
GEOTHERMAL EXPLORATION;HYDROTHERMAL SYSTEMS; GEOTHERMAL FIELDS;GEOLOGY;HYDROLOGY;THERMAL WATERS;MEASURING METHODS

2043 MINERAL WATERS OF THE BURGAS (BULGARIA) ARTESIAN BASIN AND THEIR HEALTH RESORT AND ECONOMIC SIGNIFICANCE. Sterev, K.; Kehajov, T. Nauch. Tr. Nii Kurortologija i Fiz.; 9: 37-44(1968).
THERMAL WATERS;BULGARIA;CARBON DIOXIDE;DEPTH; AQUIFERS;VOLCANIC ROCKS;SEDIMENTARY ROCKS; GEOTHERMAL EXPLORATION

2044 DISTRIBUTION OF TEMPERATURE IN THE ROCKS NEAR THE BOTTOM OF A WELL BEING DRILLED. Putikov, O.F. Akad. Nauk SSSR Izv. Fizika Zemli; No. 10, 91-95(1969). (In Russian).
ROCKS;BOREHOLES;TEMPERATURE MEASUREMENT; EQUATIONS;ROCK DRILLING;TEMPERATURE DISTRIBUTION

2045 EXPLORATION FOR GEOTHERMAL ENERGY IN EL SALVADOR. Bailey, D.G.F. pp 25-31 of Trabajos tecnicos presentados en la segunda reunion de geologos de America Central. Inst. Centroamericano Inv. y Tecnologia Indus. Pubs. Geol., No. 2 (1969).
EL SALVADOR;GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES

2046 TRAINING OF SPECIALISTS IN GEOTHERMY AND THE PRACTICAL UTILIZATION OF HEAT FROM THE EARTH. Cheremenskiy, G.A. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 11, 156-7(1969).
GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL EXPLORATION;PERSONNEL;EDUCATION

2047 (UCRL-Trans--10895) HYDROTHERMAL SYSTEMS ASSOCIATED WITH VOLCANISM AND THE PROSPECTING THEREOF FOR ECONOMIC PURPOSES. APPLICATION TO THE FURNAS REGION (S. MIGUEL, AZORES). Quintino, J. Translated from Tecnica (Lisbon); No. 389, 449-472(1969). 54p. Dep. NTIS $5.75.
VOLCANIC REGIONS;PORTUGAL;HYDROTHERMAL SYSTEMS;GEOTHERMAL EXPLORATION;PLANNING;HEAT FLOW;GEOTHERMAL RESOURCES

2048 PROGRAM FOR THE EXPLORATION OF HIGH-TEMPERATURE AREAS IN ICELAND. Bjornsson, S. (National Energy Authority, Reykjavik, Iceland). Geothermics; Special Issue 2: 1050-4(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL EXPLORATION;ICELAND;ROCK DRILLING; GEOLOGY;GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS; HYDROTHERMAL SYSTEMS;RESEARCH PROGRAMS

2049 METHODS FOR EXPLORATION OF THERMAL WATERS AND A GEOLOGICAL--COMMERCIAL ASSESSMENT OF THEIR DEPOSITS. Bondarenko, S.S.; Mavritsky, B.F.; Polubotko, L.F. (Union Res. Inst. of Hydrogeology and Engineering Geology (VSEGINGEO), Moscow, USSR). Geothermics; Special Issue 2: 1175-83(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;EXPLORATION;GEOLOGY;ECONOMICS; GEOLOGIC STRATA;GEOLOGIC FISSURES;AQUIFERS; HYDROLOGY;GEOTHERMAL EXPLORATION;EXPLORATION METHODS

2050 GEOTHERMAL EXPLORATION IN IMPERIAL VALLEY. Meidav, T.; Rex, R.W. Am. Assoc. Pet. Geol. Bull.; 54: No. 3, 560(1970).
From American Association of Petroleum Geologists Roundtable; (Jun 1970).
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION

2051 MULTIPURPOSE EXPLORATION AND DEVELOPMENT OF GEOTHERMAL RESOURCES. Barnea, J. Pap. Int. Assoc. Eng. Geol., Int. Congr., 1st, Paris; 1: No. 1, 55-8(1971).
GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES; EXPLOITATION

2052 GEOTHERMAL EXPLORATION. Crosby, J.W., II. Paper from 1st Northwest Conference on Geothermal Power. Olympia, Wa; Northwest Conf. on Geothermal Power (May 1971). 20p.
From 1. Northwest Conference on Geothermal Power; Olympia, WA (May 1971).
GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS; SEISMIC SURVEYS;TEMPERATURE DISTRIBUTION; ELECTRICAL SURVEYS;MAGNETIC SURVEYS;HEAT FLOW; HOT SPRINGS;BOREHOLES;MEASURING METHODS; GEOTHERMAL EXPLORATION;INFRARED SURVEYS; WASHINGTON;GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS

2053 EXPLORATION FOR GEOTHERMAL POWER. Robertson, H. pp 60-1 of 41st Annual international meeting of the society of exploration geophysicists: exploration today and energy tomorrow. Tulsa, Okla.; Soc. Exploration Geophysicists (Nov 1971).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; GEOPHYSICS;SEISMOLOGY;WELL DRILLING;BOREHOLES; FUMAROLES;GEYSERS;HOT SPRINGS;AQUIFERS;DEPTH; MEETINGS;SEISMIC SURVEYS;PROCEEDINGS;ENERGY SOURCES;NATURAL STEAM

2054 THERMAL WATER OCCURRENCE ON THE SOUTHERN SHORE OF LAKE BALATON. Korim, K.; Liebe, P. Vizugyi Kozlemenyek; No. 2, 162-79(1972). (English summary).
THERMAL WATERS;GEOTHERMAL EXPLORATION; HUNGARY;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS; GEOLOGICAL SURVEYS;TEMPERATURE MEASUREMENT

2055 EXPLORATION FOR GEOTHERMAL RESOURCES. Combs, J. (Univ. Calif., Riverside); Muffler, L.J.P. Trans. Am. Nucl. Soc.; 15: No. 1, 15(Jun 1972).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;SEISMIC SURVEYS;GEOTHERMAL WELLS

2056 EXPLORATION FOR GEOTHERMAL RESOURCES. Combs, J. (Univ. of California, Riverside); Muffler, L.J.P. pp 95-128 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
Mesa anomaly. BOREHOLES;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;WELL DRILLING;REVIEWS; GEOLOGICAL SURVEYS;BROADLANDS GEOTHERMAL FIELD; EARTH CRUST;ECONOMICS;HEAT TRANSFER;MAPS; GEOLOGY;HYDROLOGY;CALIFORNIA;NEW ZEALAND

2057 GUIDELINES FOR EXPLORATION FOR SOURCES OF GEOTHERMAL ENERGY IN SARDINIA, ITALY. Damiani, A.-V.; Maxia, C. Boll. Soc. Geol. Ital.; 92: No. 3, 567-580(1973).
ITALY;GEOTHERMAL EXPLORATION;MAPS;ECONOMICS; RECOMMENDATIONS;HOT SPRINGS;THERMAL WATERS

2058 PROSPECTING FOR HEAT IN LONG VALLEY. Lachenbruch, A.H.; Lewis, R.E.; Sass, J.H. EOS, Trans., Am. Geophys. Union; 54: No. 11, 1211(1973).
GEOTHERMAL EXPLORATION;CALIFORNIA;HEAT FLOW; USES;GEOTHERMAL RESOURCES;PROSPECTING; GEOTHERMAL FIELDS

2059 ASSESSMENT OF GEOTHERMAL EXPLORATION TECHNOLOGY. Banwell, J.; Meidav, T.; Tonani, F. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 43-4(1973).
GEOTHERMAL EXPLORATION;GEOCHEMICAL SURVEYS; GEOPHYSICAL SURVEYS;COMPARATIVE EVALUATIONS; USES;MEASURING METHODS;GEOLOGICAL SURVEYS

2060 GEOTHERMAL EXPLORATION IN THE FIRST QUARTER CENTURY. Anderson, D.N.; Hall, B.A. (eds.). Special report No. 3. Davis, CA; United States of America (USA); Geothermal Resources Council (1973). 196p.
Collection of papers illustrating early interest in geothermal development, including reports prepared for the Southern Sierras Power Company by H.N. Siegfried in 1925. GEOTHERMAL EXPLORATION;REVIEWS

2061 VESSEL FOR COLLECTING SUBSURFACE WATER SAMPLES FROM GEOTHERMAL DRILLHOLES. Klyen, L.E. (Chem. Div., DSIR, Wairakei, New Zealand). Geothermics; 2: No. 2, 57-60(Jun 1973).
BOREHOLES;THERMAL WATERS;SAMPLING;GASES; CONTAINERS;DESIGN

2062 DRY GEOTHERMAL WELLS: PROMISING EXPERIMENTAL RESULTS. Hammond, A.L. (Dept. of Interior, Washington, DC). Science; 182: No. 4107, 43-44(5 Oct 1973).
GEOTHERMAL RESOURCES;EXPLORATION;POWER PLANTS;FRACTURES;ELECTRICITY;ENVIRONMENT;BRINES; HEATING;ROCKS;GRANITES;GROUND WATER;GEOTHERMAL WELLS;GEOTHERMAL EXPLORATION

2063 GEOTHERMAL PROJECT (CANADA GEOLOGICAL SURVEY PAPER 74-1). Souther, J.G. (Canada Geological Survey Paper 74-1). Report of activities; Part A, April to October 1973; Cordilleran geology. Canada; Canada Geological Survey Paper 74-1 (1974).
BRITISH COLUMBIA;RESEARCH PROGRAMS;HOT SPRINGS;THERMAL WATERS;GEOTHERMAL EXPLORATION; GEOCHEMISTRY;TRACE AMOUNTS;TEMPERATURE MEASUREMENT;CANADA

2064 SEARCH FOR HOT ROCKS; GEOTHERMAL EXPLORATION, NORTHWEST. Schuster, J.E. Geotherm. Energy Mag.; 2: No. 5, 58-60(1974).
CALIFORNIA;OREGON;WASHINGTON;GEOTHERMAL ENERGY;ROCKS;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL EXPLORATION;USA

2065 PRELIMINARY GEOTHERMAL EXPLORATION SAN FRANCISCO VOLCANIC FIELD, NORTHERN ARIZONA. McKee, E.H.; Smith, R.L.; Shaw, H.R. Geol. Soc. Am., Bull.; 6: No. 5, 458(1974).
ARIZONA;VOLCANIC REGIONS;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY;ECONOMICS; EXPLORATION

2066 INTEGRATED EXPLORATION IN GEOTHERMAL AREA. Ward, S.H.; Cook, K.L.; Parry, W.T.; Peeples, W.J.; Nash, W.P.; Smith, R.B.; Whelan, J.A. Geol. Soc. Am., Bull.; 6: No. 3, 272-273(1974).
UTAH;GEOTHERMAL EXPLORATION;ECONOMICS

2067 GEOTHERMAL ACTIVITY IN 1973. Bowen, R.G. Ore Bin; 36: No. 1, 9-11(1974).
GEOTHERMAL ENERGY;OREGON;ECONOMICS;

GEOTHERMAL EXPLORATION;USA

2068 GEOTHERMAL EXPLORATION IN NORTHERN CHILE. Lahsen, A.A. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1447-8(1974).
CHILE;GEOTHERMAL EXPLORATION

2069 DEVELOPMENTS IN WEST COAST AREA IN 1973. Pfeiffer, D.H. Am. Assoc. Pet. Geol. Bull.; 58: No. 8, 1536-46(1974).
WASHINGTON;OREGON;CALIFORNIA;EXPLORATION; WELL DRILLING;GEOTHERMAL ENERGY;PETROLEUM; NATURAL GAS;ECONOMICS;GEOLOGY;GEOTHERMAL RESOURCES;RESERVES;DATA;GEOTHERMAL EXPLORATION

2070 DEVELOPMENTS IN FOUR CORNERS-INTERMOUNTAIN AREA IN 1973. Thomaidis, N.D. Am. Assoc. Pet. Geol. Bull.; 58: No. 8, 1581-5(1974).
UTAH;NEVADA;ARIZONA;COLORADO;NEW MEXICO; EXPLORATION;WELL DRILLING;GEOTHERMAL ENERGY; PETROLEUM;NATURAL GAS;GEOTHERMAL EXPLORATION; ENERGY SOURCES

2071 GEOTHERMICS, WITH SPECIAL REFERENCE TO APPLICATION. Kappelmeyer, O.; Haenel, R. Geoexploration monographs, Series 1, No. 4. Berlin; German, Federal Republic of (F.R. Germany); Gebrueder Borntraeger (1974). 250p.
Book (in English). RADIOACTIVE WASTE DISPOSAL;UNDERGROUND DISPOSAL;GEOTHERMAL EXPLORATION;HYDROLOGY;BOREHOLES;TEMPERATURE GRADIENTS;EARTH CRUST;THERMAL CONDUCTIVITY;HEAT TRANSFER;HEAT FLOW;GEOPHYSICAL SURVEYS

2072 SEEKING GEOTHERMAL RESOURCES. Ward, S.H. (Dept. of Geology and Geophysics, Univ. of Utah, Salt Lake City). Geotimes; 20: No. 11, 14-15(Nov 1975).
Report of Workshop on Geothermal Methods Applied to Detection, Delineation and Evaluation of Geothermal Resouces, Aug. 24-28, 1975, Snowbird, Utah. GEOTHERMAL EXPLORATION; MEASURING METHODS;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;SEISMIC SURVEYS;WELL LOGGING; BOREHOLES;GEOLOGICAL SURVEYS;MEETINGS

Geophysical Techniques and Surveys

Refer also to citation(s) 126, 146, 255, 256, 342, 380, 381, 382, 383, 384, 455, 521, 527, 639, 643, 652, 676, 706, 721, 722, 736, 751, 763, 810, 824, 851, 861, 873, 881, 887, 918, 934, 935, 971, 972, 973, 988, 992, 993, 998, 1008, 1063, 1113, 1126, 1133, 1135, 1136, 1232, 1237, 1240, 1323, 1355, 1359, 1367, 1374, 1389, 1390, 1410, 1420, 1422, 1424, 1441, 1453, 1472, 1478, 1482, 1522, 1527, 1528, 1534, 1538, 1549, 1573, 1579, 1580, 1584, 1616, 1648, 1650, 1657, 1667, 1683, 1684, 1694, 1717, 1734, 1778, 1829, 1859, 1861, 1908, 1989, 2853, 2889, 2914, 3004, 3021, 3288, 3289, 3292, 3294, 3296, 3300, 3301, 3302, 3310, 3311, 3336, 3337, 3350, 3354, 3374, 3380, 3381, 3385, 3391, 3396, 3399, 3977, 4134, 4141, 4435, 4440, 4460, 4463, 4481, 4581, 4648, 5097, 5100

2073 (AD--733238) THERMAL CONDITIONS IN MONTEREY BAY DURING SEPTEMBER 1966 THROUGH SEPTEMBER 1967 AND JANUARY 1970 THROUGH JUNE 1971. Anderson, R.C. (Naval Postgraduate School, Monterey, Calif. (USA)). Sep 1971. 78p. NTIS $3.00; $0.95 (mf).
CALIFORNIA;THERMAL WATERS;DATA COMPILATION; BAYS

2074 (AD--748309) SEA FLOOR GEOTHERMAL MEASUREMENTS FROM VEMA CRUISE 25. TECHNICAL REPORTS NOS. 2 AND 4, JAN-APR 1968. Langseth, M.G., Jr.; Malone, I.E.; Bookman, C.A. (Lamont-Doherty Geological Observatory, Palisades, NY). May 1972. Contract N00014-67-A-0108-0004. 168p. NTIS $3.00; $0.95.
ATLANTIC OCEAN;SEA BED;TEMPERATURE DISTRIBUTION;THERMAL CONDUCTIVITY;SEDIMENTS; GEOTHERMAL GRADIENTS;SEAWATER;THERMISTORS; TEMPERATURE MEASUREMENT

2075 (AD--749983) SEA FLOOR GEOTHERMAL MEASUREMENTS FROM CONRAD CRUISE 13. TECHNICAL REPORT, APR-DEC 1970. Bookman, C.A.; Malone, I.E.; Langseth, M.G., Jr. (Lamont-Doherty Geological Observatory, Palisades, NY). Jul 1972. Contract N00014-67-A-0108-0004. 275p. NTIS $3.00; $0.95 (mf).
SEA BED;ATLANTIC OCEAN;PACIFIC OCEAN; SEDIMENTS;GEOTHERMAL GRADIENTS;THERMAL CONDUCTIVITY;SEAWATER;THERMISTORS;TEMPERATURE DISTRIBUTION

2076 (AD--764522) PROGRESS REPORT ON ELECTRICAL RESISTIVITY STUDIES, COSO GEOTHERMAL AREA, INYO COUNTY, CALIFORNIA. TECHNICAL PUBLICATION. Furgeson, R.B. (Naval Weapons Center, China Lake, Calif. (USA)). Jun 1973. 70p. (NWC-TP--5497). NTIS $3.50; $1.45 (mf).
CALIFORNIA;ELECTRICAL SURVEYS;GEOTHERMAL EXPLORATION;GEOLOGY;GEOTHERMAL FIELDS

2077 (AD--764522-9) PROGRESS REPORT ON ELECTRICAL RESISTIVITY STUDIES, COSO GEOTHERMAL AREA, INYO COUNTY, CALIFORNIA. Ferguson, R.B. Jun 1973. 70p. (NWC-TP--5497). NTIS $3.50.
GEOTHERMAL ENERGY;VOLCANOES;CALIFORNIA;MAPS; ELECTRIC CONDUCTIVITY;GEOLOGY;SITE SELECTION; GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES;HOT SPRINGS;GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS;GEOTHERMAL FIELDS

2078 (AD--782594) FIELD EVALUATION OF CANER'S BROAD-BAND GEOMAGNETIC INDUCTION INSTRUMENTATION. Dragert, H. (British Columbia Univ., Vancouver (Canada). Dept. of Geophysics and Astronomy). 17 Sep 1973. 10p. NTIS.
GEOMAGNETIC FIELD;INDUCTION;MAGNETIC SURVEYS; VARIATIONS;MEASURING INSTRUMENTS

2079 (AFCRL--70-0277) REMOTE SENSING - US AIR FORCE CAMBRIDGE RESEARCH LABS. TRANSLATION 79. Svensson, H. (National Technical Information Service, Springfield, Va. (USA)). 1970. 16p. NTIS.
REMOTE SENSING;AERIAL MONITORING;INFRARED SURVEYS;ICELAND;SWEDEN;DATA PROCESSING; COMPUTERS;PHOTOGRAPHY

2080 (CONF-740209--, pp 10-12) IMAGERY FROM INFRARED SCANNING OF THE EAST AND SOUTHWEST RIFT ZONES OF KILAUEA AND THE LOWER PORTION OF THE SOUTHWEST RIFT ZONE OF MAUNA LOA, ISLAND OF HAWAII. Abbott, A.T. (Univ. of Hawaii, Manoa, HI). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
Surface thermal anomaly of 15° to 22°C.

INFRARED SURVEYS;VOLCANOES;HAWAII;RIFT ZONES; GEOPHYSICAL SURVEYS

2081 (CONF-740209--, pp 41-58) GEOPHYSICAL EXPLORATION ON THE STRUCTURE OF VOLCANOES: TWO CASE HISTORIES. Furumoto, A.S. (Univ. of Hawaii, Honolulu). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
Koolan volcano in Hawaii and Rabaul volcano in New Guinea. VOLCANOES;GEOPHYSICAL SURVEYS; HAWAII;SEISMIC SURVEYS;GRAVITY SURVEYS; GEOTHERMAL RESOURCES;NEW GUINEA;MAGNETIC SURVEYS

2082 (CONF-740209--, pp 80-106) GEO-ELECTRICAL INDICATIONS AT THE OTAKE GEOTHERMAL FIELD IN THE WESTERN PART OF THE KUJYU VOLCANO GROUP, KYUSHU, JAPAN. Onodera, S. (Kyushu Univ., Japan). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
OTAKE GEOTHERMAL FIELD;GEOTHERMAL FLUIDS; FLUID FLOW;ELECTRICAL SURVEYS;GEOTHERMAL WELLS; ZONES;JAPAN

2083 (CONF-740209--, pp 154-159) SEISMIC NOISE SURVEYS IN GEOTHERMAL AREAS. Iyer, H.M. (U.S. Geological Survey, Menlo Park, CA). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
SEISMIC NOISE;SEISMIC SURVEYS;IMPERIAL VALLEY;YELLOWSTONE NATIONAL PARK;CALIFORNIA; GEOTHERMAL FIELDS;WYOMING

2084 (CONF-740209--, pp 160-167) USE OF MICROEARTHQUAKES IN PROSPECTING FOR GEOTHERMAL AREAS AND MAGMA CHAMBERS. Ward, P.L. (U.S. Geological Survey, Menlo Park, CA); Koyanagi, R. 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
GEOTHERMAL FIELDS;MAGMA SYSTEMS; MICROEARTHQUAKES;GEOTHERMAL EXPLORATION;SEISMIC SURVEYS

2085 (CONF-740209--, pp 603-616) GEOTHERMAL POWER GENERATIONS IN BASALTIC PROVINCES, LANZAROTE (CANARY ISLANDS). Arana, V.; Ortiz, R.; Badiola, E.R.; Yuguero, J. (Univ. of Madrid). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
CANARY ISLANDS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;SEISMIC NOISE;GRAVITY SURVEYS;GEOTHERMAL GRADIENTS; TEMPERATURE MEASUREMENT;ELECTRICAL SURVEYS; GEOTHERMAL RESOURCES

2086 (CONF-741145--2) MICROEARTHQUAKES IN GEOTHERMAL PROSPECTING. Lange, A.L. (AMAX Exploration, Inc., Denver, Colo. (USA)). [nd]. 11p. AMAX Exploration, Inc., 4704 Harlan Street, Denver, CO 80212.
From Annual meeting Society of Economic Geologists; Miami, Florida, USA (18 Nov 1974).
GEOTHERMAL EXPLORATION;SEISMIC SURVEYS; SEISMIC NOISE;GEOTHERMAL SYSTEMS;CORRELATIONS; SIGNALS;SPECTRA;MEASURING INSTRUMENTS;OPERATION; MICROEARTHQUAKES;GEOTHERMAL FIELDS

2087 (CONF-741162--1) DIPOLE MAPPING METHOD. Keller, G.V.; Furgerson, R.; Lee, C.Y.; Harthill, N.; Jacobson, J.J. (Colorado School of Mines, Golden (USA). Dept. of Geophysics; Group Seven, Inc., Golden, Colo. (USA); Montana School of Mines and Technology, Butte (USA)). 1974. 67p.
From Annual meeting of the Society of Economic Geologists; Miami, Florida, USA (18 Nov 1974).
ELECTRIC CONDUCTIVITY;TOPOLOGICAL MAPPING; GEOTHERMAL RESOURCES;ELECTRIC FIELDS; EXPLORATION;MINING;ELECTRIC DIPOLES;MAGNETIC DIPOLES

2088 (CONF-750525--16) GEOPHYSICAL PAPERS SUBMITTED TO THE SECOND U.N. SYMPOSIUM ON THE DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES, SAN FRANCISCO, CALIFORNIA, MAY 20--29, 1975. REPORT NO. 102. Risk, G.F. (comp.). (Department of Scientific and Industrial Research, Wellington (New Zealand)). May 1975. 160p. Dep. NTIS (US Sales Only) $7.75.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975).
LEADING ABSTRACT;GEOPHYSICAL SURVEYS;NEW ZEALAND;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION

2089 (CONF-750525--16, pp 5-19) MONITORING THE BOUNDARY OF THE BROADLANDS GEOTHERMAL FIELD, NEW ZEALAND. Risk, G.F. May 1975.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975).
Geophysical papers submitted to the second U.N. symposium on the development and use of geothermal resources.
Dipole-dipole resitivity survey. ELECTRICAL SURVEYS;BROADLANDS GEOTHERMAL FIELD;NEW ZEALAND; ELECTRIC CONDUCTIVITY

2090 (CONF-750525--16, pp 20-35) USEFUL HEAT CONTAINED IN THE BROADLANDS GEOTHERMAL FIELD. Macdonald, W.J.P. May 1975.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975).
Geophysical papers submitted to the second U.N. symposium on the development and use of geothermal resources.
BROADLANDS GEOTHERMAL FIELD;GROUND WATER; GEOTHERMAL ENERGY;POWER POTENTIAL;ENERGY YIELD; THERMAL WATERS;TEMPERATURE MEASUREMENT;HEAT FLOW;BOREHOLES;HOT-WATER SYSTEMS;GEOPHYSICAL SURVEYS;NEW ZEALAND

2091 (CONF-750525--16, pp 36-62) STUDIES OF THE PROPAGATION AND SOURCE LOCATION OF GEOTHERMAL SEISMIC NOISE. Whiteford, P.C. May 1975.
From 2. United Nations symposium on the development and uses of geothermal resources;

San Francisco, California, USA (20 May 1975). Geophysical papers submitted to the second U.N. symposium on the development and use of geothermal resources.
WAIRAKEI GEOTHERMAL FIELD;WAIOTAPU GEOTHERMAL FIELD;SEISMIC NOISE;NEW ZEALAND; VELOCITY;SEISMIC SURVEYS;WAVE PROPAGATION

2092 (CONF-750525--16, pp 63-77) ASSESSMENT OF THE AUDIO-MAGNETOTELLURIC METHOD FOR GEOTHERMAL RESISTIVITY SURVEYING. Whiteford, P.C. May 1975.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975). Geophysical papers submitted to the second U.N. symposium on the development and use of geothermal resources.
ELECTRICAL SURVEYS;BROADLANDS GEOTHERMAL FIELD;ELECTRIC CONDUCTIVITY;FREQUENCY DEPENDENCE;NOISE;SOUND WAVES;ELECTROMAGNETIC SURVEYS

2093 (CONF-750525--16, pp 78-100) DETECTION OF BURIED ZONES OF FISSURED ROCK IN GEOTHERMAL FIELDS USING RESISTIVITY ANISOTROPY MEASUREMENTS. Risk, G.F. May 1975.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975). Geophysical papers submitted to the second U.N. symposium on the development and use of geothermal resources.
ELECTRICAL SURVEYS;BROADLANDS GEOTHERMAL FIELD;NEW ZEALAND;ANISOTROPY;HOT-WATER SYSTEMS; ROCKS;GEOLOGIC FISSURES;RHYOLITES

2094 (CONF-750525--16, pp 101-120) AIRBORNE INFRA-RED SURVEY OF THE TAUHARA GEOTHERMAL FIELD, NEW ZEALAND. Dickinson, D.J. May 1975.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975). Geophysical papers submitted to the second U.N. symposium on the development and use of geothermal resources.
GEOTHERMAL FIELDS;NEW ZEALAND;INFRARED SURVEYS;HEAT FLOW;MAPS

2095 (CONF-750612--, pp 133-147) REFLECTION SEISMIC TECHNIQUES LOCATE GEOPRESSURED GEOTHERMAL ANOMALIES. Aud, B.W. (Dresser Industries, Inc., Houston, TX). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975). First geopressured geothermal energy conference.
SEISMIC SURVEYS;VELOCITY;PRESSURE GRADIENTS; LITHOLOGY;PRESSURE MEASUREMENT;MEASURING METHODS;GEOPRESSURED SYSTEMS;GEOTHERMAL EXPLORATION

2096 (E--74-10480) REMOTE SENSING GEOPHYSICS FROM SKYLAB. MONTHLY REPORT. Watson, K. (Geological Survey, Denver, Colo. (USA)). Jan 1974. 3p. (NASA-CR--136883). NTIS $4.00; $1.45 (mf).
SKYLAB;GEOPHYSICAL SURVEYS;CALIFORNIA;NEVADA; REMOTE SENSING;GEOTHERMAL RESOURCES

2097 (HIG--75-6) GEOELECTRIC-GEOTHERMAL EXPLORATION ON HAWAII ISLAND: PRELIMINARY RESULTS. Klein, D.P.; Kauahikaua, J.P. (Hawaii Univ., Honolulu (USA). Hawaii Inst. of Geophysics). Jan 1975. 33p. Dep. NTIS $4.50.
HAWAII;ELECTRICAL SURVEYS;GEOTHERMAL EXPLORATION;RIFT ZONES;ELECTRIC CONDUCTIVITY; HIGH TEMPERATURE;MAPS

2098 (JPRS--54671) AIRBORNE AND SATELLITE IR SOUNDING. Miroshnikov, M.M.; Karizhenskii, B.Ya.; Shilin, B.V.; Artsybashev, E.S.; Melnikov, V.F. (Joint Publications Research Service, Washington, D.C. (USA)). 10 Dec 1971. 20p. NTIS $3.00; $0.95 (mf).
INFRARED SURVEYS;AERIAL PROSPECTING; GEOTHERMAL EXPLORATION;REMOTE SENSING;WATER RESOURCES;USSR

2099 (LA--5386-MS) SEISMIC PROGRAM OF THE LOS ALAMOS SCIENTIFIC LABORATORY. Purtymun, W.D.; Jordan, H.S. (comps.). (Los Alamos Scientific Lab., N.Mex. (USA)). Sep 1973. Contract W-7405-eng-36. 14p. Dep. NTIS $4.00.
SEISMOLOGY;LASL;ENVIRONMENT;GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;RESEARCH PROGRAMS; GEOPHYSICAL SURVEYS;UNDERGROUND EXPLOSIONS; NUCLEAR EXPLOSIONS;GROUND MOTION

2100 (LA--6022-MS) TEMPERATURE MEASUREMENTS IN THE PRECAMBRIAN SECTION OF GEOTHERMAL TEST HOLE NO. 2. Albright, J.N. (Los Alamos Scientific Lab., N.Mex. (USA)). Jul 1975. Contract W-7405-ENG-36. 11p. Dep. NTIS $4.00.
BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL EXPLORATION;THERMISTORS;HOT-DRY-ROCK SYSTEMS; GEOPHYSICAL SURVEYS

2101 (LA--6199-MS) PRELIMINARY MEASUREMENTS OF THE THERMAL CONDUCTIVITY OF ROCKS FROM LASL GEOTHERMAL TEST HOLES GT-1 AND GT-2. Sibbitt, W.L. (Los Alamos Scientific Lab., N.Mex. (USA)). Dec 1975. Contract W-7405-eng-36. 8p. Dep. NTIS $4.50.
ROCKS;THERMAL CONDUCTIVITY;DRILL CORES; BOREHOLES;GEOTHERMAL FIELDS

2102 (LA-UR--75-723) TRANSDUCER TECHNOLOGY FOR DEEP BOREHOLE GEOTHERMAL ENVIRONMENTS. Dennis, B.R.; Todd, B.E. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-eng-36. 53p. (CONF-750431--1). Dep. NTIS $5.75.
HYDRAULIC FRACTURING;TRANSDUCERS;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT;RECORDING SYSTEMS;BOREHOLES;HOT-DRY-ROCK SYSTEMS;WELL LOGGING;DESIGN

2103 (LA-UR--75-952) NEW AND MORE ACCURATE METHOD FOR THE DIRECT MEASUREMENTS OF EARTH TEMPERATURE GRADIENTS IN DEEP BOREHOLES. Albright, J.N. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-eng-36. 17p. (CONF-750525--7). Dep. NTIS $4.00.
GT-2 borehole temperature of 197°C at 2928 m, 60°C/km over bottom 0.8 km. BOREHOLES; GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT; HOT-DRY-ROCK SYSTEMS;GEOTHERMAL EXPLORATION; THERMAL EQUILIBRIUM;MEASURING METHODS;NEW MEXICO

2104 (N--67-39313) INFRARED INVESTIGATIONS, STATUS REPORT. Moxham, R.M. (University of New Mexico, Technical Applications Center). 1966. 8p. (NASA-CR--79136).
INFRARED SURVEYS;CALIFORNIA;WASHINGTON; GEYSERS;GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;PHOTOGRAPHY; AERIAL PROSPECTING;FUMAROLES

2105 (N--68-25251) GEOTHERMAL STUDIES: YELLOWSTONE NATIONAL PARK (TEST SITE 11), WYOMING. Fournier, R.O.; Muffler, L.J.; Truesdell, A.H.; White, D.E. (Geological Survey, Menlo Park, Calif. (USA)). May 1968. 15p. (NASA-CR--94781; NASA--109). NTIS $3.00.
YELLOWSTONE NATIONAL PARK;WYOMING;HEAT TRANSFER;TEMPERATURE MEASUREMENT;REMOTE SENSING; GEOLOGY;DRILLING;BOREHOLES;RADIOMETERS

2106 (N--68-37353) AERIAL INFRARED SURVEYS AT THE GEYSERS GEOTHERMAL STEAM FIELD, CALIFORNIA. Moxham, R.M. (Geological Survey, Washington, D.C. (USA)). 1968. 84p. (NASA-CR--97274; NASA--123). NTIS $6.00.
GEYSERS GEOTHERMAL FIELD;INFRARED SURVEYS; PHOTOGRAPHY;CALIFORNIA;TEMPERATURE MEASUREMENT

2107 (N--69-28453) AERIAL INFRARED IMAGES OF THE GEYSERS GEOTHERMAL STEAM FIELD AND VICINITY, SONOMA COUNTY, CALIFORNIA. Moxham, R.M. (Geological Survey, Washington, D.C. (USA)). May 1968. 15p. (NASA-CR--101454; NASA--110). NTIS $3.00.
GEYSERS GEOTHERMAL FIELD;CALIFORNIA;INFRARED SURVEYS;PHOTOGRAPHY;RADIOMETERS

2108 (N--75-14212) ECONOMIC VALUE OF REMOTE SENSING OF EARTH RESOURCES FROM SPACE: AN ERTS OVERVIEW AND THE VALUE OF CONTINUITY OF SERVICE. VOLUME 7. NONREPLENISHABLE NATURAL RESOURCES: MINERALS, FOSSIL FUELS, AND GEOTHERMAL ENERGY SOURCES. Lietzke, K.R. (ECON, Inc., Princeton, N.J. (USA)). 31 Oct 1974. Contract NASW-2580. 85p. (NASA-CR--141264). NTIS $4.75.
REMOTE SENSING;GEOTHERMAL RESOURCES;MINERALS; FOSSIL FUELS;COST BENEFIT ANALYSIS;MAPS; SATELLITES;ECONOMICS;ENERGY SOURCES

2109 (NASA-SP--327, pp 1549-60) THERMAL SURVEILLANCE OF CASCADE RANGE VOLCANOES USING ERTS-1 MULTISPECTRAL SCANNER, AIRCRAFT IMAGING SYSTEMS, AND GROUND-BASED DATA COMMUNICATION PLATFORMS. Friedman, J.D.; Frank, D.G.; Preble, D.; Painter, J.E. (Geol. Surv., Washington, DC). 1973.
Symposium on Significant Results Obtained from the Earth Resources Technology Satellite-1. Volume 1. Technical presentations, Section B, Goddard Space Flight Center, New Carrollton, MD, 5-9 Mar 1973.
INFRARED SURVEYS;TEMPERATURE MEASUREMENT; CONVECTION;VOLCANOES;MAPS;SATELLITES;REMOTE SENSING;EARTH CRUST;ICELAND

2110 (NASA-SP--327, pp 1539-48) PRELIMINARY EVALUTION OF ERTS-1 IMAGES ON THE VOLCANIC AREAS OF SOUTHERN ITALY. Cassinis, R.; Lechi, G.M. (Consiglio Nazionale Delle Ricerche, Milan (Italy). Lab. per la Geofisica Della Litosfera). 1973.
Symposium on Significant Results Obtained from the Earth Resources Technology Satellite-1. Volume 1. Technical presentations, Section B, Goddard Space Flight Center, New Carrollton, MD, 5-9 Mar 1973.
VOLCANIC REGIONS;ITALY;VOLCANISM;GEOLOGIC FAULTS;REMOTE SENSING;INFRARED SURVEYS

2111 (NSF/RA/N--74-027B) MARYSVILLE, MONTANA, GEOTHERMAL PROJECT. PART II. GEOLOGICAL AND GEOPHYSICAL EXPLORATION AT MARYSVILLE GEOTHERMAL AREA: 1973 RESULTS. Blackwell, D.D.; Brott, C.A.; Goforth, T.T.; Holdaway, M.J.; Morgan, P.; Petefish, D.; Rape, T.; Steele, J.L.; Spafford, R.E.; Waibel, A.F.; Friedline, R.; Smith, R.L. (Southern Methodist Univ., Dallas, Tex. (USA); Utah Univ., Salt Lake City (USA); Battelle Pacific Northwest Labs., Richland, Wash. (USA); Systems, Science and Software, La Jolla, Calif. (USA)). Apr 1974. 104p. NTIS.
MONTANA;GEOPHYSICAL SURVEYS;TABLES;SEISMIC SURVEYS;GEOTHERMAL RESOURCES;ACTIVATION ANALYSIS;PETROLOGY;GEOLOGY;MAPS;GEOTHERMAL FIELDS

2112 (NSF/RA/N--74-159, pp 112) TERRESTRIAL HEAT FLOW STUDIES ASSOCIATED WITH THE RIO GRANDE RIFT AND NEIGHBORING GEOLOGIC PROVINCES. Reier, M.; Edwards, C.L.; Shearer, C.; Weidman, C. (New Mexico Inst. of Mining and Tech., Socorro). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
NEW MEXICO;HEAT FLOW;GEOLOGIC FAULTS;WELL DRILLING;WELL LOGGING;GEOPHYSICAL SURVEYS

2113 (NSF/RA/N--74-159, pp 85-97) HEAT FLOW AND GEOTHERMAL POTENTIAL OF THE EAST MESA KGRA, IMPERIAL VALLEY, CALIFORNIA. Swanberg, C.A. (Bureau of Reclamation, Boulder City, NV). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
1.4 to 7.9 hfu. IMPERIAL VALLEY;CALIFORNIA; HEAT FLOW;TEMPERATURE GRADIENTS;CLAYS; GEOTHERMAL FIELDS

2114 (PB--218830, pp 64) STEAMING AND WARM GROUND IN YELLOWSTONE NATIONAL PARK: THEIR LOCATION, GEOPHYSICS, VEGETATION AND MAPPING WITH AERIAL MULTISPECTRAL IMAGERY. Miller, L.D. 1968.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; NATURAL STEAM;ECOLOGY;INFRARED SURVEYS;REMOTE SENSING;AERIAL MONITORING;IMAGES;MAPS; HYDROTHERMAL SYSTEMS

2115 (PB--218830, pp 20) GEOTHERMAL EXPLORATION FOR GROUND WATER. Birman, J.H. 1969.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
CALIFORNIA;GROUND WATER;PROSPECTING; GEOTHERMAL EXPLORATION;TEMPERATURE MEASUREMENT; THERMISTORS;DEPTH;EARTH CRUST;GEOLOGICAL SURVEYS;TEMPERATURE DISTRIBUTION;WATER RESOURCES

2116 (PB--218830, pp 37) GEOTHERMAL INVESTIGATIONS IN SOME REGIONS OF WESTERN SIBERIA. Fotiadi, E.E. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USSR;HEAT FLOW;DATA;GEOPHYSICAL SURVEYS; GEOMORPHOLOGY

2117 (PB--218830, pp 67) THERMAL FEATURES AT VOLCANOES IN THE CASCADE RANGE, AS OBSERVED BY AERIAL INFRARED SURVEYS. Moxham, R.M. 1970.
Exploration and exploitation of geothermal

resources in arid and semiarid lands.
WASHINGTON;VOLCANIC REGIONS;INFRARED SURVEYS; REMOTE SENSING;IMAGES;VARIATIONS

2118 (PB--218830, pp 46) AEROMAGNETIC MAP AND INTERPRETATION OF THE SALTON SEA GEOTHERMAL AREA, CALIFORNIA. Griscum, A.; Muffler, L.J.P. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
SALTON SEA;MAGNETIC SURVEYS;MAPS;AERIAL PROSPECTING;REMOTE SENSING;GEOTHERMAL FIELDS; CALIFORNIA

2119 (PB--218830, pp 52) HEAT FLOW NEAR MAJOR STRIKE-SLIP FAULTS IN CALIFORNIA. Henyey, T.L.; Wasserburg, G.J. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
CALIFORNIA;GEOLOGIC FAULTS;HEAT FLOW;DATA

2120 (PB--218830, pp 23) GEOTHERMAL GRADIENT STUDIES IN OREGON. Bowen, R.G. 1972.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
OREGON;BOREHOLES;GEOTHERMAL GRADIENTS; DIAGRAMS;GEOTHERMAL RESOURCES

2121 (PB--231695) GRAVITY DATA FOR 525 STATIONS IN LONG VALLEY AND VICINITY, CALIFORNIA. PRELIMINARY REPORT 1958-70. Oliver, H.W.; Robbins, S.L.; Pakiser, L.C.; Kane, M.F. (Geological Survey, Menlo Park, Calif. (USA)). May 1973. 21p. (USGS-GD--74-011). NTIS $4.25; $1.45 (mf).
CALIFORNIA;GRAVITY SURVEYS;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS

2122 (PD--218830, pp 91) GRAVIMETRIC SETTLING OF THE GEOTHERMAL ZONE OF BAJA CALIFORNIA, MEXICO. Velasco Hernandez, J.; Martinez Bermudez, J.J. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
MEXICO;GEOTHERMAL RESOURCES;GRAVITY SURVEYS; GEOTHERMAL FIELDS

2123 (SAND--74-0413) PENETROMETER MOUNTED RADIOMETER FOR RAPID IN-SITU MEASUREMENT OF MAGMA TEMPERATURE. Stephens, H.P. (Sandia Labs., Albuquerque, N.Mex. (USA)). Jan 1975. Contract AT(29-1)-789. 15p. Dep. NTIS $4.00.
RADIOMETERS;TEMPERATURE MEASUREMENT;MAGMA; SUBTERRENE PENETRATORS;AMPLIFIERS;PHOTODIODES; THERMAL RADIATION;DESIGN;FABRICATION

2124 (SAND--75-0608) REPORT OF THE GEOPHYSICAL MEASUREMENTS IN GEOTHERMAL WELLS WORKSHOP, AIRPORT MARINA HOTEL, ALBUQUERQUE, NEW MEXICO, SEPTEMBER 17--19, 1975. Baker, L.E.; Baker, R.P.; Hughen, R.L. (Sandia Labs., Albuquerque, N.Mex. (USA)). Dec 1975. Contract AT(29-1)-789. 68p. Dep. NTIS $4.50.
GEOTHERMAL WELLS;GEOPHYSICAL SURVEYS; MEETINGS;WELL LOGGING;GEOTHERMAL RESOURCES;HIGH TEMPERATURE;EQUIPMENT;MATERIALS;ELECTRONIC EQUIPMENT;INFORMATION SYSTEMS;DATA COMPILATION

2125 (SLA--74-194) EXPERIMENTAL RESISTIVITY ELECTRODE EMPLACEMENT FOR THE HAWAII GEOTHERMAL PROJECT. Brandvold, G.E. (Sandia Labs., Albuquerque, N.Mex. (USA)). Apr 1974. Contract AT(29-1)-789. 8p. Dep. NTIS $4.00.
GEOTHERMAL EXPLORATION;HAWAII;VISCOSITY; TEMPERATURE MEASUREMENT;GEOLOGIC DEPOSITS; ENERGY SOURCES;MAGNETIC PROBES;ELECTRODES; DESIGN;ELECTRIC CONDUCTIVITY;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS

2126 (TT--72-56033) APPLICATION OF GEOPHYSICAL METHODS IN THE INVESTIGATION OF MINERAL AND THERMAL WATERS. Milonovic, B. (Institute for Geological and Geophysical Research, Belgrade, Yugoslavia). 1973. 8p. NTIS $3.00; $2.25 (mf).
THERMAL WATERS;MINERALS;HYDROLOGY;GEOLOGIC STRUCTURES;ELECTRIC CONDUCTIVITY;ELECTRICAL SURVEYS;GEOLOGICAL SURVEYS;BOREHOLES; GEOPHYSICAL SURVEYS;ROCKS

2127 (UCID--16631) METHODICAL APPROACH TO TEMPERATURE AND PRESSURE MEASUREMENTS FOR IN SITU ENERGY-RECOVERY PROCESSES. Cornell, R.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 14 Nov 1974. Contract W-7405-eng-48. 7p. Dep. NTIS $4.00.
ENERGY;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;IN-SITU PROCESSING;RECOVERY; ENVIRONMENTAL EFFECTS;MEASURING INSTRUMENTS; PLANNING;SHALE OIL;GEOTHERMAL ENERGY;COAL GASIFICATION;OIL SHALES;BOREHOLES

2128 ELECTRONIC THERMOMETER WITH A SINGLE CORE CABLE. Razved., Prom. Geofiz.; No. 23, 16-19
TEMPERATURE MEASUREMENT;THERMOMETERS; ELECTRONIC EQUIPMENT;BOREHOLES;DESIGN

2129 UPSHUR COUNTIES. Van Orstrand, C.E. pp 66-103 of Apparatus for the measurement of temperature in deep wells and temperature determinations in some deep wells in Pennsylvania and West Virginia. Barbour; West Virginia Geol. Surv. (1918).
BOREHOLES;TEMPERATURE MEASUREMENT; THERMOMETERS;EARTH CRUST;TEMPERATURE DISTRIBUTION

2130 DEEP-EARTH TEMPERATURES IN THE UNITED STATES. Van Orstrand, C.E. J. Wash. Acad. Sci.; 13: No. 4, 65(1923).
USA;TEMPERATURE MONITORING;TEMPERATURE GRADIENTS;TEMPERATURE MEASUREMENT;THERMOMETERS; PERFORMANCE;ACCURACY;BOREHOLES

2131 APPARATUS FOR THE MEASUREMENT OF TEMPERATURES IN DEEP WELLS BY MEANS OF MAXIMUM THERMOMETERS. Van Orstrand, C.E. Econ. Geol.; 19: No. 3, 228-48(1924).
BOREHOLES;TEMPERATURE MEASUREMENT; THERMOMETERS;ACCURACY;EARTH CRUST

2132 NOTE CONCERNING THE TAKING OF MEASUREMENTS OF TEMPERATURE IN BOREHOLES. Atanasiv, I. Ann. Mines Roumanie; No. 7-12, 219-25(1928). (In French).
BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;THERMOMETERS;DESIGN

2133 MEASURING THE DEPTH OF DEEP WELLS. Van Orstrand, C.E. Oil Gas J.; 26: No. 42, 2p.(1928).
Thermal expansion problems. THERMOMETERS; TEMPERATURE MEASUREMENT;BOREHOLES;DEPTH;THERMAL EXPANSION

2134 MEASUREMENT OF TEMPERATURE IN BOREHOLES. Friedel, G.; Maikowsky, V. Genie Civil; 45:

No. 23, 568-9(1929).
BOREHOLES;TEMPERATURE DISTRIBUTION; TEMPERATURE MEASUREMENT;THERMOMETERS; PERFORMANCE;SPECIFICATIONS

2135 GEOPHYSICAL METHODS OF PROSPECTING, PRINCIPLES, AND RECENT SUCCESSES. Heiland, C.A. Colorado Sch. Mines. Quart.; 24: No. 1, 163p.(1929).
GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; MEASURING METHODS;REVIEWS

2136 GEOPHYSICAL PROSPECTING - GEOTHERMAL METHODS. Wilson, J.H. Colorado Sch. Mines Mag.; 19: No. 8, 13-17(1929).
GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; THERMAL CONDUCTIVITY;GEOLOGY;HYDROLOGY; METEOROLOGY;TEMPERATURE MEASUREMENT;BOREHOLES; DEPTH;REVIEWS

2137 REVIEW OF THE GOEPHYSICAL METHODS OF PROSPECTING. Barton, D.C.; Summers, E.B. Geog. Rev.; 20: No. 2, 288-301(1930).
GEOPHYSICAL SURVEYS;RADIOACTIVITY;REVIEWS

2138 GEOPHYSICAL EXPLORATION OF THE SUBSOIL. Gella, N.; Buggen, J. Bol. Minero; 42: No. 37, 507-52(1930).
GEOLOGY;GEOPHYSICS;GEOPHYSICAL SURVEYS;ORES; GEOLOGIC DEPOSITS;COAL;PETROLEUM;GROUND WATER; GRAVITY SURVEYS;SEISMIC SURVEYS;MAGNETIC SURVEYS;RADIOACTIVITY;ELECTRICAL SURVEYS; MEASURING METHODS

2139 WORK OF THE GEOPHYSICAL INSTITUTE OF THE CENTRAL GEOLOGICAL AND PROSPECTING SERVICE IN USSR IN 1928-29. Lepeshinsky, J.; Chernobrovin, V. Osvedomitelniy Bull. Poleznim Iskopaemin; 3: No. 2-3, vp(1930). (In Russian).
USSR;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS; MAGNETIC SURVEYS;SEISMIC SURVEYS

2140 MEASUREMENT OF TEMPERATURE IN BOREHOLES. Echo Mines, Met.; 58: No. 3029, 384-5(1930).
BOREHOLES;TEMPERATURE MEASUREMENT; THERMOMETERS

2141 ESSENTIAL POINTS IN USE OF GEOPHYSICS. Von Buelow, E.V. Oil Gas J.; 28: No. 33, vp(1930).
GEOPHYSICAL SURVEYS;MEASURING METHODS; GRAVITY SURVEYS;MAGNETIC SURVEYS;ELECTRICAL SURVEYS;SEISMIC SURVEYS;REVIEWS

2142 DEEP BOREHOLE SURVEYS AND PROBLEMS. Haddock, M.H. New York; McGraw-Hill Book Co. (1931). 296p.
GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT; ELECTRICAL SURVEYS;ELECTRIC CONDUCTIVITY; POROSITY;BOREHOLES

2143 SHARE OF GEOPHYSICAL METHODS IN THE COURSE OF OPERATIONS OF GEOPHYSICAL PROSPECTING WORK. Lepeshinsky, J.N. Materials Search Prosp. Minerals; 309-28(1931). (In Russian).
GEOPHYSICAL SURVEYS;PROSPECTING;MEASURING METHODS

2144 GEOPHYSICAL METHODS FOR PROSPECTING THE SUBSOIL. Vigneron, A. La Nature; No. 2867, 341-9(1931).
GEOPHYSICAL SURVEYS;MEASURING METHODS; PROSPECTING

2145 SCIENCE OF GEOPHYSICS. Dunstan, B. Queensl. Gov. Min. J.; 32: No. 370-2, vp(1931).
GEOPHYSICAL SURVEYS;MEASURING METHODS; PROSPECTING

2146 BRIEF SUMMARY OF WORK CARRIED OUT IN 1930 IN SCIENTIFIC RESEARCH DEPARTMENT OF THE GEOLOGICAL AND PROSPECTING SERVICE OF THE GEOPHYSICAL INSTITUTE. Andreev, V.; Chernobrovin, V. Vestnik Geol. Prosp. Serv. USSR; 6: No. 1-2, 43-47(1931). (In Russian).
Electrical thermometer for depths to 750 m; new apparatus for measuring crooked boreholes.
USSR;GEOTHERMAL EXPLORATION;PYROMETERS;DESIGN; BOREHOLES;TEMPERATURE MEASUREMENT;ALIGNMENT; MEASURING INSTRUMENTS;GEOLOGY;GEOPHYSICS

2147 RELATIONSHIP BETWEEN THE GEOTHERMAL DEPTH GRADIENT AND THE HEAT CONDUCTIVITY OF ROCKS. Borger, H. Glueckauf; 67: No. 17, 545-51(1931).
THERMAL CONDUCTIVITY;ROCKS;GEOTHERMAL GRADIENTS;GEOLOGIC DEPOSITS

2148 GEOTHERMIC GRADIENTS. Finlay, J.G. South African Min. Engr. J.; 41: No. 2051, Pt. 2, 509-10(1931).
GEOTHERMAL GRADIENTS;ROCKS;TEMPERATURE MEASUREMENT;LITHOLOGY;GEOLOGIC STRATA;MEASURING METHODS

2149 PRACTICAL TREATISE ON GEOPHYSICAL PROSPECTING. Alexanian, C.L. United States of America (USA); Libr. Polytech. (1932). 268p. (BM-IC--6568).
GEOPHYSICAL SURVEYS;PROSPECTING;MEASURING METHODS;GEOTHERMAL GRADIENTS;GEOLOGIC STRATA; ROCKS

2150 PHYSICAL METHODS OF GEOPHYSICAL PROSPECTING. Fedukovich, V.S. Kharkov; Unknown; Tekh. Vidavnitstvo (1932). 184p. (BM-IC--7310).
GEOPHYSICAL SURVEYS;MAGNETIC SURVEYS;GRAVITY SURVEYS;ELECTRICAL SURVEYS;SEISMIC SURVEYS; RADIATION MONITORING;TEMPERATURE MONITORING; MEASURING METHODS

2151 ELECTRICAL CORING: METHOD OF DETERMINING BOTTOM-HOLE DATA BY ELECTRICAL MEASUREMENTS. Schlumberger, C.; Schlumberger, M.; Leonardon, E.G. AIME Technical Pub. 462. New York; United States of America (USA); AIME (1932). 38p.
GEOLOGY;EXPLORATION;BOREHOLES;MEASURING METHODS;ROCKS;ELECTRIC CONDUCTIVITY;POROSITY; TEMPERATURE MEASUREMENT;ALIGNMENT;MEASURING INSTRUMENTS

2152 GEOTHERMAL MEASUREMENTS IN THE BOREHOLES OF THE DONETZ BASIN. Kraskovsky, S.A. Beitr. Angew. Geophys.; 3: No. 1, 9-28(1933). (In German with English summary).
USSR;BOREHOLES;TEMPERATURE MEASUREMENT; GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS

2153 GEOTHERMAL MEASUREMENTS. Kraskovsky, S.A. Beitr. Angew. Geophys.; 4: No. 1, 76-87(1933).
USSR. USSR;BOREHOLES;TEMPERATURE GRADIENTS; GEOTHERMAL GRADIENTS

2154 GEOPHYSICAL PROSPECTING AND ITS RECENT PROGRESS. Koulomzine, Th. Tech. Mod.; 25: No. 24, 793-800(1933).
GEOPHYSICAL SURVEYS;PROSPECTING;SEISMIC SURVEYS;ELECTRICAL SURVEYS;ELECTROMAGNETIC SURVEYS;MEASURING METHODS

2155 SOME POSSIBLE APPLICATIONS OF GEOTHERMICS TO GEOLOGY. Van Orstrand, C.E. Am. Assoc. Pet. Geol. Bull.; 18: No. 1, 13(1933).
GEOLOGIC FAULTS;GEOPHYSICAL SURVEYS; TEMPERATURE MEASUREMENT;RADIOACTIVITY;THERMAL CONDUCTIVITY;HOT-DRY-ROCK SYSTEMS;HEAT TRANSFER; GEOLOGIC STRATA

2156 GEOPHYSICAL METHODS OF PROSPECTING. Sanchez, P.C. Acad. Nac. Cien., 'Antonio Alzate'; 53: No. 4, 101-33(1934).
GEOPHYSICAL SURVEYS;PROSPECTING;MEASURING METHODS

2157 PROGRESS AND THE DEVELOPMENT OF APPLICATION OF GEOPHYSICAL METHODS IN RUMANIA. Ghitulescu, T.P. Ann. Mines Roumanie; 18: No. 2, 59-69(1935).
GEOPHYSICAL SURVEYS;PROSPECTING;ROMANIA; MEASURING METHODS

2158 GEOTHERMAL METHOD FOR PROSPECTING THE SUBSOIL. Genie Civil; 106: No. 23, 507(1935).
GEOPHYSICAL SURVEYS;PROSPECTING;SOILS;EARTH CRUST;MEASURING METHODS

2159 BORE-HOLE INVESTIGATIONS IN YELLOWSTONE PARK. Fenner, C.N. J. Geol.; 44: No. 2, Pt. 2, 225-315(1936).
YELLOWSTONE NATIONAL PARK;GEOTHERMAL EXPLORATION;BOREHOLES;DRILL CORES;HYDROTHERMAL SYSTEMS;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;ROCKS;POROSITY;HYDROTHERMAL ALTERATION;MINERALS;CHEMICAL COMPOSITION; THERMAL WATERS;GEYSERS;METEORIC WATER;MAGMATIC WATER

2160 ELECTRICAL CORING PRACTICES ON THE GULF COAST. Storm, L.W. Oil Gas J.; 35: No. 48, 145-52(1937).
GULF OF MEXICO;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS

2161 WONDERFUL WAIRAKEI, WHERE THERMAL MAJESTY RULES, OR WAIRAKEI THE UNIQUE, WONDERLAND OF THERMAL GRANDEUR. Wairakei; New Zealand; Quckland Wairakei, Ltd. (1938). 40p.
WAIRAKEI GEOTHERMAL FIELD;TEMPERATURE MEASUREMENT

2162 APPLIED GEOPHYSICS. Reich, H. Geol. Jahrb., Reihe C; 1: 305-14(1938).
GEOPHYSICAL SURVEYS;PROSPECTING;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT;GRAVITY SURVEYS;MAGNETIC SURVEYS;REVIEWS;ELECTRICAL SURVEYS;SEISMIC SURVEYS

2163 TEMPERATURE MEASUREMENTS WITH AN ELECTRICAL RESISTANCE THERMOMETER IN A DEEP BOREHOLE ON THE EAST RAND. Weiss, O. J. Chem., Met., Min. Soc. S. Afr.; 39: No. 6, 149-66(1938).
BOREHOLES;TEMPERATURE MEASUREMENT; TEMPERATURE GRADIENTS;THERMOMETERS;PERFORMANCE; COST;WITWATERSRAND;ELECTRIC CONDUCTIVITY;HEAT FLOW;MEASURING INSTRUMENTS;GEOTHERMAL GRADIENTS; SOUTH AFRICA

2164 DOWNWARD INCREASE OF TEMPERATURE IN THE ROCKS OF THE CRUST. Dahlblom, Th. Z. Geophys.; 14: No. 5-6, 131-41(1938).
EARTH CRUST;GEOLOGY;GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS;CALIFORNIA;ROCKS

2165 GEOPHYSICAL EXPLORATION. Kelly, S.F. Min. Met. (New York); 20: No. 385, 61-5(1939).
GEOPHYSICAL SURVEYS;PROSPECTING;REVIEWS

2166 GEOTHERMAL GRADIENTS IN CALIFORNIA WELLS. French, R.W. World Petrol.; 10: No. 7, 46-7(1939).
CALIFORNIA;GEOTHERMAL GRADIENTS;ROCKS; THERMAL CONDUCTIVITY;BOREHOLES;GEOPHYSICAL SURVEYS;GEOLOGIC FAULTS;HYDROLOGY;WELL DRILLING; EQUIPMENT;WELL CASINGS

2167 GEOTHERMAL GRADIENTS IN CALIFORNIA WELLS. French, R.W. Oil Gas J.; 37: No. 40, 43-4(1939).
CALIFORNIA;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS

2168 EXPERIENCE WITH A NEW GEOTHERMAL METHOD OF PROSPECTING. Paul, M. Z. Geophys.; 15: No. 1/2, 88-93(1939).
PYRITES;GEOLOGIC DEPOSITS;PROSPECTING; TEMPERATURE MEASUREMENT;GEOPHYSICAL SURVEYS; MEASURING METHODS

2169 PROBING INSTRUMENT FOR THE INVESTIGATION OF HEAT CONDUCTIVITY IN THE GROUND. Courtener, A.; Chudnovskii, A. Zh. Tekh. Fiz.; 9: 1430-2(1939).
GEOLOGIC DEPOSITS;SOILS;ROCKS;THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS;DESIGN; OPERATION;GEOPHYSICAL SURVEYS

2170 GEOPHYSICAL EXPLORATION. Blau, L.W. Min. Met. (New York); 22: No. 410, 78-81(1941).
GEOPHYSICAL SURVEYS;PROSPECTING;MEASURING METHODS

2171 APPARATUS FOR GEOTHERMAL MEASUREMENTS IN BOREHOLES. Kraskovsky, S.A. Tr. Akad. Nauk SSSR Kom. Geoterm., Vypusk; 1: 45-9(1941). (In Russian).
Mercury thermometer. BOREHOLES;TEMPERATURE MEASUREMENT;THERMOMETERS;DESIGN;OPERATION;USSR; GEOPHYSICAL SURVEYS

2172 GEOTHERMAL GRADIENT AT GRASS VALLEY, CALIFORNIA. Spicer, H.C. J. Wash. Acad. Sci.; 31: 495-501(1941).
CALIFORNIA;GEOTHERMAL GRADIENTS;MINES;HEAT FLOW

2173 TEMPERATURE BOMB. Briggs, F. Oil Weekly; 110: No. 4, 15-17(1943).
Design and performance of fluid-expansion type well thermometers. THERMOMETERS;DESIGN; OPERATION;PERFORMANCE;SENSITIVITY;BOREHOLES; TEMPERATURE MEASUREMENT;ELECTRIC CONDUCTIVITY

2174 TEMPERATURE MEASUREMENTS IN A MINE ON THE WITWATERSRAND WITH AN ELECTRICAL RESISTANCE THERMOMETER. Weiss, O. J. Chem., Met., Min. Soc. S. Afr.; 45: No. 7-8, 127-41(1945). (BM-IC--7400).

SOUTH AFRICA;MINES;GEOPHYSICAL SURVEYS; BOREHOLES;TEMPERATURE MEASUREMENT;THERMOMETERS; PERFORMANCE;GEOTHERMAL GRADIENTS;MEASURING METHODS

2175 PRELIMINARY RESULTS AT STEAMBOAT SPRINGS, WASHOE COUNTY, NEVADA. White, D.E.; Fix, P.F.; Gianella, V.P.; Brannock, W.W. Geol. Soc. Am., Bull.; 57: No. 12, Pt. 2, 1258-1259(1946).
NEVADA;STEAMBOAT SPRINGS;GEOLOGICAL SURVEYS; GEOLOGIC FAULTS;GEOTHERMAL GRADIENTS;THERMAL WATERS;SALINITY;ROCKS;CHEMICAL COMPOSITION; GEOCHEMISTRY;HYDROTHERMAL ALTERATION;GASES; CARBON DIOXIDE;HYDROGEN SULFIDES;OXYGEN; HYDROGEN;ARGON;SULFIDES;MINERALS;GEOLOGIC DEPOSITS

2176 TEMPERATURE AND HEAT FLOW IN A WELL NEAR COLORADO SPRINGS. Birch, F.S. Am. J. Sci.; 245: No. 12, 733-53(1947).
COLORADO;BOREHOLES;TEMPERATURE DISTRIBUTION; TEMPERATURE GRADIENTS;ROCKS;THERMAL CONDUCTIVITY;HEAT FLOW

2177 REPORT ON THE NATURE OF SUBTERRANEAN HEAT EXAMINED AT BEPPU. Kondo, N. J. Geog.; 58: No. 4-5, 150-6(1949). (In Japanese with English summary).
HOT SPRINGS;JAPAN;BOREHOLES;TEMPERATURE DISTRIBUTION;WATER VAPOR;HYDROGEN SULFIDES; CARBON DIOXIDE;CHEMICAL COMPOSITION;THERMAL WATERS;TEMPERATURE MEASUREMENT

2178 GEOPHYSICS IN THE EXPLORATION, EXPLOITATION, AND CONSERVATION OF WATER. Kelly, S.F. Mines Mag.; 39: No. 11, 13-21(1949).
Palestine. HYDROLOGY;WATER RESOURCES; GEOPHYSICAL SURVEYS;EXPLORATION;GEOLOGIC DEPOSITS;AQUIFERS;POROSITY;ELECTRICAL SURVEYS; SEISMIC SURVEYS;RADIOACTIVITY;BOREHOLES;FLOW RATE;TEMPERATURE MEASUREMENT;ASIA;SPAIN;PERU; SOUTH AFRICA;UGANDA

2179 METHODS OF GEOPHYSICAL PROSPECTING OF THE WATER SUPPLY SERVICE IN VOLCANIC AREAS. Godard, L. Tech. Sanit. Municipale; 47: No. 1, 4-9(1952).
VOLCANIC REGIONS;GEOPHYSICAL SURVEYS;WATER RESOURCES;PROSPECTING

2180 THREE-DIMENSIONAL PICTURE OF STEAMBOAT SPRINGS, NEVADA. White, D.E. Geol. Soc. Am., Bull.; 63, Pt. 2: No. 12, 1311-1312(1952).
NEVADA;STEAMBOAT SPRINGS;GEOLOGICAL SURVEYS; HYDROLOGY;GEOLOGY;GEOLOGIC FAULTS;BOREHOLES; TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS; THERMAL WATERS;METEORIC WATER;FLOW RATE; TEMPERATURE DEPENDENCE;MIXING;MINERALS;GEOLOGIC DEPOSITS;ROCKS;HYDROTHERMAL ALTERATION

2181 THERMAL ANOMALIES AT PECHELBRONN. Claude, G. Acad. Sci. -Compt. Rend.; 234: No. 4, 458-60(21 Jan 1952).
GEOTHERMAL GRADIENTS;GEOLOGIC STRATA;THERMAL WATERS;FRANCE

2182 THERMAL AND GRAVIMETRIC ANOMALIES AT PECHELBRONN. Claude, G. Acad. Sci. -Compt. Rend.; 234: No. 11, 2097-8(19 May 1952).
FRANCE;GEOTHERMAL GRADIENTS;GRAVITY SURVEYS

2183 MAXIMUM- AND MINIMUM-THERMOMETER FOR USE AT GREAT DEPTH. Czyzowski, J. Nafta, Rok; 9: No. 5, 119-121(1953).
BOREHOLES;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS;THERMOMETERS;DESIGN

2184 APPLICATION OF ELECTRICAL PROSPECTING IN TECTONIC RESEARCH OF NATURAL STEAM AT LARDERELLO. Mazzoni, A.; Breusse, J.J. pp 161-8 of 19th International Geological Congress, Algiers, 1952, Compt. Rend., Sec. 15, Pt. 17. Algiers; International Geol. Cong. (1954). (In Italian)
From 19. International Geological Congress; Algiers (1952).
ITALY;LARDERELLO GEOTHERMAL FIELD;ELECTRICAL SURVEYS;GEOTHERMAL EXPLORATION;GEOLOGY;GEOLOGIC FAULTS;GEOLOGIC FISSURES;SEDIMENTARY DEPOSITS; NATURAL STEAM;ELECTRIC CONDUCTIVITY;SANDSTONES; LIMESTONE

2185 REVIEW OF RESEARCH ON 'ENDOGENOUS POWER' IN DIFFERENT REGIONS OF THE WORLD DURING THE LAST 30 YEARS. Sappa, M. Ann. Geofis. (Rome); 7: No. 3, 451-62(1954).
GEOPHYSICAL SURVEYS;HOT SPRINGS;GEOTHERMAL EXPLORATION;REVIEWS

2186 TERRESTRIAL HEAT BALANCE IN ICELAND. Bodvarsson, G. Verk. Islands Timarit; Arg. 39: No. 6, 69-76(1954).
Thermal gradient 0.1°C/m, heat flow 4-5 μcal/cm² sec. ICELAND;BOREHOLES;TEMPERATURE GRADIENTS;HEAT FLOW;VOLCANIC REGIONS

2187 GEOTHERMAL MEASURING CIRCUIT. Swartz, J.H. Science; 120: No. 3119, 573-4(1954).
ALASKA;GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS;ELECTRIC MEASURING INSTRUMENTS; THERMISTORS;TEMPERATURE DISTRIBUTION;BOREHOLES; ERRORS;ACCURACY;TEMPERATURE MEASUREMENT; ELECTRICAL EQUIPMENT

2188 PRESENT STATE OF GEOTHERMAL INVESTIGATIONS. Birch, F. Geophysics; 19: No. 4, 645-59(Oct 1954).
GEOTHERMAL GRADIENTS;TEMPERATURE GRADIENTS; EARTH CRUST;MEASURING METHODS;HEAT FLOW

2189 RESISTANCE THERMOMETER WITH THE SINGLE-CORE CABLE. Vasil'yev, Yu.F. Prikl. Geofiz.; 13: 116-30(1955).
THERMOMETERS;TEMPERATURE MEASUREMENT; ELECTRONIC EQUIPMENT;ELECTRIC CONDUCTIVITY; ACCURACY;ELECTRIC POTENTIAL;DESIGN;ELECTRIC CABLES

2190 GEOPHYSICAL AND GEOCHEMICAL SURVEYS IN OTAKE AND NOYA DISTRICTS OF THE KUJU VOLCANO, OITA PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 561-78(1955). (In Japanese with English summary).
JAPAN;GEOTHERMAL EXPLORATION;VOLCANIC REGIONS;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS; OTAKE GEOTHERMAL FIELD

2191 AEROMAGNETIC SURVEYS IN NEW ZEALAND, 1949-1952. Gerrard, V.B.; Lawrie, J.A. (New Zealand Dept. Sci. Indust. Res., Geophys. Mem.). N.Z. J. Sci. Tech., Sec. B; 38: No. 8, 912-13(1955).
NEW ZEALAND;GEOTHERMAL FIELDS;MAGNETIC SURVEYS;AERIAL MONITORING

2192 FIELD INSTRUMENT FOR MEASURING TEMPERATURES OF NATURAL BOILING POINTS.

Garvitch, Z.S. J. Sci. Instrum.; 32: No. 7, 261-3(1955).
NEW ZEALAND;THERMAL WATERS;TEMPERATURE MEASUREMENT;THERMOMETERS;ELECTRIC CONDUCTIVITY; DESIGN

2193 IS $^{18}O/^{16}O$ RATIO IN CARBONATE ROCKS AN ACCURATE GEOLOGIC THERMOMETER. BRIEF REVIEW OF RUSSIAN LITERATURE. Chilingar, G.V. Am. Assoc. Pet. Geol. Bull.; 39: No. 11, 2349-50(1955).
GEOTHERMOMETERS;ROCKS;CARBONATES;OXYGEN 18; OXYGEN 16;ISOTOPE RATIO;ACCURACY;OXYGEN ISOTOPES;GEOTHERMOMETRY

2194 TERRESTRIAL HEAT FLOW IN HUNGARY. Boldizsar, T. Pure Appl. Geophys.; 34: 66-70(1956).
HUNGARY;HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT;GEOLOGIC DEPOSITS;COAL;THERMAL CONDUCTIVITY

2195 GEOTHERMAL SURVEY AT YUBA IN OOSHIMA ISLAND, IZU. Uyeda, S. Tokyo Daigaku Jishin Kenkyusho Iho; 34, Pt. 4: 365-71(1956). (In Japanese with English abstract).
JAPAN;NATURAL STEAM;TEMPERATURE MEASUREMENT; HEAT FLOW;THERMISTORS;GEOPHYSICAL SURVEYS

2196 GEOTHERMAL SURVEY OF HOT GROUND NEAR LORDSBURG, NEW MEXICO. Kintzinger, P.R. Science; 124: No. 3223, 629-30(1956).
NEW MEXICO;BOREHOLES;NATURAL STEAM;THERMAL WATERS;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT;THERMOMETERS;GEOLOGIC FAULTS; GEOLOGY;GEOPHYSICAL SURVEYS

2197 AXIAL-FLOW ERROR IN THE THERMAL CONDUCTIVITY PROBE. Blackwell, J.H. Can. J. Phys.; 34: No. 4, 412-17(1956).
THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS; ERRORS

2198 STABILITY OF THERMISTORS. Beck, A. J. Sci. Instrum.; 33: No. 1, 16-18(1956).
THERMISTORS;PERFORMANCE;STABILITY; TEMPERATURE MEASUREMENT

2199 SUBSURFACE GEOPHYSICAL METHODS IN GROUND-WATER HYDROLOGY. Jones, P.H.; Skibitzke, H.E. Adv. Geophys.; 3: 241-300(1956).
GROUND WATER;HYDROLOGY;WELL LOGGING; BOREHOLES;REVIEWS;GEOPHYSICAL SURVEYS

2200 TRI-POTENTIAL METHOD OF RESISTIVITY PROSPECTING. Carpenter, E.W.; Habberjam, G.M. Geophysics; 21: No. 2, 455-69(Apr 1956).
ELECTRICAL SURVEYS;ELECTRODES;CONFIGURATION; MEASURING INSTRUMENTS;MEASURING METHODS;ERRORS; ELECTRIC CONDUCTIVITY;PROSPECTING

2201 DESIGN PRINCIPLES FOR SEISMIC REFLECTION AMPLIFIERS. Hermont, A.J. Geophys. Prosp.; 4: No. 3, 279-93(Sep 1956).
SEISMIC SURVEYS;REFLECTION;EQUIPMENT;DESIGN; SENSITIVITY;NOISE;ELECTRIC POTENTIAL;AMPLIFIERS

2202 PRACTICAL GEOTHERMAL INVESTIGATIONS IN HUNGARY. Stegena, L. Univ. Sci. Budapest. Eotvos Ann., Sec. Geol.; 1: 79-87(1957).
HUNGARY;THERMAL WATERS;TEMPERATURE MEASUREMENT;OXIDATION;SULFIDES

2203 IMPROVED ELECTRIC THERMOMETER FOR DEEP MEASUREMENTS. Malyuga, V.P. Raz. Prom. Geofiz.; No. 17, 93-7(1957).
THERMOMETERS;DESIGN;OPERATION;RELIABILITY; ERRORS;BOREHOLES;ELECTRICAL EQUIPMENT; TEMPERATURE MEASUREMENT;PERFORMANCE

2204 PHYSICS OF THE NEW ZEALAND THERMAL AREA (N.Z. DEPT. SCI. INDUST. RES., BULL. 123). Banwell, C.J.; Cooper. E.R.; Thompson, G.E.K.; McCree, K.J. N. Z. J. Geol. Geophys.; 3: No. 1, 110(1957).
NEW ZEALAND;GEOTHERMAL FIELDS;TEMPERATURE DISTRIBUTION;HEAT FLOW;ENTHALPY;THERMODYNAMICS; GEOPHYSICAL SURVEYS

2205 SURFACE GEOTHERMAL EXPLORATION IN THE KURSUMLISKA BANJA AREA. Mladenovic, M.M. Zavod Geol., Geofiz. Ist. Vestnik.; 14: 385-9(1957). (English summary).
YUGOSLAVIA;GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS;HOT SPRINGS;GEOLOGIC FAULTS

2206 RADIOACTIVITY LOGGING IN GEOTHERMAL BORES. Fergusson, G.J.; Gibbons, K.M. N.Z. Dept. Sci. Indust. Res., Phys. Lab. Report., N.R. 275. Wellington, N.Z.; New Zealand; New Zealand Dept. Sci. Indust. Res. (1957). 11p.
WAIRAKEI GEOTHERMAL FIELD;BOREHOLES; RADIATION MONITORING;GAMMA DETECTION;NATURAL RADIOACTIVITY;WELL LOGGING;RADIATION DETECTORS; DESIGN;OPERATION;BETA SOURCES;PERFORMANCE

2207 GEOTHERMAL EFFECTS OF THE PLEISTOCENE GLACIATION IN ICELAND. Bodvarsson, G. Joekull (Reykjavik); 7: 1-20(1957).
ICELAND;HEAT FLOW;HOT SPRINGS;THERMAL WATERS; GLACIERS

2208 USE OF NEAR SURFACE TEMPERATURE MEASUREMENTS FOR DISCOVERING ANOMALIES DUE TO CAUSES AT DEPTHS. Kappelmeyer, O. Geophys. Prosp.; 5: No. 3, 239-58(Sep 1957).
GEOTHERMAL EXPLORATION;TEMPERATURE MEASUREMENT;HEAT FLOW;NATURAL STEAM;GEOPHYSICAL SURVEYS

2209 NATURAL HEAT FLOW FROM THE THERMAL AREAS OF TAUPO SHEET DISTRICT (N94). Gregg, D.R. N. Z. J. Geol. Geophys.; 1: No. 1, 65-75(1958).
NEW ZEALAND;GEOTHERMAL FIELDS;HEAT FLOW;MASS TRANSFER;FLUID FLOW;THERMAL WATERS

2210 NEW TERRESTRIAL HEAT FLOW VALUES FROM HUNGARY. Boldizsar, T. Geofis. Pura Appl.; 29: 120-5(1958).
HUNGARY;TEMPERATURE GRADIENTS;THERMAL CONDUCTIVITY;GEOLOGIC DEPOSITS;HEAT FLOW; GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT; BOREHOLES;GEOPHYSICAL SURVEYS

2211 RESULTS OF TERRESTRIAL HEAT FLOW MEASUREMENTS IN HUNGARY. Boldizsar, T. Freiberger Forchungsch., Geophys.; C45: 95-9(1958).
HUNGARY;EARTH CRUST;MEDIUM TEMPERATURE; TEMPERATURE DISTRIBUTION;BOREHOLES;TEMPERATURE GRADIENTS;HEAT FLOW;GEOPHYSICAL SURVEYS

2212 GEOTHERMAL MEASUREMENTS IN PETROLEUM GEOLOGY. Dyakonov, D.I. USSR; Union of Soviet Socialist Republics (USSR); Gostoptekh. (1958). 277p.
Book. USSR;GEOPHYSICAL SURVEYS;ROCKS;THERMAL

CONDUCTIVITY;BOREHOLES;GEOTHERMAL GRADIENTS; TEMPERATURE MEASUREMENT;HEAT FLOW;LITHOLOGY; PETROLEUM;PROSPECTING;MEASURING METHODS

2213 RESULTS OF ELECTRICAL PROSPECTING AND WELL-BORING AT THE OSHUKU HOT SPRINGS IN IWATE PREFECTURE. Kondo, C. J. Geog.; 67: No. 4, 19-26(1958).
JAPAN;GEOTHERMAL FIELDS;ELECTRICAL SURVEYS; WELL DRILLING;TEMPERATURE DISTRIBUTION;HOT SPRINGS

2214 GEOPHYSICAL RECONNAISSANCE AT KAWERAU, NEW ZEALAND. Studt, F.E. N. Z. J. Geol. Geophys.; 1: No. 2, 219-46(1958).
KAWERAU GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS; HYDROLOGY;THERMAL WATERS;CHEMICAL COMPOSITION; ELECTRICAL SURVEYS;HEAT FLOW;SEISMIC SURVEYS; GEOLOGY;GEOTHERMAL ENERGY;EXPLOITATION;INDUSTRY

2215 CYLINDRICAL PROBE METHOD OF MEASURING THERMAL CONDUCTIVITY WITH SPECIAL REFERENCE TO SOILS, 1, EXTENSION OF THEORY AND DISCUSSION OF PROBE CHARACTERISTICS. De Vries, D.A.; Peck, A.J. Aust. J. Phys.; 11: No. 2, 255-71(1958).
SOILS;THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS;MEASURING METHODS;THERMAL DIFFUSIVITY;ACCURACY;GEOPHYSICAL SURVEYS; ELECTRIC CONDUCTIVITY

2216 GEOTHERMAL RELATIONSHIPS OF THE GREAT HUNGARIAN PLAIN. Stegena, L. Geofiz. Kozl.; 7: No. 3-4, 229-38(1958).
HUNGARY;HEAT FLOW;GEOTHERMAL GRADIENTS; ARTESIAN BASINS;THERMAL CONDUCTION;GEOPHYSICAL SURVEYS

2217 GEOTHERMIC INVESTIGATIONS IN THE HUNGARIAN PLAIN. Boldizsar, T. Acad. Sci. Hung. Acta Geol.; 5: No. 2, 245-54(1958).
HUNGARY;GEOTHERMAL EXPLORATION;TEMPERATURE GRADIENTS;BOREHOLES;HEAT;HEAT FLOW

2218 GEOPHYSICAL METHODS OF ENGINEERING AND RAW MATERIAL PROSPECTING. Svoboda, K. Czechoslovakia; Slovinsk. Tech. Lit. (1958). 430p.
GEOPHYSICS;PROSPECTING;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;GRAVITY SURVEYS;SEISMIC SURVEYS;RADIATION MONITORING;ELECTRICAL SURVEYS; MANUALS;BIBLIOGRAPHIES;MINERALS;ROCKS;PHYSICAL PROPERTIES

2219 INVESTIGATION OF THE RECORDED BOTTOM HOLE TEMPERATURES WHILE RUNNING LOGS. Vladicka, L. Canadian Oil, Gas Indust.; 11: No. 3, 52-5(1958).
BOREHOLES;TEMPERATURE MEASUREMENT; TEMPERATURE DISTRIBUTION;WELL LOGGING; TEMPERATURE DEPENDENCE

2220 MEASUREMENT OF GEOTHERMAL GRADIENTS IN BOREHOLES. Mullins, R.; Hinsley, F.B. Min. Eng. (London); 117, Pt. 6: 379-93(1958).
BOREHOLES;GEOTHERMAL GRADIENTS;WELL DRILLING; COOLING;HEAT TRANSFER;TEMPERATURE MEASUREMENT; GEOLOGIC DEPOSITS;MEASURING METHODS;TIME DEPENDENCE;THERMOMETERS

2221 EXAMPLE OF PROSPECTING FOR GEOTHERMAL ENERGY: LARDELLO (TOSCANA). Breusse, J.J. Rev. Inst. Fr. Pet. Ann. Combust. Liquides; 13: No. 2, 149-58(Feb 1958).
LARDERELLO GEOTHERMAL FIELD;ELECTRICAL SURVEYS;GEOLOGIC FAULTS;TEMPERATURE DISTRIBUTION;ITALY;GEOTHERMAL EXPLORATION

2222 PRELIMINARY EXPERIMENTS OF GEOTHERMAL PROSPECTING METHOD. Nomura, S.; Makino, N. Nippon Kogyo Kaishi; 74: No. 839, 271-6(May 1958).
GEOTHERMAL EXPLORATION;TEMPERATURE DISTRIBUTION;TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS;JAPAN;GEOPHYSICAL SURVEYS;THERMISTORS

2223 CALORIMETRY OF STEAMING GROUND IN THERMAL AREAS. Benseman, R.F. J. Geophys. Res.; 64: No. 1, 123-6(1959).
CALORIMETERS;GEOTHERMAL FIELDS;HEAT FLOW; SOILS;CALORIMETRY;NATURAL STEAM;HYDROTHERMAL SYSTEMS;TEMPERATURE MEASUREMENT

2224 GEOTHERMAL INVESTIGATIONS IN SIBERIA. Cheremenskiy, G.A. Akad. Nauk SSSR, Inst. Merzlotovedeniya Trudy; 15: 132-43(1959).
Geothermal gradients. USSR;GEOPHYSICAL SURVEYS;BOREHOLES;TEMPERATURE GRADIENTS; GEOTHERMAL GRADIENTS;EARTH CRUST

2225 GEOPHYSICAL HEAT FLOW MEASUREMENTS (PRINCIPLES AND RESULTS). Schossler, K.; Schwarzlose, J. Freiberger Forschung., Geophys., C 75. German, Federal Republic of (F.R. Germany); Freiberger Forschungsh., Geophys. (1959). 120p.
EARTH CRUST;HEAT FLOW;MEASURING METHODS; GEOPHYSICS;TEMPERATURE DISTRIBUTION;GEOTHERMAL GRADIENTS;THERMAL CONDUCTIVITY;EUROPE; RADIOACTIVITY;GEOLOGY;MATHEMATICAL MODELS;DATA; CONVECTION

2226 MAGNETIC SURVEY OF THE WAIRAKEI HYDROTHERMAL FIELD. Studt, F.E. N. Z. J. Geol. Geophys.; 2: No. 4, 746-54(1959).
WAIRAKEI GEOTHERMAL FIELD;MAGNETIC SURVEYS; AQUIFERS;ROCKS;HYDROTHERMAL ALTERATION;HYDROGEN SULFIDES;PYRITES;HOT SPRINGS;BOREHOLES;IRON ORES

2227 COMPUTATION OF TERRESTRIAL HEAT FLOW IN A WELL NEAR COLORADO SPRINGS. Boldizsar, T. Nehezipari Muszaki Egyetem Sopron, Banyamernoki Foldmeromernoki Karok, Kozlemenyei; 20: 21-6(1959).
ROCKS;THERMAL CONDUCTIVITY;TEMPERATURE MEASUREMENT;COLORADO;BOREHOLES;HEAT FLOW; GEOPHYSICAL SURVEYS

2228 DEVICE FOR DETERMINING HEAT FLOWS. Kolesnikov, A.G; Speranskaya, A.A. Acad. Sci. USSR Bull., Geophys. Ser.; No. 11, 781-5(1959).
HEAT FLOW;MEASURING INSTRUMENTS;ACCURACY; SNOW;ICE;WATER RESERVOIRS;HEAT TRANSFER

2229 AFMAG - AIRBORN AND GROUND. Ward, S.H. Geophysics; 4: 761-89(1959).
USA;HOT SPRINGS;ELECTROMAGNETIC SURVEYS; HYDROTHERMAL SYSTEMS;MEASURING INSTRUMENTS; PERFORMANCE;GEOLOGIC FAULTS

2230 PORTABLE INSTRUMENT FOR DETERMINING SOIL TEMPERATURES AT VARIOUS DEPTHS. Salaruddin, M. Indian J. Meteorol. Geophys.; 10: No. 2, 199-202(1959).
SOILS;TEMPERATURE MEASUREMENT;THERMOCOUPLES; MEASURING INSTRUMENTS;DESIGN;THERMOMETERS; TEMPERATURE GRADIENTS

2231 TEMPERATURE ERRORS INTRODUCED BY TEMPERATURE-MEASURING PROBES. Donaldson, I.G. Br. J. Appl. Phys.; 10: No. 6, 252-5(1959).
NEW ZEALAND;HEAT FLOW;MEASURING INSTRUMENTS; ERRORS;METALS;WOOD;COMPARATIVE EVALUATIONS; TEMPERATURE MEASUREMENT;THERMAL CONDUCTION; PROBES;THERMOCOUPLES;THERMOMETERS;ACCURACY

2232 STUDY AND INTERPRETATION OF THE CHEMICAL CHARACTERISTICS OF NATURAL WATER. Hem, J.D. US Geol. Surv., Water Supply Paper 1473. Washington, DC; United States of America (USA); US Geol. Surv. (1959). 269p.
SURFACE WATERS;GROUND WATER;CHEMICAL COMPOSITION;GEOLOGY;HYDROLOGY

2233 CAN COEXISTING FELDSPARS BE USED AS A GEOLOGIC THERMOMETER. Savolahti, A. Geol.; 11: No. 9, 108(1959).
GEOTHERMOMETRY;FELDSPARS;GEOTHERMOMETERS

2234 INTERPRETATION METHODS FOR GEOPHYSICAL EXPLORATION OF RESERVOIRS. Unz, M. Geophysics; 24: No. 1, 109-41(1959).
WATER RESERVOIRS;GEOPHYSICAL SURVEYS; SALINITY;TEMPERATURE MEASUREMENT;GROUND WATER; MEASURING METHODS

2235 GEOLOGICAL STRUCTURE AND VOLCANISM OF THE TAUPO-TARAWERA DISTRICT. Modriniak, N.; Studt, F.E. N. Z. J. Geol. Geophys.; 2: No. 4, 654-84(1959).
NEW ZEALAND;VOLCANIC REGIONS;GEOLOGY; GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS;GRAVITY SURVEYS;SEISMIC SURVEYS;MAGNETIC SURVEYS; HYDROTHERMAL SYSTEMS;GEOLOGIC FAULTS;VOLCANIC ROCKS

2236 ESTIMATING TOTAL HEAT OUTPUT OF NATURAL THERMAL REGIONS. Benseman, R.F. J. Geophys. Res.; 64: No. 8, 1057-62(Aug 1959).
GEOTHERMAL FIELDS;HEAT FLOW;NATURAL STEAM; MEASURING METHODS

2237 BOREHOLE SURVEYING. Gaskell, T.F.; Threadgold, P. pp 62-103 of Methods and techniques in geophysics, Volume 1. New York; Interscience Publishers, Inc. (1960).
BOREHOLES;WELL LOGGING;ELECTRIC CONDUCTIVITY; GEOLOGIC DEPOSITS;RADIOACTIVITY;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;DRILLING; HYDROLOGY;GROUND WATER;FLUID FLOW;ROCKS; POROSITY

2238 MEASUREMENT OF TEMPERATURE GRADIENT IN THE EARTH. Bullard, E.C. pp 1-9 of Methods and techniques in geophysics, Volume 1. New York; Interscience Publishers, Inc. (1960).
GEOPHYSICS;EARTH CRUST;GEOTHERMAL GRADIENTS; MEASURING METHODS;ERRORS;BOREHOLES;MINES; TUNNELS;MEASURING INSTRUMENTS;TEMPERATURE MEASUREMENT

2239 MEASUREMENTS OF HEAT FLOW OVER LAND. Misener, A.D.; Beck, A.E. pp 10-61 of Methods and techniques in geophysics, Volume 1. New York; Interscience Publishers, Inc. (1960).
GEOPHYSICS;EARTH CRUST;HEAT FLOW;MEASURING METHODS;TEMPERATURE GRADIENTS;THERMAL CONDUCTIVITY;ROCKS;GEOLOGIC DEPOSITS; THERMOMETERS

2240 GEOPHYSICAL INVESTIGATIONS AT MANYEGHI HOT SPRINGS. King, A.J. Tanganyika Geol. Surv. Rec.; 8: 99-104(1960).
TANZANIA;GEOPHYSICAL SURVEYS;HOT SPRINGS; HELIUM

2241 USING NUCLEAR RESONANCE TO SENSE TEMPERATURE. Dean, C. Electronics; 33: No. 28, 52-4(1960).
GEOPHYSICS;BOREHOLES;TEMPERATURE MONITORING; THERMOMETERS;ELECTRONIC EQUIPMENT;OPERATION; PERFORMANCE;NUCLEAR QUADRUPOLE RESONANCE; SPECTROMETERS;MEASURING INSTRUMENTS

2242 GEOELECTRICAL EXPLORATIONS FOR NATURAL STEAM NEAR ''MONTE AMIATA''. Alfano, L.A. Quad. di Geofis. Appl.; 21: 3-17(1960).
MONTE AMIATA GEOTHERMAL FIELD;ELECTRICAL SURVEYS;LIMESTONE;GEOLOGIC FAULTS;NATURAL STEAM; BOREHOLES;GEOLOGY

2243 GEOTHERMAL STEP IN THE OIL-GAS REGIONS OF AZERBAYDZHAN. Tsaturyants, A.B.; Gadzhieva, T.A. Pet. Geol. (USSR) (Engl. Transl.); 4: No. 7-B, 433-436(1960).
USSR;GEOTHERMAL GRADIENTS;TEMPERATURE DISTRIBUTION;EQUATIONS;ACCURACY

2244 THERMAL BEHAVIOR OF MESOZOIC AND CENOZOIC SEDIMENTS IN EASTERN PART OF WEST-SIBERIAN PLAINS. Koshlyak, V.A. Sov. Geol.; 3: No. 5, 97-106(May 1960).
USSR;GEOPHYSICAL SURVEYS;SEDIMENTS;BOREHOLES; TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS; HYDROLOGY;GEOLOGY;WELL LOGGING;THERMAL EQUILIBRIUM

2245 DETERMINATION OF SURFACE HEAT FLOW IN STARAYA MATSESTA. Lyubimova, E.A.; Lyusova, L.N.; Firsov, F.V.; Starikova, G.N.; Shushpanov, A.P. Akademiya Nauk SSSR, Izvestiya Seriya Geofizicheskaya; 24: No. 12, 1806-11(Dec 1960).
USSR;HEAT FLOW;GEOTHERMAL GRADIENTS;THERMAL CONDUCTIVITY;DRILL CORES;GEOPHYSICAL SURVEYS

2246 APPLICATION OF GEOPHYSICS TO THERMAL POWER PROJECTS IN NEW ZEALAND. Grindley, G.W. pp 358 of Proceedings of 9th Congress of Pacific Science Association of Bankok, Thailand, 1957, Volume 12. Bankok, Thailand; Pacific Sci. Assoc. (1961).
From 9. Congress of Pacific Science Association; Bankok, Thailand (1957).
Location of hot springs in New Zealand. NEW ZEALAND;GEOTHERMAL RESOURCES;HOT SPRINGS; GEOTHERMAL EXPLORATION;EARTH CRUST;GEOLOGIC FAULTS;GEOPHYSICAL SURVEYS

2247 GEOELECTRICAL PROSPECTING AT MATSUKAWA GEOTHERMAL FIELD. Ono, Y.; Suyama, J.; Takagi, S. Chishitsu Chosasho Geppo; 12: No. 9, 677-96(1961). (In Japanese with English summary).
MATSUKAWA GEOTHERMAL FIELD;ELECTRICAL SURVEYS;HOT SPRINGS;VOLCANIC REGIONS; HYDROTHERMAL ALTERATION;ROCKS

2248 NEW BOREHOLE THERMOMETER. Doig, R.P.; Saull, V.A.; Butler, R.A. J. Geophys. Res.; 66: No. 12, 4263-4(1961).
BOREHOLES;THERMOMETERS;ELECTRIC CABLES; OSCILLATORS;SURFACES;TEMPERATURE MEASUREMENT; DESIGN

2249 APPLICATION OF SEISMIC METHODS TO GEOTHERMAL ENERGY EXPLORATION. Cassinis, R.

Pure Appl. Geophys.; 21: 28-37(1961). (In Italian with French summary).
GEOTHERMAL FIELDS;SEISMIC SURVEYS;NATURAL STEAM;GEOLOGY;GEOTHERMAL EXPLORATION;ITALY; REFLECTION;REFRACTION;MEASURING METHODS

2250 CONTRIBUTIONS TO GEOTHERMAL PROSPECTING. Mongelli, F.; Morelli, C. Boll. Geofis. Teor. Appl.; 3: No. 12, 294-306(1961).
ITALY;EARTH CRUST;GEOTHERMAL GRADIENTS; SURFACES;TEMPERATURE MEASUREMENT;GEOTHERMAL EXPLORATION

2251 BIBLIOGRAPHY OF TEMPERATURE MEASUREMENT, JANUARY 1953-JUN 1960. Halpern, C.; Moffat, R.J. Washington, DC; United States of America (USA); National Bureau of Standards (1961). 15p.
TEMPERATURE MEASUREMENT;BIBLIOGRAPHIES; MEASURING INSTRUMENTS

2252 TEMPERATURE-MEASUREMENT STUDIES, SOUTH BARROW TEST WELL 1. Brewer, M.C. pp 596 of Core tests and test wells, Barrow area, Alaska (Prof. Paper 305-K). Collins, F.R. Washington, DC; US Geol. Surv. (1961).
GEOTHERMAL GRADIENTS;ALASKA;GEOPHYSICAL SURVEYS;BOREHOLES;TEMPERATURE MEASUREMENT

2253 GEOELECTRICAL EXPLORATIONS FOR NATURAL STEAM NEAR 'MONTE AMIATA'. Alfano, L. Quad. Geofis. Appl.; 21: 3-17(1961). (Italian summary).
MONTE AMIATA GEOTHERMAL FIELD;ELECTRICAL SURVEYS;ITALY;GEOTHERMAL ENERGY;LIMESTONE; SHALES;NATURAL STEAM;GEOLOGIC DEPOSITS

2254 GRAVIMETRIC EXPLORATION FOR NATURAL STEAM IN TUSCANY. Vecchia, O. Quad. Geophys. Appl.; 21: 18-27(1961). (Italian summary).
GRAVIMETRY;LARDERELLO GEOTHERMAL FIELD; GEOMORPHOLOGY;GEOLOGIC FAULTS;NATURAL STEAM; GRAVITY SURVEYS;ITALY

2255 ELECTRICAL PROSPECTING BY THE DIRECT CURRENT METHOD IN IZU-OSHIMA ISLAND. Ono, Y.; Suyama, J.; Takagi, S. Chishitsu Chosasho Geppo; 12: No. 11, 813-30(1961). (In Japanese with English summary).
JAPAN;ELECTRICAL SURVEYS;GEOLOGY;HYDROLOGY; WATER RESOURCES;THERMAL WATERS;GEOTHERMAL RESOURCES;VOLCANIC REGIONS;SEDIMENTS

2256 REGIONAL GRAVITY SURVEY ALONG CENTRAL AND SOUTHERN WASATCH FRONT, UTAH. Cook, K.L.; Berg, J.W., Jr. pp 75-89 of US Geological Survey, Professional Paper 316-E. Washington, DC; US Geol. Surv. (1961).
UTAH;GRAVITY SURVEYS;GEOLOGIC FAULTS

2257 RELATION OF THE HEAT FIELD OF THE WEST SIBERIAN LOWLAND TO THE RELIEF OF THE PRE-JURASSIC BASEMENT. Koshlyak, V.A. Pet. Geol. (USSR) (Engl. Transl.); 5: No. 1, 38-43(1961).
GEOPHYSICAL SURVEYS;USSR;GEOTHERMAL GRADIENTS;BOREHOLES;ROCKS;SEDIMENTS;VARIATIONS

2258 INSTRUMENT NOISE IN SEISMOMETERS. Byrne, C.J. Bull. Seismol. Soc. Am.; 51: No. 1, 69-84(1961).
SEISMOGRAPHS;PERFORMANCE;SEISMIC NOISE; TEMPERATURE NOISE;SEISMIC SURVEYS

2259 PRINCIPLES OF GEOPHYSICAL PROSPECTING BY THE RADIOKIP METHOD. Tarkhov, A.G. Moscow; Union of Soviet Socialist Republics (USSR); Gostoptekhizdat (1961). 214p.
Book: in Russian. ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS;RADIOWAVE RADIATION;REVIEWS; ELECTROMAGNETIC FIELDS;GEOLOGY;PROSPECTING

2260 SEISMIC PROFILES IN NORTHWESTERN UTAH: PILOT RANGE AND GROUSE CREEK RANGE AREA. Berg, J.W., Jr.; Cook, K.L.; Narans, H.D., Jr.; Leamer, R.J. J. Geophys. Res.; 66: No. 4, 1255-63(Apr 1961).
UTAH;SEISMIC SURVEYS;SEDIMENTARY ROCKS; IGNEOUS ROCKS;GEOLOGIC STRATA

2261 GEOTHERMAL GRADIENTS NOW KNOWN IN GREATER DETAIL. Moses, P.L. World Oil; 152: No. 6, 79-82(May 1961).
GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT; MEASURING METHODS;MAPS;TABLES;THERMOMETERS; ACCURACY;DATA COMPILATION

2262 STUDIES OF THERMAL STATE OF EARTH. Uyeda, S.; Tomoda, Y.; Horai, K.; Kanamori, H.; Futi, H. Tokyo Daigaku Jishin Kenkyusho Iho; 39: No. Pt. 2, 115-31(Jun 1961).
GEOTHERMAL GRADIENTS;MEASURING INSTRUMENTS; THERMISTORS;ELECTRIC BRIDGES;ELECTRONIC EQUIPMENT

2263 SMOOTHING OF GRAVITATIONAL ANOMALIES. Afanas'ev, N.L. Izv. Akad. Nauk SSSR, Ser. Geofiz.; 25: No. 7, 944-1003(Jul 1961).
GRAVITY SURVEYS;STATISTICS;DIAGRAMS

2264 MEASUREMENT OF THERMAL FLUX USING HEAT FLOW METERS. Kaganov, M.A.; Rozenshtok, Yu.L. Izv. Akad. Nauk SSSR, Ser. Geofiz.; 25: No. 8, 1174-8(Aug 1961).
HEAT FLOW;MEASURING METHODS;SOILS;SNOW;ICE; THERMOMETERS

2265 PROBLEM OF DETERMINING PRINCIPAL GEOTHERMAL PARAMETERS. D'Yakonov, D.I. Geol. Nefti Gaza; 5: No. 9, 56-60(Sep 1961).
BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;MEASURING METHODS;GEOPHYSICAL SURVEYS

2266 MINIMUM STATISTICAL UNCERTAINTY OF SEISMIC REFRACTION PROFILE. Steinhart, J.S.; Meyer, R.P. Geophysics; 26: No. 5, 574-87(Oct 1961).
SEISMIC SURVEYS;ACCURACY;STATISTICS;SERIES EXPANSION

2267 NEW BOREHOLE THERMOMETER. Doig, R.; Saull, V.A.; Butler, R.A. J. Geophys. Res.; 66: No. 12, 4263-4(Dec 1961).
BOREHOLES;THERMOMETERS;DESIGN;PERFORMANCE; ACCURACY;BRASS;PROBES

2268 THERMISTOR THERMOMETER FOR FIELD STUDIES. Ramanadham, R.; Murty, A.V.S. J. Sci. Ind. Res.; 21D: No. 12, 429-31(1962).
THERMOMETERS;THERMISTORS;DESIGN;CALIBRATION; TEMPERATURE MEASUREMENT

2269 STUDY ON GEOMAGNETIC VARIATION OF TELLURIC ORIGIN, 3, ON GEOMAGNETIC ANOMALY OBSERVED AT SOME HOT SPRING AREAS. Miyakoshi, J. Kyoto Univ. Disaster Prevent. Res. Inst. Bull.; No. 51, 46-60(1962).

JAPAN;HOT SPRINGS;GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS

2270 SEISMIC PROSPECTING AT MATSUKAWA GEOTHERMAL AREA, IWATE PREFECTURE. Hayakawa, M.; Mori, K. Chishitsu Chosasho Geppo; 13: No. 8, 643-8(1962). (In Japanese with English summary).
MATSUKAWA GEOTHERMAL FIELD;SEISMIC SURVEYS; VOLCANIC REGIONS;NATURAL STEAM;LITHOLOGY;LAVA; TUFF;SHALES

2271 PRESENT STATE, PROBLEMS, AND PROSPECTS OF GEOPHYSICAL INVESTIGATIONS IN SIBERIA AND THE FAR EAST. Fotiadi, E.E. Akad. Nauk SSSR, Sibir. Otdel., Geol., Geofiz.; No. 10, 83-92(1962).
USSR;GEOLOGY;EXPLORATION;GEOPHYSICAL SURVEYS; PETROLEUM;NATURAL GAS;PROSPECTING;ORES;GEOLOGIC DEPOSITS;SEISMIC SURVEYS;EARTHQUAKES;MAGNETIC SURVEYS;ELECTRICAL SURVEYS;RADIOACTIVITY; GEOTHERMAL EXPLORATION;ROCKS;PHYSICAL PROPERTIES

2272 METHODS OF ANALYZING BOREHOLE TEMPERATURE SURVEYS (EXEMPLIFIED BY INVESTIGATIONS OF THE GEOTHERMY OF THE ARTEMA ISLAND AND GYURGYANY-MORE FIELDS). Yakubov, A.A.; Kharitonov, M.F.; Matveyer, Ye.I. Izv. Vyssh. Uchebn. Zaved., Neft Gaz; No. 8, 3-9(1962).
USSR;PETROLEUM;NATURAL GAS;PROSPECTING; BOREHOLES;TEMPERATURE GRADIENTS;ROCKS;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS;DEPTH; GEOCHEMISTRY;WELL LOGGING;GEOLOGIC DEPOSITS; MEASURING METHODS

2273 DETERMINATION OF THE PARAMETERS AND DEPTH OF THERMAL UNDERGROUND WATERS. Shtein, M.A. Tr. Nauchno-Issled. Inst., Akad. Nauk SSSR, Sibir. Otdel., Sakhalin. Kompleks.; No. 12, 162-5(1962).
GEOTHERMAL SYSTEMS;THERMAL WATERS; UNDERGROUND;GEOTHERMAL GRADIENTS;DEPTH; MATHEMATICAL MODELS

2274 INCREASING THE SENSITIVITY OF A RESISTANCE THERMOMETER. Tulin, V.A. Tr. Inst. Fiz. Zemli, Akad. Nauk SSSR; No. 24, 36-44(1962).
MEASURING INSTRUMENTS;GRAVIMETRY;SENSITIVITY; TEMPERATURE MEASUREMENT;THERMOMETERS

2275 PROCEEDINGS OF THE FIRST SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, 13-15 FEB 1962. Univ. Michigan; Infrared Phys. Lab., Inst. Sci. Tech. (1962). 110p.
From 1. Symposium on Remote Sensing of Environment; University of Michigan (13-15 Feb 1962).
REMOTE SENSING;REVIEWS;ENVIRONMENT

2276 GEOTHERMAL FIELD OF INTRAFORMATIONAL KAMA-KINEL BASIN. Druzhinin, A.V. Geol. Nefti Gaza; No. 3, 53-5(Mar 1962).
USSR;GEOTHERMAL FIELDS;GEOLOGY;SEDIMENTS; ROCKS;STRATIFICATION;THERMAL CONDUCTIVITY; GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS

2277 GEOPHYSICAL STRUCTURES OF GEOTHERMAL AREA. Hayakawa, M. J. Geog.; 72: No. 2, 72-85(1963). (In Japanese with English abstract).
GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; NATURAL STEAM;VOLCANIC REGIONS;JAPAN;GEOTHERMAL EXPLORATION;MEASURING METHODS

2278 PROBLEM OF THE TREATMENT OF DATA OF THERMAL OBSERVATIONS. Cheremenskiy, G.A. Vyssh. Ucheb. Zaved. Izv., Geol., Raz.; No. 5, 63-7(1963).
ROCKS;GEOTHERMAL GRADIENTS;MAPS;ERRORS; THERMODYNAMIC PROPERTIES;GEOLOGIC DEPOSITS; TEMPERATURE MEASUREMENT;DATA PROCESSING;GEOLOGY; DATA;GEOPHYSICAL SURVEYS;GEOLOGICAL SURVEYS

2279 EXPERIMENTAL DETERMINATION OF THE EXTENT OF INFLUENCE OF GRAVITATIONAL CONVECTION AND WELL CASINGS ON THE NATURAL DISTRIBUTION OF TEMPERATURE IN BOREHOLES. Frolov, N.M. Dokl. Akad. Nauk SSSR; 150: No. 2, 301-4(1963).
BOREHOLES;TEMPERATURE DISTRIBUTION; CONVECTION;HEAT TRANSFER;WELL CASINGS

2280 GEOPHYSICAL APPLICATIONS IN GEOTHERMAL POWER AREAS. Whipple, R.W. Rocky Mtn. Minerals Conf., Salt Lake City, UT; Preprint No. 631324. Soc. Min. Engr. AIME (1963). 22p.
From Rocky Mountain Minerals Conference; Salt Lake City, UT (1963).
GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; REVIEWS;PERFORMANCE;GEOLOGY;MEASURING METHODS; TEMPERATURE MEASUREMENT;ELECTRIC CONDUCTIVITY; MAGNETISM;SEISMOLOGY

2281 UNDERGROUND TEMPERATURE IN HOT SPRING LOCALITIES. Fukutomi, T. Butsuri Tanko; 16: No. 1, 18-20(1963). (In Japanese with English abstract).
HOT SPRINGS;JAPAN;HEAT TRANSFER;GEOLOGIC FAULTS;GEOLOGIC FISSURES;TEMPERATURE DISTRIBUTION;UNDERGROUND;ORIFICES;GEOTHERMAL FIELDS;TEMPERATURE GRADIENTS;THERMAL CONDUCTION; CONVECTION

2282 GEOPHYSICAL STRUCTURE OF GEOTHERMAL AREA. Hayakawa, M. Butsuri Tanko; 16: No. 1, 9-17(1963). (In Japanese with English abstract).
GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; PERMEABILITY;TEMPERATURE DISTRIBUTION;SEISMIC SURVEYS;ELECTRICAL SURVEYS;MATSUKAWA GEOTHERMAL FIELD;PRESSURE MEASUREMENT

2283 GEOPHYSICS OF WAIOTAPU AREA. Studt, F.E. pp 35-41 of Waiotapu geothermal field. New Zealand; New Zealand Dept. Sci. Indust. Res. (Bull. 155) (1963).
NEW ZEALAND;GEOTHERMAL FIELDS;MAGNETIC SURVEYS;GRAVITY SURVEYS;HOT SPRINGS;HEAT FLOW; TEMPERATURE DISTRIBUTION;GEOLOGIC FAULTS; WAIOTAPU GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS

2284 GEOLOGIC INTERPRETATION OF AIRBORNE INFRARED IMAGERY. Lattman, L.H. Photogram. Engr.; 29: No. 1, 83-7(1963).
INFRARED SURVEYS;SHALES;SANDSTONES;AERIAL PROSPECTING;GEOLOGICAL SURVEYS;PHOTOGRAPHY; MEASURING METHODS

2285 TOPOGRAPHIC CORRECTION IN GEOTHERMAL PROSPECTING, MEASUREMENT OF GRADIENT AT MATERA. Mongelli, F.; Morelli, C. Boll. Geofis. Teor. Appl.; 5: No. 20, 289-96(1963). (English abstract).
EARTH CRUST;TEMPERATURE GRADIENTS;GEOTHERMAL EXPLORATION;BOREHOLES;ITALY;TOPOGRAPHY; CORRECTIONS

2286 TERRESTRIAL HEAT FLOW IN THE NATURAL STEAM FIELD AT LARDERELLO. Boldizsar, T. Pure Appl. Geophys.; 56: 115-22(1963).
LARDERELLO GEOTHERMAL FIELD;HEAT FLOW; GEOTHERMAL GRADIENTS;THERMAL CONDUCTIVITY;ROCKS; EXPLOITATION

2287 GEOPHYSICAL STUDIES ON THERMAL WATERS BY THE VERTICAL ELECTRICAL SOUNDING METHOD. Paparov, Kh. B'lgarsko Geol. Druz. Spisanie; 24, Pt. 2: 191-5(1963). (English abstract).
THERMAL WATERS;ELECTRICAL SURVEYS; TEMPERATURE MEASUREMENT;MINERAL RESOURCES; GEOTHERMAL EXPLORATION;ROCKS;MEASURING METHODS

2288 PHYSICAL MEASUREMENTS IN THE WAIOTAPU AREA. Thompson, G.E.K. pp 59-74 of Waiotapu geothermal field (Bull. 155). Wellington, New Zealand; New Zealand Dept. Sci. Indust. Res. (1963).
WAIOTAPU GEOTHERMAL FIELD;GEOTHERMAL GRADIENTS;MEASURING METHODS;FLOW RATE;HEAT FLOW; GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT; MASS TRANSFER;NEW ZEALAND

2289 RECENT DEVELOPMENTS IN GEOPHYSICAL PROSPECTING. Van Melle, F.A.; Faass, D.L.; Holekamp, O.G.; Kalisvaart, F.; Postma, G.W.; Seriff, A.J. pp 799-811 of Proceedings of 6th World Petroleum Congress-Geophysics and Geology, Sec. 1. World Petrol. Cong. (1963).
GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS; WELL LOGGING;ELECTROMAGNETIC SURVEYS;GRAVITY SURVEYS;SEISMIC SURVEYS;MAGNETIC SURVEYS; MEASURING METHODS

2290 MEASURING GEOTHERMAL GRADIENTS IN DRILL HOLES LESS THAN 60 FEET DEEP, EAST TINTIC DISTRICT, UTAH. Lovering, T.S.; Goode, H.D. US Geological Survey Bulletin 1172. Washington, DC; United States of America (USA); US Geol. Surv. (1963). 48p.
SOILS;ROCKS;GEOTHERMAL GRADIENTS;BOREHOLES; MEASURING METHODS;THERMAL DIFFUSIVITY; TEMPERATURE MEASUREMENT;DEPTH;DAILY VARIATIONS; SOLAR RADIATION;SULFIDES;OXIDATION;RELIABILITY; ACCURACY

2291 COMPARISON OF THE RESULTS OF MEASUREMENT BY ELECTRICAL AND MAXIMUM THERMOMETERS. Matvinenko, V.N.; Peterson, A.Ya.; Okun, M.I. Neftegazov. Geol. Geofiz.; No. 7, 42-45(1963).
GEOTHERMAL GRADIENTS;MEASURING METHODS; THERMOMETERS;BOREHOLES;PERFORMANCE TESTING; TEMPERATURE MEASUREMENT;USSR

2292 GEOTHERMAL GRADIENTS AND THEIR SIGNIFICANCE: A REVIEW. Verma, R.K. India Natl. Geophys. Res. Inst. Bull.; 1: No. 2, 107-114(1963).
EARTH CRUST;GEOTHERMAL GRADIENTS;HEAT FLOW; ROCKS;THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS;BOREHOLES;TEMPERATURE MEASUREMENT; MINES;TUNNELS

2293 LIGHTWEIGHT BOREHOLE TEMPERATURE MEASURING EQUIPMENT FOR RESISTANCE THERMOMETERS. Beck, A.E. J. Sci. Instrum.; 40: No. 9, 452-4(1963).
THERMOMETERS;BOREHOLES;TEMPERATURE MEASUREMENT;PYROMETERS;DESIGN;PERFORMANCE; ACCURACY;ELECTRONIC CIRCUITS;AMPLIFIERS; ELECTRIC CABLES

2294 CONVECTION IN SATURATED POROUS MEDIUM AT LARGE RAYLEIGH NUMBER OR PECLET NUMBER. Wooding, R.A. J. Fluid Mech.; 15, Pt. 4: 527-44(Apr 1963).
GEOTHERMAL FIELDS;CONVECTION;POROSITY; BOUNDARY LAYERS;GEOPHYSICAL SURVEYS

2295 PROSPECTING OF GEOTHERMAL FIELDS AND EXPLORATION NECESSARY FOR THEIR ADEQUATE EXPLOITATION, PERFORMED IN VARIOUS REGIONS OF ITALY. Burgassi, R. pp 99-133 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (In French with English translation)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;NATURAL STEAM;GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS;BOREHOLES;LARDERELLO GEOTHERMAL FIELD;MONTE AMIATA GEOTHERMAL FIELD

2296 PROSPECTING OF HYDROTHERMAL AREAS BY SURFACE THERMAL SURVEYS. Thompson, G.E.K.; Bonwell, C.J.; Dawson, G.B.; Dickinson, D.J. pp 386-401 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
NEW ZEALAND;HYDROTHERMAL SYSTEMS;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;WAIRAKEI GEOTHERMAL FIELD;TEMPERATURE MEASUREMENT;EARTH CRUST;THERMOCOUPLES;SOILS;HEAT FLOW;FUMAROLES; STEAM;FLOW RATE;PITOT TUBES

2297 UNITED STATES GEOLOGICAL SURVEY DRILL-HOLE PROBE. Calif. Div. Mines, Geol., Mineral Info. Serv.; 17: No. 11, 204(1964).
BOREHOLES;HEAT FLOW;EARTH CRUST;MEASURING METHODS;PROBES

2298 STRUCTURAL STUDY OF THE ROCCASTRADA ZONE IN PROSPECTING FOR STEAM BY GEOPHYSICAL, GRAVIMETRIC AND ELECTRICAL METHODS. Battini, F.; Menut, P. pp 73-81 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
PETROLEUM;GEOTHERMAL FIELDS;PROSPECTING; ITALY;GEOTHERMAL EXPLORATION;GRAVITY SURVEYS; ELECTRICAL SURVEYS;GEOPHYSICAL SURVEYS;NATURAL STEAM;EARTH CRUST;GEOLOGIC FAULTS

2299 EXPLORATION OF SUBSURFACE TEMPERATURE IN ICELAND. Bodvarsson, G.; Palmason, G. pp 91-8 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964).
ICELAND;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;BOREHOLES;TEMPERATURE MEASUREMENT; TEMPERATURE MONITORING;TEMPERATURE GRADIENTS; HYDROTHERMAL SYSTEMS;DRILLING FLUIDS; GEOCHEMICAL SURVEYS;THERMOMETERS;ELECTRIC CONDUCTIVITY;VAPOR PRESSURE;COOLING;SILICON OXIDES

2300 CONTRIBUTION OF GEOPHYSICAL METHODS TO PROSPECTING OF GEOTHERMAL FIELDS. Breusse, J.J. pp 141-4 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; REVIEWS;COST;PERFORMANCE;ELECTRICAL SURVEYS;

GEOLOGY

2301 LEAD-COMPENSATED THERMISTOR PROBE. Jessop, A.M. J. Sci. Instrum.; 41: No. 8, 503-4(1964).
THERMISTORS;TEMPERATURE MEASUREMENT; BOREHOLES;THERMOMETERS;DESIGN;RELAYS;SWITCHES

2302 GEOTHERMOGRAPH FOR A WELL WITH ELEVATED TEMPERATURE. Contini, G.F. Boll. Geofis. Teor. Appl.; 6: No. 21, 25-33(1964). (English abstract).
GEOTHERMAL EXPLORATION;BOREHOLES;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS;THERMOMETERS; THERMAL EXPANSION;BIMETALS

2303 TERRESTRIAL HEAT FLOW IN JAPAN. Horai, K.-I.; Uyeda, S.; Rikitake, T. J. Geophys. Res.; 69: No. 10, 2121-41(1964).
JAPAN;HEAT FLOW

2304 POSSIBILITY OR IMPOSSIBILITY OF STANDARDIZING THE OBSERVATIONS IN VULCANOLOGICAL OBSERVATORIES. Neumann Van Padang, M. Bull. Volcanol.; 27: 415-16(1964).
VOLCANIC REGIONS;GRAVITY SURVEYS;MAGMA; GROUND MOTION;MEASURING METHODS

2305 NATURE AND ASSESSMENT OF HEAT FLOW FROM HYDROTHERMAL AREAS. Dawson, G.B. N. Z. J. Geol. Geophys.; 7: No. 1, 155-71(1964).
WAIRAKEI GEOTHERMAL FIELD;HEAT FLOW; MEASURING METHODS;MEASURING INSTRUMENTS; FUMAROLES;GEYSERS;HOT SPRINGS;THERMAL WATERS; GROUND WATER;HEAT TRANSFER

2306 DIURNAL AND SEASONAL GROUND TEMPERATURE VARIATION AT WAIRAKEI. Dawson, G.B.; Fisher, R.G. N. Z. J. Geol. Geophys.; 7: No. 1, 144-54(1964).
Heat flow - 40 x 10^{-6}cal/cm^2/sec. WAIRAKEI GEOTHERMAL FIELD;HEAT FLOW;TEMPERATURE DISTRIBUTION;DAILY VARIATIONS;SEASONAL VARIATIONS;THERMAL DIFFUSIVITY;THERMAL CONDUCTIVITY

2307 GEOTHERMAL HEAT FLOW THROUGH THE SOIL AT WAIRAKEI. Robertson, E.I.; Dawson, G.B. N. Z. J. Geol. Geophys.; 7: No. 1, 134-43(1964).
WAIRAKEI GEOTHERMAL FIELD;HEAT FLOW;THERMAL CONDUCTION;CONVECTION;SOILS;THERMAL CONDUCTIVITY;HEAT TRANSFER

2308 TERRESTRIAL HEAT FLOW IN JAPAN. Uyeda, S. J. Geog.; 73: No. 4, 57-62(1964). (In Japanese with English abstract).
JAPAN;VOLCANIC REGIONS;HEAT FLOW;GEOTHERMAL EXPLORATION;GEOLOGY;GEOPHYSICAL SURVEYS

2309 DEEP GEOTHERMAL CONDITIONS IN CIS-CAUCASIA. Kortsenshtein, V.N. Dokl. Akad. Nauk SSSR; 154: No. 6, 1334-6(1964).
USSR;TEMPERATURE DISTRIBUTION;BOREHOLES;WELL DRILLING;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS

2310 GEOTHERMAL HEAT FLOW AT WAIRAKEI DURING 1958. Fisher, R.G. N. Z. J. Geol. Geophys.; 7: No. 1, 172-84(1964).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL ENERGY; BOREHOLES;GEOTHERMAL FLUIDS;FLOW RATE;HEAT; ENERGY YIELD;GEOPHYSICAL SURVEYS

2311 BEHAVIOR OF SILICON, ALUMINIUM, IRON, MAGNESIUM, CALCIUM, SODIUM, AND POTASSIUM IN FUMAROLIC GAS AT THE MIHARA VOLCANO, JAPAN. Kamiya, H. Bull. Chem. Soc. Jpn.; 37: No. 10, 1477-82(1964).
JAPAN;VOLCANOES;FUMAROLIC FLUIDS;SILICON; ALUMINIUM;IRON;MAGNESIUM;CALCIUM;SODIUM; POTASSIUM;WATER VAPOR;TRANSPORT;TEMPERATURE DEPENDENCE;CHEMICAL COMPOSITION;CHEMICAL REACTIONS;PRECIPITATION;VOLATILITY

2312 GEOTHERMAL PROSPECTING FOR ENDOGENOUS ENERGY. Burgassi, R.; Battini, F.; Mouton, J. pp 134-40 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM; LIMESTONE;CLAYS;GEOTHERMAL GRADIENTS;BOREHOLES; THERMAL EQUILIBRIUM;GEOTHERMAL EXPLORATION; THERMAL CONDUCTIVITY;ITALY

2313 GEOTHERMAL GRADIENTS AND HEAT FLOW IN THE SALT VALLEY ANTICLINE, UTAH. Spicer, H.C. Boll. Geofis. Teor. Appl.; 6: No. 23, 263-282(1964). (Italian Abs.).
UTAH;GEOTHERMAL GRADIENTS;BOREHOLES; TEMPERATURE MEASUREMENT;HEAT FLOW

2314 HYDROGEOLOGICAL INVESTIGATIONS OF THE THERMO-MINERAL WATERS OF BULGARIA. Mundrov, D. Yugoslavia Inst. Geol. Geophys. Res., Bull. Eng. Geol. Hyd.; No. 2, 33-38(1964).
BULGARIA;THERMAL WATERS;HOT SPRINGS; HYDROLOGY;GEOLOGY

2315 GEOPHYSICAL INVESTIGATION OF GEOTHERMAL ZONES OF EARTH. Scheffer, V. Acta Technica (Budapest); 47: No. 3-4, 409-30(1964).
HUNGARY;GEOTHERMAL FIELDS;GEOTHERMAL GRADIENTS;VARIATIONS;SEISMOLOGY;HEAT FLOW; GEOLOGIC STRATA;GEOLOGIC FAULTS

2316 THERMOELECTRIC DEVICE FOR MEASURING THERMAL CONDUCTIVITY OF ROCK. Khan, A.M.; Fatt, I. J. Geophys. Res.; 69: No. 20, 4414-4416(1964).
ROCKS;THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS

2317 GEOPHYSICAL PROSPECTING IN NEW ZEALAND'S HYDROTHERMAL FIELDS. Studt, F.E. pp 380-5 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
NEW ZEALAND;GEOTHERMAL FIELDS;HYDROTHERMAL SYSTEMS;GEOPHYSICAL SURVEYS;MAGNETIC SURVEYS; WELL LOGGING;ELECTRICAL SURVEYS;SEISMIC SURVEYS; PERFORMANCE;USES;GEOTHERMAL EXPLORATION

2318 METHODS USED IN EXPLORING GEOTHERMAL FIELDS IN JAPAN, WITH PARTICULAR REFERENCE TO GEOPHYSICAL METHODS, THEIR ROLE AND RESULTS. Sato, K. pp 374-9 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
JAPAN;GEOTHERMAL EXPLORATION;REVIEWS; GEOTHERMAL FIELDS;ELECTRICAL SURVEYS;SEISMIC SURVEYS;MAGNETIC SURVEYS;HYDROTHERMAL ALTERATION;GEOPHYSICAL SURVEYS;PERFORMANCE; MAGMA;MEASURING METHODS

2319 GEOPHYSICAL EXPLORATION OF HYDROGEOLOGICAL CONDITIONS OF DESERTS AND ARID REGIONS OF KAZAKHSTAN. Anashyn, Yu.F.; Gavelja, A.P.; Kirillov, R.N.; Tychkova, T.V. pp 160-78 of International Geological Congress, 22nd, India, Proceedings, Sec. 2, Geological results of applied geophysics. India; Int. Geol. Cong. Organ. Comm. (1964).
USSR;DESERTS;GEOPHYSICAL SURVEYS;PROSPECTING; WATER;ELECTRICAL SURVEYS;GEOLOGIC STRATA; HYDROLOGY

2320 STUDIES OF THERMAL STATE OF EARTH. 13TH PAPER - TERRESTRIAL HEAT FLOW IN JAPAN. Horai, K. Tokyo Daigaku Jishin Kenkyusho Iho; 42, Pt. 1: 93-131(Mar 1964).
JAPAN;HEAT FLOW;EARTH CRUST;SEAS; DISTRIBUTION

2321 TERRESTRIAL HEAT FLOW IN JAPAN. Uyeda, S.; Horai, K. J. Geophys. Res.; 69: No. 10, 2121-41(15 May 1964).
JAPAN;HEAT FLOW;SEAS;GEOGRAPHY;GEOPHYSICAL SURVEYS

2322 HEAT-FLOW VALUES FROM EASTERN AUSTRALIA. Sass, J.H. J. Geophys. Res.; 69: No. 18, 3889-93(15 Sep 1964).
AUSTRALIA;HEAT FLOW;VARIATIONS

2323 GEOTHERMAL CONDITIONS AT DEPTH IN CISCAUCASUS. Kortsenshtein, V.N. Dokl. Earth Sci. Sect. (Engl. Transl.); 154: 73-5(Nov 1964).
USSR;DEPTH;GEOTHERMAL GRADIENTS

2324 HEAT-FLOW MEASUREMENTS IN NORTH ATLANTIC, CARIBBEAN, AND MEDITERRANEAN. Nason, R.D.; Lee, W.H.K. J. Geophys. Res.; 69: No. 22, 4875-83(15 Nov 1964).
ATLANTIC OCEAN;CARIBBEAN SEA;MEDITERRANEAN SEA;HEAT FLOW;EARTH CRUST

2325 INFRARED GEOLOGY. Strangway, D.W.; Holmer, R.C. pp 293-320 of Proceedings of 3rd Symposium on Remote Sensing of Environment. Univ. Michigan (1965).
GEOLOGIC DEPOSITS;AERIAL PROSPECTING;REMOTE SENSING;THERMAL WATERS;GEOTHERMAL EXPLORATION; GEOLOGIC FAULTS;SULFIDES;INFRARED SURVEYS; GEOLOGY;MEASURING METHODS

2326 RESISTIVITY SURVEYING IN NEW ZEALAND THERMAL AREAS. Banwell, C.J.; MacDonald, W.J.P. pp 213 1-213 7 of New Zealand Commonwealth Min. Met. Congress, 8th Meeting, Wellington, 1965, Proceedings, Otago Univ., School of Min. Met. Dunedin; Otago Univ., Sch. of Min. Met. (1965).
From 8. Meeting of New Zealand Commonwealth Min. Met. Congress; Wellington (1965).
NEW ZEALAND;GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS;WAIRAKEI GEOTHERMAL FIELD; ELECTRICAL SURVEYS;THERMAL WATERS;ELECTRIC CONDUCTIVITY;VOLTMETERS;PERMEABILITY

2327 THERMAL MAPPING OF YELLOWSTONE NATIONAL PARK. McLerran, J.H.; Morgan, J.O. pp 517-30 of Proceedings of 3rd Symposium of Remote Sensing Environment. Univ. Michigan (1965).
YELLOWSTONE NATIONAL PARK; INFRARED SURVEYS; MAPS; IMAGES; TEMPERATURE DISTRIBUTION

2328 APPLICATION OF THE THEORY OF HEAT CONDUCTION TO GEOTHERMAL MEASUREMENTS. Jaeger, J.C. pp 7-23 of Terrestrial heat flow. American Geophys. Union, Geophys. Mon. 8 (1965).
EARTH CRUST;HEAT FLOW;THERMAL CONDUCTIVITY; IGNEOUS ROCKS;TEMPERATURE GRADIENTS; OSCILLATIONS;DRILLING FLUIDS;GROUND WATER

2329 MULTIPLE HYDROLOGIC-PARAMETER RECORDING ON A DIGITAL RECORDER. Cherry, R.N. pp 222-24 of US Geological Survey Professional Paper 525-D. Washington, DC; US Geological Surv. (1965).
RECORDING SYSTEMS;DIGITAL SYSTEMS;HYDROLOGY; ELECTRIC CONDUCTIVITY;TEMPERATURE MEASUREMENT

2330 PHYSICAL PROPERTIES OF THE DRILL CORE. Horton, R.C. pp 54-9 of Geological, geophysical, chemical, and hydrological investigations of the Sand Springs Range, Fairview Valley, anf Fourmile Flat, Churchill County, Nevada. US AEC, Vela Uniform Final Report 1001 (1965).
DRILL CORES;PHYSICAL PROPERTIES;THERMAL CONDUCTIVITY;PERMEABILITY;ELASTICITY;GRANITES

2331 THERMAL FEATURES AT MOUNT RAINIER, WASHINGTON, AS REVEALED BY INFRARED SURVEYS. Moxham, R.M.; Crandell, D.R.; Marlatt, W.E. pp 93-100 of US Geological Survey Professional Paper 525-D. Washington, DC; US Geological Surv. (1965).
MOUNTAINS;INFRARED SURVEYS;VOLCANOES; FUMAROLES;USA;WASHINGTON

2332 PROCEEDINGS OF THE THIRD SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, 14-16 OCT 1964. United States of America (USA); Univ. Mich., Infrared Phys. Lab., Inst. Sci. Tech. (1965). 821p.
From 3. Symposium on Remote Sensing of Environment; Univ. Michigan (14-16 Oct 1964).
INFRARED SURVEYS;MEETINGS;REMOTE SENSING; AERIAL MONITORING;AIRCRAFT;SPACE VEHICLES;USES; GEOLOGY;METEOROLOGY;OCEANOGRAPHY;GEOGRAPHY

2333 GEOPHYSICAL METHODS IN GEOTHERMAL PROSPECTING. Hatherton, T.; MacDonald, W.J.P.; Thompson, G.E.K. pp 75 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; GRAVITY SURVEYS;MAGNETIC SURVEYS;VOLCANIC ROCKS; HYDROTHERMAL ALTERATION;NEW ZEALAND

2334 GEOPHYSICAL STUDY OF MATSUKAWA GEOTHERMAL AREA, IWATE PREFECTURE, JAPAN. Hayakawa, M. pp 76-7 of International Symposium Volcanol., New Zealand. New Zealand; Inter. Symp. Volcanol. (1965).
MATSUKAWA GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;GEOLOGICAL SURVEYS;BOREHOLES;JAPAN; SEISMIC SURVEYS;ELECTRICAL SURVEYS;DRILLING; EXPLOITATION

2335 PRESENT STATE OF HEAT FLOW OBSERVATIONS. Lee, W.H.K. pp 100 of International Symposium on Volcanology, New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
HEAT FLOW;MEASURING METHODS;DISTRIBUTION; EARTH CRUST;THERMAL CONDUCTIVITY;TEMPERATURE GRADIENTS;VARIATIONS

2336 TECHNIQUES OF MEASURING HEAT FLOW THROUGH OCEAN FLOOR. Langseth, M.G. Amer. Geophys. Union, Natl. Acad. Sci., Natl. Res. Council, Geophys. Monograph Ser.; 8: 58-

86(1965).
SEAS;SEDIMENTS;HEAT FLOW;MEASURING METHODS; TEMPERATURE GRADIENTS;THERMAL CONDUCTIVITY

2337 TECHNIQUES OF MEASURING HEAT FLOW ON LAND. Beck, A.E. Amer. Geophys. Union, Natl. Acad. Sci., Natl. Res. Council, Geophys. Monograph Ser.; 8: 24-57(1965).
EARTH CRUST;ROCKS;THERMAL CONDUCTIVITY; TEMPERATURE GRADIENTS;HEAT FLOW;MEASURING METHODS

2338 GEOTHERMAL CHARACTERISTICS OF THE EMBA REGION. Dzhangir'yants, D.A. Geol. Nefti Gaza; 9: No. 1, 52-58(1965).
USSR;HEAT FLOW;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS

2339 REGIONAL GROUND TEMPERATURE SURVEY IN THE TAUPO-REPOROA DEPRESSION. Thompson, G.E.K. N. Z. J. Geol. Geophys.; 8: No. 3, 527-529(1965).
NEW ZEALAND;SOILS;TEMPERATURE MEASUREMENT; ELECTRICAL SURVEYS

2340 LIGHT-WEIGHT BOREHOLE RESISTANCE THERMOMETER. Beck, A.E. Geofiz. App.; No. 25, 33-39(1965).
THERMOMETERS;BOREHOLES;TEMPERATURE MEASUREMENT;PYROMETERS;DESIGN;PERFORMANCE; ACCURACY;ELECTRIC BRIDGES;AMPLIFIERS;ELECTRONIC EQUIPMENT

2341 SOME GEOPHYSICAL IMPLICATIONS FROM GRAVITY AND HEAT FLOW DATA. Wang, C.-Y. J. Geophys. Res.; 70: No. 22, 5629-5634(1965).
GEOPHYSICAL SURVEYS;GRAVITY SURVEYS;HEAT FLOW;CORRELATIONS;EARTH MANTLE;DENSITY;HEAT; VARIATIONS

2342 BIBLIOGRAPHY. TABLE I: NATURAL HEAT FLOWS OF SOME HOT SPRINGS AREAS OF THE WORLD. pp 14-17 of Geothermal energy (Circular No. 519). White, D.E. (ed.). Washington, DC; US Geol. Surv. (1965).
HOT SPRINGS;GEOTHERMAL FIELDS;HEAT FLOW; BIBLIOGRAPHIES

2343 PROBLEM OF DETERMINATION OF BASIC GEOTHERMAL PARAMETERS. Dyakonov, D.I. Pet. Geol. (USSR) (Engl. Transl.); 5: No. 9, 500-3(1965).
EARTH CRUST;TEMPERATURE DISTRIBUTION; NOMOGRAMS;TEMPERATURE GRADIENTS;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;LITHOLOGY;HEAT FLOW;THERMAL CONDUCTIVITY;MEASURING METHODS

2344 PROCEEDINGS OF THE SECOND SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, 15-17 OCT 1962. Univ. Michigan; Infrared Phys. Lab., Inst. Sci. Tech. (1965). 459p.
REMOTE SENSING;ENVIRONMENT;REVIEWS

2345 EFFECT OF PRESSURE ON THE ELECTRICAL RESISTIVITY OF WATER-SATURATED CRYSTALLINE ROCKS. Brace, W.F.; Orange, A.S.; Madden, T.R. J. Geophys. Res.; 70: No. 22, 5669-98(1965).
IGNEOUS ROCKS;LIMESTONE;ELECTRIC CONDUCTIVITY;PRESSURE DEPENDENCE;SALINITY; SATURATION

2346 HEAT-FLOW MEASUREMENTS IN EAST PACIFIC OCEAN. Langseth, M.G.; Grim, P.J.; Ewing, M. J. Geophys. Res.; 70: No. 2, 367-80(15 Jan 1965).
PACIFIC OCEAN;HEAT FLOW;EARTH CRUST

2347 GEOTHERMAL SURVEYS IN SEDIMENTARY ROCKS NEAR GRANTS AND LAGUNA, NEW MEXICO. Byerly, P.E. Geophysics; 30: No. 3, 396-402(Jun 1965).
EARTH CRUST;HEAT FLOW;GEOPHYSICS;NEW MEXICO; GEOPHYSICAL SURVEYS

2348 STUDIES OF THERMAL STATE OF EARTH. Yasui, M.; Watanabe, T. Tokyo Daigaku Jishin Kenkyusho Iho; 43, Pt. 3: 549-63(Sep 1965).
JAPAN;HEAT FLOW;SEAS;ZONES

2349 HUNGARY METHODOLOGICAL PROBLEMS OF GEOTHERMAL MEASUREMENTS. Alfoldi, L.; Galfi, J. Int. Assoc. Sci. Hydrol. Bull.; 11: No. 1, 8-23(1966). (In French).
HUNGARY;GEOTHERMAL EXPLORATION;GEOTHERMAL WELLS;GEOTHERMAL GRADIENTS;WELL LOGGING; BOREHOLES;DRILLING;ELECTRICAL SURVEYS;SAND; CLAYS;THERMAL CONDUCTIVITY;COST;MEASURING METHODS

2350 TEG-2 ELECTRONIC BOREHOLE THERMOMETER. Barminskiy, A.G. Razved. Geofiz.; No. 11, 103-14(1966).
BOREHOLES;THERMOMETERS;DESIGN;WELL LOGGING; ELECTRIC CABLES

2351 GEOPHYSICAL METHODS IN GEOTHERMAL PROSPECTING IN NEW ZEALAND. Hatherton, R.; MacDonald, W.J.P.; Thompson, G.E.K. Bull. Volcanol.; 29: 485-97(1966).
NEW ZEALAND;GEOTHERMAL EXPLORATION; ELECTRICAL SURVEYS;HEAT FLOW;THERMAL WATERS; VOLCANIC REGIONS;GEOTHERMAL FIELDS

2352 GRAVITY MAP OF GEYSERS AREA. Calif. Div. Mines, Geol., Mineral Info. Serv.; 19: No. 9, 148-9(1966).
GEYSERS GEOTHERMAL FIELD;GRAVITY SURVEYS; MAPS;VOLCANIC REGIONS

2353 GEOPHYSICAL STUDY OF MATSUKAWA GEOTHERMAL AREA, IWATE PREFECTURE, JAPAN. Hayakawa, M. Bull. Volcanol.; 29: 499-516(1966).
JAPAN;GEOPHYSICAL SURVEYS;MATSUKAWA GEOTHERMAL FIELD;ELECTRICAL SURVEYS;SEISMIC SURVEYS;POWER GENERATION

2354 PROBLEMS IN MEASURING TEMPERATURE AND TERRESTRIAL HEAT FLOW IN DEEP BORE-HOLES. Beck, A.E. pp 77-84 of International Upper Mantle Symposium, Ottawa, 1965. Report of Canada Geological Survey, Paper 66-13. Ottawa; Canadian Geol. Surv. (1966).
HEAT FLOW;BOREHOLES;THERMAL CONDUCTIVITY; MEASURING METHODS;GEOPHYSICAL SURVEYS; GEOTHERMAL FIELDS

2355 METHODS FOR THE MEASUREMENT OF TEMPERATURE AND HEAT FLOW IN SOIL. Bespalov, D.P. pp 102-9 of Israel Roog. Sci. Trans., Ltd., Instructions, Methods Meterol. Observ. Israel Roog. Sci. Trans., Ltd. (1966).
SOILS;HEAT FLOW;TEMPERATURE MEASUREMENT; ELECTRIC CONDUCTIVITY;THERMOMETERS;DESIGN; MEASURING METHODS

2356 PROBLEM OF THE HEAT FLOW VALUES OF SOME

REGIONS OF THE GREATER CAUCASUS AND CISCAUCASIA. Sukharev, G.M.; Vlasova, S.P.; Taranukha, Yu.K. Izv. Vyssh. Uchebn. Zaved., Neft Gaz; No. 5, 6-8(1966).
USSR;BOREHOLES;GEOTHERMAL GRADIENTS; THERMODYNAMIC PROPERTIES;IGNEOUS ROCKS; METAMORPHIC ROCKS;SEDIMENTARY ROCKS;GEOLOGY; HYDROLOGY;TECTONICS;HEAT FLOW

2357 RAPID RECONNAISSANCE OF HEAT-FLOW PATTERNS IN SNOW-COVERED THERMAL AREAS. Dort, W., Jr. J. Geophys. Res.; 71: No. 18, 4439-4440(1966).
YELLOWSTONE NATIONAL PARK;GEOTHERMAL FIELDS; THERMAL RADIATION;AERIAL MONITORING;SNOW; GEOPHYSICAL SURVEYS;HEAT FLOW

2358 GEOPHYSICAL METHODS IN GEOTHERMAL PROSPECTING IN NEW ZEALAND. Hatherton, T.; MacDonald, W.J.P.; Thompson, G.E.K. Bull. Volcanol.; 29: 485-497(1966).
NEW ZEALAND;GEOTHERMAL EXPLORATION; ELECTRICAL SURVEYS;GEOTHERMAL ENERGY;ELECTRIC CONDUCTIVITY

2359 ENERGY AND POWER OF GEOTHERMAL RESOURCES. Bodvarsson, G. Ore Bin; 28: No. 7, 117-124(1966).
EARTH CRUST;GEOTHERMAL GRADIENTS;HEAT FLOW; MAGMA;GEOTHERMAL RESOURCES;HYDROTHERMAL SYSTEMS; GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; TEMPERATURE MEASUREMENT;BOREHOLES;GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION;ELECTROMAGNETIC SURVEYS;ELECTRICAL SURVEYS

2360 USE OF WELL LOG TEMPERATURES TO EVALUATE REGIONAL GEOTHERMAL GRADIENTS. Schoeppel, R.J. J. Pet. Technol.; 18: No. 6, 667-673(1966).
OKLAHOMA;GEOTHERMAL GRADIENTS;WELL LOGGING; DATA;BOREHOLES;ACCURACY;DIAGRAMS;EQUATIONS; VARIATIONS;CORRELATIONS;MEASURING METHODS

2361 EFFECT OF PORE CONFIGURATION, PRESSURE AND TEMPERATURE ON ROCK RESISTIVITY. Helander, D.P.; Campbell, J.M. pp 1-29 of Transactions of 7th Annual Society of Professional Well Log Analysts Symposium, Tulsa, OK, 1966. Soc. Prof. Well Log Analysts (1966).
ROCKS;ELECTRIC CONDUCTIVITY;POROSITY; PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE

2362 INFRARED TECHNOLOGY - BIBLIOGRAPHY. Rafique, M.M.; Saleem, M. Lahore, Pakistan; Pakistan; Atomic Energy Centre (1966). 35p.
391 references. INFRARED SURVEYS; BIBLIOGRAPHIES;INFRARED RADIATION;RADIATION DETECTORS

2363 PREPARATION OF THERMISTOR CABLES USED IN GEOTHERMAL INVESTIGATIONS. Raspet, R. US Geol. Surv., Bull. 1203-C. Washington, DC; United States of America (USA); US Geol. Surv. (1966). 11p.
USSR;HEAT FLOW;ROCKS;THERMAL CONDUCTIVITY; DENSITY;CORRELATIONS;LITHOLOGY;CLAYS;TUFF; SANDSTONES;LIMESTONE;THERMISTORS

2364 PREPARATION OF THERMISTOR CABLES USED IN GEOTHERMAL INVESTIGATIONS. Robertson, E.C.; Raspet, R.; Swartz, J.H.; Lillard, M.E. US Geol. Surv. Bull. 1203-C. Washington, DC; US Geol. Survey (1966). 11p.
GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS; TEMPERATURE GRADIENTS;THERMISTORS;CALIBRATION; ELECTRIC CABLES;FABRICATION;TRANSPORT;MEASURING INSTRUMENTS;CALIBRATION

2365 PROPERTIES OF THERMISTORS USED IN GEOTHERMAL INVESTIGATIONS. Robertson, E.C.; Raspet, R.; Swartz, J.H.; Lillard, M.E. US Geol. Surv. Bull. 1203-B. Washington, DC; US Geol. Survey (1966). 34p.
GEOPHYSICAL SURVEYS;TEMPERATURE GRADIENTS; THERMISTORS;PERFORMANCE;PHYSICAL PROPERTIES; RELIABILITY

2366 PROCEEDINGS OF THE FOURTH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT 12-14 APR 1966. Univ. Michigan; Infrared Phys. Lab., Inst. Sci. Tech. (1966). 871p.
From 4. Symposium on Remote Sensing Environment; University of Michigan (12-14 Apr 1966).
Equipment design. REMOTE SENSING;ENVIRONMENT; DATA ACQUISITION;REVIEWS

2367 RAPID RECONNAISSANCE OF HEAT-FLOW PATTERNS IN SNOW-COVERED THERMAL AREAS. Dort, W., Jr. J. Geophys. Res.; 71: No. 18, 4439-40(15 Sep 1966).
EARTH CRUST;SNOW;HEAT FLOW;MEASURING METHODS; GEOTHERMAL FIELDS;EXPLORATION

2368 STUDIES OF THERMAL STATE OF EARTH - 18. Yasui, M.; Kishh, T.; Watanabe, T.; Uyeda, S. Tokyo Daigaku Jishin Kenkyusho Iho; 44, Pt. 4: 1501-18(Dec 1966).
JAPAN;HEAT FLOW;SEAS

2369 ELECTRICAL PROSPECTING AT TAKINOUE AND MATSUKAWA GEOTHERMAL AREAS. Baba, K.; Honma, I.; Takei, Y. Jap. Geol. Surv. Bull.; 18: No. 10, 679-86(1967). (In Japanese with English abstract).
JAPAN;GEOTHERMAL FIELDS;ELECTRIC CONDUCTIVITY;LAYERS;ELECTRICAL SURVEYS; MATSUKAWA GEOTHERMAL FIELD;HOT SPRINGS;NATURAL STEAM

2370 THERMAL CONDUCTIVITY OF ROCKS AND ITS MEASUREMENT WITH THE DIVIDED-BAR APPARATUS. Cermak, V.; Kresl, M. Ceska Akad., Ved. Geofys. Sbornik; 15: 287-304(1967).
ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS; TEMPERATURE GRADIENTS;DESIGN;ACCURACY

2371 INFRARED THERMAL SENSING. McLerran, J.H. Photogram. Engr.; 33: No. 5, 507-12(1967).
INFRARED SURVEYS;IMAGES;RELIABILITY;HOT SPRINGS;GEOTHERMAL EXPLORATION;MEASURING METHODS

2372 INFRARED IMAGERY MOSAICS FOR GEOLOGICAL INVESTIGATIONS. Williams, R.S., Jr.; Ory, T.R. Photogram. Engr.; 33: No. 12, 1377-80(1967).
INFRARED SURVEYS;USES;GEOLOGY;THERMAL RADIATION

2373 METHODS OF GEOTHERMAL MEASUREMENT ON CONTINENTS WITH PARTICULAR REGARD TO PROSPECTING. Mongelli, F. Bari Univ., 1st Geod. Geofis.; No. 53, 60p.(1967).
GEOTHERMAL EXPLORATION;HEAT FLOW;MEASURING METHODS;ERRORS;RELIABILITY;ROCKS;THERMAL CONDUCTIVITY;GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES

2374 RING HEAT SOURCE PROBE FOR RAPID DETERMINATION OF THERMAL CONDUCTIVITY OF ROCKS. Somerton, W.H.; Mossahebi, M. Rev. Sci. Instrum.; 38: No. 10, 1368-71(1967).
ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS

2375 APPLICATION OF INFRARED AERIAL RECORDING TECHNIQUES TO STUDIES OF VOLCANOES AND THERMAL ACTIVITIES OF KAMCHATKA PENINSULA. Shilin, B.V.; Komarov, V.B. Supplement to Proceedings of 5th Symposium on Remote Sensing of Environment. Leningrad; Union of Soviet Socialist Republics (USSR); Minist. Geol. USSR, Lab. Aerial Tech. (1967). 8p.
From 5. Symposium on Remote Sensing of Environment; Univ. Michigan
USSR;VOLCANOES;GEOTHERMAL FIELDS;INFRARED SURVEYS;AERIAL PROSPECTING;THERMAL WATERS;MAPS

2376 REMOTE SENSING OF THE GEOLOGICAL ENVIRONMENT. Bliamptis, E.E. (ed.). Cambridge; United States of America (USA); US Air Force, Cambridge Res. Lab., Terrest. Sci Lab. (1967).
GEOLOGY;AERIAL MONITORING;REMOTE SENSING; GEOPHYSICAL SURVEYS;INFRARED SURVEYS

2377 ADVANCEMENTS IN AIRBORNE INFRARED IMAGING TECHNIQUES. Stingelin, R.W.; Fisher, W., Jr. pp 466-71 of Proceedings of 3rd Annual Conference of American Water Res., San Francisco, CA, 1967, No. 3. Amer. Water Res. Assoc. (1967).
WATER RESOURCES;INFRARED SURVEYS;SURFACE WATERS;WATER POLLUTION;MEASURING METHODS

2378 DATA ON THE THERMAL WATERS OF THE TRANSCARPATHIAN INTERIOR DEPRESSION. Seletskiy, T.M. pp 84-6 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR; Moscow (1964).
USSR;GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS;BOREHOLES;ENERGY YIELD;THERMAL WATERS; EXPLOITATION

2379 DETERMINATION OF THE THERMOPHYSICAL PROPERTIES OF ROCKS AS A MEANS OF LOGGING DURING DRILLING. Sukharev, G.M.; Vlasova, S.P.; Taranukha, Yu.K. Dokl. Akad. Nauk SSSR; 177: No. 3, 688-90(1967).
MINERALS;PETROLEUM;PROSPECTING;GEOPHYSICAL SURVEYS;BOREHOLES;TEMPERATURE GRADIENTS;WELL LOGGING;SEDIMENTS;THERMAL CONDUCTIVITY;ROCKS; THERMODYNAMIC PROPERTIES

2380 REMOTE THERMAL SENSING. Holter, M.R.; Legault, R.R. pp 547-66 of Thermophysics of spacecraft and planetary bodies, radiation properties of solids and the electromagnetic radiation environment in space. Heller, G.B. (ed.). New York; Academic Press Inc. (1967).
INFRARED SURVEYS;MEASURING METHODS; STATISTICS;REMOTE SENSING;DESIGN;IMAGES; TEMPERATURE MEASUREMENT;EMISSIVITY;LASERS

2381 INTERPRETATION OF INFRARED IMAGERY OF MYVATU AREA. Chaturvedi, L.; Palmason, G. Natl. Energy Authority, Dept. Nat. Heat, Rpt. Unknown; Natl. Energy Authority, Dept. Nat. Heat (1967). 21p.
INFRARED SURVEYS;ICELAND;SPECIFICATIONS; MEASURING METHODS

2382 FORECASTS OF TEMPERATURE IN INTERIOR PARTS OF EARTH. Plyushch, A.M. Dokl. Akad. Nauk SSSR; 172: No. 2, 338-40(1967).
USSR;GEOTHERMAL GRADIENTS;GEOLOGY;NUMERICAL SOLUTION

2383 ELECTRICAL PROSPECTING AT TAKINOUE AND MATSUKAWA GEOTHERMAL AREAS. Baba, K.; Honma, I.; Takei, Y. Jap., Geol. Surv., Bull.; 18: No. 10, 679-686(1967).
JAPAN;MATSUKAWA GEOTHERMAL FIELD;ELECTRICAL SURVEYS;DATA;GEOPHYSICAL SURVEYS;NATURAL STEAM; GEOTHERMAL FIELDS;ELECTRIC CONDUCTIVITY

2384 EXTRAPOLATION OF TEMPERATURES AT DEPTH IN THE SOUTHERN CASPIAN TECTONIC DEPRESSION. Geodekyan, A.A.; Makarenko, F.A. Regional'naya Geotermiya I Rasprostraneniye Termal'nykh Vod. V. SSSR. Moscow; Soveshch. Geoterm. Issled. SSSR, 2nd, Tr. (1967).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW;VOLCANIC REGIONS;GEOTHERMAL ENERGY

2385 RECENT GEOPHYSICAL INVESTIGATIONS RELATING TO THE TAUPO VOLCANIC ZONE. Dollar, A.T.J. Geol. Soc. London Proc.; 1965-1966: No. 1632, 91-94(1967).
NEW ZEALAND;GEOTHERMAL EXPLORATION;VOLCANIC REGIONS;HOT SPRINGS;GEOLOGIC FAULTS;GEOPHYSICAL SURVEYS;MAGNETIC SURVEYS;AERIAL MONITORING; WAIRAKEI GEOTHERMAL FIELD;BOREHOLES;HYDROLOGY; HYDROTHERMAL SYSTEMS

2386 TERRESTRIAL HEAT FLOW IN LAKE MALAWI, AFRICA. von Herzen, R.P.; Vacquier, V. J. Geophys. Res.; 72: No. 16, 4221-4226(1967).
AFRICA;HEAT FLOW;DISTRIBUTION

2387 INFRARED SURVEYS IN ICELAND IN 1966. Friedman, J.D.; Williams, R.S., Jr.; Miller, C.D.; Palmason, G. Surtsey Res. Soc., Prog. Rpt.; 3: 99-103(1967).
ICELAND;INFRARED SURVEYS;SATELLITES; VOLCANOES;HEAT;ENERGY YIELD

2388 GEOPHYSICAL STUDY OF MATSUKAWA GEOTHERMAL AREA, NORTHEAST JAPAN. Hayakawa, M.; Takaki, S.-I.; Baba, K. Chishitsu Chosasho Geppo; 18: No. 2, 147-56(1967). (Japanese abstract).
JAPAN;GEOPHYSICAL SURVEYS;TEMPERATURE DISTRIBUTION;SEISMIC SURVEYS;NATURAL STEAM; AQUIFERS;MATSUKAWA GEOTHERMAL FIELD

2389 HEAT FLOW IN ICELAND IN RELATION TO THE MID-ATLANTIC RIDGE. Palmason, G. pp 111-27 of Iceland and mid-ocean ridges. Bjornsson, S. (ed.). Reykjavik, Iceland; Visindafelag Islendinga (1967).
ICELAND;HEAT FLOW;BOREHOLES;WATER;CONVECTION

2390 FRENCH INVESTIGATIONS OF GEOTHERMAL ENERGY AT GUADELOUPE. Goguel, J. Bull. Volcanol.; 30: 233-41(1967).
WEST INDIES;GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; BOREHOLES;TEMPERATURE MEASUREMENT

2391 GEOTHERMAL CONDITIONS AND THERMAL WATERS OF THE DNIEPER-DONETS BASIN. Zastezhko, Yu.S.; Tereshchenko, V.A.; Lur'e, A.I. pp 70-4 of Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Volume 2. Moscow; Izdatel'stvo ''Nauka'' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR,

Trudy; Moscow (1964).
USSR;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;THERMAL WATERS;PETROLEUM;GEOTHERMAL GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT

2392 HEAT FLOW IN SNOWY MOUNTAINS OF AUSTRALIA. Sass, J.H.; Clark, S.P., Jr.; Jaeger, J.C. J. Geophys. Res.; 72: No. 10, 2635-47(15 May 1967).
AUSTRALIA;MOUNTAINS;HEAT FLOW;SNOW; TEMPERATURE MEASUREMENT

2393 HEAT FLOW, HAWAIIAN AREA. Sclater, J.G.; Corry, C.E. J. Geophys. Res.; 72: No. 14, 3711-15(15 Jul 1967).
HAWAII;HEAT FLOW;DATA;SEAS;GEOPHYSICAL SURVEYS

2394 TERRESTRIAL HEAT FLOW IN KHETRI COPPER BELT, RAJASTHAN, INDIA. Gupta, M.L.; Verma, R.K.; Rao, R.U.M.; Hamza, V.M.; Venkateshwar Rao, G. J. Geophys. Res.; 72: No. 16, 4215-20(15 Aug 1967).
INDIA;GEOLOGIC DEPOSITS;HEAT FLOW;GEOTHERMAL GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT; THERMISTORS;ROCKS;QUARTZITES;THERMAL CONDUCTIVITY;DRILL CORES

2395 HEAT FLOW IN PACIFIC OCEAN OFF CENTRAL CALIFORNIA. Burns, R.E.; Grim, P.J. J. Geophys. Res.; 72: No. 24, 6239-47(15 Dec 1967).
PACIFIC OCEAN;CALIFORNIA;HEAT FLOW;DATA; GEOPHYSICAL SURVEYS

2396 ELECTRICAL PROSPECTING--APPLICATION OF THE METHOD AND PRACTICAL IDEAS FOR EXPLOITATION AND PRESENTATION OF THE RESULTS. Simler, L.; Carneiro Feitosa, E. (France). Bur. Recherche Geol. et Minieres Bull., Sec. 3--Hydrogeologie; No. 4, 45-50(1968). (In French).
GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS; PLANNING;GEOTHERMAL EXPLORATION

2397 INFRARED SENSING OF SOILS AND ROCKS. McLerran, J.H. Mater. Res. Stand.; 8: No. 2, 17-21(1968).
SOILS;ROCKS;INFRARED SURVEYS;INFRARED RADIATION;RELIABILITY;IMAGES

2398 DETERMINATION OF THE HEAT CONDUCTIVITY OF ROCKS IN STUDYING HEAT FLOWS OF THE EARTH. Kraskovsky, S.A. Lvov. Geol. Obshch. Geol. Sbornik; No. 11, 188-90(1968).
EARTH CRUST;HEAT FLOW;ROCKS;THERMAL CONDUCTIVITY;USSR;USA;UNITED KINGDOM;FRANCE

2399 ELECTRICAL LOGGING AND TEMPERATURE SURVEYS AT MATSUKAWA GEOTHERMAL WELLS. Takaki, S.-I.; Tanaka, S.-I. Chishitsu Chosasho Geppo; 19: No. 8, 507-18(1968). (In Japanese with English summary).
JAPAN;MATSUKAWA GEOTHERMAL FIELD;GEOTHERMAL WELLS;WELL LOGGING;ELECTRICAL SURVEYS; TEMPERATURE MEASUREMENT;NATURAL STEAM;LAVA;TUFF

2400 LOCATION OF ZONES OF MAXIMUM HYDROTHERMAL ACTIVITY BY MEASUREMENT OF CHEMICAL PROPORTIONS. CERRO PRIETO GEOTHERMAL FIELD OF BAJA CALIFORNIA, MEXICO. Mercado, S. Mexico; 3rd Cong. Mexicano Quim. Pura Apl. (1968). 32p. (In Spanish).
CERRO PRIETO GEOTHERMAL FIELD;CHEMICAL ANALYSIS;GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS;GEOLOGICAL SURVEYS;THERMAL WATERS;GASES

2401 EXPLORATION FOR THERMAL WATERS AND NATURAL STEAM. Kappelmeyer, O. Bundesanst. Bodenforsch., Geol. Jahrb.; 85: 783-816(1968). (In English with French summary).
THERMAL WATERS;NATURAL STEAM;GEOTHERMAL EXPLORATION;HOT SPRINGS;GEOPHYSICAL SURVEYS; HEAT FLOW;SOILS;GEOLOGIC DEPOSITS;TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS;MEASURING METHODS; EXPLORATION METHODS;GEOLOGICAL SURVEYS

2402 LINE SCAN DEVICES AND WHY USE THEM. Lowe, D.S. pp 77-101 of Proceedings of 5th Symposium on Remote Sensing of Environment, 1968, University of Michigan. Univ. Michigan (1968).
From 5. Symposium on Remote Sensing of Environment; Univ. Michigan (1968).
Airborne or spaceborne infrared scanners. INFRARED SURVEYS;AIRCRAFT;SPACE VEHICLES; PERFORMANCE;IMAGES;MAPS;THERMAL RADIATION; AERIAL MONITORING;MEASURING INSTRUMENTS

2403 REMOTE SENSING FOR ENGINEERING INVESTIGATIONS OF TERRAIN-INFRARED SYSTEMS. Parker, D.C. pp 701-9 of Proceedings of 5th Symposium on Remote Sensing of Environment, 1968, University of Michigan. Univ. Michigan (1968).
From 5. Symposium on Remote Sensing of Environment; Univ. Michigan (1968).
GEOTHERMAL EXPLORATION;INFRARED RADIATION; THERMAL RADIATION;RADIATION DETECTORS;IMAGES; INFRARED SURVEYS;GEOTHERMAL FIELDS;REMOTE SENSING;ENGINEERING;GROUND WATER;THERMAL WATERS

2404 ORIGIN AND DEVELOPMENT OF METHODS OF THERMOMETRIC RESEARCH IN BOREHOLES IN AZERBAIJAN. Petrosyan, K.Ts. Neft' i Gaz; No. 12, vp(1968).
Differential electronic thermometers. BOREHOLES;TEMPERATURE MEASUREMENT;THERMOMETERS; ELECTRONIC EQUIPMENT;MEASURING METHODS; TEMPERATURE GRADIENTS;ELECTRIC CONDUCTIVITY; GEOTHERMAL FLUIDS;GEOPHYSICAL SURVEYS;REVIEWS

2405 THERMAL FIELD OF THE SOVIET CARPATHIANS AND ADJACENT TERRITORIES. Gordiyenko, V.V.; Kutas, R.J. Dopov. Akad. Nauk Ukr. RSR, Ser. B; No. 11, 996-8(1968).
USSR;HEAT FLOW;GEOPHYSICAL SURVEYS

2406 PRECISE THERMISTOR THERMOMETER FOR USE IN GEOTHERMICS. Halousek, J.; Prihoda, K. Ceska. Akad., Ved. Geofys. Sbornik; 15: 321-35(1968).
THERMOMETERS;THERMISTORS;CONFIGURATION; SPECIFICATIONS;PERFORMANCE;TEMPERATURE MONITORING

2407 GEOTHERMAL GROUND NOISE AMPLITUDE AND FREQUENCY SPECTRA IN THE NEW ZEALAND VOLCANIC REGION. Clacy, G.R.T. J. Geophys. Res.; 73: No. 16, 5377-83(1968).
NEW ZEALAND;VOLCANIC REGIONS;SEISMIC SURVEYS; AQUIFERS;SEISMIC NOISE;GEOTHERMAL EXPLORATION

2408 TECHNIQUE OF STUDYING THERMAL PROPERTIES OF ROCKS AND CALCULATING HEAT FLOW VALUES IN THE CRIMEA. Lebedev, T.S.; Savenko, B.Ya.; Korniets, D.V. Akad. Nauk Ukr. RSR, Geophys. Commun.; No. 24, 61-72(1968). (In Russian with English summary).
ROCKS;THERMODYNAMIC PROPERTIES;SEDIMENTARY ROCKS;LITHOLOGY;THERMAL CONDUCTIVITY;CLAYS;USSR;

HEAT FLOW;DRILL CORES;DENSITY

2409 INFRARED SENSING OF ACTIVE GEOLOGIC PROCESSES. Friedman, J.D.; Willaims, R.S., Jr. pp 787-820 of Proceedings of 5th Symposium on Remote Sensing of the Environment, Univ. Michigan. Univ. Michigan (1968).
INFRARED SURVEYS;GEOTHERMAL FIELDS;VOLCANOES; HYDROTHERMAL SYSTEMS;REVIEWS

2410 GEOTHERMAL STUDIES. YELLOWSTONE NATIONAL PARK(TEST SITE II), WYOMING. White, D.E.; Fournier, R.O.; Muffler, L.J.P.; Truesdell, A.H. Menlo Park, CA; United States of America (USA); US Geol. Surv. (1968). 15p.
YELLOWSTONE NATIONAL PARK;TEMPERATURE DISTRIBUTION;PRESSURE GRADIENTS;CALORIMETRY; BOREHOLES;REMOTE SENSING;LITHOLOGY;INFRARED SURVEYS;GEOPHYSICAL SURVEYS

2411 BOREHOLE THERMOMETER. Duchkov, A.D.; Serdyakov, V.A. Razved. Geofiz.; No. 27, 86-9(1968).
BOREHOLES;TEMPERATURE MEASUREMENT;MEASURING METHODS;THERMOMETERS;ACCURACY;DESIGN;ELECTRIC CONDUCTIVITY

2412 GEOTHERMAL CHARACTERISTICS AND THERMOPHYSICAL PARAMETERS OF THE MESO-CENOZOIC AND PRECAMBRIAN-PALEOZOIC FORMATIONS OF THE GREATER CAUCASUS AND CISCAUCASIA. Sukharev, G.M.; Vlasova, S.P.; Taranukha, Yu.K. pp 77-83 of Simp. Fiz.-Mekhanicheskim Svoystvam Gornykh Porod Verkhney Chasti Zemnoy Kory, Moscow, 1964, Doklady. Moscow; Izdatel'stvo 'Nauka' (1968).
USSR;METAMORPHIC ROCKS;IGNEOUS ROCKS; THERMODYNAMIC PROPERTIES;HEAT FLOW;GEOTHERMAL GRADIENTS;GEOTHERMAL EXPLORATION

2413 INVITED COMMENTS. Palmason, G. pp 817-20 of Proceedings of 5th Symposium on Remote Sensing of Environment. Univ. Michigan (1968).
Infrared surveys. ICELAND;GEOTHERMAL EXPLORATION;INFRARED SURVEYS;AERIAL PROSPECTING; GEOTHERMAL FIELDS

2414 CALCULATION OF NORMAL VALUES OF GRAVITY ON A DIGITAL COMPUTER, ON THE BASIS OF RECTANGULAR COORDINATES OF A GAUSS-KRUGER PROJECTION. Sukhoguzov, P.G. Revista De Agricultura No. 28, 74-6(1968).
GRAVIMETRY;COMPUTER CALCULATIONS;GRAVITATION

2415 REMOTE SENSING OF ACTIVE GEOLOGIC PROCESSES. Friedman, J.D.; Williams, R.S., Jr. pp 82-4 of Proceedings of 5th Symposium on Remote Sensing of Environment, Summary. Ann Arbor, MI; Univ. Michigan (1968).
AERIAL PROSPECTING;INFRARED RADIATION; INFRARED SURVEYS;REMOTE SENSING;THERMAL RADIATION;SEISMIC EFFECTS;HYDROLOGY;GEOLOGY; FUMAROLES;GEOLOGIC FISSURES;CONVECTION;REVIEWS

2416 THERMAL ANOMALIES IN THE REGION OF THE BAIKAL RIFT. Lyubimova, Ye.A. pp 159-66 of Baykal'skiy rift. Moscow; Akad. Nauk. SSSR Siber. Otdel., Inst. Zemn. Kory (Izdatel'stvo ''Nauka'') (1968).
USSR;LAKES;DEPTH;GEOTHERMAL GRADIENTS;HEAT FLOW;THERMAL WATERS

2417 GEOTHERMY OF THE FIELDS OF DARVIN BAY. Mamedov, M.K.; Matveyev, Ye.I.; Panakhov, N.A.; Knaritonov, M.F. Neft'i Gaz; No. 10, 3-7(1968).
USSR;GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS;DEPTH;TEMPERATURE MEASUREMENT

2418 METHOD OF STUDYING GEOTHERMS. Ramazanzade, M.G.; Rostomyan, P.M. Neft'i Gaz; No. 12, 11-14(1968).
GEOTHERMAL GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT;DEPTH;GEOPHYSICAL SURVEYS

2419 MAGNETIC ANOMALIES OVER ICELAND. Serson, P.H.; Hannaford, W.; Haines, G.V. Science; 162: No. 3851, 355-7(1968).
AERIAL PROSPECTING;ICELAND;MAGNETIC SURVEYS; BASALT;HEATING;VOLCANIC REGIONS

2420 MEASUREMENT OF SURFACE TEMPERATURES BY TELEVISION IN THE IR. Boutry, G.A.; Jatteau, M. C. R. Hebd. Seances Acad. Sci., Ser. A, B; 266: No. 4, 214-17(1968). (In French).
INFRARED SURVEYS;TEMPERATURE MEASUREMENT; TEMPERATURE DISTRIBUTION;SURFACES;TELEVISION; MEASURING METHODS

2421 THERMAL INFRARED IMAGERY FOR GEOLOGISTS. Sabins, F.F., Jr. Chevron Oil Field Research Co., Paper. United States of America (USA); Chevron Oil Field Res. Co. (1968). 21p.
GEOLOGIC STRATA;INFRARED RADIATION; PHOTOGRAPHY;AERIAL PROSPECTING;CALIFORNIA; SEDIMENTARY ROCKS;THERMAL RADIATION;IMPERIAL VALLEY;EARTH CRUST;INFRARED SURVEYS;MEASURING METHODS

2422 HEAT FLOW IN THE SEA OF JAPAN. Yasui, M.; Kishii, T.; Watanabe, T.; Vyeda, S. pp 3-16 of Publ. 1687 (Internatl. Upper Mantle Proj., Sci. Rpt. 15; Am. Geophys. Union, Geophys. Mon. 12). Washington, D. C.; Natl. Res. Council (1968).
JAPAN;SEAS;HEAT FLOW;DATA

2423 VARIABLE CALIBER SONDE FOR HEAT CONDUCTIVITY MEASUREMENTS IN PLACE. Uelsner, C.; Leischner, H.; Pischel, S. Freiberger Forschungsh., C; 232: 47-65(1968).
GEOLOGIC DEPOSITS;THERMAL CONDUCTIVITY; BOREHOLES;MEASURING INSTRUMENTS;DESIGN; PERFORMANCE TESTING;LIMESTONE

2424 HEAT FLOW MEASUREMENTS IN TWO MINES IN WESTERN AND SOUTHERN BOHEMIA. Cermak, V.; Krcmar, B. Czech., Ustred. Ustav. Geol., Vestn.; 43: No. 6, 415-422(1968).
CZECHOSLOVAKIA;HEAT FLOW;MINES;DATA

2425 APPLICATION OF GEOTHERMY IN GEOLOGICAL PROSPECTING. Kremar, B. Freiberger Forschungsh.; 238: 45-53(1968).
GEOPHYSICAL SURVEYS;MINERALS;PROSPECTING; GEOTHERMAL EXPLORATION;TEMPERATURE MEASUREMENT; THERMAL WATERS

2426 GEOTHERMY OF THE BAIKAL AREA. Lysak, S.V. Sibir. Otdel., Geol. Geofiz., Akad. Nauk SSSR; No. 9, 16-21(1968).
USSR;BOREHOLES;HEAT FLOW;ROCKS;PHYSICAL PROPERTIES;TECTONICS;TEMPERATURE MEASUREMENT

2427 ANALYSIS OF 1966 INFRARED IMAGERY OF SURTSEY, ICELAND. Williams, R.S., Jr.; Friedman, J.D.; Thorarinsson, S.;

Sigurgeirsson, T.; Palmason, G. Surtsey Res. Soc., Prog. Rpt.; 4: 177-92(1968).
ICELAND;INFRARED SURVEYS;SATELLITES; VOLCANOES;TEMPERATURE MEASUREMENT;HEAT;ENERGY YIELD

2428 KNOWLEDGE OF THE EARTH'S INTERIOR (GEOPHYSICAL INVESTIGATIONS OF BOREHOLES). Dakhnov, V.N.K. Moscow; Union of Soviet Socialist Republics (USSR); Nauchno-Tekh. Biblioteka Molodczhi (Izdatel'stvo ''Nedra'' (1968). 143p.
Book: in Russian. GEOPHYSICAL SURVEYS; BOREHOLES;GEOLOGIC DEPOSITS;REVIEWS;EARTH CRUST

2429 HEAT FLOW AND CRYSTAL STRUCTURE NEAR CAMBAY, GUJARAT, INDIA. Verma, R.K.; Gupta, M.L.; Hamza, V.M.; Venkateswar Rao, G.; Rao, R.U.M. Bull. Natl. Geophys. Res. Inst.; 6: No. 4, 153-66(1968).
INDIA;HEAT FLOW;GEOTHERMAL GRADIENTS; GEOLOGIC STRATA

2430 SIGNIFICANCE OF ENERGY SOURCES IN GEOPHYSICAL EXPLORATION. Hings, D.L. West. Miner; 41: No. 11, 32,34(1968).
GEOPHYSICAL SURVEYS;MEASURING METHODS; MEASURING INSTRUMENTS;EXPLORATION;COMPARATIVE EVALUATIONS

2431 METHODS OF APPLICATIONS OF INFRARED AERIAL PHOTOGRAPHY WHEN STUDYING THE VOLCANOES AND THERMAL ACTIVITIES OF KAMCHATKA PENINSULA. Komarov, V.B.; Shilin, B.V.; Miroshinov, M.N.; Feoktistov, Ju.A. Proceedings of 5th Symposium on Remote Sensing of the Environment, University of Michigan. Ann Arbor, MI; Univ. Michigan (1968).
USSR;INFRARED SURVEYS;AERIAL PROSPECTING; VOLCANOES;HYDROTHERMAL SYSTEMS;PHOTOGRAPHY

2432 GRAVIMETRIC METHOD IN GEOLOGICAL INVESTIGATIONS, PROSPECTING FOR AND SURVEYING DEPOSITS OF USEFUL MINERALS. Uspenskiy, D.T. Leningrad; Union of Soviet Socialist Republics (USSR); Izdatel'stvo ''Nedra'' (1968). 331p.
GRAVITY SURVEYS;PROSPECTING;MINERALS;ORES; PETROLEUM DEPOSITS;MEASURING METHODS

2433 DETERMINATION OF THE HEAT CONDUCTIVITY OF ROCKS IN STUDYING HEAT FLOWS OF THE EARTH. Kraskovskiy, S.A. L'vov. Geol. Obshch. Geol. Sbornik; No. 11, 188-190(1968).
EARTH CRUST;HEAT FLOW;ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS

2434 WAY OF DETERMINING THE SPECIFIC ELECTRICAL RESISTIVITY OF ROCKS. Brylkin, Yu.L. pp 105-11 of Metody Razvedochnoy i promyslovoy geofiziki v Zapadnoy Sibiri. Siber. Nauch.-Issled. Inst. Geologii, Geofiz. Mineral. Syr'ya Trudy, No. 80 (1968).
ROCKS;ELECTRIC CONDUCTIVITY;MEASURING METHODS

2435 THERMOMETRICAL METHODS OF STUDYING GROUNDWATER. Frolov, N.M. (All-Union Scientific Research Inst. of Hydrogeology and Engineering Geology, Moscow). pp 269-83 (Publ. No. 77) of Groundwater, Proceedings of General Assembly of Bern, Sep-Oct 1967. Int. Assoc. Sci. Hydrology (1968).
GROUND WATER;EARTH PLANET;HEAT;HEAT TRANSFER; MASS TRANSFER;HYDROTHERMAL SYSTEMS; THERMODYNAMIC PROPERTIES;THERMAL WATERS; RADIOACTIVITY;ENERGY SOURCES;MEASURING METHODS; GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT

2436 TEMPERATURE VARIATIONS OF DEEP FLOWING WELLS IN SOUTH DAKOTA. Adolphson, D.G.; Leroux, E.F. Prof. Paper 600-D. United States of America (USA); Geol. Survey (1968). 3p.
SOUTH DAKOTA;TEMPERATURE DISTRIBUTION;WELLS; GEOTHERMAL GRADIENTS;THERMAL WATERS;AQUIFERS

2437 GEOTHERMAL DATA FROM VIENNA BASIN. Boldizsar, T. J. Geophys. Res.; 73: No. 2, 613-18(15 Jan 1968).
HUNGARY;GEOTHERMAL GRADIENTS;HEAT FLOW;DATA; AUSTRIA;GEOPHYSICAL SURVEYS

2438 GEOTHERMAL CONDITIONS IN SOUTHEASTERN PART OF DNIEPER-DONETS DEPRESSION. Litvinov, V.V.; Shevchenko, I.N. Sov. Geol.; No. 5, 141-5(May 1968).
USSR;GEOTHERMAL GRADIENTS;GEOLOGIC FAULTS; GEOTHERMAL EXPLORATION

2439 HEAT FLOW INSIDE ISLAND ARCS OF NORTHWESTERN PACIFIC. McKenzie, D.P.; Sclater, J.G. J. Geophys. Res.; 73: No. 10, 3173-9(15 May 1968).
PACIFIC OCEAN;ISLANDS;HEAT FLOW;TEMPERATURE GRADIENTS

2440 HEAT FLOW IN UNITED STATES. Roy, R.F.; Decker, E.R.; Blackwell, D.D.; Birch, F. J. Geophys. Res.; 73: No. 16, 5207-21(15 Aug 1968).
USA;HEAT FLOW;DATA COMPILATION;MEASURING METHODS;CALIBRATION;GEOLOGY;RADIOACTIVITY; GEOTHERMAL GRADIENTS

2441 IN SITU MEASUREMENT OF THERMAL CONDUCTIVITY IN PRESENCE OF TRANSVERSE ANISOTROPY. Wright, J.A.; Garland, G.D. J. Geophys. Res.; 73: No. 16, 5477-84(15 Aug 1968).
THERMAL CONDUCTIVITY;MEASURING METHODS; ANISOTROPY;PROBES;HEAT FLOW

2442 'UNDERGROUND' HOT WATER. Water Well J.; 44(Dec 1968).
GEOTHERMAL EXPLORATION;MEASURING METHODS; THERMAL WATERS;ICELAND;TEMPERATURE MEASUREMENT; MAPS

2443 STUDY OF GEOTHERMAL FIELDS IN VOLCANIC REGIONS OF FOREIGN COUNTRIES. Aver'yev, V.V. (International Geodetic and Geophysical Union). Akad. Nauk SSSR Sibirsk. Otdeleniye Vulkanol. Sta. Byull; No. 45, 72(1969). (In Russian).
GEOTHERMAL FIELDS;HEAT FLOW;HEAT TRANSFER; GROUND WATER;LARDERELLO GEOTHERMAL FIELD; METEORIC WATER;VOLCANIC REGIONS;GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS

2444 CONTRIBUTION OF THE GEOTHERMAL AND GEOPHYSICAL PROSPECTING METHODS TO THE STUDY OF THE GEOTHERMAL FIELDS OF TUSCANY, ITALY. Mouton, J. Bull. Volcanol.; 33: No. 1, 165-190(1969). (In Italian).
Piancastagnaio field, Poggio Nibbio field.
ITALY;GEOTHERMAL EXPLORATION;TEMPERATURE GRADIENTS;MAPS;LARDERELLO GEOTHERMAL FIELD; ELECTRICAL SURVEYS;GEOPHYSICAL SURVEYS; GEOTHERMAL FIELDS

2445 ANOMALOUS HEAT FLOW IN JAPAN.

Hayakawa, M. Bull. Volcanol.; 33: No. 1, 57-67(1969).
JAPAN;HEAT FLOW;GEOTHERMAL FIELDS;BOREHOLES; GEOPHYSICAL SURVEYS;FLOW RATE;FLUID FLOW

2446 TERRESTRIAL HEAT FLOW IN VOLCANIC AREAS, IN THE EARTH'S CRUST AND UPPER MANTLE. Horai, K.; Uyeda, S. (Am. Geophys. Union Geophys. Mon. 13). Natl. Acad. Sci.-Natl. Research Council; No. 1708, 95-109(1969).
VOLCANIC ROCKS;GEOTHERMAL FIELDS;VOLCANIC REGIONS;EARTH CRUST;SEAS;MAGMA;HEAT TRANSFER; JAPAN

2447 RESISTIVITY EXPLORATION FOR ALTERED ZONE AT OTAKE GEOTHERMAL AREA. Noguchi, T.; Onodera, S. Japan: Bull. Volcanol.; 33: No. 1, 205-207(1969).
ELECTRIC CONDUCTIVITY;ELECTRICAL SURVEYS; OTAKE GEOTHERMAL FIELD;VOLCANIC ROCKS; HYDROTHERMAL ALTERATION;GEOTHERMAL POWER PLANTS

2448 ANALYSIS OF HEAT FLOW DATA--PT. 1, DETAILED OBSERVATIONS IN A SINGLE BOREHOLE. Beck, A.E.; Judge, A.S. Royal Astron. Soc. Geophys. Jour.; 18: No. 2, 145-158(1969).
HEAT FLOW;BOREHOLES;DEPTH;TEMPERATURE MEASUREMENT;THERMAL CONDUCTIVITY;DENSITY; POROSITY;CORRECTIONS;VARIATIONS;DATA

2449 GEOPHYSICAL INVESTIGATIONS IN PROSPECTING FOR THERMAL WATERS. Zaytsev, I.M. (Leningrad Univ.). Vestnik; 12: No. 2, 77-83(1969). (In Russian).
THERMAL WATERS;ELECTRICAL SURVEYS;AQUIFERS; THICKNESS;ELECTRIC CONDUCTIVITY;SEISMIC SURVEYS; MAGNETIC SURVEYS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;MEASURING METHODS

2450 INFRARED IMAGERY OF TORFAJOKULL THERMAL AREA. Saemundsson, K. Report from National Energy Authority, Department of Nat. Heating (Iceland). (1969). 17p.
GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;INFRARED SURVEYS;GEOLOGY; ICELAND

2451 AERIAL INFRARED SURVEYS AT THE GEYSERS GEOTHERMAL STEAM FIELD, CALIFORNIA. Moxham, R.M. pp 106-22 of US Geol. Surv., Prof. Pap. 650-C. Washington, DC; US Geol. Surv. (1969).
GEYSERS GEOTHERMAL FIELD;INFRARED SURVEYS; AERIAL PROSPECTING;HYDROTHERMAL ALTERATION; GEOLOGIC FAULTS;EXPLORATION

2452 THERMAL INFRARED IMAGERY AND ITS APPLICATION TO STRUCTURAL MAPPING IN SOUTHERN CALIFORNIA. Sabins, F.F., Jr. Geol. Soc. Am., Bull.; 80: No. 3, 397-404(1969).
IMPERIAL VALLEY;INFRARED SURVEYS;AIRCRAFT; INFRARED RADIATION;IMAGES;AERIAL MONITORING; GEOLOGY;MAPS

2453 PROGRAM FOR THE NECESSARY CALCULATIONS IN INTERPRETATION OF VERTICAL ELECTRIC SOUNDINGS (SEV) BY THE METHOD OF ACCUMULATIVE RESISTIVITIES. Graterol, V. Resis I: Soc. Venezolana Geologos Bol.; 4: No. 2, 37-41(1969).
ELECTRICAL SURVEYS;ELECTRIC CONDUCTIVITY; COMPUTER CODES

2454 HEAT TRANSFER MEASUREMENT IN GEOTHERMAL AREAS. Yuhara, K. (Nat. Res. Center, Tokyo, Japan). IASPEI/IAGA General Assembly (Programme and Abstracts). Madrid, Spain; Comite Espanol Organizador de las Asambleas Generales Cientificas IASPEI/IAGA (1969).
From International Assoc. Seismology and Phys. Earth's Interior, International Assoc. Geomagnetism and Aeronomy General Assembly; Madrid, Spain (1-12 Sep 1969).
GEOTHERMAL FIELDS;FUMAROLES;HOT SPRINGS; NATURAL STEAM;EVAPORATION;HEAT TRANSFER;THERMAL CONDUCTION

2455 THERMAL MEASUREMENTS IN THE RED SEA HOT BRINE POOLS. Erickson, A.J.; Simmons, G. (MIT, Cambridge, Dept. Geology and Geophysics). pp 114-121 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag, Inc. (1969).
RED SEA;HOT SPRINGS;BRINES;SEDIMENTS; TEMPERATURE GRADIENTS;DEPTH;SEAWATER;HEAT TRANSFER;DIFFUSION;OCEANOGRAPHY;GEOTHERMAL RESOURCES;EXPLORATION;SAMPLING

2456 TEMPERATURE STRUCTURE OF THE RED SEA BRINES. Ross, D.A. (Woods-Hole Oceanographic Inst., MA). pp 148-52 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag, Inc. (1969).
RED SEA;HOT SPRINGS;BRINES;STRATIFICATION; TEMPERATURE GRADIENTS;SEAWATER;OCEANOGRAPHY; GEOCHEMISTRY;SEDIMENTS;GEOTHERMAL RESOURCES

2457 TEMPERATURE MEASUREMENTS IN THE BOTTOM LAYERS OF THE RED SEA BRINES. Pugh, D.T. (Cambridge Univ. (England). Dept. of Geodesy and Geophysics). pp 158-63 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag, Inc. (1969).
RED SEA;SEDIMENTS;TEMPERATURE GRADIENTS; SEAWATER;HOT SPRINGS;BRINES;LEVELS;OCEANOGRAPHY; LAYERS;STRATIFICATION;GEOTHERMAL RESOURCES

2458 TEMPERATURE DATA FROM EXPLORATORY BOREHOLES AT THE SUPPLEMENTAL TEST SITE, CENTRAL NEVADA INTERIM REPORT. Munroe, R.J.; Moses, T.H., Jr. Contract AT-(29-2)-474. Menlo Park, CA; United States of America (USA); US Geol. Surv. (1969). 15p.
NEVADA;BOREHOLES;TEMPERATURE MEASUREMENT; GEOPHYSICAL SURVEYS

2459 INFRARED MEASUREMENTS OF THE PHYSICAL PROPERTIES OF ERUPTIVE GASES. Tazieff, H.; Jatteau, M. Acad. Sci. Compt. Rend.; 268: No. 5, Ser. D, 767-70(1969).
VOLCANOES;ITALY;FUMAROLIC FLUIDS;TEMPERATURE MEASUREMENT;FLOW RATE;INFRARED SURVEYS

2460 HEAT-FLOW DETERMINATIONS IN THE NORTH WESTERN UNITED STATES. Blackwell, D.D. J. Geophys. Res.; 74: No. 4, 992-1007(1969).
USA;HEAT FLOW;GEOPHYSICAL SURVEYS

2461 SOME PROBLEMS IN DIGITAL HEAT-FLOW MEASUREMENT. Lister, C.R.B. Bull. Volcanol.; 33: No. 1, 299-310(1969).
HEAT FLOW;MEASURING INSTRUMENTS;RESOLUTION; SENSITIVITY;EARTH CRUST;ELECTRIC CONDUCTIVITY

2462 GEOPHYSICAL INVESTIGATIONS ON THE SELF-SEALING GEOTHERMAL FIELDS. Facca, G. Bull. Volcanol.; 33: No. 1, 119-21(1969).
GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS;EL SALVADOR;CAP ROCK;AQUIFERS;NATURAL STEAM; GEOCHEMICAL SURVEYS;MAGNETIC SURVEYS;ELECTRICAL SURVEYS;COST;SEALS

2463 SIMPLE METHOD OF CALCULATING CLIMATIC CORRECTIONS TO HEAT FLOW MEASUREMENTS. Crain, I.K. Can. J. Earth Sci.; 6: No. 3, 499-502(1969).
BOREHOLES;HEAT FLOW;TEMPERATURE MEASUREMENT; CLIMATES;CORRECTIONS

2464 PROCEEDINGS OF THE SIXTH SYMPOSIUM ON REMOTE SENSING OF THE ENVIRONMENT, 13-16 OCT 1969. United States of America (USA); Univ. Michigan, Infrared Phys. Lab., Inst. Sci. Tech. (1969). 1349p.; summary - 141p.
From 6. Symposium on Remote Sensing of the Environment; Univ. Michigan (13-16 Oct 1969).
ENVIRONMENT;REMOTE SENSING;MEETINGS; PROCEEDINGS

2465 MAGNETIC AND GRAVITY ANOMALIES IN THE CENTRAL RED SEA. Phillips, J.D.; Woodside, J.; Bowin, C.O. pp 98-113 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;MAGNETIC SURVEYS;GRAVITY SURVEYS; BRINES;ROCKS;TECTONICS

2466 GEOPHYSICAL STUDIES FOR VOLCANOLOGICAL GEOHYDROLOGY. Adams, W.M. Hi Water Res. Centr.; No. 18, 23p.(1969).
HYDROLOGY;VOLCANOES;GEOPHYSICAL SURVEYS; INFRARED SURVEYS;ELECTRICAL SURVEYS;GRAVITY SURVEYS;GROUND WATER;MAGNETIC SURVEYS;SEISMIC SURVEYS;POROSITY;HOLOGRAPHY;FRESH WATER;ALGAE; DRILLING;AERIAL PROSPECTING;VOLCANIC REGIONS; MEASURING METHODS

2467 COMPUTER METHOD OF SOLVING THE INVERSE PROBLEM OF ELECTRICAL SURVEYING (VERTICAL ELECTRICAL SOUNDING). Zavelev, A.I. IVUGA; No. 8, 88-93(1969).
ELECTRICAL SURVEYS;COMPUTER CALCULATIONS; ELECTRIC CONDUCTIVITY;ITERATIVE METHODS

2468 USE OF DIGITAL SEISMIC TECHNOLOGY IN AUSTRALIA. Cone, R.M.; Wardell, J. APEA J.; 9, Pt. 2: 111-26(1969).
GEOPHYSICAL SURVEYS;SEISMIC SURVEYS;DATA PROCESSING;SEISMOLOGY;AUSTRALIA

2469 AIRBORNE GEOPHYSICAL METHODS. Hood, P.; Ward, S.H. pp 1-112 of Advances in geophysics, Volume 13. Landsberg, H.E.; van Meighem, J. New York, London; Academic Press (1969).
GEOPHYSICAL SURVEYS;AERIAL MONITORING; REVIEWS;MINERALS;PROSPECTING;MAGNETIC SURVEYS; GRAVITY SURVEYS;ELECTROMAGNETIC SURVEYS; RADIATION MONITORING;REMOTE SENSING

2470 GEOTHERMAL HEAT FLOW IN THE NORTH ISLAND OF NEW ZEALAND. Studt, F.E.; Thompson, G.E.K. N. Z. J. Geol. Geophys.; 12: No. 4, 673-83(1969).
NEW ZEALAND;GEOTHERMAL FIELDS;HEAT FLOW; BOREHOLES;GEOTHERMAL GRADIENTS;HYDROLOGY; METEORIC WATER;VOLCANIC REGIONS

2471 DESIGNING LOGGING INSTRUMENTS FOR SEMICONDUCTING TEMPERATURE LOGGING. Egerer, F. Magy. Geofiz.; 10: No. 6, 226-32(1969). (Russian and German summaries).
WELL LOGGING;TEMPERATURE MEASUREMENT; BOREHOLES;THERMISTORS;DESIGN;MEASURING INSTRUMENTS

2472 GEOTHERMAL HEAT FLOW IN THE NORTH ISLAND OF NEW ZEALAND. Studt, F.E.; Thompson, G.E.K. (Dep. Sci. Ind. Res., Wellington, N. Z.). N. Z. J. Geol. Geophys.; 12: No. 4, 673-83(1969).
NEW ZEALAND;HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;GEOTHERMAL FIELDS;VOLCANIC REGIONS;METEORIC WATER

2473 MULTI-SENSOR INVESTIGATION OF SELECTED CALIFORNIA GEOTHERMAL AREAS. Hodder, D.T.; Steller, D.D. EOS, Trans., Am. Geophys. Union; 50: No. 11, 677-678(1969).
CALIFORNIA;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS

2474 GEOTHERMAL INVESTIGATIONS IN DIFFERENT PARTS OF INDIA. Verma, R.K.; Gupta, M.L.; Rao, R.U.M.; Venkateswara Rao, G.; Hamza, V.M. In Annual Report, 1967-68. Hyderabad; Nat. Geophys. Res. Inst. (1969).
INDIA;GEOTHERMAL GRADIENTS;HEAT FLOW; GEOPHYSICAL SURVEYS

2475 CERRO PRIETO, GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO. Mercado, S. EOS, Trans., Am. Geophys. Union; 50: No. 2, 59(1969).
CERRO PRIETO GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT;MEXICO

2476 NEW METHOD FOR DIFFERENTIAL RESISTIVITY SOUNDING. Zohdy, A.A.R. Geophysics; 34: No. 6, 924-943(1969).
ELECTRICAL SURVEYS;MEASURING INSTRUMENTS; ELECTRIC CONDUCTIVITY;MEASURING METHODS

2477 VARIABLE SEISMIC DIGITAL PROCESSING UNITS. Posgay, K.; Vincze, J.; Kaszas, M.; Kengyel, M. Geofiz. Kozl.; 18: No. 4, 17-20(1969). (In English and Russian summ.).
SEISMIC SURVEYS;DIGITAL SYSTEMS;DESIGN; OPERATION;SEISMOGRAPHS;DATA PROCESSING

2478 TECHNICAL AND PROCEDURAL PROBLEMS OF THE HUNGARIAN FREQUENCY-MODULATED SEISMIC EQUIPMENT. Koch, G.; Kovacs, B.; Polcz, I. Geofiz. Kozl.; 18: No. 4, 51-62(1969). (In English and Russian summ.).
SEISMIC SURVEYS;MEASURING INSTRUMENTS; PERFORMANCE;SEISMOGRAPHS;COMPUTERS;DATA PROCESSING

2479 NEW COMPLEX APPARATUS FOR ELECTRICAL SURVEYING. Alekseyev, A.M.; Bezruk, I.A.; Klyuchkin, V.N. Prikl. Geofiz.; No. 57, 112-23(1969).
ELECTRICAL SURVEYS;COMPUTERS;MEASURING INSTRUMENTS

2480 ENHANCING THE NOISE RESISTANCE OF ELECTRICAL SURVEY APPARATUS. Shaub, Yu.B. Geofiz. App.; No. 40, 104-8(1969).
ELECTRICAL SURVEYS;NOISE;MEASURING METHODS

2481 AIRBORNE THERMAL SCANNING IN GEOSCIENCE DATA ACQUISITION. Stingelin, R.W. pp 175-82 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
GEOPHYSICAL SURVEYS;REMOTE SENSING;AERIAL PROSPECTING;INFRARED SURVEYS;MEASURING METHODS

2482 ASPECTS OF DATA ACQUISITION AND HANDLING IN INFRARED REMOTE SENSING INSTRUMENTATION. Weiss, M. pp 234-51 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
REMOTE SENSING;INFRARED SURVEYS;DATA ACQUISITION;DATA PROCESSING;ELECTRONIC EQUIPMENT;OPTICAL SYSTEMS;OPERATION

2483 TECHNIQUES FOR EVALUATING INFRARED IMAGERY FROM AERIAL LINE SCANNERS AND HIGH SPEED INFRARED CAMERAS. Eliason, J.R. pp 265-74 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
INFRARED SURVEYS;IMAGES;SENSITIVITY;DATA PROCESSING;COMPUTERS

2484 PROPOSED DATA PROCESSING CENTER FOR GEOPHYSICAL FIELD SURVEYS. O'Brien, D.P. pp 327-32 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
GEOPHYSICAL SURVEYS;DATA PROCESSING;DIGITAL COMPUTERS;REMOTE SENSING;ELECTRONIC EQUIPMENT; PLANNING;DISPLAY DEVICES

2485 DEEP PROBING METHODS-DATA PROCESSING. McNeill, J.D.; Staley, D.A. pp 345-68 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
GEOPHYSICAL SURVEYS;DATA PROCESSING;DIGITAL COMPUTERS;REMOTE SENSING

2486 CORRELATING REMOTE SENSOR SIGNALS WITH GROUND-TRUTH INFORMATION BY COMPUTER. Merrill, R.D.; Eppler, W.G. pp 369-407 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
AERIAL PROSPECTING;DATA PROCESSING;COMPUTERS; CORRELATIONS;MULTI-PARAMETER ANALYSIS;REMOTE SENSING;MICROWAVE EQUIPMENT;INFRARED SURVEYS; SPECTROMETERS

2487 REMOTE SENSING OF THE ENVIRONMENT, SOME THEORETICAL CONSIDERATIONS AND CONCEPTS. Burnett, E.S. pp 408-25 of Remote sensing 1969 - IRSI Symposium, 1st Annual Proceedings, Volume 1. Sacramento, CA; International Remote Sensing Inst. (1969).
AERIAL PROSPECTING;DATA PROCESSING;MEASURING METHODS;REMOTE SENSING

2488 DEEP HEAT FLOW ON THE TERRITORY OF DAGESTAN. Dzhamalova, A.S. Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo ''Nauka'' (1969). 128p.
USSR;SEDIMENTARY ROCKS;HEAT FLOW;GEOLOGIC STRATA;GEOLOGY

2489 GEOTHERMAL CHARACTERISTICS OF THE CRIMEAN PENINSULA AND SOME AREAS OF THE EAST CARPATHIANS. Lebedev, T.S.; Kutas, R.I.; Gordiyenko, V.V. Bull. Volcanol.; 33: No. 1, 191-203(1969).
USSR;GEOTHERMAL GRADIENTS;HEAT FLOW; VARIATIONS;GEOTHERMAL FIELDS

2490 SUBSURFACE TEMPERATURE, HEAT CONDUCTIVITY AND HEAT FLOW IN THE THURINGIA BASIN AND SURROUNDING AREAS, GDR. Hurtig, E.; Meincke, W. Bull. Volcanol.; 33: No. 1, 229-42(1969).
GERMAN DEMOCRATIC REPUBLIC;HEAT FLOW; VARIATIONS;GEOLOGIC STRATA;SEDIMENTARY ROCKS

2491 HEAT FLOW FROM DEPTH IN AZERBAIJAN. Sukharev, G.M.; Taranukha, Yu.K.; Vlasova, S.P. Sov. Geol.; No. 8, 146-53(1969).
USSR;HEAT FLOW;BOREHOLES;PETROLEUM DEPOSITS

2492 GEOTHERMAL CHARACTERISTICS OF THE CRIMEAN PENINSULA AND SOME AREAS OF THE EASTERN CARPATHIANS. Lebedev, T.S.; Kutas, R.I.; Gordiyenko, V.V. pp 74-83 of Stroyeniye i fizika glubinnykh nedr zapadnogo regiona SSSR. Minsk; Akad. Byeloruss. SSR Lab. Geokhim. Problem Sektor Fiz. Zem. (Izdatel'stvo ''Nauka i Tekhnika'') (1969).
USSR;GEOTHERMAL FIELDS;GEOTHERMAL GRADIENTS; HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT

2493 SENSOR DETECTION CAPABILITIES STUDY. Wilson, J.E. US Geol. Surv. Circ. 616. Washington, DC; United States of America (USA); US Geol. Surv. (1969). 26p.
HOT SPRINGS;REMOTE SENSING;INFRARED SURVEYS; MINERALS;PETROLEUM;PROSPECTING;RADAR;MICROWAVE EQUIPMENT;PHOTOGRAPHY

2494 INVESTIGATION OF METHODS OF MEASURING SPECIFIC ELECTRICAL RESISTIVITY OF ROCK SAMPLES FOR PURPOSES OF CHOOSING OPTIMUM MEASURING SCHEMES. Hassan Ali, N.M. pp 5-12 of Petrofizika i promyslovaya geofizika. Moscow; Inst. Neftekhim. i Gazov. Promyshlennosti Tr., No. 89 (1969).
ROCKS;ELECTRIC CONDUCTIVITY;MEASURING METHODS

2495 FRAME CORE RESISTIVIMETER. Polyakov, Ye.A.; Skoblikova, G.I.; Kotov, P.T. Razved. Geofiz.; No. 36, 135-9(1969).
ROCKS;ELECTRIC CONDUCTIVITY;MEASURING INSTRUMENTS;ERRORS

2496 SOME RESULTS OBTAINED WITH THE METHOD OF INDUCED PARASITE VOLTAGES (IPV). Fernandez Alonso, F. Rev. Geofis.; No. 109, 209-15(1969).
GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS; GEOLOGIC FAULTS

2497 INTERPRETATION OF VERTICAL ELECTRICAL SOUNDINGS - RESISTIVITY SAMPLINGS AND PARAMETRIC SOUNDINGS. Fernandez Alonso, F. Rev. Geofis.; 28: No. 109, 217-28(1969).
ELECTRICAL SURVEYS;ROCKS;ELECTRIC CONDUCTIVITY;GEOLOGIC STRATA;STRATIGRAPHY; LITHOLOGY;MEASURING METHODS

2498 NEW GE-MAKE INSTRUMENTS. Kakas, K.; Vero, J. Geofiz. Kozl.; 18: No. 1-2, 57-67(1969). (Russian and German summaries).
ELECTRICAL SURVEYS;MEASURING INSTRUMENTS; DESIGN;OPERATION;ELECTRIC MEASURING INSTRUMENTS

2499 THERMOGRAPHIC SURVEY IN THE WEST INDIES. Pekar, L.; Guy, M. Photo Interpretation; 69-1: No. 5-6, 30-47(1969). (English and Spanish versions).
WEST INDIES;INFRARED SURVEYS;SURFACES;AERIAL PROSPECTING;GEOTHERMAL GRADIENTS

2500 METHOD OF RHYTHMOSTRATIGRAPHIC CORRELATION OF MATERIALS FROM GEOPHYSICAL INVESTIGATIONS OF BOREHOLES AND FROM SEISMIC

EXPLORATION. Romashko, O.M.; Perel'man, I.I. Dokl. Akad. Nauk Uzb. SSR; No. 1, 42-4(1969).
GEOPHYSICAL SURVEYS;BOREHOLES;STRATIGRAPHY; DATA;CORRELATIONS;SEISMIC SURVEYS;WELL LOGGING; DIAGRAMS;DATA PROCESSING;ELECTRICAL SURVEYS

2501 INTERPRETATION OF ELECTRICAL PROSPECTING BY ANALOG COMPUTER. Yoshizumi, E. Kozan Chishitsu; 19(6): No. 98, 371-5(1969). (In Japanese with English abstract).
ELECTRICAL SURVEYS;ELECTRIC CONDUCTIVITY; EARTH CRUST;TOPOGRAPHY;ANALOG COMPUTERS; PROSPECTING

2502 REFLECTIONS ON THE APPLICATIONS OF THE FOURIER TRANSFORM IN SEISMIC SURVEYING AND GRAVIMETRY. Jacqmin, A.; Pekar, L. Geophys. Prosp. [Netherlands]; 17: No. 3, 294-326(1969).
SEISMIC SURVEYS;GRAVITY SURVEYS;FOURIER TRANSFORMATION;DATA PROCESSING;MEASURING METHODS

2503 RAPID HEAT-FLOW SURVEYING OF GEOTHERMAL AREAS UTILIZING INDIVIDUAL SNOWFALLS AS CALORIMETERS. White, D.S. J. Geophys. Res.; 74: No. 22, 5191-201(1969).
HEAT FLOW;GEOTHERMAL FIELDS;MEASURING METHODS;SNOW;CALORIMETRY;OLD FAITHFUL GEYSER

2504 AERIAL HEAT SURVEY OF THE VOLCANOES OF KAMCHATKA. Shilin, B.V.; Gusev, N.A. Sov. Geol.; No. 5, 139-47(1969).
USSR;VOLCANOES;INFRARED SURVEYS;HEAT FLOW

2505 THEORY AND CONSTRUCTION OF A PROPOSED SUPERCONDUCTING AEROMAGNETIC GRADIOMETER. Otala, M. Acta Polytech. Scand., Electr. Eng. Ser.; No. 21, 56p.(1969).
MAGNETOMETERS;SUPERCONDUCTORS;AERIAL PROSPECTING;MAGNETIC SURVEYS;MAPS;DESIGN

2506 MUSTER OF MODERN HUNGARIAN GEOPHYSICAL INSTRUMENTS. Geokhimiya; 18: No. 1-2, 71-5(1969).
HUNGARY;GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS;DESIGN;FABRICATION

2507 BRINGING OUT WAVES IN THE INTERFERENCE ZONE BY THE CORRELATION ANALYSIS METHOD. Grigor'yeva, G.V. Razved. Geofiz.; No. 34, 66-70(1969).
SEISMIC SURVEYS;DATA PROCESSING;CORRELATIONS; WAVE FUNCTIONS

2508 INFRARED SYSTEM ENGINEERING. Hudson, R.D., Jr. New York and London; United States of America (USA); Wiley-Interscience (1969). 642p.
INFRARED SURVEYS;REMOTE SENSING;EARTH PLANET; MEASURING INSTRUMENTS;MEASURING METHODS

2509 ANALOG SYSTEM FOR SOLVING DIRECT PROBLEMS OF SEISMIC SURVEYING. Belyayev, V.Ya.; Kudasov, N.D.; Nudel'man, B.Ye. pp 18-24 of Novyye geofizicheskiye issledovaniya na Ukraine (Konf. Molodykh Geofizikov Ukrainy, Kiev, 1968, Materialy). Kiev; Akad. Nauk Ukr. SSR, Inst. Geofiziki (1969).
SEISMIC SURVEYS;GEOLOGIC DEPOSITS; STRATIGRAPHY;VELOCITY;THICKNESS;ANALOG SYSTEMS

2510 ELECTRICAL METHODS OF EXPLORATION IN THE SOVIET UNION. Caldwell, R.L. pp 87-104 of Unconventional methods in exploration for petroleum and natural gas; SMU, Inst. Study of Earth and Man, Symposium (1968). Heroy, W.B. (ed.). Dallas, TX; Southern Methodist Univ. (1969).
USSR;ELECTRICAL SURVEYS;MAGNETIC SURVEYS; PROSPECTING

2511 ATTEMPT TO DEVELOP PORTABLE MULTICHANNEL SEISMIC RECORDING APPARATUS. Timoshin, Yu.V.; Manayev, Yu.A. pp 61-6 of Novyye geofizicheskiye issledovaniya na Ukraine (Konf. Molodykh Geofizikov Ukrainy, Kiev, 1968, Materialy). Kiev; Akad. Nauk Ukr. SSR Inst. Geofiz. (1969).
SEISMIC SURVEYS;RECORDING SYSTEMS;DESIGN; TRANSPORT

2512 INFRARED AERIAL SURVEY OF THE VOLCANOES OF KAMCHATKA. Shilin, B.V.; Gusev, N.A.; Miroshnikov, M.M.;Karizhenski, Ye.Ya. pp 175-87 of Symposium on remote sensing of environment, 6th Internationa, Ann Arbor, MI, 1969, Proceedings, Volume 1. Ann Arbor, MI; Univ. Michigan, Willow Run Labs. (1969).
USSR;VOLCANOES;PHOTOGRAPHY;AERIAL MONITORING; HEAT FLOW;INFRARED SURVEYS

2513 REMOTE SENSORS AND PHOTOGEOLOGY. Carter, W.D. pp 65-74 of Aplicacion de sensores remotos para determinacion, conservacion y desarrollo de recursos naturales - 1st Symposium, La Plata, Argentina, 1969. La Plata, Argentina; Univ. Nac: La Plata (1969).
INFRARED SURVEYS;AERIAL PROSPECTING; PHOTOGRAPHY;SATELLITES;REMOTE SENSING;GEOLOGIC FAULTS;GEOLOGIC DEPOSITS;SOILS;VOLCANOES

2514 SINGLE-CHANNEL AND MULTISPECTRAL SCANNERS. Pollard, W.J. pp 101-9 of Aplicacion de sensores remotos para determinacion, conservacion y desarrollo de recursos naturales - 1st Symposium, La Plata, Argentina, 1969. La Plata, Argentina; Univ. Nac. La Plata (1969).
IMAGE SCANNERS;DATA PROCESSING;REMOTE SENSING

2515 INFRARED SURVEYS IN ICELAND - PRELIMINARY REPORT. Friedman, J.D.; Williams, R.S., Jr.; Palmason, G.; Miller, C.D. pp C89-C105 of Geological Survey research 1969, Chapter C, US Geological Survey Prof. Paper 650-C. Washington, DC; US Geol. Surv. (1969).
ICELAND;GEOTHERMAL FIELDS;INFRARED SURVEYS; VOLCANOES;HEAT FLOW

2516 VARIATION OF POROSITY AND PERMEABILITY OF JOINTED-CAVERNOUS RESERVOIRS UNDER ISOTHERMAL CONFINING COMPRESSION (THEORETICAL CALCULATION). Dobrynin, V.M. pp 57-65 of Petrofizika i promyslovaya geofizika. Moscow; Moskov. Inst. Neft. i Gaz. Prom. Trudy, No. 89 (1969).
ROCKS;WATER RESERVOIRS;DEFORMATION; COMPRESSIBILITY;POROSITY;PERMEABILITY

2517 INTERPRETATION OF DATA OF VERTICAL ELECTRICAL SOUNDINGS ON ELECTRONIC COMPUTERS. Strakhov, V.N.; Karelina, G.N. Prikl. Geofiz.; No. 56, 118-29(1969).
ELECTRICAL SURVEYS;DATA PROCESSING;COMPUTERS; ELECTRIC CONDUCTIVITY

2518 INTRODUCTION TO THE SYSTEM OF DIGITAL

RECORDING. Palafox Rayon, H. Bol. Asoc. Mex. Geofis. Explor.; 10: No. 1, 96p.(1969).
SEISMIC SURVEYS;DATA COMPILATION;DATA ACQUISITION SYSTEMS;DIGITAL SYSTEMS;RECORDING SYSTEMS

2519 NEW MEASURING DEVICE IN GRAVIMETERS WITH ELECTROSTATIC COMPENSATION OF GRAVITY MEASUREMENTS. Lukavchenko, P.I.; Bobynin, B.V. Razved. Geofiz.; No. 31, 77-82(1969).
GRAVITY SURVEYS;GRAVIMETRY;MEASURING INSTRUMENTS;PERFORMANCE TESTING;DESIGN

2520 POSSIBILITIES OF MEASURING ROCK TEMPERATURE IN ULTRADEEP BOREHOLES. Putikov, O.F. Izv. Akad. Nauk SSSR, Fiz. Zemli; No. 10, 50-60(1969).
BOREHOLES;ROCKS;TEMPERATURE MEASUREMENT; MEASURING METHODS;DRILLING

2521 GEOTHERMAL REGIME OF CERTAIN TECTONIC STRUCTURES. Charygin, M.M.; Bogomolov, Yu.G. Bull. Int. Assoc. Sci. Hydrol.; 14: No. 4, 127-30(1969).
USSR;HEAT FLOW;GEOTHERMAL GRADIENTS;GEOLOGIC STRATA;TECTONICS;GEOTHERMAL FIELDS

2522 STUDY OF JOINTED RESERVOIRS BY GEOPHYSICAL LOGGING METHODS. Nechay, A.M. Razved. Geofiz.; No. 36, 111-26(1969).
GRANITES;WATER RESERVOIRS;WELL LQGGING; GEOPHYSICAL SURVEYS

2523 BRINGING OUT AND ASSESSING JOINTED RESERVOIRS BY GEOPHYSICAL LOGGING METHODS. Komarov, S.G.; Shcherbakova, T.V.; Chukin, V.T. Razved. Geofiz.; No. 36, 127-34(1969).
ROCKS;WATER RESERVOIRS;WELL LOGGING;NEUTRONS; ELECTRIC CONDUCTIVITY

2524 SCHEFFER HYPOTHESIS (IN METHODEN UND ERGEBNISSE GEOTHERMISCHER UNTERSUCHUNGEN). Steiner, F. Freiberg. Forschung., Reihe C; No. 238 (1968), 7-11(1969).
Relation between gravity anomalies and occurrence of geothermal fields. ITALY; GEOPHYSICAL SURVEYS;HEAT FLOW;GEOTHERMAL GRADIENTS;GRAVITY SURVEYS;EUROPE;GEOTHERMAL FIELDS

2525 GEOTHERMAL CONDITIONS IN THE ILI BASIN (IN GIDROKHIMIYA I GIDROTERMIYA PODZEMNYKH VOD KAZAKHSTANA). Kan, M.S. Tr. Akad. Nauk Kaz. SSR, Inst. Gidrogeol. Gidrofiz.; 3: 151-65(1969).
USSR;GEOTHERMAL GRADIENTS;HEAT FLOW

2526 GEOTHERMAL CHARACTERISTICS OF EASTERN TURKMENIA AND THEIR RELATION TO THE LOCATION OF SALT. Sokolov, V.Ya.; Eyvazov, A.M.; Pilip, Ya.A.; Osadchiy, V.G. Izv. Akad. Nauk Turkm. SSR, Ser. Fiz.-Tekh., Knim. Geol. Nauk; No. 3, 121-5(1969).
USSR;SALT DEPOSITS;HEAT FLOW;GEOTHERMAL GRADIENTS

2527 GEOTHERMY OF THE KYUROVDAG DEPOSITS. Aliyev, A.A.; Ter-Karapetyants, Zh.N.; Shabanov, S.F. Dokl. Akad. Nauk Azerb. SSR; 25: No. 4, 55-9(1969).
USSR;GEOLOGIC DEPOSITS;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS

2528 TEMPERATURE REGIME OF THE BUZOVNY-MASHTAGI DEPOSIT. Ter-Karapetyants, Zh.N.; Shabanov, S.F. Dokl. Akad. Nauk Azerb. SSR; 25: No. 1, 17-20(1969).
USSR;GEOLOGIC DEPOSITS;GEOTHERMAL GRADIENTS; HEAT FLOW;EARTH CRUST

2529 HEAT FLOW FROM THE INTERIOR, AZERBAIDZHAN. Sukharev, G.M.; Taranukha, Yu.K.; Vlasova, S.P. Sov. Geol.; No. 8, 146-53(1969).
USSR;HEAT FLOW;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;EARTH CRUST

2530 TEMPERATURE DISTRIBUTION IN THE SALT DOMES OF THE PRIPET BASIN. Bogomolov, G.V.; Tsybulya, L.A. Dokl. Akad. Nauk BSSR; 13: No. 6, 545-6(1969).
USSR;SALT DEPOSITS;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;TEMPERATURE DISTRIBUTION; HEAT FLOW

2531 GEOTHERMAL AND GEOPHYSICAL PROSPECTING IN THE INVESTIGATION OF GEOTHERMAL FIELDS OF TUSCANY, ITALY. Mouton, J. Bull. Volcanol.; 33: No. 1, 165-90(1969).
ITALY;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS;HEAT FLOW

2532 SIMPLIFIED VARIANT OF METHODS OF CORRELATING SEISMIC OBSERVATIONS IN BOREHOLES. Rudakov, A.G. Uch. Zap. Leningr. Gos. Univ., Ser. Fiz. Geol. Nauk; No. 346, 19, 51-60(1969).
BOREHOLES;SEISMIC SURVEYS;MEASURING METHODS; CORRELATIONS

2533 THERMAL AND SEISMIC INDICATIONS OF OLD FAITHFUL GEYSER'S INNER WORKINGS. Rinehart, J.S. (Environmental Science Services Administration, Boulder, CO. Research Labs.). J. Geophys. Res.; 74: No. 2, 566-73(Jan 1969).
YELLOWSTONE NATIONAL PARK;OLD FAITHFUL GEYSER;THERMAL WATERS;BOILING;SUPERHEATING; TEMPERATURE DISTRIBUTION;SEISMIC SURVEYS;DATA

2534 NEW THERMAL ANOMALIES IN THE IMPERIAL VALLEY OF CALIFORNIA. Rex, R.W.; Randall, W. Trans. Am. Geophys. Union; 50: 348(Apr 1969).
CALIFORNIA;IMPERIAL VALLEY;GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS;HEAT FLOW

2535 EXPLORATION FOR MINERAL RESOURCES. Kottlowski, F.E.; Foster, R.W. N. Mex., Bur. Mines Miner. Resour. Circ. 101. N. Mex. Bur. Mines (Jun 1969). 126p.
NEW MEXICO;GEOTHERMAL RESOURCES;MINERALS; RECOVERY;GEOPHYSICAL SURVEYS;EXPLORATION;TRACE AMOUNTS;MINERAL RESOURCES

2536 GEOTHERMAL HEAT FLOW PROBE FOR IN SITU MEASUREMENT OF BOTH TEMPERATURE GRADIENT AD THERMAL CONDUCTIVITY. Christoffel, D.A.; Calhaem, I.M. (Victoria Univ., Wellington, New Zealand). J. Sci. Instrum.; 2, Ser. 2: No. 6, 457-65(Jun 1969).
HEAT FLOW;TEMPERATURE GRADIENTS;THERMAL CONDUCTIVITY;SEDIMENTS;MEASURING INSTRUMENTS

2537 OPERATIONAL AIRBORNE THERMAL IMAGING SURVEYS. Stingelin, R.W. Geophysics; 34: No. 5, 760-71(Oct 1969).
GEOPHYSICAL SURVEYS;INFRARED SURVEYS;REMOTE SENSING;AERIAL MONITORING

2538 RAPID HEAT-FLOW SURVEYING OF GEOTHERMAL AREAS, UTILIZING INDIVIDUAL SNOWFALLS AS CALORIMETERS. White, D.E. (US Geol. Surv., Menlo Park, CA). J. Geophys. Res.; 74: No. 22, 5191-201(15 Oct 1969).
Old Faithful geyser. GEOPHYSICAL SURVEYS; SNOW;CALORIMETRY;CALIFORNIA;GEYSERS;GEOTHERMAL FIELDS;HEAT TRANSFER

2539 ON IR IMAGERY AND ITS APPLICATION TO THE MAPPING OF GEOTHERMAL DISTRIBUTIONS. Matsuno, K.; Hase, H.; Nishimura, K. (Geological Survey of Japan, Kawasakishi). Photogrammetria; 25: No. 2/3, 61-74(Dec 1969).
INFRARED SURVEYS;DISTRIBUTION;GEOTHERMAL FIELDS;EXPLORATION;IMAGES;JAPAN;GEOTHERMAL RESOURCES

2540 HEAT FLOW STUDIES IN THERMAL AREAS OF THE NORTH ISLAND OF NEW ZEALAND. Dawson, G.B.; Dickinson, D.J. (Geophysics Div., Dept. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 466-73(1970).
HEAT TRANSFER;GEOTHERMAL FIELDS;INFRARED SURVEYS;THERMAL CONDUCTION;CONVECTION;HEAT FLOW; NATURAL STEAM;THERMAL WATERS;FUMAROLES; MONITORING;NEW ZEALAND

2541 HEAT FLOW ALONG THE CANDELARO FAULT, GARGANO HEADLAND (ITALY). Mongelli, F. (Inst. of Geodesy and Geophysics, Bari Univ., Italy); Ricchetti, G. Geothermics; No. 2, 450-8(1970).
ITALY;GEOLOGIC FAULTS;TEMPERATURE GRADIENTS; ROCKS;THERMAL CONDUCTIVITY;HEAT TRANSFER; GEOPHYSICAL SURVEYS;HEAT FLOW;GEOTHERMAL EXPLORATION;GROUND WATER;GEOTHERMAL RESOURCES

2542 INFRARED REMOTE SENSING OF THERMAL GROUND IN THE TAUPO REGION, NEW ZEALAND. Hochstein, M.P.; Dickinson, D.J. (Geophysics Div., D.S.I.R., Wellington, New Zealand). Geothermics; No. 2, 420-3(1970).
INFRARED RADIATION;NEW ZEALAND;GEOTHERMAL FIELDS;INFRARED SURVEYS;HEAT FLOW;AERIAL PROSPECTING;MAPS;MEASURING INSTRUMENTS; GEOPHYSICAL SURVEYS

2543 GROUND AND AIRBORNE THERMAL IMAGERY ON ITALIAN VOLCANIC AREAS. Cassinis, R.; Marino, C.M.; Tonelli, A.M. (Laboratorio per la Geofisica della Litosfera del C.N.R., Milano, Italy). Geothermics; No. 2, 413-19(1970).
Quantitative approach, instruments. ITALY; VOLCANOES;INFRARED RADIATION;VOLCANIC REGIONS; INFRARED SURVEYS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS;EQUIPMENT

2544 AERIAL INFRARED SURVEYS OF REYKJANES AND TORFAJOKULL THERMAL AREAS, ICELAND, WITH A SECTION ON COST OF EXPLORATION SURVEYS. Palmason, G. (National Energy Authority, Reykjavik, Iceland; Friedman, J.D.; Williams, R.S., Jr.; Jonsson, J.; Saemundsson, K. Geothermics; No. 2, 399-412(1970).
INFRARED SURVEYS;GEOTHERMAL EXPLORATION;COST; ICELAND;GEOTHERMAL RESOURCES;TECTONICS;MAPS; DISTRIBUTION;GEOLOGY;ECONOMICS;HEAT TRANSFER; DATA PROCESSING;EQUIPMENT;MEASURING INSTRUMENTS; GEOPHYSICAL SURVEYS

2545 PHOTOGEOLOGIC AND THERMAL INFRARED RECONNAISSANCE SURVEYS OF THE IOS NEGRITOS-IXTLAN DE LOS HERVORES GEOTHERMAL AREA, MICHOACAN, MEXICO. Valle, R.G. (Comision Federal de Electricidad, Mexico, D.F., Mexico); Friedman, J.D.; Gawarecki, S.J.; Banwell, C.J. Geothermics; No. 2, 381-98(1970).
INFRARED SPECTRA;PHOTOGRAPHY;MEXICO; GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; INFRARED SURVEYS;GEOLOGICAL SURVEYS;EXPLORATION; GEOTHERMAL FIELDS;TECTONICS;VOLCANIC ROCKS;HOT SPRINGS;HEAT TRANSFER;THERMAL WATERS; GEOPHYSICAL SURVEYS

2546 NEAR-SURFACE RESISTIVITY SURVEYS OF GEOTHERMAL AREAS USING THE ELECTROMAGNETIC METHOD. Lumb, J.T.; MacDonald, W.J.P. (Geophysics Div., Dept. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 311-7(1970).
Horizontal coplanar loop technique. ELECTRICAL SURVEYS;GEOTHERMAL FIELDS;MAGNETIC SURVEYS;GEOTHERMAL EXPLORATION;NEW ZEALAND; CHILE;ELECTRIC CONDUCTIVITY;GEOTHERMAL RESOURCES;THERMAL WATERS;ELECTROMAGNETIC SURVEYS;EL TATIO GEOTHERMAL FIELD;BROADLANDS GEOTHERMAL FIELD

2547 D.C. RESISTIVITY SURVEYS OF THE BROADLANDS GEOTHERMAL REGION, NEW ZEALAND. Risk, G.F.; MacDonald, W.J.P.; Dawson, G.B. (Geophysics Div., Dept. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 287-94(1970).
Wenner method. BROADLANDS GEOTHERMAL FIELD; NEW ZEALAND;ELECTRICAL SURVEYS;THERMAL WATERS; ROCKS;ELECTRIC CONDUCTIVITY

2548 CONTRIBUTION OF GEOPHYSICS TO STUDY OF A GEOTHERMAL REGION OF DENIZLI--SARAYKOY, TURKEY. Duprat, A. (Compagnie Generale de Geophysique, Dept. des Etudes de Subsurface, Massy, France). Geothermics; No. 2, 275-86(1970).
TURKEY;GEOPHYSICS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS; DRILLING;VOLCANIC ROCKS;ELECTRICAL SURVEYS; GRAVITATIONAL FIELDS;TECTONICS;TEMPERATURE GRADIENTS;BOREHOLES;GEOLOGY;GEOTHERMAL RESOURCES;GEOTHERMAL FIELDS

2549 INDUCTION METHODS IN PROSPECTING FOR HOT WATER. Keller, G.V. (Colorado Sch. of Mines, Golden, CO). Geothermics; No. 2, 318-32(1970).
THERMAL WATERS;ELECTRICAL SURVEYS;GEOTHERMAL EXPLORATION;PROSPECTING;ELECTRIC CONDUCTIVITY; GROUND WATER;SURFACE WATERS;ELECTROMAGNETIC RADIATION;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;INDUCTION

2550 STUDY OF UNDERGROUND STRUCTURE AND GEOPHYSICAL STATE IN GEOTHERMAL AREAS BY SEISMIC EXPLORATION. Hayakawa, M. (Coll. of Marine Sciences and Technology, Tokai Univ., Japan). Geothermics; No. 2, 347-57(1970).
SEISMIC SURVEYS;GEOTHERMAL FIELDS;GEOLOGY; GEOTHERMAL EXPLORATION;JAPAN;GEOPHYSICAL SURVEYS;UNDERGROUND;VOLCANOES

2551 APPLICATION OF REMOTE SENSING TO GEOTHERMAL PROSPECTING. Hodder, D.T. (Advanced Programs, Space Div., North Amer. Rockwell Corp., Downey, CA). Geothermics; No. 2, 368-80(1970).
GEOTHERMAL RESOURCES;EXPLORATION;GEOPHYSICAL SURVEYS;RADIANT HEAT TRANSFER;MAPS;INFRARED RADIATION;PHOTOGRAPHY;INFRARED SPECTRA; CALIFORNIA;INFRARED SURVEYS;GEOTHERMAL EXPLORATION;REMOTE SENSING

2552 SUPERHEATING OF GEOTHERMAL STEAM. Sestini, G. (ENEL, Direzione Studi e Ricerche, Roma, Italy). Geothermics; No. 2, 622-48(1970).
Evolution of field, steam output.
SUPERHEATING;GEOTHERMAL RESOURCES;GASES; VARIATIONS;PRESSURE MEASUREMENT;DRILLING;ITALY; NATURAL STEAM;DRY-STEAM SYSTEMS;LARDERELLO GEOTHERMAL FIELD

2553 SEISMIC, GRAVITY AND MAGNETIC STUDIES, BROADLANDS GEOTHERMAL FIELD, NEW ZEALAND. Hochstein, M.P.; Hunt, T.M. (Geophysics Div., Dept. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 333-46(1970).
NEW ZEALAND;SEISMIC SURVEYS;MAGNETIC SURVEYS; REFRACTION;GRAYWACKE;BROADLANDS GEOTHERMAL FIELD;VOLCANIC ROCKS;IGNEOUS ROCKS; GRAVITATIONAL FIELDS;GEOPHYSICAL SURVEYS; GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

2554 GEOTHERMAL GRADIENT AND HEAT FLOW IN THE RADICOFANI REGION (EAST OF MONTE AMIATA, ITALY). Burgassi, P.D. (CNR, Istituto Internazionale per le Ricerche Geotermiche, Pisa, Italy); Ceron, P.; Ferrara, G.C.; Sestini, G.; Toro, B. Geothermics; No. 2, 443-9(1970).
GEOTHERMAL EXPLORATION;HEAT FLOW;ITALY; GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT; THERMAL CONDUCTIVITY

2555 TEMPERATURE IN AN INSULATED SLAB HEATED BY A PLANE SOURCE: APPLICATION TO THERMAL CONDUCTIVITY MEASUREMENTS OF ROCKS. Loddo, M. (Istituto di Geodesia e Geofisica, Univ. di Bari, Italy). Geothermics; No. 2, 437-42(1970).
THERMAL CONDUCTION;ROCKS;THERMAL CONDUCTIVITY;SLABS;THERMAL INSULATION;EQUATIONS

2556 HEAT-FLOW MEASUREMENT IN NON-HOMOGENEOUS TERRAINS: ITS APPLICATION TO GEOTHERMAL AREAS. Sestini, G. (ENEL - Direzione Studi e Ricerche, Roma, Italy). Geothermics; No. 2, 424-36(1970).
Flysch terrains, Italy. HEAT FLOW;GEOTHERMAL FIELDS;BOREHOLES;SEDIMENTARY ROCKS;LIMESTONE; CLAYS;TEMPERATURE GRADIENTS;LITHOLOGY;SHALES; ELECTRIC CONDUCTIVITY;MEASURING METHODS;ROCK DRILLING;GEOTHERMAL EXPLORATION;ITALY; GEOTHERMAL RESOURCES

2557 GEOTHERMAL INFRARED ANOMALIES OF LOW INTENSITY, YELLOWSTONE NATIONAL PARK. White, D.E.; Miller, L.D. (NASA). pp 16-1--16-4 of Earth resources aircraft program status review. Houston; Manned Spacecraft Center (1970).
From Geology, geography, and sensor studies; Houston, TX (1970).
GEOTHERMAL EXPLORATION;YELLOWSTONE NATIONAL PARK;HEAT FLOW;GEOTHERMAL GRADIENTS;INFRARED SURVEYS

2558 HEAT-TRANSFER MEASUREMENT IN THE OWAKUDANI AND SOUNZAN GEOTHERMAL AREAS, HAKONE VOLCANO. Yuhara, K. (National Res. Cent. for Disaster Prevention, Tokyo, Japan). Geothermics; Special Issue 2: 1280-8(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HEAT TRANSFER;GEOTHERMAL FIELDS;JAPAN; THERMAL CONDUCTION;FUMAROLES;HOT SPRINGS; EVAPORATION;VOLCANOES;FLUID FLOW;MASS TRANSFER

2559 TERRESTRIAL HEAT FLOW IN THE TERRITORY OF CZECHOSLOVAKIA AND THE MEASUREMENT OF THERMAL CONDUCTIVITY WITH FULLY-AUTOMATIC APPARATUS. Kresl, M. (Geophysical Inst., Czech. Academy of Science, Prague, Czech.); Novak, V. (Inst. Applied Geophysics, Brno. Dept. Prague, Podbelohorska 47, Prague 5, Czechoslovakia). Geothermics; Special Issue 2: 1261-5(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
CZECHOSLOVAKIA;THERMAL CONDUCTIVITY; BOREHOLES;TEMPERATURE MEASUREMENT;TEMPERATURE GRADIENTS;ROCKS;THERMAL CONDUCTION;GEOTHERMAL FIELDS;HEAT TRANSFER

2560 GEOPHYSICAL EXPLORATION THROUGH GEOLOGIC COVER. Strangway, D.W. (45 Freemont St., Lexington, MA). Geothermics; Special Issue 2: 1231-43(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; ELECTRICAL PROPERTIES;GEOLOGY;VOLCANIC ROCKS; BASALT;GEOTHERMAL FIELDS

2561 SOME GEOTHERMAL MEASUREMENTS AT THE OTAKE GEOTHERMAL AREA. Fukuda, M.; Ushijma, K. (Res. Inst. of Ind. Sci., Kyushu Univ., Faculty of Mining Engineering, Kyushu, Japan); Aosaki, K.; Yamamuro, N. (Kyushu Electric Power Co., Ltd., Kyushu, Japan). Geothermics; Special Issue 2: 1448-57(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
OTAKE GEOTHERMAL FIELD;GEOTHERMAL GRADIENTS; THERMAL CONDUCTIVITY;ROCKS;FUMAROLES;HEAT TRANSFER;HOT SPRINGS;BOREHOLES;DRILL CORES

2562 TEMPERATURE SURVEY IN THE TAKINOUE GEOTHERMAL AREA, IWATE PREFECTURE. Fujikura, K.; Yanagihara, C.; Nakagawa, T.; Noguchi, K.; Okubo, T. Jap. Geol. Survey Bull.; 21: No. 2, 53(133)-74(154)(1970). (In Japanese with English abstract).
JAPAN;GEOTHERMAL FIELDS;BOREHOLES; TEMPERATURE MEASUREMENT;GEOLOGIC FAULTS; GEOTHERMAL EXPLORATION

2563 GEOTHERMAL INVESTIGATION OF SHIKABE DISTRICT, OSHIMA PROVINCE. Hayakawa, F.; Yokoyama, E.; Wake, T. Hokkaido Geol. Survey Report; No. 41, 35-49(1970). (In Japanese with English abstract).
ELECTRICAL SURVEYS;MAGNETIC SURVEYS; GEOLOGICAL SURVEYS;GEOTHERMAL EXPLORATION;JAPAN; BOREHOLES;THERMAL WATERS;NATURAL STEAM; GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS

2564 ROCK THERMAL CONDUCTIVITY MEASURED BY A HEAT ABSORBING LONG CYLINDRICAL PROBE. De Marco, A.; Sestini, G. (Ente Nazionale per l'Energia Elettrica, Rome). Tectonophysics; 10: 51-65(1970).
THERMAL CONDUCTIVITY;ROCKS;PROBES;ANALYTICAL SOLUTION;LAPLACE TRANSFORMATION;MEASURING METHODS

2565 ATTEMPT TO DETERMINE HEAT FLOW USING SHALLOW BORE-HOLES. Moiseenko, U.I.; Duchkov, A.D.; Sokolova, L.S. (Institut fuer Geologie und Geophysik, Novosibirsk, USSR). Tectonophysics; 10: 89-94(1970). (In Russian).

HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT; THERMOMETERS;THERMAL CONDUCTIVITY;ELECTRIC CONDUCTIVITY;ROCKS;COPPER;USSR;GEOPHYSICAL SURVEYS

2566 HEAT FLOW STUDIES IN THE GODAVARI VALLEY (INDIA). Rao, R.U.M.; Verma, R.K.; Rao, G.V.; Hamza, V.M.; Panda, P.K.; Gupta, M.L. (National Geophysical Research Inst., Hyderabas, India). Tectonophysics; 10: 165-181(1970).
INDIA;HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT;GEOPHYSICAL SURVEYS

2567 PROBE RESPONSE AND CONTINUOUS TEMPERATURE MEASUREMENTS. Costain, J.K. J. Geophys. Res.; 75: No. 20, 3969-75(1970).
TEMPERATURE MEASUREMENT;ELECTRIC PROBES; PERFORMANCE;BOREHOLES;THERMAL CONDUCTIVITY; PLATINUM;TRANSDUCERS;STRATIGRAPHY;ELECTRICAL SURVEYS;GEOPHYSICAL SURVEYS;TEMPERATURE GRADIENTS

2568 DEPENDENCE OF HEAT CONDUCTIVITY OF THE CLASTIC ROCKS OF THE WEST SIBERIAN LOWLAND ON OTHER PHYSICAL PARAMETERS. Moiseyenko, U.I.; Doroginitskaya, L.M.; Leont'yev, Ye.I.; Sokolova, L.S. Geophys. Geol. (Leipzig); No. 15, 43-7(1970). (With German summary).
THERMAL CONDUCTIVITY;ROCKS;DENSITY;ELECTRIC CONDUCTIVITY;POROSITY;GEOPHYSICAL SURVEYS;USSR

2569 AIRBORNE INFRARED SCANNER AS A GEOPHYSICAL RESEARCH TOOL. Friedman, J.D. Opt. Spectra; 4: No. 6, 35-44(1970).
REMOTE SENSING;INFRARED SURVEYS;GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS;HEAT TRANSFER; ENVIRONMENT;MEASURING INSTRUMENTS

2570 INVESTIGATION OF GEOTHERMAL RESOURCES IN THE IMPERIAL VALLEY AND THEIR POTENTIAL VALUE FOR DESALINATION OF WATER AND ELECTRICITY PRODUCTION. Meidav, T.; Rex, R.W. Technical Report No. 3. Univ. California, Riverside; Inst. Geophys., Planetary Phys. (1970). 54p.
IMPERIAL VALLEY;GEOTHERMAL RESOURCES; DESALINATION;POWER GENERATION;HEAT FLOW; ELECTRICAL SURVEYS;GRAVITY SURVEYS;SEISMIC SURVEYS;DRY-STEAM SYSTEMS;GEOTHERMAL GRADIENTS; GEOLOGIC FAULTS;GEOPHYSICAL SURVEYS

2571 FAST METHOD FOR DETERMINING THE LAYER DISTRIBUTION FROM THE RAISED KERNEL FUNCTION IN GEOELECTRICAL SOUNDING. Koefoed, O. Geophys. Prosp.; 18: No. 4, 564-70(1970).
LAYERS;ELECTRICAL SURVEYS;DATA PROCESSING; MEASURING METHODS;KERNELS;FUNCTIONS;ELECTRIC CONDUCTIVITY

2572 NEW GEOPHYSICAL EXPLORATION TOOL UNDER DEVELOPMENT. Labounsky, A. Eng. Min. J.; 171: No. 5, 80-2(1970).
GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS; ELECTROCHEMISTRY;MEASURING METHODS;POLARIZATION

2573 DETAILED GEOPHYSICAL STUDIES ON THE HAWAIIAN ARCH NEAR 24°25'N, 157°40'W. Sclater, J.G.; Mudie, J.D.; Harrison, C.G.A. J. Geophys. Res.; 75: No. 2, 333-48(1970).
HAWAII;COASTAL WATERS;HEAT FLOW;SEDIMENTS; GEOPHYSICAL SURVEYS

2574 PROSPECTING BY THE GEOTHERMIC METHOD. Kremar, B.; Masin, J. Geophys. Prosp. (Neth.); 18: No. 2, 255-60(1970).
GROUND WATER;PROSPECTING;GEOLOGIC DEPOSITS; TEMPERATURE MEASUREMENT;THERMISTORS;PERFORMANCE; HYDROLOGY;GEOLOGY;THERMAL WATERS;THERMOMETERS; GEOPHYSICAL SURVEYS

2575 INTEGRATED ENGINEERING-GEOPHYSICAL AND HYDROGEOLOGIC INVESTIGATION. Kakas, K.; Josa, E.; Raner, G.; Szabadvary, L. Magy. Allami Eotvos Lorand Geofiz. Int. Evi Jelentese; 1969: 49-63(1970). (English and Russian translations).
HUNGARY;GEOPHYSICAL SURVEYS;SEISMIC SURVEYS; ELECTRICAL SURVEYS;GRAVITY SURVEYS;THERMAL WATERS;PROSPECTING

2576 METHOD OF INTERPRETING REGIONAL GEOPHYSICAL SURVEYS BY MEANS OF ELECTRONIC COMPUTERS. Litwinienko, O. Kwart. Geol.; 14: No. 1, 189-99(1970). (Russian and English abstracts).
GEOPHYSICAL SURVEYS;DATA PROCESSING; COMPUTERS

2577 INTERPRETATION OF GEOTHERMAL DATA USING THE SOUTHERN ARAL BASIN AREA AS AN EXAMPLE. Grebenshchikova, T.B.; Suchkova, V.L.; Pichugin, N.I. Uzb. Geol. Zh.; No. 4, 48-52(1970).
USSR;BOREHOLES;TEMPERATURE MEASUREMENT; GEOTHERMAL GRADIENTS;THERMAL WATERS;PROSPECTING

2578 REVIEW OF RED SEA HEAT FLOW (IN DISCUSSION ON THE STRUCTURE AND EVOLUTION OF THE RED SEA AND THE NATURE OF THE RED SEA, GULF OF ADEN, AND ETHIOPIA RIFT JUNCTIONS). Girdler, R.W. Trans. Roy. Soc. London Philos.; 267: No. 1181, 191-203(1970).
RED SEA;HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT;SEDIMENTS;SANDSTONES;SHALES

2579 ELECTRICAL PROSPECTING METHODS FOR STUDYING THERMAL WATER DEPOSITS. Zaitsev, I.M. Vopr. Razved. Geofiz.; No. 10, 75-80(1970). (In Russian).
USSR;THERMAL WATERS;GEOLOGIC DEPOSITS; ELECTRICAL SURVEYS;ROCKS;POROSITY;ABUNDANCE; PROSPECTING;GEOTHERMAL EXPLORATION

2580 SOME PROBLEMS OF DEEP ELECTRICAL SOUNDING PROCEDURE. Nazarenko, O.V. pp 65-77 of Morskaya geologiya i geofizika. Riga; Ministerstvo Geologii SSSR Vses. Nauch.-Issled. Inst. Morskoy Geologii i Geofiziki (Izdatel'stvo "Zinatne" (1970). (English summary)
ELECTRICAL SURVEYS;MEASURING METHODS;DIPOLES

2581 ALL-UNION SEMINAR, "TEST, RESULTS, AND PROSPECTS OF THE USE OF VERTICAL SEISMIC PROFILING (VSP) FOR THE PURPOSE OF ENHANCING THE EFFECTIVENESS OF SEISMIC SURVEYING". Galperin, Ye.I. Izv. Akad. Nauk SSSR, Fiz. Zemli; No. 11, 107-9(1970).
SEISMIC SURVEYS;REVIEWS;PROSPECTING; BOREHOLES;WELL LOGGING

2582 APPARATUS FOR GEOPHYSICAL WELL INVESTIGATIONS. Komarov, S.G. Geofiz. App.; No. 42, 78-87(1970).
WELL LOGGING;GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS;REVIEWS

2583 GEOMAGNETIC DEEP SOUNDING AND UPPER MANTLE IN THE WESTERN UNITED STATES. Reitzel, J.S.; Gough, D.I.; Porath, H.; Anderson, C.W.,

3rd. Geophys. J. R. Astron. Soc.; 19: No. 3, 213-35(1970).
ROCKY MOUNTAINS;UTAH;MAGNETIC SURVEYS; COLORADO PLATEAU;GEOLOGIC STRATA;HEAT FLOW; EARTH MANTLE

2584 SEPARATION OF MAGNETIC VARIATION FIELDS AND CONDUCTIVE STRUCTURES IN THE WESTERN UNITED STATES. Porath, H.; Oldenburg, D.W.; Gough, D.I. Geophys. J. R. Astron. Soc.; 19: No. 3, 237-60(1970).
USA;MAGNETIC SURVEYS;MAGNETIC FIELDS; VARIATIONS;GEOLOGIC STRATA

2585 CHOLAME AREA, SAN ANDREAS FAULT ZONE, CALIFORNIA, A STUDY IN SLAR. Wing, R.S. Mod. Geol.; 1: No. 3, 173-86(1970).
CALIFORNIA;GEOLOGIC FAULTS;REMOTE SENSING; RADAR;PHOTOGRAPHY;COMPARATIVE EVALUATIONS

2586 YESTERDAY, TODAY, AND TOMORROW IN SEISMIC EXPLORATION (IN EXPLORATION CONCEPTS FOR THE SEVENTIES). Mateker, E.J., Jr. Trans., Gulf Coast Assoc. Geol. Soc.; 20: 129-32(1970).
SEISMIC SURVEYS;LITHOLOGY;GEOLOGY;DATA PROCESSING;EXPLORATION

2587 CONTROLLED-SOURCE TELLURIC CURRENT TECHNIQUE AND ITS APPLICATION TO STRUCTURAL INVESTIGATIONS. Furgerson, R.B.` Mines Mag.; 60: No. 6, 13-14(1970).
ELECTRICAL SURVEYS;MEASURING METHODS; ELECTRICAL EQUIPMENT;OPERATION;CONFIGURATION

2588 SOME FORMULAS USEFUL IN THE INTERPRETATION OF GRAVITATIONAL AND MAGNETIC PROFILES. Milcoveanu, D. Geophysics; 35: No. 1, 66-79(1970).
GRAVITY SURVEYS;MAGMA;MATHEMATICAL MODELS

2589 EFFICIENT METHOD OF MEASURING THE PHASE PARAMETER IN TWO-FREQUENCY ELECTRICAL SURVEYING. Vishnyakov, A.E.; Malyarevskiy, K.V.; Savin, A.P. Geofiz. App.; No. 43, 57-8(1970).
ELECTRICAL SURVEYS;PHASE SHIFT;SIGNALS; OPERATION;MEASURING METHODS

2590 NEW THERMAL ANOMALY AREA IN THE FERGANA DEPRESSION. Zuyev, Yu.N.; Tal'Virskiy, B.B.; Firsov, F.V. Dokl. Akad. Nauk SSSR; No. 7, 43-5(1970).
HEAT FLOW;BOREHOLES;USSR;GEOTHERMAL GRADIENTS;GEOTHERMAL EXPLORATION

2591 MINIATURIZED DIGITAL DATA ACQUISITION SYSTEM FOR HIGH RESOLUTION MAGNETOMETER SURVEYING. Sawatzky, P. Canada Geological Survey Paper 70-59. Canada; Canada Geol. Surv. (1970). 95p.
AERIAL PROSPECTING;MAGNETIC SURVEYS;DIGITAL SYSTEMS;DATA ACQUISITION;MAGNETOMETERS; RESOLUTION

2592 GRAVIMETRIC SURVEY OF THE MEXICALI GEOTHERMAL ZONE, BAJA CALIFORNIA. Velasco Hernandez, J. Mexico Consejo Recursos Nat. no Renovables Bol. 74. Mexico; Mexico Consejo Recursos Nat. no Renovables (1970). 19p.
MEXICO;GEOTHERMAL FIELDS;GEOLOGY;GRAVITY SURVEYS;GEOTHERMAL EXPLORATION;GEOLOGIC FAULTS; SEDIMENTARY ROCKS;BOREHOLES;DATA

2593 ELECTRICAL RESISTIVITY SOUNDING WITH AN L-SHAPED ARRAY. Zohdy, A.A.R. pp C1-C20 of US Geological Survey Bulletin 1313-C. Washington, DC; US Geol. Surv. (1970).
EARTH CRUST;ELECTRIC CONDUCTIVITY;ELECTRICAL SURVEYS;ELECTRODES;SPATIAL DISTRIBUTION; MEASURING METHODS;RELIABILITY

2594 ELECTROMAGNETIC DEPTH SOUNDER. Inouye, G.T.; Bernstein, H.; Gaal, R.A. IEEE Trans. Geosci. Electron.; GE-8: No. 4, 336-43(1970).
GROUND WATER;DEPTH;EXPLORATION; ELECTROMAGNETIC SURVEYS;GEOLOGIC DEPOSITS; ELECTRIC CONDUCTIVITY;CALIFORNIA;GEOLOGY; HYDROLOGY;RELIABILITY;MEASURING INSTRUMENTS

2595 GLOBAL VARIATIONS OF TERRESTRIAL HEAT-FLOW (IN GEOPHYSICAL STUDIES ON THE EVOLUTION OF THE EARTH'S DEEP INTERIOR - A SYMPOSIUM, MADRID, 1969, PROCEEDINGS). Lee, W.H.K. Phys. Earth Planet. Inter.; 2: No. 5(Spec. Issue), 332-41(1970).
EARTH PLANET;EARTH CRUST;HEAT FLOW;DATA COMPILATION;GEOPHYSICS;TECTONICS

2596 HEAT FLOW IN THE CARIBBEAN AND GULF OF MEXICO. Epp, D.; Grim, P.J.; Langseth, M.G., Jr. J. Geophys. Res.; 75: No. 29, 5655-69(1970).
CARIBBEAN SEA;GULF OF MEXICO;SEDIMENTS;HEAT FLOW;TEMPERATURE GRADIENTS

2597 HEAT FLOW FROM DEEP BOREHOLES IN TWO ISLAND ARCS. Sass, J.H.; Munroe, R.J. J. Geophys. Res.; 75: No. 23, 4387-95(1970).
AMCHITKA ISLAND AREA;PHILIPPINES;HEAT FLOW; RADIOACTIVITY;RADIATION MONITORING;DATA; BOREHOLES;TEMPERATURE MEASUREMENT

2598 PROCEDURE OF UNDERGROUND GEOTHERMAL INVESTIGATIONS ON ORE DEPOSITS. Lakhtionov, M.O. Razved. Okhr. Nedr; No. 12, 35-9(1970).
UNDERGROUND;BOREHOLES;WELL DRILLING; TEMPERATURE MEASUREMENT

2599 INVESTIGATION OF DEEP ELECTRICAL CONDUCTIVITY. Rokityanskiy, I.I. Geofiz. Sb., Akad. Nauk Ukr. SSR, Inst. Geofiz.; No. 38, 102-6(1970). (English summary).
Magnetotelluric methods. ELECTRIC CONDUCTIVITY;USSR;ELECTROMAGNETIC SURVEYS

2600 PROBLEMS OF COMPILING MAPS OF THE DEPTH OF THE TOP OF THE INTERMEDIATE CONDUCTING LAYER IN EASTERN GEORGIA. Gugunava, G.Ye. Soobshch. Akad. Nauk Gruz. SSR; 59: No. 3, 573-6(1970).
Magnetotelluric sounding. LAYERS;SURFACES; DEPTH;MAPS;USSR;ELECTRIC CONDUCTIVITY; ELECTROMAGNETIC SURVEYS

2601 THEORETICAL ASPECTS OF ELECTROMAGNETIC INDUCTION METHODS. Fanselau, G. Acta Geod., Geophys. Montanistica; 5: No. 3-4, 423-8(1970).
Magnetotelluric surveys. MATHEMATICS; INDUCTION;DEPTH;ELECTROMAGNETIC SURVEYS

2602 APPLICATIONS FOR BOREHOLE GEOPHYSICS IN GEOPHYSICAL EXPLORATION. Pickett, G.R. Geophysics; 35: No. 1, 81-92(1970).
BOREHOLES;GEOPHYSICAL SURVEYS;WELL LOGGING; MEASURING METHODS

2603 HEAT FLOW MEASUREMENTS ON THE REYKJANES RIDGE. Horai, K.-I.; Chessman, M.; Simmons, G. Nature (London); 225: No. 5229, 264-5(1970).
HEAT FLOW;TOPOGRAPHY;ICELAND

2604 HEAT FLOW WEST OF THE JUAN DE FUCA RIDGE. Lister, C.R.B. J. Geophys. Res.; 75: No. 14, 2648-54(1970).
HEAT FLOW;PACIFIC OCEAN;VARIATIONS; DISTRIBUTION;GEOPHYSICAL SURVEYS;CANADA

2605 SUGGESTED METHOD FOR SUBSURFACE TESTING BY ELECTRICAL RESISTIVITY MEASUREMENTS. VanZelst, T.W. pp 32-5 of Special procedures for testing soil and rock for engineering purposes (5th Edition; Spec. Tech. Pub. 479). Amer. Soc. Test. Mater. (1970).
SOILS;ROCKS;ELECTRIC CONDUCTIVITY;MEASURING METHODS;MEASURING INSTRUMENTS;STRATIFICATION; MOISTURE;SALINITY;CONNATE WATER;ELECTRICAL SURVEYS

2606 RELATIONSHIPS BETWEEN EARTH STRAIN AND GEOTHERMAL ACTIVITY. Rinehart, J.S. Earthquake Notes; 41: No. 2, 6(1970).
GEOTHERMAL FIELDS;SEISMOLOGY;EARTH CRUST; STRAINS;DEFORMATION;GEOTHERMAL ENERGY;SEISMIC SURVEYS;EARTHQUAKES;YELLOWSTONE NATIONAL PARK; WYOMING;USA

2607 REMOTE SENSING WITH A THERMAL INFRARED SCANNER FOR GEOTHERMAL MAPPING. Sheppis, G. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEOTHERMAL EXPLORATION;INFRARED SURVEYS; REMOTE SENSING;GEYSERS GEOTHERMAL FIELD

2608 SEISMIC PROSPECTING IN GEOTHERMAL FIELD IN JAPAN. Ramirez, M.; Celis, J.R. de; Hayakawa, M. Bull. Int. Inst. Seismol. Earthquake Eng.; 7: 61-78(1970).
MATSUKAWA GEOTHERMAL FIELD;SEISMIC SURVEYS; GEOTHERMAL ENERGY;THERMAL WATERS;JAPAN; GEOPHYSICAL SURVEYS

2609 DETERMINING THE AMOUNT OF DEEP HEAT FLOW IN SEVERAL PARTS OF THE APSHERON OIL AND GAS REGION. Tsaturyants, A.B.; Shabanov, S.F.; Ter-Karapetyants, Zh.N. Dokl. Akad. Nauk Azerb. SSR; 26: No. 7, 45-8(1970).
USSR;GEOLOGIC DEPOSITS;PETROLEUM;HEAT FLOW; NATURAL GAS;GEOPHYSICAL SURVEYS

2610 DATA ON HEAT FLOW IN THE CRUST OF SOUTHWESTERN BYELORUSSIA. Bogomolov, Yu.G. Dokl. Akad. Nauk BSSR; 14: No. 1, 57-60(1970).
USSR;HEAT FLOW;GEOPHYSICAL SURVEYS; GEOTHERMAL ENERGY;THERMAL CONDUCTIVITY

2611 GEOTHERMAL STUDIES OF ORE DEPOSITS. Lakhtionov, M.O.; Tarkhov, A.G. Sov. Geol.; No. 3, 121-4(1970).
USSR;ORES;GEOLOGIC DEPOSITS;GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS;HEAT FLOW

2612 GEOTHERMAL CHARACTERISTICS OF THE HISSAR TROUGH. Krat, V.N.; Churshina, N.M. DANTA; 13: No. 11, 57-60(1970).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW; GEOTHERMAL GRADIENTS;GEOTHERMAL ENERGY

2613 THERMAL CONDITIONS IN THE CENTRAL PART OF THE KARAKUL DOWNWARP. Khalismatov, I. Uzb. Geol. Zh.; No. 4, 53-5(1970).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW; GEOTHERMAL GRADIENTS

2614 INTERPRETATION OF GEOTHERMAL DATA, NORTH OF THE ARAL SEA. Grebenshchikova, T.B.; Suchkova, V.L.; Pichugin, N.I. Uzb. Geol. Zh.; No. 4, 48-52(1970).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW; GEOTHERMAL GRADIENTS

2615 POSSIBILITY OF MEASURING OF GEOTHERMAL GRADIENTS IN SHALLOW DRILLHOLES. Duchkov, A.D.; Moiseyenko, U.I. Geol. Geofiz.; No. 9, 83-6(1970).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW; TEMPERATURE GRADIENTS;BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS

2616 DEPENDENCE OF TEMPERATURE ON THE SURFACE OF THE EARTH ON THE ALTITUDE OF THE OBSERVATION POINT. Duchkov, A.D. Geol. Geofiz.; No. 5, 119-21(1970).
USSR;HEAT FLOW;EARTH CRUST;GEOTHERMAL GRADIENTS;LEVELS;TEMPERATURE MEASUREMENT; GEOPHYSICAL SURVEYS

2617 GEOTHERMAL EXPLORATION IN THE SALTON TROUGH, CALIFORNIA. Meidav, T.; Rex, R.W. Geophysics; 35: No. 6, 1169(1970).
CALIFORNIA;SALTON SEA;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;HEAT FLOW

2618 APPLICATION OF GEOPHYSICS TO GEOTHERMAL AREAS IN MEXICO. Del Castillo G., L.; Sandoval O., J.H. Geophysics; 35: No. 6, 1168-9(1970).
MEXICO;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;GEOPHYSICAL SURVEYS

2619 GEOPHYSICAL CONTRIBUTIONS TO THE STUDY OF GEOTHERMAL ENERGY IN TURKEY. Kavlakoglu, S. Bull. Turk. Jeol. Kurumu; 13: No. 1, 14-43(1970).
TURKEY;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY

2520 NATURAL HEAT IN SOUNKYO DISTRICT OF MT. TAISETSU, KAMIKAWA PROVINCE (NO. 1). Wake, T.; Uchida, Y.; Suzuki, T.; Yokoyama, E.; Sako, S. Rep. Hokkaido Geol. Surv.; No. 41, 77-90(1970).
JAPAN;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;WELL LOGGING;GEOPHYSICAL SURVEYS; NATURAL STEAM;CHEMICAL COMPOSITION;GEOTHERMAL FIELDS

2621 GEOTHERMAL EXPLORATION IN THE SALTON TROUGH, CALIFORNIA. Meidav, T.; Rex, R.W. pp 119-20 of Searching the seventies, from Moho to Mars. New Orleans; Soc. Explor. Geophys. (1970).
CALIFORNIA;SALTON SEA;GEOTHERMAL EXPLORATION; GEOLOGY;GEOPHYSICAL SURVEYS;MINERAL RESOURCES; GEOTHERMAL FIELDS

2622 APPLICATION OF GEOPHYSICS TO GEOTHERMAL AREAS IN MEXICO. Del Castillo G., L.; Sandoval O., J.H. pp 118-19 of Searching the seventies, from Moho to Mars. New Orleans; Soc. Explor. Geophys. (1970).
MEXICO;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;GEOLOGY;MINERALS;GEOTHERMAL FIELDS

2623 ACTUAL PROOF OF COMPLEX RESISTIVITY METHOD BY AN INDOOR EXPERIMENT WITH A WATER TANK. Nakahara, T. Butsuri Tanko; 23: No. 1, 31-6(1970). (In Japanese with English abstract).
ELECTRICAL SURVEYS;SIMULATION;ELECTRIC CONDUCTIVITY;MEASURING METHODS;DATA;COMPARATIVE EVALUATIONS

2624 GEOPHYSICAL EXPLORATION, AN OUTINE OF THE PRINCIPAL METHODS USED IN THE SEARCH FOR MINERALS, OIL, GAS, AND WATER SUPPLIES. Dunning, F.W. London; United Kingdom of Great Britain and Northern Ireland (UK); Inst. Geol. Sci. Geol. Museum (1970). 70p.
GEOPHYSICAL SURVEYS;BOREHOLES;WELL LOGGING; PETROLEUM;NATURAL GAS;MEASURING METHODS;WATER RESERVOIRS

2625 EARTH'S CRUST AND HEAT FLOW IN THE FOSSA BRANDANICA, SOUTHERN ITALY. Mongelli, F.; Ricchetti, G. (Bari Univ., Italy). Tectonophysics; 10: 103-125(1970).
0.4 to 2.2 μ cal/cm²/sec. EARTH CRUST;HEAT FLOW;ITALY;BOREHOLES;CLAYS;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS

2626 TERRESTRIAL HEAT FLOW IN THE SEAS ROUND THE NANSEI SHOTO RYUKYU ISLANDS. Yasui, M. (Maizuru Marine Observatory, Japan); Epp, D.; Nagasaka, K.; Kishii, T. Tectonophysics; 10: 225-234(1970).
HEAT FLOW;JAPAN;SEAS;DISTRIBUTION

2627 HEAT FLOW IN THE PHILIPPINE SEA. Watanabe, T. (Univ. of Tokyo); Epp, D.; Uyeda, S.; Langseth, M.; Yasui, M. Tectonophysics; 10: vp(1970).
HEAT FLOW;PACIFIC OCEAN;PHILIPPINES

2628 HEAT FLOW IN KOREA. Mizutani, H. (Univ. of Tokyo); Baba, K.; Kobayashi, N.; Chang, C.C.; Lee, C.H.; Kang, Y.S. Tectonophysics; 10: 183-203(1970).
1.5 x 10^{-6} cal/cm²sec average. HEAT FLOW; VOLCANISM;REPUBLIC OF KOREA

2629 NEW DETERMINATIONS OF THE GEOTHERMAL FLOW IN FRANCE. Hentinger, R.; Jolivet, J. (Institut de Physique du Globe de Paris). Tectonophysics; 10: 127-146(1970).
FRANCE;HEAT FLOW;GEOPHYSICAL SURVEYS

2630 GEOTHERMAL INVESTIGATIONS IN SOME REGIONS OF WESTERN SIBERIA. Fotiadi, E.E.; Moiseenko, U.I.; Sokolova, L.S.; Duchkov, A.D. (Inst. of Geology and Geophysics, Novosibirsk, USSR). Tectonophysics; 10: 95-101(1970).
USSR;HEAT FLOW;EARTH CRUST;TEMPERATURE MEASUREMENT

2631 EFFECT OF ENVIRONMENT ON DIVIDED BAR MEASUREMENTS. Jessop, A.M. (Dominion Observatory, Ottawa). Tectonophysics; 10: 39-49(1970).
THERMAL CONDUCTIVITY;MEASURING METHODS; ERRORS;MEASURING INSTRUMENTS;HEAT FLOW;AIR; CALIBRATION;CONVECTION

2632 FURTHER STUDY OF THE CORRELATION OF HEAT FLOW WITH AGE OF BASEMENT ROCKS. Verma, R.K. (National Geophysical Research Inst., Hyderabad, India); Hamza, V.M.; Panda, P.K. Tectonophysics; 10: 301-320(1970).
HEAT FLOW;AGE ESTIMATION;ROCKS;CORRELATIONS; NORTH AMERICA;AUSTRALIA;POTASSIUM 40; RADIOACTIVITY;TABLES;DATA COMPILATION

2633 RELATIONSHIP OF HEAT FLOW, BOTTOM TOPOGRAPHY AND BASEMENT RELIEF IN PEAKE AND FREEN DEEPS, NORTHEAST ATLANTIC. Sclater, J.G. (Univ. of California, La Jolla, San Diego); Jones, E.J.W.; Miller, S.P. Tectonophysics; 10: 283-300(1970).
1.23 to 1.76 μcal/cm² sec. HEAT FLOW; TOPOGRAPHY;ATLANTIC OCEAN;SEA BED;SEDIMENTS

2634 HEAT FLOW, TEMPERATURE, AND ELECTRICAL CONDUCTIVITY OF THE CRUST AND UPPER MANTLE IN THE USSR. Lubimova, E.A.; Feldman, I.S. (Inst. of the Earth's Physics, Moscow). Tectonophysics; 10: 245-281(1970).
HEAT FLOW;USSR;ELECTRIC CONDUCTIVITY;EARTH CRUST;EARTH MANTLE;TEMPERATURE MEASUREMENT; OLIVINE;TEMPERATURE DISTRIBUTION;GEOPHYSICS

2635 EVALUATION OF GEOTHERMAL PROSPECTS AND THE OBJECTIVES OF GEOTHERMAL EXPLORATION. Bodvarsson, G. (Oregon State Univ., Corvallis). Geoexploration; 8: No. 1, 7-17(Mar 1970).
GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS; POWER GENERATION;GEOTHERMAL EXPLORATION; ELECTRIC POWER;FORECASTING;GEOTHERMAL ENERGY

2636 RELATIONSHIP AMONG TERRESTRIAL HEAT FLOW, THERMAL CONDUCTIVITY, AND GEOTHERMAL GRADIENT. Horai, K.-I.; Nur, A. (MIT, Cambridge, MA). J. Geophys. Res.; 75: No. 11, 1985-91(10 Apr 1970).
HEAT FLOW;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS;EARTH CRUST

2637 PROSPECTING BY THE GEOTHERMIC METHOD. Krcmar, B.; Masin, J. (Inst. of Applied Geophysics, Prague, Czechoslovakia). Geophys. Prospect; 18: No. 2, 255-60(Jun 1970).
THERMOMETERS;WATER RESOURCES;TEMPERATURE MEASUREMENT;DESIGN;THERMAL WATERS;THERMISTORS; SULFIDES

2638 NEW GEOPHYSICAL PROSPECTION METHOD. Aust. Min.; 62: No. 6, 82-3(Jun 1970).
GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS; MAGNETIC SURVEYS;SOILS;ELECTRIC CONDUCTIVITY; EXPLORATION;PROSPECTING;ELECTROMAGNETIC RADIATION;ELECTROMAGNETIC SURVEYS;MEASURING METHODS

2639 SURFACE HEAT FLOW FOR REMOTE SENSING OF GEOTHERMAL RESOURCES. Hase, H. (Geological Survey Japan, Kawasaki; Univ. Michigan). Proceedings of the 7th International Symposium on Remote Sensing of Environment, 17-21 May 1971, Univ. Michigan, Ann Arbor, MI. Ann Arbor, MI; Univ. Michigan (1971).
From 7. International Symposium on Remote Sensing of Environment; Ann Arbor, MI (17-21 May 1971).
HEAT FLOW;EQUATIONS;INFRARED SPECTRA; GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; INFRARED SURVEYS

2640 AIRBORNE RESISTIVITY MAPPING OF SURFICIAL GEOLOGY USING E-PHASE. McNeill, J.D.; Jagodits, F.L.; Middleton, R.S. (Soc. Exploration Geophysicists). pp 118 of 41st Annual International Meeting of the Society of Exploration Geophysicists; exploration today and energy tomorrow. Tulsa, OK; Soc.

Exploration Geophysicists (1971).
From 41. Annual International Meeting of the Society of Exploration Geophysicists; Houston, TX (7-11 Nov 1971).
ELECTRICAL SURVEYS;ELECTRIC CONDUCTIVITY; GEOPHYSICAL SURVEYS;ELECTRIC FIELDS;GEOLOGY; MEASURING METHODS;GEOLOGIC DEPOSITS;GROUND WATER

2641 DEEP STRUCTURE AND GEOTHERMAL CONDITIONS OF HUNGARY. Stegena, L. Ann. Univ. Sci. Budapest. Rolando Eotvos Nominatae, Sect. Geol.; 14: 153-9(1971).
HUNGARY;HEAT FLOW;TECTONICS;GEOLOGY;EARTH CRUST;EARTH MANTLE

2642 GEOTHERMAL MAP OF EASTERN EUROPE. Stegena, L. pp 23 of Symposium on heat flow, Volume 7. Moscow; Int. Union Geod. Geophys. (1971).
From 15. General Assembly of Int. Union Geod. Geophys.;
EUROPE;HEAT FLOW;GEOPHYSICAL SURVEYS;MAPS; TECTONICS;TEMPERATURE DISTRIBUTION

2643 CONSTRUCTION OF COMPLEX DIGITAL BOREHOLE APPARATUS AND SOME FIELDS OF APPLICATION. Barath, I.; Karas, G.; Sebestyen, K.; Vincze, J. Magy. Geofiz.; 12: No. 1, 28-38(1971).
BOREHOLES;DIGITAL SYSTEMS;RECORDING SYSTEMS; MEASURING INSTRUMENTS

2644 FIRST RESULTS OF GEOPHYSICAL AND GEOCHEMICAL EXPLORATION OF SUPER-DEEP BOREHOLES. Alekseyev, F.A.; Kukharenko, N.K.; Voytov, G.I.; Galkin, Yu.D. Sov. Geol.; No. 1, 63-71(1971).
BOREHOLES;WELL LOGGING;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;DEPTH

2645 TOWARD A UNIFIED THEORY OF REFLECTOR MAPPING. Claerbout, J.F. Geophysics; 36: No. 3, 467-81(1971).
SEISMIC SURVEYS;MAPS;DIFFRACTION;REFLECTION

2646 THERMOPHYSICAL PROPERTIES OF ROCKS FROM CERTAIN REGIONS IN WESTERN AND SOUTHERN TIEN-SHAN AND THE GEOTHERMAL CONDITIONS OF THE FERGANA DEPRESSION. Zuev, Yu. I.; Iskanderov, E.; Muminov, Sh. A. pp 82-110 of Glubinnoe Str. Zemnoi Kory Uzb. Geol.-Geofiz. Issled. (Azpad. Chast Yuzh. Sredinnogo Tyan-Shanya. Khamrabaev, I. Kh. (ed.). Tashkent, Uzb. SSR; Fan (1971). (In Russian)
ROCKS;SPECIFIC HEAT;THERMAL DIFFUSIVITY; THERMAL CONDUCTIVITY;THERMAL EXPANSION; HYDROTHERMAL ALTERATION;MINERALS;HEAT FLOW; TECTONICS;SEDIMENTARY ROCKS;METAMORPHIC ROCKS; USSR

2647 AEROMAGNETIC MAP AND INTERPRETATION OF THE SALTON SEA GEOTHERMAL AREA, CALIFORNIA. Griscom, A.; Muffler, L.J.P. US Geological Survey Geophysical Inv. Map GP-754. United States of America (USA); US Geol. Surv. (1971).
SALTON SEA;GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS;AERIAL MONITORING

2648 HYDROGEOPHYSICAL SURVEY USING REMOTE-SENSING METHODS FROM KAWAIHAE TO KAILUA-KONA, HAWAII. Adams, W.M.; Peterson, F.L.; Mathur, S.P.; Lepley, L.K.; Warren, C.; Huber, R.D. Ground Water; 9: No. 1, 42-50(1971).
HAWAII;GROUND WATER;BASALT;AERIAL PROSPECTING;GEOPHYSICAL SURVEYS

2649 BASIS OF A METHOD OF FIELD BUILDUP SOUNDING IN THE NEAR ZONE. Kaufman, A.A.; Morozova, G.M. Izv. Akad. Nauk SSSR, Fiz. Zemli; No. 1, 79-84(1971).
ELECTRIC CONDUCTIVITY;ZONES;MAGNETIC DIPOLES; ELECTROMAGNETIC FIELDS;LAYERS;ELECTROMAGNETIC SURVEYS

2650 GEOTHERMAL PROPERTIES OF SEDIMENTARY DEPOSITS IN THE SARATOV AREA OF THE VOLGA REGION. Smekhova, L.M. Geol. Nefti Gaza; No. 4, 42-5(1971).
USSR;GEOPHYSICAL SURVEYS;HEAT FLOW; SEDIMENTARY ROCKS;GEOTHERMAL GRADIENTS

2651 SOME POSSIBILITIES OF UTILIZING PRACTICAL GEOPHYSICAL METHODS FOR EXPLORING KARST AND THERMAL WATERS. Krulc, Z. Geologie (Berlin); 20: No. 8, 862-75(1971).
YUGOSLAVIA;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;THERMAL WATERS;MINERALS

2652 DISTRIBUTION OF THE HEAT FLOW IN SOME REGIONS OF SIBERIA AND HEAT FIELD OF TECTONICALLY ACTIVE ZONES. Moiseyenko, U.I.; Sokolova, L.S.; Duchkov, A.D. pp 11-12 of Symposium on heat flow. Volume 7. Moscow; Int. Union Geog. Geophys. (1971).
From 15. General Assembly of Int. Union Geod. Geophys.; Moscow (1971).
USSR;TECTONICS;HEAT FLOW;GEOPHYSICAL SURVEYS; MEASURING METHODS

2653 EXPLORATION FOR GEOTHERMAL POWER. Robertson, H. pp 60-1 of Exploration today; energy tomorrow. Houston, TX; Soc. Explor. Geophys. (1971).
From 41. Annual International Meeting of Society of Explor. Geopys.;
NEW ZEALAND;CALIFORNIA;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;SEISMIC SURVEYS; IMPERIAL VALLEY;WAIOTAPU GEOTHERMAL FIELD

2654 ELECTRICAL EXPLORATION FOR GEOTHERMAL RESERVOIRS. Keller, G.V. Geophys. Prospect. (The Hague); 19: No. 3, 540-1(1971).
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES; MEASURING METHODS

2655 PROPOSAL FOR THE INSTALLATION OF A GEOTHERMAL NETWORK IN THE GULF OF POZZUOLI. Palumbo, A.; Paolini, E. Boll. Soc. Nat. Napoli; 79 (1970): 85-96(1971).
ITALY;GEOTHERMAL ENERGY;EXPLOITATION;HEAT FLOW;GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS

2656 INFLUENCE OF GEOTHERMAL TEMPERATURE GRADIENTS UPON VEGETATION PATTERNS IN YELLOWSTONE NATIONAL PARK. Sheppard, J.S. Diss. Abstr. Int.; 32: No. 3, 1403B(1971).
YELLOWSTONE NATIONAL PARK;GEOTHERMAL EXPLORATION;THERMAL WATERS;GEOPHYSICAL SURVEYS; BIOLOGICAL EFFECTS;PLANTS;GEOTHERMAL GRADIENTS; HEAT FLOW

2657 INFRA-RED REMOTE SENSING OF SOME GEOTHERMAL FEATURES IN THE TAUPO REGION, NEW ZEALAND (IN GEOPHYSICS OF THE EARTH AND THE OCEANS, PART II). Dickinson, D.J.; Hochstein, M.P. Geoexploration; 9: No. 2-3, 164(1971).
NEW ZEALAND;GEOTHERMAL EXPLORATION;INFRARED SURVEYS;REMOTE SENSING

2658 AEROMAGNETIC SURVEY OF THE SALTON SEA GEOTHERMAL FIELD, SOUTHEASTERN CALIFORNIA. Griscom, A.; Muffler, L.J.P. Geol. Soc. Am., Bull.; 3: No. 2, 129(1971).
SALTON SEA;GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS;GEOTHERMAL FIELDS

2659 NOISE MEASUREMENTS IN A GEOTHERMAL AREA. Goforth, T.; Douze, E.J.; Sorrells, G.G. Geol. Soc. Am., Bull.; 3: No. 2, 124-5(1971).
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; SEISMIC SURVEYS;CALIFORNIA

2660 GEOTHERMAL INVESTIGATIONS IN THE IMPERIAL VALLEY OF CALIFORNIA. Combs, J.; Rex, R.W. Geol. Soc. Am., Bull.; 3: No. 2, 101-2(1971).
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; CALIFORNIA

2661 THERMAL CONDUCTIVITY OF ROCKS FROM MEASUREMENTS ON FRAGMENTS AND ITS APPLICATION TO HEAT-FLOW DETERMINATIONS. Sass, J.H.; Lachenbruch, A.H.; Munroe, R.J. J. Geophys. Res.; 76: No. 14, 3391-401(1971).
ROCKS;THERMAL CONDUCTIVITY;BOREHOLES;HEAT FLOW

2662 COMMENTS ON A PAPER BY KI-ITI HORAI AND AMOS NUR, ''RELATIONSHIP AMONG TERRESTRIAL HEAT FLOW, THERMAL CONDUCTIVITY, AND GEOTHERMAL GRADIENT''(1970). Naidu, P.S. J. Geophys. Res.; 76: No. 14, 3426-7(1971).
HEAT FLOW;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS

2663 REPLY (TO COMMENTS ON A PAPER BY KI-ITI HORAI AND AMOS NUR, ''RELATIONSHIP AMONG TERRESTRIAL HEAT FLOW, THERMAL CONDUCTIVITY, AND GEOTHERMAL GRADIENT,'' 1970). Horai, K.-I.; Nur, A. J. Geophys. Res.; 76: No. 14, 3428(1971).
HEAT FLOW;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS;EARTH CRUST;GEOPHYSICS

2664 THERMAL MAPPING OF SELECTED SITES IN THE LAKE KINNERET REGION. Otterman, J.; Kahanonwitz, A.; Shilo, R. (Tel Aviv Univ., Israel. Dept. of Environmental Sciences). Isr. J. Earth-Sci.; 20: No. 3, 89-95(1971).
WATER RESOURCES;MAPS;INFRARED SURVEYS;REMOTE SENSING;GROUND WATER;MEASURING METHODS;HOT SPRINGS;THERMAL RADIATION;THERMAL WATERS; MEASURING INSTRUMENTS;ISRAEL;TELEVISION

2665 HIGH-TEMPERATURE ALTERATION MINERALS AND THERMAL BRINES, REYKJANES, ICELAND. Tomasson, J.; Kristmannsdottir, H. (Dep. Nat. Heat, Natl. Energy Auth., Reykjavik, Iceland). Contrib. Mineral. Petrol.; 36: No. 2, 123-34(1972).
ICELAND;GEOTHERMAL FIELDS;MINERALOGY; MINERALS;HYDROTHERMAL ALTERATION;BRINES; GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS; MONTMORILLONITE;ANHYDRITE;EPIDOTES

2666 MICROEARTHQUAKE SURVEY OF GEOTHERMAL AREAS IN ICELAND, 1970. Conant, D.A. Earthquake Notes; 43: No. 2, 19-32(1972).
ICELAND;GEOTHERMAL FIELDS;SEISMIC SURVEYS; MICROEARTHQUAKES

2667 TEMPERATURE EXPLORATION FOR GROUND WATER IN KAU, HAWAII. Birman, J.H.; Esmilla, A. Geol. Soc. Am., Bull.; 4: No. 3, 128-9(1972). From 68. Annual Meeting of Cordilleran Section of Geological Society of America;
HAWAII;GROUND WATER;PROSPECTING;TEMPERATURE MEASUREMENT;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;HYDROLOGY;GEOLOGY;HEAT FLOW;WATER RESOURCES

2668 STUDY OF HEAT CONDUCTION UNDER EXTREMAL CONDITIONS [ROCKS]. Shtiller, G.; Zaipold, U.; Fabel, I.; Folshtadt, G. (Central Inst. Phys. Earth Acad. Sci. USSR). Geofiz. Sb.; No. 47, 13-16(1972). (In Russian).
ROCKS;THERMAL CONDUCTIVITY;VERY HIGH PRESSURE;HIGH TEMPERATURE;MEASURING METHODS

2669 ELECTRICAL GEOPHYSICAL TECHNIQUES IN GEOTHERMAL EXPLORATION. Harthill, N. Union Geofis. Mex., Reun. Anu., Programa Resumenes; 28-9(1972).
GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS

2670 INFRARED EMISSION FROM KVERKFJOELL SUBGLACIAL VOLCANIC AND GEOTHERMAL AREA, ICELAND. Friedman, J.D.; Williams, R.S., Jr.; Thorarinsson, S.; Palmason, G. Joekull (Reykjavik); 22: 27-43(1972).
ICELAND;GEOTHERMAL SYSTEMS;GEOTHERMAL FIELDS; ELECTROMAGNETIC SURVEYS;AERIAL MONITORING; VOLCANIC REGIONS;INFRARED SURVEYS

2671 STUDY ON REMOTE SENSING OF GEOTHERMAL RESOURCES; SURFACE TEMPERATURE-CHANGE SIMULATION MODEL INSTRUMENT. Nishimura, K.; Hase, H. Chishitsu Chosasho Geppo; 23: No. 3, 147-56(1972). (In Japanese with English summary).
GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS; REMOTE SENSING;SAND;THERMAL CONDUCTIVITY; GEOTHERMAL EXPLORATION;JAPAN;HEAT FLOW; MEASURING METHODS;MEASURING INSTRUMENTS; SIMULATION

2672 RECENT GEOPHYSICAL EXPLORATION OF THE KAWERAU GEOTHERMAL FIELD, NORTH ISLAND, NEW ZEALAND. MacDonald, W.J.P.; Muffler, L.J.P. N. Z. J. Geol. Geophys.; 15: No. 3, 303-17(1972).
KAWERAU GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS; IGNEOUS ROCKS;FRACTURES;TEMPERATURE MEASUREMENT; ELECTRIC CONDUCTIVITY;NEW ZEALAND;ELECTRICAL SURVEYS

2673 EXPLORATION SIGNIFICANCE OF RECENT GEOPHYSICAL SURVEYS IN THE MEXICALI-CERRO PRIETO GEOTHERMAL AREA. Evans, K.R.; Sumner, J.S.; Del Castillo, L. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 38-9(1972).
CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS;AERIAL PROSPECTING; GEOPHYSICAL SURVEYS

2674 SEISMIC NOISE IN GEOTHERMAL AREAS. Iyer, H.M. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 38(1972).
GEYSERS GEOTHERMAL FIELD;SEISMIC SURVEYS; SEISMIC NOISE;CALIFORNIA;CORRELATIONS

2675 SPECTRAL VARIABILITY IN SEISMIC NOISE MEASUREMENTS AND IMPLICATIONS FOR GEOTHERMAL EXPLORATION. Crosson, R.S.; Mayers, I.R. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 37-8(1972).
OREGON;WASHINGTON;SEISMIC SURVEYS;GEOTHERMAL EXPLORATION;SEISMIC NOISE

2676 MICROEARTHQUAKE STUDIES FOR EXPLORATION AND DEVELOPMENT OF GEOTHERMAL RESOURCES. Hamilton, R.M.; Ward, P.L. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 37(1972).
GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; MICROEARTHQUAKES;CORRELATIONS

2677 SURFACE DETERMINATION OF SUBSURFACE POROSITY AND PORE-FLUID RESISTIVITY; GEOTHERMAL IMPLICATIONS. McEuen, R.B. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 37(1972).
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; SEISMIC SURVEYS;POROSITY;ELECTRIC CONDUCTIVITY; GEOPHYSICAL SURVEYS

2678 GEOPHYSICAL METHODS IN GEOTHERMAL EXPLORATION. Harthill, N. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 37(1972).
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; ELECTROMAGNETIC SURVEYS

2679 DIPOLE MAPPING SURVEYS. Keller, G.V. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 36-7(1972).
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS;MEASURING METHODS

2680 ASSESSMENT OF ELECTRICAL RESISTIVITY IN GEOTHERMAL EXPLORATION. Meidav, T.; Banwell, J. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 36(1972).
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS;ELECTRIC CONDUCTIVITY; MEASURING METHODS

2681 GEOTHERMAL GROUND-NOISE SURVEYS. Sorrells, G.G. Assoc. Eng. Geol., Ann. Meet., Program Abstr.; No. 15, 35(1972).
IMPERIAL VALLEY;SEISMIC SURVEYS;SEISMIC NOISE;GEOTHERMAL EXPLORATION;CALIFORNIA

2682 GEOLOGIC STRUCTURE CONTROLLING HEAT FLOW SYSTEMS AT SHALLOW GEOTHERMAL UNDERGROUND. Hase, H. pp 489-501 of Prof. Jun-ichi Iwai Memorial Volume. Sendai, Japan; Tohoku Univ., Inst. Geol. Paleontol. (1972). (In Japanese with English abstract)
JAPAN;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;INFRARED SURVEYS;GEOLOGIC FAULTS; VOLCANOES;HEAT FLOW;THERMAL CONDUCTIVITY; MINERAL RESOURCES;GEOLOGIC FISSURES

2683 REVIEW AND DISCUSSION OF GEOTHERMAL EXPLORATION TECHNIQUES. Combs, J. pp 49-68 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;HEAT FLOW;GEOTHERMAL GRADIENTS;BIBLIOGRAPHIES;CALIFORNIA;MEASURING METHODS;GEOCHEMICAL SURVEYS

2684 COOPERATIVE GEOLOGICAL-GEOPHYSICAL-GEOCHEMICAL INVESTIGATIONS OF GEOTHERMAL RESOURCES IN THE IMPERIAL VALLEY. Rex, R.W. pp 45-8 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
IMPERIAL VALLEY;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;GEOLOGICAL SURVEYS

2685 CORRELATION OF GRAVITY AND GEOTHERMAL ANOMALIES IN THE IMPERIAL VALLEY, S. CALIFORNIA. Biehler, S.; Combs, J. (Univ. California, Riverside; Geological Soc. America, Seismological Soc. America, Paleontological Soc.). Abstr. and Programs Geol. Soc. Am. (USA); 4: No. 3, 128(Feb 1972).
From 68. Annual Meeting of Cordilleran Section of Geological Society of America; Honolulu, HI (30 Mar-1 Apr 1972).
IMPERIAL VALLEY;CALIFORNIA;GRAVITY SURVEYS; GEOTHERMAL GRADIENTS;CORRELATIONS;SEDIMENTS; SILICON OXIDES;SANDSTONES;VOLCANIC ROCKS; GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION

2686 TECHNIQUE FOR DETERMINING THE PROPERTIES OF SEISMIC NOISE IN GEOTHERMAL AREAS. Iyer, H.M. (US Geological Survey, Menlo Park, CA; Geological Soc. America, Seismological Soc. Amer., Paleontological Soc.). Abstr. and Programs Geol. Soc. Am. (USA); 4: No. 3, 177(Feb 1972).
From 68. Annual Meeting of Cordilleran Section of Geological Society of America; Honolulu, HI (30 Mar-1 Apr 1972).
GEYSERS GEOTHERMAL FIELD;SEISMOGRAPHS; VELOCITY;GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION;SEISMIC SURVEYS;CALIFORNIA;SEISMIC NOISE

2687 SEISMIC NOISE MEASUREMENTS IN A GEOTHERMAL AREA. Goforth, T.T.; Douze, E.J.; Sorrells, G.G. (Southern Methodist Univ., Dallas, TX). Geophys. Prospect.; 20: No. 1, 76-82(Mar 1972).
SEISMIC SURVEYS;IMPERIAL VALLEY;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES;NOISE

2688 GEOTHERMAL ANOMALY IN THE BAIKAL LAKE REGION. Lubimova, E.A.; Zorin, U.A. (Inst. of Physics of the Earth, Academy of Sciences, Moscow, USSR); Lysak, S.V. (Inst. of the Earth's Crust, Irkutsk, USSR). Geothermics; 1: No. 1, 31-4(Mar 1972).
From Symposium on Earth Heat Flow; Moscow (10-11 Aug 1971).
USSR;HEAT FLOW;GEOTHERMAL GRADIENTS;GEOLOGIC DEPOSITS;ELECTRIC CONDUCTIVITY;GEOLOGIC FAULTS; GEOPHYSICAL SURVEYS

2689 INVESTIGATON OF HEAT FLOW ANOMALITIES IN SOME REGIONS OF THE UKRAINE. Kutas, R.I. (Inst. Geophysics, Acad. Sci. Ukr. SSR, Kiev, USSR). Geothermics; 1: No. 1, 35-9(Mar 1972).
From Symposium on Earth Heat Flow; Moscow (10-11 Aug 1971).
UKRAINIAN SSR;HEAT FLOW;TECTONICS;DATA;MAPS; GEOLOGIC FAULTS;GEOPHYSICAL SURVEYS

2690 AEROMAGNETIC SURVEY OF MEXICALI-CERRO PRIETO GEOTHERMAL AREA. Evans, K.R.; Sumner, J.S. (Univ. Arizona, Tucson; Amer. Geo. Union). Trans. Am. Geophys. Union; 53: No. 4, 364(Apr 1972).
CERRO PRIETO GEOTHERMAL FIELD;AERIAL PROSPECTING;GEOTHERMAL EXPLORATION; MAGNETOMETERS;MAGNETIC FIELDS;GEOPHYSICAL SURVEYS;MAGNETIC SURVEYS;MEXICO

2691 MICROEARTHQUAKE STUDY OF THE KRISUVIK GEOTHERMAL AREA, ICELAND. Klein, F.; Einarsson, P.; Wyss, M. (Columbia Univ., Palisades, NY). Trans. Am. Geophys. Union; 53: No. 4, 442(Apr 1972).
GEOTHERMAL FIELDS;ICELAND;MICROEARTHQUAKES; SEISMIC SURVEYS;REFRACTION;SEISMIC WAVES

2692 FIRST REPORT ON A PRELIMINARY GEOTHERMAL STUDY OF THE RIO GRANDE RIFT. Hartman, H.; Reiter, M. (Amer. Geo. Union). Trans. Am. Geophys. Union; 53: No. 4, 516(Apr 1972).
Colorado plateau. HEAT FLOW;NEW MEXICO; GEOTHERMAL EXPLORATION

2693 RESISTIVITY STUDIES ON THE IMPERIAL VALLEY GEOTHERMAL AREA, CALIFORNIA. Meidav, T. (Univ. of California, Riverside); Furgerson, R. Geothermics; 1: No. 2, 47-62(Jun 1972).
ELECTRIC CONDUCTIVITY;CALIFORNIA;GEOTHERMAL RESOURCES;ELECTRICAL SURVEYS;MAPS;BRINES; ARIZONA;EXPLORATION;SALINITY;IMPERIAL VALLEY; GEOPHYSICAL SURVEYS

2694 HEAT FLOW THROUGH THE BOTTOM OF THE INNER SEAS AND LAKES IN THE USSR. Alexandrov, A.L.; Lubimova, E.A.; Tomara, G.A. (Inst. Physics of the Earth, Acad. Sci., Moscow, USSR). Geothermics; 1: No. 2, 73-80(Jun 1972).
USSR;LAKES;SEAS;GEOPHYSICAL SURVEYS;HEAT FLOW;ARCTIC REGIONS;BLACK SEA;GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT;MAGNETIC SURVEYS;MAPS

2695 ROLE OF MODERN SENSOR APPLICATION IN THE UNITED NATIONS RESOURCE EXPLORATION AND EVALUATION PROGRAMS. Seward, F.A, Jr. (Resources and Transport Div., New York, NY). IEEE Trans. Aerosp. Electron. Syst.; AES-8: No. 4, 407-9(Jul 1972).
GEOTHERMAL RESOURCES;AERIAL PROSPECTING; MINERALS;GEOPHYSICAL SURVEYS;PHOTOGRAPHY; ULTRAVIOLET SPECTRA;INFRARED SPECTRA;ETHIOPIA; KENYA;GEOTHERMAL EXPLORATION;AFRICA

2696 GEOTHERMAL GROUND-NOISE SURVEYS. Douze, E.J.; Sorrells, G.G. (Teledyne-Geotech., Dallas, TX). Geophysics; 37: No. 5, 813-24(Oct 1972).
IMPERIAL VALLEY;CALIFORNIA;SEISMIC SURVEYS; GEOTHERMAL EXPLORATION;HEAT FLOW;SEISMIC NOISE

2697 HEAT FLOW NEAR ORLANDO, FLORIDA AND ULVALDE, TEXAS DETERMINED FROM WELL CUTTINGS. King, W.; Simmons, G. (Massachusetts Inst. of Tech., Cambridge). Geothermics; 1: No. 4, 133-140(Dec 1972).
EXPLORATION;FLORIDA;TEXAS;BOREHOLES;GEOLOGY; ROCKS;THERMAL CONDUCTIVITY;TEMPERATURE MEASUREMENT;HEAT FLOW;WATER;MEASURING INSTRUMENTS;EARTH CRUST;GEOTHERMAL RESOURCES; GEOTHERMAL SURVEYS

2698 ELASTIC WAVE VELOCITIES IN THE KAMCHATKA FOCAL ZONE. Kuzin, I.P. (O. Yu. Shmidt Inst. Phys. Earth, Acad. Sci., USSR). Izv. Acad. Sci. USSR. Phys. Solid Earth (USA); No. 12, 793-802(Dec 1972).
USSR;GEOLOGIC DEPOSITS;EARTHQUAKES;SEISMIC WAVES;WAVE PROPAGATION;VELOCITY;ZONES

2699 GEOPHYSICAL METHODS IN GEOTHERMAL EXPLORATION. Banwell, C.J. pp 41-48 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL RESOURCES;GEOPHYSICS;GEOPHYSICAL SURVEYS;PERMEABILITY;EARTH CRUST;GEOTHERMAL EXPLORATION;MEASURING METHODS

2700 EXPLORATION SIGNIFICANCE OF RECENT GEOPHYSICAL SURVEYS IN THE MEXICALI-CERRO PRIETO GEOTHERMAL AREA. Evans, K.R.; Sumner, J.S.; Del Castillo, L. Geophysics; 38: No. 1, 171(1973).
CERRO PRIETO GEOTHERMAL FIELD;MAGNETIC SURVEYS;GEOPHYSICAL SURVEYS

2701 MICROEARTHQUAKE STUDIES FOR EXPLORATION AND DEVELOPMENT OF GEOTHERMAL RESOURCES. Hamilton, R.M.; Ward, P.L. Geophysics; 38: No. 1, 174(1973).
GEOTHERMAL EXPLORATION;SEISMIC SURVEYS; SEISMOLOGY;HYDROTHERMAL ALTERATION;GEOLOGIC FAULTS;SEISMIC WAVES;DISTRIBUTION

2702 GEOPHYSICAL METHODS IN GEOTHERMAL EXPLORATION. Harthill, N. Geophysics; 38: No. 1, 175(1973).
GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; MEASURING METHODS;ELECTRICAL SURVEYS; ELECTROMAGNETIC SURVEYS

2703 SEISMIC NOISE IN GEOTHERMAL AREAS. Iyer, H.M. Geophysics; 38: No. 1, 177-8(1973).
SEISMIC NOISE;GEOPHYSICAL SURVEYS;SEISMIC SURVEYS;CALIFORNIA;GEYSERS GEOTHERMAL FIELD; IMPERIAL VALLEY;GEOTHERMAL EXPLORATION

2704 ELECTRICAL RESISTIVITY IN GEOTHERMAL EXPLORATION. Meidav, T.; Banwell, J. Geophysics; 38: No. 1, 184(1973).
GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; MEASURING METHODS;ELECTRIC CONDUCTIVITY;CAP ROCK;NATURAL STEAM

2705 HEAT FLOW OF THE JEMEZ PLATEAU. Potter, R.M. EOS, Trans., Am. Geophys. Union; 54: No. 11, 1214(1973).
JEMEZ MOUNTAINS;HEAT FLOW;GEOLOGY; GEOPHYSICAL SURVEYS;IGNEOUS ROCKS;METAMORPHIC ROCKS;LASL;NEW MEXICO

2706 METHODS OF STUDYING HEAT FLOW IN THE OCEAN BOTTOMS. Lyubimova, Ye.A.; Aleksandrov, A.L.; Duchkov, A.D. Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Ordena Lenina Inst. Zemli (1973). 174p.
SEAS;SEDIMENTS;HEAT FLOW;MEASURING METHODS; GEOTHERMAL GRADIENTS;GEOLOGY;EARTH CRUST;EARTH MANTLE

2707 GEOTHERMAL MEASUREMENTS IN NORTHERN CANADA. Judge, A. pp 301-311 of Symposium on the Geology of the Canadian Arctic, Proceedings. Toronto; Geol. Assoc. Can. Can. Soc. Pet. Geol. (1973).
CANADA;HEAT FLOW;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;GEOLOGY;BOREHOLES

2708 GEOTHERMOMETRY OF QUARTZ IN THE CRYSTALLINE ROCKS OF THE INEU-BRETILA ANTICLINE ZONE, EAST CARPATHIANS. Erhan, V.; Oniceanu, M. Iasi, Univ., An. Stiint., Sect. 2, B (Ser. Noua); 19: No. 2, 23-27(1973).
GEOLOGIC DEPOSITS;QUARTZ;GEOTHERMOMETRY; ROMANIA;GEOTHERMAL GRADIENTS;MINERALS; INCLUSIONS;SILICON OXIDES;METAMORPHISM

2709 HEAT FLOW STUDIES IN NEW MEXICO AND NEIGHBORING AREAS OF THE SOUTHWESTERN UNITED STATES. Reiter, M.; Edwards, C.L.; Weidman, C. Geol. Soc. Am., Bull.; 5: No. 7, 779(1973).
NEW MEXICO;GEOPHYSICAL SURVEYS;HEAT FLOW;USA;

GEOTHERMAL GRADIENTS

2710 THERMAL EXPLORATION FOR GROUND WATER AND RELATED PROBLEMS. Birman, J.H. pp 171-173 of Geology, seismicity, and environmental impact. Los Angeles, CA; Assoc. Eng. Geol. (1973).
GROUND WATER;PROSPECTING;HYDROLOGY; TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;HEAT FLOW

2711 THERMAL ANOMALIES AND SULFIDE OXIDATION IN THE SILVER BELL MINING DISTRICT. Edmiston, R.C. Min. Eng. (London); 25: No. 12, 45(1973).
ARIZONA;MINES;GEOTHERMAL GRADIENTS;HEAT FLOW; SULFIDES;METALS;OXIDATION;ORES;GEOPHYSICAL SURVEYS;GEOLOGIC DEPOSITS

2712 HEAT-FLOW VARIATIONS ACROSS THE SOVANCO FRACTURE ZONE. Lister, C.R.B.; Davis, E.E. (Univ. Washington, Seattle, USA). EOS, Trans., Am. Geophys. Union; 54: No. 4, 462(1973).
GEOPHYSICAL SURVEYS;GEOLOGIC FAULTS;HEAT FLOW;VARIATIONS;DATA;CANADA

2713 GEOPHYSICAL STUDIES IN THE SOUTHERN RIO GRANDE RIFT. Decker, E.R.; Smithson, S.B. (Univ. Wyoming, Laramie, USA). EOS, Trans., Am. Geophys. Union; 54: No. 4, 463(1973).
NEW MEXICO;GEOPHYSICAL SURVEYS;HEAT FLOW; GRAVITY SURVEYS;MAPS;SEISMIC SURVEYS;BOREHOLES

2714 METHOD FOR DETERMINING POROSITY AND SOLID CONDUCTING INCLUSIONS FROM RESISTIVITY LOGGING DATA. Romanyuk, I.A. Razved. Geofiz.; No. 55, 121-5(1973). (In Russian).
CLAYS;POROSITY;CHEMICAL COMPOSITION; ELECTRICAL SURVEYS;MEASURING METHODS;ELECTRIC CONDUCTIVITY;INCLUSIONS

2715 HEAT FLUX ESTIMATION IN GEOTHERMAL AREAS BASED ON THE HEAT BALANCE OF THE GROUND SURFACE. Yuhara, K.; Sekioka, M. Bull. Volcanol. Soc. Jap.; 18: No. 2, 109-10(1973).
GEOTHERMAL FIELDS;HEAT FLOW;MEASURING METHODS;SURFACES;EARTH CRUST

2716 SPECTRAL VARIABILITY IN SEISMIC NOISE MEASUREMENTS AND IMPLICATIONS FOR GEOTHERMAL EXPLORATION. Crosson, R.S.; Mayers, I.R. Geophysics; 38: No. 1, 168(1973).
SEISMIC NOISE;SPECTRA;VARIATIONS;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;SEISMIC SURVEYS; WASHINGTON;OREGON;USA;MEASURING METHODS

2717 GEOTHERMAL STUDIES IN THE SOUTHERN ROCKY MOUNTAIN REGION, 1971-73. Decker, E.R. Geol. Soc. Am., Bull.; 5: No. 6, 475-6(1973).
ROCKY MOUNTAINS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;HEAT FLOW;GEOTHERMAL ENERGY; POWER POTENTIAL;GEOTHERMAL RESOURCES

2718 OPTOELECTRONIC METER FOR CONTACTLESS TEMPERATURE MEASUREMENT IN BOREHOLES. Moiseenko, A.S.; Orlov, A.P.; Pozin, L.Z.; Shirokov, V.N. Geofiz. App.; No. 52, 93-7(1973). (In Russian).
BOREHOLES;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS;INFRARED RADIATION;RESOLUTION;NOISE

2719 MICROEARTHQUAKES AND SEISMIC GROUND NOISE MAPPING; CONJUNCTIVE GEOTHERMAL EXPLORATION TOOL. Bailey, J.R. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 43(1973).
GEOTHERMAL EXPLORATION;MICROEARTHQUAKES;USA; GEOPHYSICAL SURVEYS;GEOLOGY;SEISMOLOGY;SEISMIC NOISE;MAPS;SEISMIC SURVEYS

2720 REVIEW OF GEOTHERMAL EXPLORATION BY INFRARED LINE SCANNING IN NORTH AMERICA, EUROPE, AND EAST AFRICA. Hodder, D.T. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 42(1973).
GEOTHERMAL EXPLORATION;INFRARED SURVEYS;HEAT FLOW;EUROPE;NORTH AMERICA;AFRICA;REVIEWS; MEASURING METHODS

2721 AEROMAGNETIC STUDY OF THE COLORADO RIVER DELTA AREA, BAJA CALIFORNIA, MEXICO. De La Fuente Duch, M.; Sumner, J.S. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 42(1973).
GEOPHYSICAL SURVEYS;MEXICO;MAGNETIC SURVEYS; GEOTHERMAL ENERGY;GEOLOGY;TECTONICS

2722 GEOELECTRICAL INVESTIGATIONS NEAR THE GEYSERS GEOTHERMAL AREA, CALIFORNIA. Stanley, W.D.; Jackson, D.B. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 41-42(1973).
GEYSERS GEOTHERMAL FIELD;ELECTRICAL SURVEYS; ELECTRIC CONDUCTIVITY;GRAVITY SURVEYS;HEAT FLOW; SEDIMENTARY ROCKS;GEOPHYSICAL SURVEYS; ELECTRICAL PROPERTIES;IGNEOUS ROCKS;VOLCANIC REGIONS;CALIFORNIA

2723 COMPARATIVE STUDY OF TWO RESISTIVITY TECHNIQUES AS APPLIED IN THE DELINEATION OF A GEOTHERMAL RESERVOIR. Mazzella, A.; Dey, A. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 41(1973).
GEOTHERMAL SYSTEMS;ELECTRICAL SURVEYS; COMPARATIVE EVALUATIONS;ELECTRIC CONDUCTIVITY; GEOTHERMAL EXPLORATION

2724 REGIONAL ASPECTS OF THE GEOTHERMAL RESOURCE BASE IN NORTHWEST MEXICO AND THE SOUTHWEST UNITED STATES. Hermance, J.F. Soc. Exploration Geophysicists, Annual International Meeting, Abstracts, Authors, Biographies; No. 43, 40-41(1973).
GEOTHERMAL RESOURCES;MEXICO;USA;GEOPHYSICAL SURVEYS;GRAVITY SURVEYS;GEOLOGY;SEISMIC SURVEYS; MAGNETIC SURVEYS;TECTONICS;ELECTRICAL SURVEYS; ELECTROMAGNETIC SURVEYS

2725 RECOGNITION OF NATURAL BRINE BY ELECTRICAL SOUNDINGS NEAR THE SALT FORK OF THE BRAZOS RIVER, KENT AND STONEWALL COUNTIES, TEXAS: ORIGIN AND MANAGEMENT OF SALT SPRINGS AND SEEPS IN THE UPPER BRAZOS RIVER BASIN, TEXAS. Zohdy, A.A.R.; Jackson, D.B. Geological Survey Professional Paper 809-A. Washington, DC; United States of America (USA); Geological Survey (1973). 14p. GPO $0.40.
BRINES;ELECTRICAL SURVEYS;TEXAS;FRESH WATER; SEDIMENTARY ROCKS;SHALES;DOLOMITE;GEOLOGY

2726 EXPLORATION IN A BLIND GEOTHERMAL AREA NEAR MARYSVILLE, MONTANA, USA. Blakwell, D.D. (Southern Methodist Univ., Dallas). Geothermics; 2: No. 3-4, 123(1973).
From National Science Foundation: Italian

National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
35 km² area with 20 x 10^{-6} cal/cm²s heat flow. MONTANA;USA;GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS;HEAT FLOW;GEOTHERMAL FIELDS

2727 GEOTHERMAL PROSPECTING WITH THE MAGNETO-TELLURIC METHOD (M.T.-S-E.X.) IN THE TRAVALE AREA (TUSCANY, ITALY). Celati, R. (Istituto Internazionale per le Ricerche Geotermiche, Pisa, Italy); Muse, L.; Rossi, A.; Squarci, P.; Taffi, L.; Toro, B. Geothermics; 2: No. 3-4, 186-190(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS; GEOTHERMAL FIELDS;ITALY;MAPS;GEOLOGY;ZONES

2728 DOES TEMPERATURE AFFECT ELECTRIC RESISTIVITY OF ROCKS IN THE LARDERELLO REGION. Albo, M. (Compagnie Generale de Geophysique, Massy, France); Cameli, G.M.; Cataldi, R. Geothermics; 2: No. 3-4, 191(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
Schlunberger quadrupole array. ELECTRIC CONDUCTIVITY;ROCKS;ELECTRICAL SURVEYS; LARDERELLO GEOTHERMAL FIELD;TEMPERATURE DEPENDENCE

2729 TERRESTRIAL HEAT FLOW DETERMINATIONS IN THE NORTH CENTRAL UNITED STATES. Combs, J.; Simmons, G. (Dept. Earth and Planetary Sciences, MIT, Cambridge, MA). J. Geophys. Res.; 78: No. 2, 441-61(10 Jan 1973).
USA;HEAT FLOW;EARTH MANTLE;LITHOLOGY;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS

2730 HEAT FLOW IN SOME REGIONS OF SIBERIA AND THE FAR EASTERN USSR. Moiseenko, U.I.; Duchkov, A.D.; Sokolova, L.S. (Institute of Geology and Geophysics, Academy of Sciences, Novosibirsk. USSR). Geothermics; 2: No. 1, 17-23(Mar 1973).
From Symposium on the Earth Heat Flow; Moscow (10-11 Aug 1971).
USSR;HEAT FLOW;GEOPHYSICAL SURVEYS;BOREHOLES; TEMPERATURE MEASUREMENT;ROCKS;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS

2731 HEAT FLOW IN POLAND AND ITS RELATION TO THE GEOLOGICAL STRUCTURE. Majorowicz, J.A. (Institute of Geology, Rakowiecka 4, Warsaw, Poland). Geothermics; 2: No. 1, 24-28(Mar 1973).
POLAND;HEAT FLOW;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;TECTONICS;GEOLOGY;ROCKS; THERMAL CONDUCTIVITY;MAPS;BOREHOLES;TEMPERATURE MEASUREMENT

2732 SEISMIC NOISE IN LIPARI AND VULCANO ISLANDS, SOUTHERN THYRRENIAN SEA, ITALY. Luongo, G.; (Osservatorio Vesuviano, 80056 Ercolano, Napoli, Italy); Rapolla, A. (Istituto di Geologia e Geofisica, Universita di Napoli, Italy). Geothermics; 2: No. 1, 29-31(Mar 1973).
ITALY;SEISMIC NOISE;GEOTHERMAL SYSTEMS; SEISMIC SURVEYS;FUMAROLES;HOT SPRINGS;ISLANDS; FREQUENCY RANGE;AMPLITUDES

2733 FIVE-COMPONENT MAGNETO-TELLURIC METHOD IN GEOTHERMAL EXPLORATION: THE M.T.-S-E.X. Muse, L. (BEICIP, 366 Avenue Bonaparte, 92 Rueil - Malmaison, France). Geothermics; 2: No. 2, 41-50(Jun 1973).
ELECTROMAGNETIC SURVEYS;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;MEASURING METHODS;ITALY; EQUATIONS;MAGNETIC FIELDS;ELECTRIC CURRENTS

2734 INTERPRETATION OF DIPOLE-DIPOLE RESISTIVITY SURVEYS USING A HEMISPHEROIDAL MODEL. Bibby, H.M.; Risk, G.F. (Dept. Sci. Industrial Res., Wellington, New Zealand). Geophysics; 38: No. 4, 719-36(Aug 1973).
ELECTRICAL SURVEYS;DIPOLES;AQUIFERS; GEOTHERMAL EXPLORATION;HOT-WATER SYSTEMS; MEASURING METHODS;BROADLANDS GEOTHERMAL FIELD

2735 LOCAL LAKE MICROSEISMS RECORDED NEAR LAKE TAUPO IN THE NORTH ISLAND OF NEW ZEALAND. Clacy, G.T. pp 235-8 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
NEW ZEALAND;SEISMIC NOISE;SEISMIC SURVEYS; LAKES;SHORES;WIND

2736 HEAT FLOW IN A 'BLIND' GEOTHERMAL AREA NEAR MARYSVILLE, MONTANA. Blackwell, D.D.; Baag, C.-Z. (Southern Methodist Univ., Dallas, TX). Geophysics; 38: No. 5, 941-56(Oct 1973).
Magma chamber. HEAT FLOW;GEOTHERMAL FIELDS; MONTANA;GEOTHERMAL EXPLORATION;THERMAL WATERS; MAGMA;BOREHOLES

2737 DETAILED HEAT FLOW, TOPOGRAPHIC, AND MAGNETIC SURVEY ACROSS THE GALAPAGOS SPREADING CENTER AT 86°W. Sclater, J.G.; Klitgord, K.D. (Univ. California, San Diego, La Jolla). J. Geophys. Res.; 78: No. 29, 6951-75(10 Oct 1973).
PACIFIC OCEAN;GEOPHYSICAL SURVEYS;HEAT FLOW; TOPOGRAPHY;MAGNETIC SURVEYS;DATA

2738 MAGNETIC TELECHEMISTRY OF OCEANIC CRUST. Vogt, P.R.; Johnson, G.L. (US Naval Oceanographic Office Wash., D.C.). Nature (London); 245: No. 5425, 373-5(19 Oct 1973).
SEAS;CHEMICAL COMPOSITION;IRON;TITANIUM; ABUNDANCE;GEOCHEMICAL SURVEYS;MAGNETIC SURVEYS; SEDIMENTS;EARTH CRUST;BASALT;BRINES;THERMAL WATERS

2739 AUDIO-MAGNETOTELLURIC SOUNDING AS A RECONNAISSANCE EXPLORATION TECHNIQUE IN LONG VALLEY, CA. Hoover, D.B.; Frischknecht, F.C.; Tippens, C.L. (US Geological Survey, Denver, Co; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1212(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
GEOTHERMAL EXPLORATION;ELECTROMAGNETIC SURVEYS;GEOPHYSICAL SURVEYS;CALIFORNIA; GEOTHERMAL FIELDS;HOT SPRINGS

2740 APPLICATION OF THE SELF-POTENTIAL METHOD IN THE EXPLORATION FOR GEOTHERMAL ENERGY IN LONG VALLEY, CALIFORNIA. Anderson, L.A.; Johnson, G.R. (US Geological Survey, Denver, CO; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1212(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
GEOTHERMAL EXPLORATION;THERMAL WATERS; CALIFORNIA;ELECTRICAL SURVEYS;GEOTHERMAL FIELDS; GROUND WATER;GEOTHERMAL RESOURCES

2741 SEISMIC NOISE SURVEY IN LONG VALLEY,

CALIFORNIA. Iyer, H.M.; Hitchcock, T. (US Geological Survey, Menlo Park, CA; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1212(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
SEISMIC SURVEYS;CALIFORNIA;GEOTHERMAL EXPLORATION;SEISMIC NOISE;GEOTHERMAL FIELDS; GEOPHYSICAL SURVEYS

2742 TOTAL-FIELD RESISTIVITY MAP OF LONG VALLEY, CALIFORNIA. Stanley, W.D.; Jackson, D.B.; Zohdy, A.A.R. (US Geological Survey, Denver, CO; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1212(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
CALIFORNIA;ELECTRICAL SURVEYS;MAPS;ELECTRIC CONDUCTIVITY;GEOTHERMAL RESOURCES;HYDROTHERMAL SYSTEMS;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS

2743 HEAT FLOW STUDIES IN THE STATE OF OREGON. Bowen, R.G.; Blackwell, D.D. (Oregon Dept. Geology and Mineral Industries, Portland, OR; American Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1213(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
HEAT FLOW;OREGON;BOREHOLES;GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION;TOPOGRAPHY;AIR; METEOROLOGY

2744 THERMAL AND ELECTRICAL RESISTIVITY INVESTIGATIONS OF THE DUNES GEOTHERMAL ANOMALY, IMPERIAL VALLEY, CALIFORNIA. Black, W.E.; Nelson, J.S.; Combs, J. (Harding-Lawson Associates, San Rafael, CA; Am. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1214(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
GEOLOGY;SAND;CLAYS;SILT;BOREHOLES;SANDSTONES; TEMPERATURE GRADIENTS;HEAT FLOW;ELECTRICAL SURVEYS;THERMAL WATERS;IMPERIAL VALLEY; CALIFORNIA;GEOTHERMAL EXPLORATION

2745 RESISTIVITY, SELF-POTENTIAL, AND INDUCED-POLARIZATION SURVEYS OF A VAPOR-DOMINATED GEOTHERMAL SYSTEM. Zohdy, A.A.R.; Anderson, L.A.; Muffler, L.J.P. (US Geological Survey, Denver, CO). Geophysics; 38: No. 6, 1130-44(Dec 1973).
DRY-STEAM SYSTEMS;VOLCANIC REGIONS; ELECTRICAL SURVEYS;DRILLING;BOREHOLES; GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; YELLOWSTONE NATIONAL PARK

2746 HEAT FLOW AT SPOR MOUNTAIN, JORDAN VALLEY, BINGHAM, AND LA SAL, UTAH. Costain, J.K. (Virginia Polytech. Inst. and State Univ., Blacksburg, VA). J. Geophys. Res.; 78: No. 35, 8687-98(10 Dec 1973).
HEAT FLOW;UTAH;GEOTHERMAL GRADIENTS; BOREHOLES;COLORADO

2747 AIRBORNE THERMAL INFRARED SCANNING USED FOR GEOTHERMAL ENERGY EXPLORATION. De Donato, G. *Geotherm. Energy Mag.*; 2: No. 4, 56(1974).
INFRARED SURVEYS;AERIAL PROSPECTING;AFRICA; GEOPHYSICAL SURVEYS;ETHIOPIA;KENYA;GEOTHERMAL EXPLORATION

2748 MAGNETOTELLURICS, HYDROTHERMAL ZONES AND A GENERAL RESISTIVITY MODEL OF ICELAND. Grillot, L.R.; Thayer, R.E.; Bjornsson, A. EOS, Trans., Am. Geophys. Union; 55: No. 4, 227(1974).
ICELAND;ELECTROMAGNETIC SURVEYS;HYDROTHERMAL SYSTEMS;EARTH MANTLE;ZONES;GEOPHYSICAL SURVEYS; EARTH CRUST;MATHEMATICAL MODELS

2749 UNIFIED MAGNETO-ELECTROTELLURIC EXPLORATION METHOD; PART 1. Pirson, S.J. Oil Gas J.; 72: No. 11, 138-140(1974).
ELECTROMAGNETIC SURVEYS;GEOPHYSICAL SURVEYS; MINERALS;PETROLEUM;GEOTHERMAL ENERGY;MEASURING METHODS;GEOTHERMAL EXPLORATION

2750 YELLOWSTONE HOT SPOT: NEW MAGNETIC AND SEISMIC EVIDENCE. Smith, R.B.; Shuey, R.T.; Freidline, R.O.; Otis, R.M.; Alley, L.B. Geology (Boulder); 2: No. 9, 451-455(1974).
YELLOWSTONE NATIONAL PARK;SEISMIC SURVEYS; MAGNETIC SURVEYS;EARTHQUAKES;TECTONICS;HEAT FLOW;HOT SPRINGS

2751 PRELIMINARY STUDY OF HEAT FLOW IN *WESTERN NORTH DAKOTA*. Scattolini, R.; Howell, F.L. EOS, Trans., Am. Geophys. Union; 55: No. 5, 557(1974).
NORTH DAKOTA;HEAT FLOW;GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS;WELL LOGGING

2752 DEPTH OF INVESTIGATION IN RESISTIVITY METHODS USING LINEAR ELECTRODES. Apparao, A.; Rao, T.G. (Nat. Geophys. Res. Inst., Hyderabad, India). Geophys. Prospect. (Netherlands); 22: No. 2, 211-23(1974).
ELECTRICAL SURVEYS;MEASURING METHODS; ELECTRODES;CONFIGURATION;ELECTRIC CONDUCTIVITY; GEOLOGIC STRATA;MEASURING INSTRUMENTS;DEPTH; OPTIMIZATION

2753 DIRECT INTERPRETATION OF TWO-ELECTRODE RESISTIVITY SOUNDINGS. Kumar, R. (Nat. Geophys. Res. Inst., Hyderabad, India). Geophys. Prospect. (Netherlands); 22: No. 2, 224-37(1974).
ELECTRICAL SURVEYS;DATA PROCESSING;MULTI-PARAMETER ANALYSIS;MATHEMATICS;DIAGRAMS;KERNELS

2754 POOR MAN'S SEISMIC SOURCE: A COMPUTER GAME. Alterman, Z.; Censor, D.; Ginzburg, A.; Schoenberg, M. (Tel-Aviv Univ., Ramat-Aviv, Israel). Geophys. Prospect. (Netherlands); 22: No. 2, 261-71(1974).
Seismic reflection system using moderate-power controlled source. SEISMIC SURVEYS; SEISMIC DETECTION;EQUIPMENT;DESIGN;MATHEMATICAL MODELS;SEISMIC WAVES;SEISMIC EFFECTS;SIMULATION

2755 WIDE-BAND DIGITAL MAGNETOTELLURIC RECORDING SYSTEM. Allsopp, D.F.; Burke, M.D.; Rankin, D.; Reddy, I.K. (Univ. Alberta, Edmonton, Canada). Geophys. Prospect. (Netherlands); 22: No. 2, 272-8(1974).
ELECTROMAGNETIC SURVEYS;RECORDING SYSTEMS; DESIGN;MAGNETIC TAPES;DIGITAL SYSTEMS

2756 MAGNETOTELLURICS, HYDROTHERMAL ZONES AND A GENERAL RESISTIVITY MODEL OF ICELAND. Grillot, L.R.; Thayer, R.E.; Bjornsson, A. EOS, Trans., Am. Geophys. Union; 55: No. 4, 227(1974).
ICELAND;HYDROTHERMAL SYSTEMS;ELECTROMAGNETIC

SURVEYS;ZONES;EARTH CRUST;EARTH MANTLE;ELECTRIC CONDUCTIVITY;GEOTHERMAL ENERGY

2757 ANOMALIES OBSERVED ON WELL LOGS. Hammack, G.W. (Continental Oil Co., Houston, TX); Fertl, W.H. pp V.1-V.22 of Fifteenth Annual Logging Symposium Transactions, McAllen, TX. Houston, TX; Soc. Prof. Well Log Analysts, Inc. (1974).
From 15. annual logging symposium; McAllen, Texas, USA (2 Jun 1974).
WELL LOGGING;DATA PROCESSING;GEOPHYSICAL SURVEYS;COMPARATIVE EVALUATIONS;ELECTRIC CONDUCTIVITY;GEOLOGIC DEPOSITS

2758 REVIEW OF THE USE OF LOGS TO DETERMINE ABNORMAL PRESSURES. Wichmann, P.A. pp C.1-C.16 of Fifteenth Annual Logging Symposium Transactions, McAllen, TX. Houston, TX; Soc. Prof. Well Log Analysts, Inc. (1974).
From 15. annual logging symposium; McAllen, Texas, USA (2 Jun 1974).
WELL LOGGING;PRESSURE MEASUREMENT;GEOLOGIC DEPOSITS;SHALES;WATER;GAMMA DETECTION;NEUTRON SOURCES;ELECTRIC CONDUCTIVITY;SOUND WAVES; RELIABILITY;ACCURACY

2759 GEOPHYSICAL LOGS FROM THE KILAUEA GEOTHERMAL RESEARCH. Keller, G.V. Fifteenth Annual Symposium of Society of Professional Well Log Analysts, McAllen, TX, 2-5 Jun 1974, Transactions. (Paper L). Houston, TX; United States of America (USA); Soc. Prof. Well Log Analysts (1974). 17p.
From 15. Symposium of Professional Well Log Analysts; McAllen, TX (2-5 Jun 1974).
HAWAII;GEOTHERMAL EXPLORATION;BOREHOLES;WELL LOGGING;GEOLOGY;GEOPHYSICAL SURVEYS

2760 TELLURIC CURRENT EXPLORATION FOR GEOTHERMAL ANOMALITIES IN OREGON. Bodvarsson, G.; Couch, R.W.; MacFarlane, W.T.; Tank, R.W.; Whitsett, R.M. Ore Bin; 36: No. 6, 93-107(1974).
Klamath Falls. OREGON;ELECTRICAL SURVEYS; HEAT FLOW;GEOTHERMAL EXPLORATION

2761 THERMAL CONDUCTIVITY PROBES FOR RAPID MEASUREMENTS IN ROCK. Cull, J.P. (Oxford Univ., England). J. Phys. E (GB); 7: No. 9, 771-4(1974).
ROCKS;TEMPERATURE MEASUREMENT;THERMAL CONDUCTIVITY;MEASURING METHODS;PROBES;MEASURING INSTRUMENTS

2762 REMOTE SENSING OF NATURAL RESOURCES. Rudd, R.D. (Univ. Denver, CO). pp 83-103 of Remote sensing. Estes, J.E.; Senger, L.W. (eds.). Santa Barbara, CA; Hamilton Publ. (1974).
REMOTE SENSING;PROSPECTING;EXPLORATION; LITHOLOGY;GEOLOGY;EARTH ATMOSPHERE;EARTH CRUST; BIOSPHERE;HYDROSPHERE

2763 CORRELATION ANALYSIS OF GEOTHERMAL DATA FOR THE SEDIMENTARY BASINS OF INDIA. Negi, J.G.; Panda, P.K.; Pandey, O.P. (National Geophysical Res. Inst., Hyderabad, India). Earth Planet. Sci. Lett.; 21: No. 2, 143-8(Jan 1974).
HEAT FLOW;THERMAL CONDUCTIVITY;GEOTHERMAL GRADIENTS;CORRELATIONS;INDIA

2764 HEAT FLOW FROM EASTERN PANAMA AND NORTHWESTERN COLOMBIA. Sass, J.H.; Munroe, R.J.; Moses, T.H., Jr. (US Geological Survey, Menlo Park, CA). Earth Planet. Sci. Lett.; 21: No. 2, 134-42(Jan 1974).
GEOPHYSICAL SURVEYS;PANAMA;COLOMBIA;HEAT FLOW;DATA

2765 CONSTRAINTS ON TEMPERATURES BENEATH ICELAND FROM MAGNETOTELLURIC DATA. Hermance, J.F.; Grillot, L.R. (Brown Univ., Providence, RI). Phys. Earth Planet. Inter.; 8: No. 1, 1-12(Feb 1974).
ICELAND;GEOTHERMAL GRADIENTS;MAGNETIC SURVEYS;EARTH CRUST;GEOTHERMAL FIELDS

2766 ELECTRICAL PARAMETERS FOR CLAY SAMPLES IN THE FREQUENCY AND TEMPERATURE DEPENDENCE (FIRST RESULTS). Finzi-Contini, G. (Osservatorio Geofisico, Univ. di Siena, Siena, Italy); Veliciu, S. (Inst. de Geofizica Aplicata, Str. Izvor 78, Bucuresti, Rumania). Geothermics; 3: No. 1, 25-9(Mar 1974).
CLAYS;TEMPERATURE DEPENDENCE;ELECTRIC CONDUCTIVITY;PERMITTIVITY;ROCKS;ELECTRICAL PROPERTIES;ELECTRICAL SURVEYS;GEOTHERMAL RESOURCES

2767 EARTH'S THERMAL GRADIENT. Schubert, G.; Anderson, O.L. (Univ. California, Los Angeles, USA). Phys. Today; 27: No. 3, 28-33(Mar 1974).
EARTH MANTLE;HEAT TRANSFER;TECTONICS;HEAT FLOW;GEOTHERMAL GRADIENTS

2768 METHOD OF SEISMIC EXPLORATION. Chelminski, S.V. (to Bolt Associates, Inc.). Canadian Patent 943,227. 5 Mar 1974. Filed date 25 Apr 1973.
SEAS;SEISMIC SURVEYS;MEASURING METHODS;SOUND WAVES;EARTH CRUST

2769 METHOD AND APPARATUS FOR CARRYING OUT DIGITAL MEASUREMENTS IN BOREHOLES. Vincze, J. (to Magyar Allami Eotvos Lorand Geofizikai Intezet.). Canadian Patent 944,453. 26 Mar 1974. Filed date 17 Jun 1971.
GEOPHYSICAL SURVEYS;DATA PROCESSING; BOREHOLES;MEASURING METHODS

2770 ELECTRICAL RESISTIVITY TECHNIQUES IN GEOTHERMAL EXPLORATION. Meidav, T. Geotherm. Energy Mag.; 2: No. 4, 27-32(Apr 1974).
GEOTHERMAL RESOURCES;ELECTRICAL SURVEYS; ELECTRIC CONDUCTIVITY;ROCKS;MAPS;GEOTHERMAL FIELDS;IMPERIAL VALLEY;CALIFORNIA

2771 BOREHOLE THERMAL CONDUCTIVITY MEASUREMENTS. Howell, E.P. (to Atlantic Richfield Co.). Canadian Patent 944,971. 9 Apr 1974. Filed date 7 Oct 1971.
BOREHOLES;GEOLOGIC DEPOSITS;THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS;DESIGN; TEMPERATURE MEASUREMENT

2772 METHOD AND APPARATUS FOR LOCATING GEOTHERMAL SOURCES OF ENERGY. Sayer, W.L. US Patent 3,805,587. 23 Apr 1974. Filed date 22 Jan 1973.
GEOTHERMAL EXPLORATION;EARTH CRUST;THERMAL CONDUCTIVITY;HEAT TRANSFER;MEASURING METHODS; GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS

2773 METHODS FOR THERMAL WELL LOGGING. Smith, H.D., Jr. (to Texaco, Inc.). US Patent 3,807,727. 30 Apr 1974. Filed date 17 Jul 1972.

BOREHOLES;TEMPERATURE MEASUREMENT;WELL LOGGING;MEASURING INSTRUMENTS;THERMAL CONDUCTIVITY;SPECIFIC HEAT;GEOLOGIC DEPOSITS

2774 HEAT FLOW TRANSDUCER FOR THERMAL SURVEYS. Rawson, D.E. US Patent 3,808,889. 7 May 1974. Filed date 5 Oct 1972.
HEAT FLOW;EARTH MANTLE;MEASURING INSTRUMENTS; TRANSDUCERS;BOREHOLES;TEMPERATURE MEASUREMENT; DESIGN

2775 HEAT FLUX ESTIMATION IN GEOTHERMAL AREAS BASED ON THE HEAT BALANCE OF THE GROUND SURFACE. Sekioka, M. (Defense Acad., Yokosuka, Kanagawa, Japan); Yuhara, K. J. Geophys. Res.; 17: No. 14, 2053-8(10 May 1974).
Data from Hakone volcano area using infrared radiation thermometer. JAPAN;GEOTHERMAL FIELDS; VOLCANIC REGIONS;HEAT FLOW;MEASURING METHODS; INFRARED SURVEYS;SOILS;SURFACES;TEMPERATURE MEASUREMENT

2776 HEAT FLUX ESTIMATION IN GEOTHERMAL AREAS BASED ON THE HEAT BALANCE OF THE GROUND SURFACE. Sekioka, M. (Inst. Meteor., Defense Acad., Yokosuka, Kanagawa 239, Japan); Yuhara, K. (National Research Center for Disaster Prevention, Ginza, Tokyo 104. Japan). J. Geophys. Res.; 79: No. 14, 2053-8(10 May 1974).
GEOTHERMAL FIELDS;HEAT FLOW;INFRARED SURVEYS; THERMOMETERS;CALORIMETRY;MEASURING METHODS; DISTRIBUTION;VOLCANIC REGIONS

2777 SEISMIC EXPLORATION METHOD. Weller, C.E. (to Shell Oil Co.). US Patent 3,812,457. 21 May 1974. Filed date 17 Nov 1969.
SEISMIC SURVEYS;SEISMIC NOISE;SEISMIC DETECTION;DATA PROCESSING

2778 PRELIMINARY RESULTS OF GEOTHERMAL WELLS. MESA 6-1 AND MESA 6-2 EAST MESA KGRA, IMPERIAL VALLEY, CALIFORNIA. Mathias, K.E. (US Bur. Reclamation, Boulder City, Nevada). Geotherm. Energy Mag.; 2: No. 6, 8-17(Jun 1974).
From 55. Annual meeting of American Geophysical Union; Washington, DC (12 Apr 1974).
IMPERIAL VALLEY;CALIFORNIA;GEOTHERMAL WELLS; DESALINATION;GEOPHYSICAL SURVEYS;PERFORMANCE; TEMPERATURE MEASUREMENT;HEAT TRANSFER;FLUID FLOW;THERMAL WATERS;CHEMICAL ANALYSIS;SCALING; PIPELINES

2779 TERRESTRIAL HEAT FLOW MEASUREMENTS NEAR ROSIGNANO SOLVAY (TUSCANY), ITALY. Fanelli, M.; Squarci, P. (Consiglio Nazionale delle Ricerche, Inst. Internazionale per le Ricerche Geotermiche, Lungarno Pacinotti 55, Pisa, Italy); Loddo, M.; Mongelli, F. (Inst. di Geodesia e Geofisica, Univ. di Bari, Italy). Geothermics; 3: No. 2, 65-73(Jun 1974).
THERMAL CONDUCTIVITY;TEMPERATURE GRADIENTS; ITALY;GEOPHYSICAL SURVEYS;HEAT FLOW

2780 SEISMIC NOISE SURVEY AT SOLFATARA CRATER, PHLEGRAEAN FIELDS, ITALY. Cappello, P.; Lo Bascio, A.; Luongo, G. (Osservatorio Vesuviano, 80056 Ercolano - Napoli, Italy). Geothermics; 3: No. 2, 76-80(Jun 1974).
SEISMIC SURVEYS;ITALY;SEISMIC NOISE; SEISMOGRAPHS;GEOTHERMAL FIELDS

2781 MAGNETOTELLURIC MASTER CURVES AFFECTED BY BOTH ELECTRICAL FREQUENCY DISPERSION AND TEMPERATURE. Finzi-Contini, G.; Losito, G. (Osservatorio Geofisico, Univ. Siena, 53100 Siena, Italy). Geothermics; 3: No. 2, 74-5(Jun 1974).
From 1. Congress of the European Geophysical Society; Zurich (Sep 1973).
GEOPHYSICAL SURVEYS;ROCKS;ELECTRICAL PROPERTIES;TEMPERATURE DEPENDENCE;DIAGRAMS; ELECTROMAGNETIC SURVEYS;FREQUENCY DEPENDENCE

2782 SURVEY OF REMOTE SENSING APPLICATIONS. Deutsch, M. (NWWA, Columbus, Ohio). Water Well J.; 28: No. 7, 35-38(Jul 1974).
WATER RESOURCES;EXPLORATION;REMOTE SENSING

2783 MEASUREMENT OF EARTH MEDIUM ELECTRICAL CHARACTERISTICS: TECHNIQUES, RESULTS, AND APPLICATIONS. Lytle, R.J. (Lawrence Livermore Lab., Livermore, Calif., USA). IEEE Trans. Geosci. Electron. (USA); GE-12: No. 3, 81-101(Jul 1974).
SOILS;ROCKS;GEOLOGIC DEPOSITS;ELECTRICAL PROPERTIES;MEASURING METHODS;MEASURING INSTRUMENTS;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;THERMAL CONDUCTIVITY

2784 HEAT FLOW, RADIOACTIVE HEAT GENERATION, AND THEORETICAL TECTONICS FOR NORTHWESTERN MEXICO. Smith, D.L. (Univ. Florida, Gainesville, USA). Earth Planet. Sci. Lett.; 23: No. 1, 43-52(Aug 1974).
MEXICO;HEAT FLOW;TECTONICS;GEOTHERMAL FIELDS

2785 SEISMIC NOISE MEASUREMENTS IN YELLOWSTONE NATIONAL PARK. Iyer, H.M.; Hitchcock, T. (US Geological Survey, Menlo Park, CA). Geophysics; 39: No. 4, 389(Aug 1974).
YELLOWSTONE NATIONAL PARK;SEISMIC SURVEYS; GEOTHERMAL FIELDS;SEISMIC NOISE;OLD FAITHFUL GEYSER;FREQUENCY DEPENDENCE

2786 SEISMIC NOISE MEASUREMENTS IN YELLOWSTONE NATIONAL PARK. Iyer, H.M.; Hitchcock, T. (US Geological Survey, Menlo Park, CA). Geophysics; 39: No. 4, 389-400(Aug 1974).
YELLOWSTONE NATIONAL PARK;SEISMIC NOISE;OLD FAITHFUL GEYSER;FUMAROLES;GEYSERS;HOT SPRINGS; CONVECTION;SEISMIC SURVEYS

2787 PRELIMINARY STUDIES OF SOME GEOTHERMAL AREAS IN INDIA. Gupta, M.L.; Sukhija, B.S. (National Geophysical Research Inst., Hyderabad 500007, India). Geothermics; 3: No. 3, 103-12(Sep 1974).
INDIA;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;TRITIUM;THERMAL WATERS;CHEMICAL COMPOSITION;HOT SPRINGS; GEOCHEMISTRY;GEOTHERMAL FIELDS

2788 NATURAL ELECTRIC FIELD SURVEY IN THREE SOUTHERN ITALY GEOTHERMAL AREAS. Rapolla, A. (Istituto di Geol. e Geofis., Univ. degli Studi, Largo S. Marcellino 10, Napoli, Italy). Geothermics; 3: No. 3, 118-21(Sep 1974).
ITALY;GEOTHERMAL FIELDS;ELECTRICAL SURVEYS; ELECTRIC FIELDS

2789 TAG HYDROTHERMAL FIELD. Scott, R.B.; Scott, M.R. (Texas A and M Univ., College Station, USA); Rona, P.A.; McGregor, B.A. Nature (London); 251: No. 5473, 301-2(27 Sep 1974).
ATLANTIC OCEAN;GEOTHERMAL FIELDS;MANGANESE;

DEPOSITION;GEOLOGIC DEPOSITS;SEDIMENTS; GEOPHYSICAL SURVEYS;CHEMICAL COMPOSITION; HYDROTHERMAL SYSTEMS

2790 GEOMAGNETIC MEASUREMENTS IN DRILL HOLES THROUGH LAYERED STRATA. Kristjansson, L. (Sci. Inst., Univ. Iceland, Reykjavik (Iceland)). Geoexploration; 13: No. 1, 45-55(1975).
BOREHOLES;MAGNETIC SURVEYS;GEOLOGIC STRATA; ICELAND;LAVA;EQUATIONS;LAYERS

2791 GEOLOGIC SETTING AND CHEMICAL CHARACTERISTICS OF HOT SPRINGS IN WEST-CENTRAL ALASKA. Miller, T.P.; Barnes, I.; Patton, W.W. Jr. J. Res. U.S. Geol. Surv.; 3: No. 2, 149-162(1975).
HOT SPRINGS;ALASKA;GEOLOGY;METEORIC WATER; CHEMICAL COMPOSITION;GEOTHERMOMETRY;MEDIUM TEMPERATURE;HIGH TEMPERATURE;THERMAL WATERS; GRANITES;IGNEOUS ROCKS;GEOTHERMAL RESOURCES; GEOCHEMICAL SURVEYS

2792 NATURE AND REGIONAL SIGNIFICANCE OF HEAT FLOW IN THE WESTERN U. S. Blackwell, D.D. (Southern Methodist Univ., Dallas). pp 1001 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
USA;HEAT FLOW;GEOLOGIC STRUCTURES;GEOLOGIC FAULTS;REVIEWS;EARTH CRUST

2793 FINITE-ELEMENT MODELING OF HEAT FLOW ACROSS THE RIO GRANDE RIFT NEAR THE VALLES CALDERA. Bridwell, R.J.; McGetchin, T.R.; Travis, B.J.; Albright, J.N. (Los Alamos Scientific Lab., NM). pp 1009 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
1.4 to 5.0 HFV. HEAT FLOW;EARTH CRUST;EARTH MANTLE;NEW MEXICO;MATHEMATICAL MODELS;RIFT ZONES;BOREHOLES;TEMPERATURE MEASUREMENT

2794 MARYSVILLE GEOTHERMAL PROJECT: REVIEW OF 1974 ACTIVITIES. LaMori, P.N.; McSpadden, W.R. (Battelle Northwest, Richland, WA). pp 1334 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
MONTANA;BOREHOLES;GEOTHERMAL GRADIENTS; GEOLOGICAL SURVEYS;HOT-WATER SYSTEMS;GEOTHERMAL SYSTEMS;GEOTHERMAL EXPLORATION;WELL LOGGING; TEMPERATURE MEASUREMENT;HEAT FLOW

2795 TELESEISMIC P-DELAYS IN GEOTHERMAL EXPLORATION WITH APPLICATION TO LONG VALLEY, CALIFORNIA. Steeples, D.W. Stanford, CA; Stanford Univ. (1975). 237p. University Microfilms Order No. 75-25,612.
Thesis (Ph. D.).
CALIFORNIA;GEOTHERMAL EXPLORATION;SEISMIC P WAVES;SEISMIC SURVEYS;MICROEARTHQUAKES;ROCKS; HEAT;MATHEMATICAL MODELS;VELOCITY;GEOTHERMAL FIELDS

2796 INTER-BOREHOLE ACOUSTIC MEASUREMENTS AND THEIR USE IN ENGINEERING GEOLOGY. McCann, D.M.; Grainger, P. (Inst. Geol. Sci., Exhibition Rd., London); McCann, C. (Univ. Reading, Geology Dept., Whiteknights Park, Reading). Geophysical Prospecting; 23: No. 1, 50-69(Mar 1975).
SEISMIC SURVEYS;GEOLOGY;GEOLOGIC STRATA; WELLS;BOREHOLES;FRACTURES;WELL LOGGING; MEASURING METHODS

2797 AID TO OIL HUNTERS: ME EXPLORATION. Pirson, S.J. Oil Gas J.; 73: No. 13, 121-122; 126-129(31 Mar 1975).
Magnetoelectric. PETROLEUM;MAGNETIC SURVEYS; ELECTRICAL SURVEYS;NATURAL GAS;MINERALS; GEOTHERMAL ENERGY;ELECTROCHEMISTRY; ELECTROMETALLURGY;GEOLOGY;EXPLORATION;REDOX POTENTIAL;WELL LOGGING;ELECTRIC POTENTIAL; HYDROCARBONS

2798 ADVANCES IN GEOPHYSICAL SUBSURFACE DETECTION. Freedman, S. (Chemalloy Electronics Corp., Gillespie Airport, Santee, CA). Calif. Min. J.; 44: No. 9, 10-11, 13(May 1975).
GEOPHYSICAL SURVEYS;MEASURING INSTRUMENTS; MINERALS;PETROLEUM;GEOLOGIC DEPOSITS; EARTHQUAKES;OILS;GROUND WATER;UNDERGROUND; EXPLORATION

2799 APPLICATION OF MICROEARTHQUAKE SURVEYS IN GEOTHERMAL EXPLORATION. Rotstein, Y. Geotherm. Energy Mag.; 3: No. 9, 30-33(Sep 1975).
MICROEARTHQUAKES;SEISMIC SURVEYS;GEOTHERMAL EXPLORATION;CALIFORNIA;GEOTHERMAL FIELDS

2800 MAJOR GEOTHERMAL ANOMALY IN THE GULF OF CALIFORNIA. Lawver, L.A. (Univ. of California, San Diego, La Jolla); Williams, D.L.; Von Herzen, R.P. Nature (London); 257: 23-28(4 Sep 1975).
30 μ cal/cm²/sec. GULF OF CALIFORNIA;HEAT FLOW;SEISMIC SURVEYS;BASALT;SEA BED;GEOTHERMAL GRADIENTS;MAPS

2801 PASSIVE SEISMIC EXPLORATION PROGRAM. Geotherm. Energy Mag.; 3: No. 11, 27(Nov 1975).
SEISMIC SURVEYS;GEOTHERMAL EXPLORATION; MICROEARTHQUAKES;SEISMIC NOISE;COST;RECORDING SYSTEMS;SEISMOGRAPHS

2802 ANALYSIS OF MAGNETIC ANOMALIES OVER YELLOWSTONE NATIONAL PARK: MAPPING OF CURIE POINT ISOTHERMAL SURFACE FOR GEOTHERMAL RECONNAISSANCE. Bhattacharyya, B.K.; Lei-kuang Leu. (Dept. Materials Sci. and Engineering, Univ. of California, Berkeley). J. Geophys. Res.; 80: No. 32, 4461-5(10 Nov 1975).
YELLOWSTONE NATIONAL PARK;MAGNETIC SURVEYS; MAPS;GEOTHERMAL EXPLORATION;SURFACES;CURIE POINT

Geochemical Techniques and Surveys

Refer also to citation(s) 123, 336, 381, 382, 398, 626, 674, 681, 721, 728, 763, 813, 820, 904, 912, 929, 966, 1006, 1025, 1030, 1031, 1040, 1063, 1104, 1136, 1143, 1145, 1229, 1231, 1255, 1268, 1271, 1272, 1285, 1288, 1289, 1317, 1325, 1340, 1389, 1394, 1395, 1401, 1403, 1410, 1411, 1413, 1415, 1416, 1418, 1442, 1451, 1459, 1467, 1476, 1491, 1497, 1518, 1525, 1526, 1537, 1540, 1561, 1591, 1596, 1604, 1605, 1609, 1643, 1645, 1652, 1673, 1682, 1696, 1707, 1709, 1723, 1724, 1725, 1731, 1750, 1762, 1763, 1764, 1768, 1770, 1773, 1776, 1777, 1790, 1810, 1824, 1825, 1826, 1827, 1835, 1850, 1852, 1854, 1855, 1868, 1890, 1891, 1892, 1893, 1915, 1924, 1956, 1961, 1963, 1969, 1973, 1974, 1975, 1977, 1987, 2001, 2003, 2085, 2177, 2190, 2299, 2400, 2443, 2548,

2644, 2683, 2684, 2738, 2787, 3357, 3383, 4170, 4953, 4986, 5097, 5215, 5221

2803 (INS--764, pp 53-54) GAS GEOTHERMOMETRY. Lyon, G.L.; Cox, M.A.; Hulston, J.R. Apr 1974.
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS; TEMPERATURE MEASUREMENT;METHANE;CARBON DIOXIDE; HYDROGEN;WATER VAPOR;CARBON 13;CARBON 12; DEUTERIUM;ISOTOPE RATIO;GEOTHERMOMETRY;GASES; HYDROGEN ISOTOPES;CARBON ISOTOPES;GEOTHERMAL FLUIDS

2804 (INS--764, pp 54-55) STABLE ISOTOPE RATIOS OF VOLCANIC STEAM FROM WHITE ISLAND. Hulston, J.R. Apr 1974.
VOLCANIC REGIONS;NATURAL STEAM;TEMPERATURE MEASUREMENT;DEUTERIUM;HYDROGEN;OXYGEN 18;OXYGEN 16;ISOTOPE RATIO;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;SALINITY;NEW ZEALAND

2805 (INS--764, pp 81) WATER TRACING IN GEOTHERMAL AREAS. Barry, B. Apr 1974.
GEOTHERMAL FIELDS;HYDROLOGY;TRACER TECHNIQUES;IODINE 125;INJECTION WELLS

2806 (LA--5595) PRELIMINARY STUDY OF THE QUALITY OF WATER IN THE DRAINAGE AREA OF THE JEMEZ RIVER AND RIO GUADALUPE. Purtyman, W.D.; West, F.G.; Adams, W.H. (Los Alamos Scientific Lab., N.Mex. (USA)). Apr 1974. 26p. NTIS $4.00; $2.25 (mf).
GROUND WATER;SURFACE WATERS;NEW MEXICO;JEMEZ MOUNTAINS;BOREHOLES;WATER POLLUTION;SAMPLING; GEOCHEMICAL SURVEYS;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;QUALITY CONTROL;WATER POLLUTION

2807 (LA--5595-MS) PRELIMINARY STUDY OF THE QUALITY OF WATER IN THE DRAINAGE AREA OF THE JEMEZ RIVER AND RIO GUADALUPE. Purtymun, W.D.; West, F.G.; Adams, W.H. (Los Alamos Scientific Lab., N.Mex. (USA)). Apr 1974. Contract W-7405-eng-36. 26p. Dep. NTIS $4.00.
SURFACE WATERS;GROUND WATER;NEW MEXICO; CHEMICAL ANALYSIS;HOT SPRINGS;BOREHOLES; HYDROLOGY;CHEMICAL COMPOSITION

2808 (LBL--3232) RADIOACTIVITY OF GEOTHERMAL SYSTEMS. Wollenberg, H.A. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). May 1975. Contract W-7405-ENG-48. 28p. (CONF-750525--12). Dep. NTIS $4.50.
GEOTHERMAL SYSTEMS;HOT SPRINGS;RADON 222; RADIUM 226;NEVADA;GEOTHERMAL EXPLORATION; RADIOACTIVITY;URANIUM;THERMAL WATERS

2809 (LBL--3268) NON-DISPERSIVE SOFT X-RAY FLUORESCENCE ANALYSES OF ROCKS AND WATERS. Herbert, A.J.; Bowman, H.R. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). May 1975. Contract W-7405-ENG-48. 17p. (CONF-750525--17). Dep. NTIS $4.50.
Samples from geothermal areas in north-central Nevada. X-RAY FLUORESCENCE ANALYSIS; ROCKS;WATER;CHEMICAL ANALYSIS;NEVADA; COMPARATIVE EVALUATIONS;GEOTHERMOMETERS;HOT SPRINGS;SAMPLING;THERMAL WATERS

2810 (LBL--4422) SAMPLING HOT SPRINGS FOR RADIOACTIVE AND TRACE ELEMENTS. Wollenberg, H.A. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). Oct 1975. Contract W-7405-eng-48. 24p. (CONF-751086--3). Dep. NTIS $3.50.
HOT SPRINGS;SAMPLING;TRACE AMOUNTS; RADIOACTIVITY;GEOCHEMICAL SURVEYS; GEOTHERMOMETRY;CHEMICAL COMPOSITION;X-RAY FLUORESCENCE ANALYSIS;ACTIVATION ANALYSIS; RADIOMETRIC ANALYSIS;NEVADA

2811 (PB--218830, pp 79) THERMAL WATERS OF TURKMENIA. Sokolovskiy, L.G.; Shaberdyyev, S. 1967.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; MINERALS;HYDROGEN SULFIDES;USES

2812 (PB--219376) ENTHALP, COMPUTER PROGRAM FOR THE CALCULATION OF AQUIFER CHEMISTRY IN HOT-WATER GEOTHERMAL SYSTEMS. Treusdell, A.H. (Geological Survey, Menlo Park, Calif. (USA)). Mar 1973. 72p. (USGS-GD--73-006). NTIS $4.50; $1.45 (mf).
AQUIFERS;GEOCHEMISTRY;COMPUTER CODES; ENTHALPY;CHEMICAL COMPOSITION;THERMAL WATERS; MATHEMATICAL MODELS;HOT-WATER SYSTEMS;BOREHOLES

2813 (PB--219376) ENTHALP, A COMPUTER PROGRAM FOR THE CALCULATION OF AQUIFER CHEMISTRY IN HOT-WATER GEOTHERMAL SYSTEMS. FINAL REPORT. Truesdell, A.H. (Geological Survey, Menlo Park, Calif. (USA)). Mar 1973. 76p. (USGS-GD--73-006). NTIS $4.50; $0.95 (mf).
HOT-WATER SYSTEMS;AQUIFERS;CALIFORNIA; THERMAL WATERS;CHEMICAL COMPOSITION;ENTHALPY; GEOTHERMAL EXPLORATION;COMPUTER CODES;E CODES

2814 (PB--240419) MINERAL CONTENT OF SELECTED GEOTHERMAL WATERS. Sanders, J.W.; Miles, M.J. (Nevada Univ., Las Vegas. Cent. Water Resour. Research). 1974. 43p. NTIS.
GEOTHERMAL RESOURCES;THERMAL WATERS;MINERALS; CHEMICAL COMPOSITION;RECOVERY;ABUNDANCE;USA; GEOCHEMICAL SURVEYS;INFORMATION SYSTEMS;DATA COMPILATION

2815 CHEMISTRY OF THOLEIITES FROM THE REYKJANES RIDGE AND CHARLIE GIBBS FRACTURE ZONE. Campsie, J.; Bailey, J.C.; Rasmussen, M.; Dittmer, F. (Univ. Copenhagen, Denmark). Nature (London) Phys. Sci.; 244: No. 135, 71-3
ICELAND;ATLANTIC OCEAN;BASALT;GEOLOGIC FAULTS;MAGMA;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS;MICROANALYSIS;GEOLOGY

2816 HELIUM ISOTOPES IN GASES FROM THERMAL SPRINGS IN ICELAND. Kononov, V.I.; Mamyrin, B.A.; Polyak, B.G.; Khabarin, L.V. Dokl. Akad. Nauk SSSR; 217: No. 1, 172-5([nd]).
ICELAND;HOT SPRINGS;THERMAL WATERS;HELIUM 3; HELIUM 4;ISOTOPE RATIO;HELIUM ISOTOPES;GEYSERS

2817 OCCURRENCE OF STIBNITE AT STEAMBOAT SPRINGS, NEVADA. Lindgren, W. A.I.M.E., Bull.; No. 2, 275-278(1905).
STEAMBOAT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY;ANTIMONY SULFIDES;ABUNDANCE

2818 DATA OF GEOCHEMISTRY. Clarke, F.W. U. S. Geol. Surv., Bull. 330. Washington, D. C.; United States of America (USA); U. S. Geol. Surv. (1908). 716p.
Book. GEOCHEMISTRY;HOT SPRINGS;MINERAL SPRINGS;VOLCANOES;MAGMA;DATA

2819 OCCURRENCE OF PENTATHIONIC ACID IN NATURAL WATERS. MacLaurin, J.S. *Proc. Chem. Soc. London*; 27: 10-12(1912).
NEW ZEALAND;VOLCANIC REGIONS;SURFACE WATERS; CHEMICAL COMPOSITION;ORGANIC SULFUR COMPOUNDS; ORGANIC ACIDS;ABUNDANCE

2820 COMPOSITION OF SOME NEW MEXICO WATERS. Hare, R.F.; Mitchell, S.R. NM Coll. Agr. Mech. Arts, Agr. Expt. Sta., *Bulletin* 83. Sante Fe, NM; Mexico; NM Coll. Agr. Mech. Arts, Agr. Expt. Sta. (1912). 76p.
NEW MEXICO;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION

2821 A PRELIMINARY STUDY OF THE WATERS OF THE JEMEZ PLATEAU, NEW MEXICO. Kelly, C.; Anspach, E.V. *Univ. NM Bull., Chem. Ser.*; 1: No. 1, 72(1913).
NEW MEXICO;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION

2822 COMPARISON OF WATERS OF MINES AND OF HOT SPRINGS. Emmons, W.H.; Harrington, G.L. Econ. Geol.; 8: 653-669(1913).
HOT SPRINGS;MAGMATIC WATER;MINERALS;CHEMICAL ANALYSIS;THERMAL WATERS;GROUND WATER;CHEMICAL COMPOSITION

2823 OCCURRENCE OF STIBNITE AND METASTIBNITE AT STEAMBOAT SPRINGS, NEVADA. Jones, J.C. Geol. Soc. Am., Bull.; 25: No. 1, 126(1914).
STEAMBOAT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ANTIMONY SULFIDES;GEOLOGIC DEPOSITS; ARSENIC SULFIDES;SODIUM COMPOUNDS;SULFUR COMPOUNDS;ABUNDANCE;MINERALS;GEOLOGY

2824 WATER ANALYSES FROM THE LABORATORY OF THE UNITED STATES GEOLOGICAL SURVEY. Clarke, F.W. U.S. Geol. Surv., Water-Supply Paper 364. Washington, D.C.; United States of America (USA); U.S. Geological Surv. (1914). 40p.
USA;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2825 WATER SUPPLIES IN THE PHILIPPINE ISLANDS, 2. Heise, G.W. Philipp. J. Sci.; 10: No. 2, Sec. A, 135-69(1915).
PHILIPPINES;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION

2826 RADIOACTIVITY IN THERMAL GASES AT THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Bradley, W.W. CA Min. Bur. Rpt.; 18: No. 10, 545-550(1922).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GAS ANALYSIS;PLANNING;RADIOACTIVITY; GASES;RADIATION HAZARDS;GEOTHERMAL FLUIDS

2827 DATA OF GEOCHEMISTRY. Clarke, F.W. US Geological Survey Bulletin 770. Washington, DC; United States of America (USA); US Geological Survey (1924). 841p.
NEW ZEALAND;HOT SPRINGS;THERMAL WATERS;ROCKS; CHEMICAL COMPOSITION;MINERALS

2828 CONSTITUENTS AND GENESIS OF A FEW MINERALS PRODUCED FROM HOT SPRINGS AND THEIR VICINITIES IN JAPAN. Suganuma, I. Bull. Chem. Soc. Jpn.; 69-72, 73-76, 87-89(1928).
JAPAN;HOT SPRINGS;MINERALS;DEPOSITION;BARIUM SULFATES;LEAD SULFATES;PH VALUE;HYDROCHLORIC ACID;ALUMINIUM SULFATES;HYDROGEN SULFIDES; CARBON DIOXIDE;ARAGONITE;PRECIPITATION;CALCIUM CARBONATES;CHEMICAL COMPOSITION

2829 ACID GASES AND INCRUSTATIONS IN THE VALLEY OF TEN THOUSAND SMOKES (KATMAI, ALASKA). Zies, E.G. pp 77-80 of Report of the director of the geophysical laboratory, yearbook 27. Washington; Carnegie Inst. (1928).
ALASKA;FUMAROLES;GEOCHEMISTRY;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;HYDROGEN SULFIDES; HYDROCHLORIC ACID;HYDROFLUORIC ACID;ABUNDANCE

2830 FUMAROLES AND BOILING SPRINGS OF TUSCANY AND THE BORAX INDUSTRY. Nasini, R. Rome; Italy; (1930). 652p.
ITALY;FUMAROLES;HOT SPRINGS;CHEMICAL COMPOSITION;BORIC ACID;ABUNDANCE;ORIGIN;IGNEOUS ROCKS;ARGON;HELIUM;NATURAL STEAM;BY-PRODUCTS; RECOVERY;FUMAROLIC FLUIDS

2831 PSEKUPS MINERAL SPRINGS. Ignatovitch, I. Trans. 97. Union of Soviet Socialist Republics (USSR); United Geol. Prosp. Serv. USSR (1932). 187p. (In Russian with English summary).
USSR;MINERAL SPRINGS;TEMPERATURE MEASUREMENT; FLOW RATE;THERMAL WATERS;HOT SPRINGS;CHEMICAL COMPOSITION;GEOCHEMISTRY;SANDSTONES;BROMINE; IODINE;HYDROGEN SULFIDES;METHANE;CARBON DIOXIDE; HYDROGEN;ABUNDANCE

2832 MINERALIZATION OF THE THERMAL WATERS OF AIX-LES-BAINS (SAVOY) AND ITS GEOLOGICAL SIGNIFICANCE. Lepape, A.; Moret, L.; Schneider, G. *Acad. Sci. Compt. Rend.*; 198: No. 19, 1706-7(1934).
FRANCE;THERMAL WATERS;CHEMICAL COMPOSITION; HELIUM;ARGON;ORIGIN;HYDROLOGY;GEOLOGY; MINERALIZATION

2833 THERMAL SPRINGS OF KAMCHATKA. Piyp, B.I. Acad. Sci. USSR, Kamchatka, Volcanol. Sta. *Proc.*; No. Ser. 2, 268(1937).
USSR;HOT SPRINGS;CHEMICAL COMPOSITION; THERMAL WATERS;GEYSERS;VOLCANIC REGIONS; METEORIC WATER;IGNEOUS ROCKS;SODIUM SULFATES; NITROGEN;MINERALIZATION;SODIUM CHLORIDES;CARBON DIOXIDE;ARSENIC;ANTIMONY;COPPER;ZINC;TIN; CARBONATES;IRON SULFATES;KAOLIN;MINERALS

2834 CHEMICAL ANALYSIS OF 30 MINERAL SPRINGS OF PERU. Marquez, V.C. Soc. Quim. Peru Bol.; 3: No. 1, 15-45(1937).
PERU;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2835 RADIOACTIVITY OF THE THERMAL WATERS, GASES, AND DEPOSITS OF YELLOWSTONE NATIONAL PARK. Schlundt, H.; Breckenridge, G.F. Geol. Soc. Am., Bull.; 49: No. 4, 525-38(1938).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEYSERS;RADIOACTIVITY;RADIUM;PH VALUE;THERMAL WATERS;ABUNDANCE

2836 MANGANESE IN A THERMAL SPRING IN WEST-CENTRAL UTAH. Callaghan, E.; Thomas, H.E. Econ. Geol.; 34: No. 8, 905-20(1939).
UTAH;HOT SPRINGS;CHEMICAL COMPOSITION;PH VALUE;FLOW RATE;SODIUM CHLORIDES;CALCIUM SULFATES;MAGNESIUM CHLORIDES;CALCIUM CARBONATES; MANGANESE OXIDES;ORES;IRON OXIDES;HYDROTHERMAL ALTERATION;ROCKS;LEACHING;GROUND WATER;ORIGIN; PRECIPITATION;ABUNDANCE;THERMAL WATERS

2837 STUDIES OF THE HOT SPRINGS OF NEW

ZEALAND. Day, A.L. pp 290-3 of Washington Yearbook 38. Washington, DC; Carnegie Inst. (1939).
NEW ZEALAND;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;HYDROTHERMAL SYSTEMS; YELLOWSTONE NATIONAL PARK;ICELAND

2838 CHEMICAL ANALYSIS OF THERMAL SPRINGS IN NORTHWEST CROATIA. Miholic, S.S. Internatl. Acad. Yougoslav. Sci. Zagreb., Cl. Sci. Math., Nat.; 33: 49-55(1940).
YUGOSLAVIA;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;METALS;ABUNDANCE

2839 STUDY OF THE MINERAL WATERS OF ROGASKA SLATINA. Rezek, A. Acad. Sci. Arts Ljubljana, Cl. Mat., Hist. Nat., Prirodoslovne Razprave; 4: 100-101(1940).
YUGOSLAVIA;HOT SPRINGS;MINERAL SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION;MINERALS; ABUNDANCE;THERMODYNAMIC PROPERTIES

2840 RHEUMATISM AND ARGENTINE MINERAL WATERS. Castillo, M. Buenos Aires; Argentina; 'El Ateneo' (1940). 233p.
ARGENTINA;HOT SPRINGS;CHEMICAL COMPOSITION; THERMAL WATERS;MINERAL SPRINGS

2841 CARBON DIOXIDE GAS OCCURRENCE IN MENDOCINO AND NORTHERN SONOMA COUNTIES. Hubbard, H.G. pp 301-9 of California Division of Mines, 39th Report of State Mineralogist. Sacramento; Calif. Div. Mines (1943).
CARBON DIOXIDE;HYDROTHERMAL SYSTEMS;THERMAL WATERS;CHEMICAL COMPOSITION;MAGMA;CALIFORNIA; ABUNDANCE

2842 CHEMICAL ANALYSIS OF THE THERMAL WATERS OF STUBICKE TOPLICE. Miholic, S.S. Internatl. Acad. Yougoslav. Sci. Zagreb, Cl. Sci. Math., Nat., Bull.; 35: 152-156(1945).
YUGOSLAVIA;THERMAL WATERS;CHEMICAL COMPOSITION;ZINC;GEOLOGIC FAULTS;COPPER;NICKEL; ORIGIN;TECTONICS

2843 MINERALS OF STEAMBOAT SPRINGS, NEVADA. Gianella, V.P.; White, D.E. Am. Mineral.; 32: No. 3-4, 200-201(1946).
STEAMBOAT SPRINGS;GEOLOGY;MINERALS;CHEMICAL COMPOSITION;SULFIDES;GOLD;MERCURY;SULFURIC ACID; COPPER SULFATES;IRON SULFATES;METEORIC WATER; BASALT;GRANODIORITES;HYDROTHERMAL ALTERATION; QUARTZ;CLAYS;GEOLOGIC DEPOSITS;THERMAL WATERS; NATURAL STEAM;GASES

2844 OBSERVATIONS AT ''THE GEYSERS,'' SONOMA COUNTY, CALIFORNIA. Bradley, W.W. CA Jour. Mines Geol.; 42: No. 3, 295-298(1946).
Temperature data and gas analysis. GEYSERS GEOTHERMAL FIELD;GEYSERS;NATURAL STEAM;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;GAS ANALYSIS

2845 TURKISH MINERAL WATERS AND THERMAL SPRINGS. Caglar, K.O. Mineral Studies Res. Inst. Pub.; No. 11, Ser. B, Pt. 1, 1-94(1947).
TURKEY;HOT SPRINGS;MINERAL SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2846 TURKISH MINERAL WATERS AND THERMAL SPRINGS. Caglar, K.O. Mineral Studies Res. Inst. Pub.; No. 11, Ser. B, Pt. 2, 95-318(1948).
TURKEY;HOT SPRINGS;MINERAL SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2847 PRELIMINARY GEOCHEMICAL RESULTS AT STEAMBOAT SPRINGS, NEVADA. Brannock, W.W.; Fix, P.F.; Gianella, V.P.; White, D.E. Trans. Am. Geophys. Union; 29: No. 2, 211-26(1948).
NEVADA;STEAMBOAT SPRINGS;GEOCHEMISTRY; TEMPERATURE MEASUREMENT;THERMAL WATERS;GEOLOGIC DEPOSITS;PH VALUE;GOLD;ANTIMONY;ABUNDANCE; SILVER;MERCURY;COPPER;ARSENIC;CHEMICAL COMPOSITION

2848 NEW ZEALAND'S HOT SPRINGS. Healy, J. New Zealand Sci. Rev.; 7: No. 7, 122-123(1949).
NEW ZEALAND;HOT SPRINGS;ORIGIN;THERMAL WATERS;CHEMICAL COMPOSITION;MINERALS;GASES;PH VALUE

2849 THERMAL SPRINGS AND THEIR POSSIBLE SIGNIFICANCE IN THE FUTURE DISCOVERY OF ORE DEPOSITS. White, D.E.; Thompson, G.A.; Brannock, W.W. Econ. Geol.; 44: No. 1, 83(1949).
STEAMBOAT SPRINGS;HOT SPRINGS;GEOCHEMISTRY; GEOLOGIC DEPOSITS;ORES;MINERALS;PROSPECTING; ROCKS;HYDROTHERMAL ALTERATION

2850 TURKISH MINERAL WATERS AND THERMAL SPRINGS. Cagler, K.O. Mineral Studies Res. Inst. Pub.; No. 11, Ser. B, Pt. 3, 319-638(1950).
TURKEY;HOT SPRINGS;MINERAL SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2851 DETERMINATION OF BORON IN WATERS AND SOILS OF PERU. Maldonado, A.; De Dios Guevara, J.R. Soc. Quim. Peru Bol.; 16: No. 1, 5-31(1950).
PERU;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;BORON;SOILS;ABUNDANCE

2852 TURKISH MINERAL AND THERMAL WATERS. Caglar, K.O. Ankara; Turkey; (1950). 645p.
TURKEY;MINERAL SPRINGS;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2853 SOURCES OF HEAT AND WATER SUPPLY OF THERMAL SPRINGS, WITH PARTICULAR REFERENCES TO STEAMBOAT SPRINGS, NEVADA. White, D.E.; Brannock, W.W. Trans. Am. Geophys. Union; 31: No. 4, 566-74(1950).
NEVADA;STEAMBOAT SPRINGS;GEOLOGY;HYDROLOGY; GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;FLOW RATE;TEMPERATURE MEASUREMENT; GEOTHERMAL GRADIENTS;VOLCANIC REGIONS;MINERALS; ABUNDANCE;STRATIFICATION

2854 ORIGIN OF BORON IN THE GROUND WATERS OF CALIFORNIA. Logan, J.A. Geol. Soc. Am., Bull.; 62: No. 12, Pt. 2, 1505(1951).
CALIFORNIA;HOT SPRINGS;GROUND WATER;THERMAL WATERS;CHEMICAL COMPOSITION;BORON;ABUNDANCE; ORIGIN

2855 CARBONATES IN THERMAL WATERS. Schwabe, G.H. Int. Ver. Theor. Angew. Limnol., Verh.; 11: 341-361(1951).
ICELAND;VOLCANIC REGIONS;THERMAL WATERS; CHEMICAL COMPOSITION;CARBONATES;ORIGIN

2856 STUDY BY ''ENDOGENIC FORCES'' OF THE NEAPOLITAN REGION. Penta, F. Boll. Soc. Geol. Ital.; 69: No. 3, 567-587(1951).
ITALY;NATURAL STEAM;THERMAL WATERS;CHEMICAL

COMPOSITION;SOILS;RADIOACTIVITY

2857 CHEMICAL INVESTIGATION OF THE HOT SPRINGS OF THE NEW ZEALAND THERMAL REGION. Wilson, S.H. pp 449-46 of 7th Cong., Pacific Sci. Assoc., New Zealand, 1949, Proc., Vol. 2. Wellington; Pacific Science Assoc. (1953).
NEW ZEALAND;HOT SPRINGS;GEOCHEMISTRY;MAGMA; CHLORIDES;SULFATES;CHEMICAL COMPOSITION;GROUND WATER;HYDROGEN SULFIDES;PH VALUE;THERMAL WATERS

2858 THERMAL WATER IN THE JOBAN COAL FIELD. Nakamura, H.; Ando, T. Chishitsu Chosasho Geppo; 4: No. 6, 1-28(1953). (In Japanese with English summary).
JAPAN;HOT SPRINGS;THERMAL WATERS; GEOCHEMISTRY;CHEMICAL COMPOSITION;MINERALS; GRANITES;CARBON DIOXIDE;ORIGIN;GEOLOGY;COAL

2859 ISOTOPIC GEOCHEMISTRY OF HOT SPRINGS. Craig, H. Geol. Soc. Am., Bull.; 64: No. 12, Pt. 2, 1410(1953).
YELLOWSTONE NATIONAL PARK;GEYSERS GEOTHERMAL FIELD;LARDERELLO GEOTHERMAL FIELD;STEAMBOAT SPRINGS;CALIFORNIA;HOT SPRINGS;THERMAL WATERS; ISOTOPE RATIO;GEOCHEMISTRY

2860 GEOCHEMICAL STUDIES ON THE DISTRICT AROUND MT. NORIKURA (1) ON THE HOT SPRINGS 'SHIRAHONE'. Torii, T.; Yamagata, N.; Shima, M. Onsen Kagaku; 6: No. 2, 15-17(1954). (In Japanese with English summary).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOCHEMICAL SURVEYS;SULFUR;ALKALI METALS

2861 RADON CONTENT OF HOT SPRINGS IN TOTTORI PREFECTURE, JAPAN. Oshima, Y.; Yamanda, N.; Mifune, M. Okayama Univ. Balneol. Inst. Lab. Rpt.; No. 14, 1-4(1954).
JAPAN;HOT SPRINGS;RADON;QUANTITY RATIO; GRANITES;THERMAL WATERS;MINERAL SPRINGS;SODIUM CHLORIDES;SULFATES;SALINITY;ABUNDANCE;CHEMICAL COMPOSITION

2862 GEOCHEMICAL RESEARCH ON THE MINERAL WATERS OF MONTECATINI SPRINGS (PISTOIA). Carobbi, G.; Cipriani, C. Soc. Mineral. Italiana Rend.; No. 10, 226-252(1954).
ITALY;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;SEAWATER;METEORIC WATER;MINERAL SPRINGS

2863 GEOCHEMICAL STUDIES OF THE MINERAL SPRINGS OF MONTECATINI-TERME (PISTOIA, ITALY). Carobbi, G.; Cipriani, C. Fortschr. Mineral.; 32: 86(1954).
ITALY;MINERAL SPRINGS;GEOCHEMISTRY;METEORIC WATER;MAGMATIC WATER;MIXING

2864 ISOTOPIC GEOCHEMISTRY OF THERMAL WATERS. Craig, H.; Boato, G.; White, D.E. Geol. Soc. Am., Bull.; 65: No. 12, Pt. 2, 1243(1954).
YELLOWSTONE NATIONAL PARK;NEW ZEALAND; THERMAL WATERS;METEORIC WATER;HOT SPRINGS; GROUND WATER;PH VALUE;GEOCHEMISTRY;ISOTOPE RATIO;DEUTERIUM;OXYGEN 18;HYDROGEN ISOTOPES; OXYGEN ISOTOPES;CHEMICAL ANALYSIS;SURFACE WATERS

2865 ISOTOPIC GEOCHEMISTRY OF HOT SPRINGS. Craig, H. Am. Mineral.; 39: No. 3-4, 322(1954).
HOT SPRINGS;GEOCHEMISTRY;ISOTOPE RATIO; CARBON ISOTOPES;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;NITROGEN ISOTOPES;IGNEOUS ROCKS; YELLOWSTONE NATIONAL PARK;STEAMBOAT SPRINGS; GEYSERS GEOTHERMAL FIELD;LARDERELLO GEOTHERMAL FIELD;METEORIC WATER;MAGMATIC WATER;THERMAL WATERS;CHEMICAL COMPOSITION

2866 CHEMICAL INVESTIGATIONS. Wilson, S.H. N.Z. J. Sci. Tech.; 38: No. 8, Sec. B, 914(1955).
GEOCHEMICAL SURVEYS;THERMAL WATERS;NATURAL STEAM;CHEMICAL COMPOSITION;GASES;WAIRAKEI GEOTHERMAL FIELD;HOT SPRINGS;CHLORIDES

2867 STUDIES ON NATURAL STEAM AT EBINO HOT SPRING IN MIYAZAKI PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 611-26(1955). (In Japanese with English summary).
JAPAN;NATURAL STEAM;HOT SPRINGS;CHEMICAL COMPOSITION;THERMAL WATERS;VOLCANIC REGIONS; GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS;GEOTHERMAL EXPLORATION; HYDROGEN SULFIDES;CARBON DIOXIDE;SULFUR DIOXIDE

2868 GEOCHEMISTRY OF THE ISOTOPES IN METEORIC WATER AND OF THERMAL ORIGIN. Boato, G.; Craig, H. pp 22-9 of 1st Congress of Nuclear Geology, Rome, 1955, Acta. Rome; Comit. Naz. Ric. Nucleari (1955).
METEORIC WATER;THERMAL WATERS;ISOTOPE RATIO; RAIN;EVAPORATION;CONDENSATES;GEOCHEMISTRY

2869 FLUORINE IN THERMAL SPRINGS OF LOW MINERAL CONTENT. Alekseev, A.A. Geokhimiya; No. 4, 58-63(1956).
FLUORINE;GEOCHEMISTRY;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;FUMAROLES;ABUNDANCE

2870 GEOCHEMICAL INVESTIGATION OF GEYSERS IN JAPAN. Noguchi, K. pp 228-40 of Proceedings of 8th Congress of Pacific Science Association, Quezon City, Philippines, 1953, Volume 2. Pacific Sci. Assoc. (1956).
JAPAN;GEYSERS;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;TEMPERATURE DISTRIBUTION

2871 ISOTOPIC GEOCHEMISTRY OF THERMAL WATERS. Craig, H.; Boato, G.; White, D.E. pp 29-38 (Chap. 5) of Nuclear processes in geologic settings, Publ. 400. Washington, D.C.; Natl. Res. Council (1956).
HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS; DEUTERIUM;OXYGEN 18;ISOTOPE RATIO;METEORIC WATER;PH VALUE;SULFATES;CHLORINE;SURFACE WATERS; ROCKS;ISOTOPIC EXCHANGE;ABUNDANCE;HYDROGEN ISOTOPES;OXYGEN ISOTOPES

2872 MATSUKAWA GEOTHERMAL DISTRICT IN IWATE PREFECTURE. Ando, T.; Watanabe, K. Jap. Geol. Surv. Bull.; 8: No. 10, 29-32(1957).
JAPAN;NATURAL STEAM;CHEMICAL COMPOSITION; DRILLING;MATSUKAWA GEOTHERMAL FIELD;CHLORIDES; BOREHOLES;ORIGIN;GEOCHEMICAL SURVEYS

2873 PROBABLE HYDROTHERMAL ORIGIN OF AN ACTUAL URANIUM LOCALIZATION IN THE SOUTHERN VOSGES. Jurain, G. Soc. Sav., Sec. Sci., Compt. Rend., (82nd Cong.); 23-30(1957).
BOREHOLES;FRANCE;GEOCHEMISTRY;URANIUM; SULFIDES;IRON;HYDROXIDES;CHEMICAL COMPOSITION; DRILL CORES;THERMAL WATERS;ROCKS

2874 DEPOSITION OF MERCURIC SULFIDE AT AMEDEE HOT SPRINGS, CALIFORNIA. Dickson, F.W.; Tunell, G.; Lawrence, E.F.; Horton, R. Geol. Soc. Am., Bull.; 68: No. 12, 1822(1957).

HOT SPRINGS;MERCURY SULFIDES;PRECIPITATION; CHEMICAL COMPOSITION;CALIFORNIA

2875 SESSHO-GAWARE GEOTHERMAL REGION IN GUMMA PREFECTURE. Ando, T. Chishitsu Chosasho Geppo; 8: No. 3, 131-7(1957). (In Japanese with English abstract).
JAPAN;GEOTHERMAL FIELDS;HOT SPRINGS;GEOLOGY; QUARTZ;FELDSPARS;TUFF;CHEMICAL COMPOSITION; SULFUR;HYDROGEN SULFIDES;ROCKS;HYDROTHERMAL ALTERATION;CLAYS;IRON SULFIDES;BOREHOLES; STRATIFICATION;FUMAROLIC FLUIDS;THERMAL WATERS

2876 THERMAL WATERS OF VOLCANIC ORIGIN. White, D.E. Geol. Soc. Am., Bull.; 68: No. 12, Pt. 1, 1637-1657(1957).
VOLCANOES;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;MAGMA;METEORIC WATER;MAGMATIC WATER; ROCKS;CHEMICAL REACTIONS

2877 HOT SPRINGS IN THE SOUTHERN AND CENTRAL PARTS OF THE KII PENINSULA. Nakamura, H.; Maeda, K.; Suzuki, T. Chishitsu Chosasho Geppo; 9: No. 5, 357-70(1958). (In Japanese with English summary).
JAPAN;HOT SPRINGS;CHEMICAL COMPOSITION; ORIGIN;QUARTZ;CHLORINE;CARBONIC ACID DERIVATIVES

2878 GERMANIUM CONTENT OF SOME SPRING WATERS IN KAMCHATKA. Mulikovskaya, E.P.; Tolstikhin, O.N. Geokhimiya; No. 4, 392-5(1958). (English summary).
USSR;HOT SPRINGS;CHEMICAL COMPOSITION; GERMANIUM;ABUNDANCE;BORON;TEMPERATURE DEPENDENCE;MINERALS;ABSORPTION SPECTROSCOPY

2879 APPENDICES (OF TANGANYIKA GEOL. SURV. REC.). Tanganyika Geol. Surv. Rec.; 6: 93-102(1958).
Contains tabulated analytical data. HOT SPRINGS;CHEMICAL COMPOSITION;LIMESTONE;IGNEOUS ROCKS;GASES;GEOCHEMISTRY;THERMAL WATERS

2880 HOT SPRINGS INVESTIGATION PROGRESS REPORT. James, T.C. Tanganyika Geol. Surv. Rec.; 6: 46(1958).
80-135°F. AFRICA;HOT SPRINGS;CHEMICAL COMPOSITION;GEOLOGIC FAULTS;VOLCANOES;FUMAROLIC FLUIDS;BRINES;MEDIUM TEMPERATURE;HELIUM;THERMAL WATERS;GEOLOGIC FAULTS

2881 HOT SPRINGS IN THE SOUTHERN AND CENTRAL PARTS OF THE KII PENINSULA. Natamura, H.; Maeda, K.; Suzuki, T. Japan. Geol. Surv. Bull.; 9: No. 5, 57-70(1958). (In Japanese, English summ.).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;CHLORINE;HYDROGEN COMPOUNDS;CARBONATES;ABUNDANCE

2882 GAMMA RADIOACTIVITY SURVEY OF SOME OF THE GEOTHERMAL AREAS OF THE NORTH ISLAND OF NEW ZEALAND. Belin, R.E. N. Z. J. Geol. Geophys.; 1: No. 1, 156-65(1958).
NEW ZEALAND;GEOTHERMAL FIELDS;GAMMA RADIATION;RADIOACTIVITY;HOT SPRINGS;THERMAL WATERS;RADON

2883 SULPHUR ISOTOPIC VARIATIONS IN NEW ZEALAND GEOTHERMAL BORE WATERS (IN SULPHUR ISOTOPIC VARIATIONS IN NATURE). Rafter, T.A.; Wilson, S.H.; Shilton, B.W. N. Z. J. Sci.; 1: No. 1, Pt. 5, 103-26(1958).
WAIRAKEI GEOTHERMAL FIELD;BOREHOLES;THERMAL WATERS;SULFUR ISOTOPES;ISOTOPE RATIO;CHLORIDES; SULFIDES;GEOTHERMOMETRY;GROUND WATER;ORIGIN; CHEMICAL COMPOSITION;SULFATES

2884 CHEMICAL STUDIES ON THE HOT SPRING OF BEPPU, THE LOCAL SPECIFIC FEATURE OF THE BEPPU HOT SPRING (1). Koga, A. Onsen Kagaku; 9: No. 2-3, 63-8(1958). (In Japanese with English summary).
JAPAN;HOT SPRINGS;THERMAL WATERS;OXYSULFIDES; OXYCHLORIDES;ABUNDANCE;SEAWATER;CHEMICAL COMPOSITION

2885 SPECTROGRAPHIC ANALYSIS OF EVAPORATED RESIDUE OF BEPPU THERMAL WATERS, OITA. Kawakami, H. Onsen Kagaku; 9: 112-17(1958). (In Japanese with English summary).
JAPAN;HOT SPRINGS;CHEMICAL COMPOSITION; GERMANIUM;SILVER;ZINC;CHROMIUM;TRACE AMOUNTS; THERMAL WATERS;ABUNDANCE

2886 REGIONAL PECULIARITY IN BEPPU THERMAL SPRINGS. Koga, A. Onsen Kagaku; 9: No. 2-3, 63-8(1958). (In Japanese with English summary).
JAPAN;HOT SPRINGS;CHEMICAL COMPOSITION; SULFATES;CHLORIDES;SEAWATER;COMPARATIVE EVALUATIONS;TRACE AMOUNTS;THERMAL WATERS

2887 ISOTOPIC FRACTIONATION OF SULFUR IN GEOCHEMICAL PROCESSES. Ault, W.U. pp 241-59 of Researches in geochemistry. New York; John Wiley and Sons (1959).
GEOCHEMISTRY;SULFUR ISOTOPES;ISOTOPE RATIO; GEOLOGIC DEPOSITS;SULFUR;DIFFUSION; GEOTHERMOMETRY;CHEMICAL REACTIONS;ORIGIN;EARTH CRUST

2888 FORMATION OF THE SULFATE ION IN THERMAL WATERS. Ichikuni, M. Geochim. Cosmochim. Acta; 17: No. 1-2, 6-10(1959).
JAPAN;HOT SPRINGS;MAGMATIC WATER; HYDROCHLORIC ACID;HYDROGEN SULFIDES;ANHYDRIDES; SULFURIC ACID;FUMAROLES;CHEMICAL COMPOSITION; OXIDATION;SULFATES;CHLORIDES;THERMAL WATERS; ABUNDANCE

2889 PROBABLE THERMAL SOURCE OF THE HOT SPRINGS IN TOTSUKAWA VALLEY, NARA PREFECTURE, JAPAN. Ueji, T. Onsen Kagaku; 10: No. 2, 29-33(1959).
JAPAN;HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT;FLOW RATE;CHEMICAL COMPOSITION; QUARTZ;SANDSTONES;SHALES;GEOCHEMICAL SURVEYS

2890 OXYGEN ISOTOPE FRACTIONATION IN THE SYSTEM CALCIUM CARBONATE-WATER. Clayton, R.N. J. Chem. Phys.; 30: No. 5, 1246-50(1959).
THERMAL WATERS;ISOTOPE RATIO;OXYGEN ISOTOPES; CALCIUM CARBONATES;HOT SPRINGS;SEDIMENTS;ROCKS; GEOTHERMOMETRY;ERRORS;HIGH TEMPERATURE;VERY HIGH TEMPERATURE;CHEMICAL REACTIONS; HYDROTHERMAL ALTERATION

2891 ISOTOPE GEOLOGY OF THE STEAMBOAT SPRINGS AREA, NEVADA. White, D.E.; Craig, H. Geol. Soc. Am., Bull.; 70: No. 12, Pt. 2, 1696(1959).
NEVADA;STEAMBOAT SPRINGS;GEOCHEMISTRY; THERMAL WATERS;SURFACE WATERS;DEUTERIUM;TRITIUM; OXYGEN 18;OXYGEN 16;CARBON 13;CARBON 12;ISOTOPE RATIO;METEORIC WATER;ICELAND;NEW ZEALAND; FALLOUT;CONNATE WATER;MAGMATIC WATER;ROCKS; HYDROTHERMAL ALTERATION

2892 REGIONAL PROPERTIES OF HOT SPRINGS IN JAPAN, HOT SPRINGS OTHER THAN THOSE OF QUATERNARY VOLCANIC AREAS. Nakamura, H. Jour. Geog.; 68: No. 2, 47-67(1959).
JAPAN;HOT SPRINGS;VOLCANIC REGIONS;ROCKS; CHEMICAL COMPOSITION;ORIGIN;CHLORINE IONS; CARBONATES;HYDROTHERMAL ALTERATION;MAGMATIC WATER;BROMINE IONS;SODIUM IONS;POTASSIUM IONS; THERMAL WATERS;ALKALI METALS

2893 CARBON-DIOXIDE-BEARING HOT SPRINGS IN THE SONGWE RIVER VALLEY, MBEYA DISTRICT. James, T.C. Tanganyika Geol. Surv. Rec.; 7: 73-77(1959).
AFRICA;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;CARBON DIOXIDE;ABUNDANCE; YELLOWSTONE NATIONAL PARK

2894 RADON IN THE NEW ZEALAND GEOTHERMAL REGIONS. Belin, R.E. Geochim. Cosmochim. Acta; 16: No. 1-3, 181-191(1959).
NEW ZEALAND;GEOTHERMAL FIELDS;NATURAL RADIOACTIVITY;FUMAROLES;FUMAROLIC FLUIDS; CHEMICAL COMPOSITION;RADON;RADON 220;ABUNDANCE; ROCKS

2895 PRESENT-DAY HYDROTHERMAL ACTIVITY WITHIN THE KURILE-KAMCHATKA ISLAND ARC AND ITS RELATION TO VOLCANICITY. Ivanov, V.V. Bull. Volcanol.; 20: No. 2, 137-154(1959).
USSR;HOT SPRINGS;GEYSERS;VOLCANIC REGIONS; CHEMICAL COMPOSITION;METEORIC WATER;ORIGIN; THERMAL WATERS;NATURAL STEAM;FUMAROLIC FLUIDS

2896 STUDIES ON THE CHEMICAL COMPOSITION AND LEVELS OF GROUND WATER AT MISASA HOT SPRINGS. Sakanoue, M. Okayama Univ. Balneol. Lab., Rpt.; No. 25, 13-24(1959).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE DEPENDENCE;HYDROLOGY

2897 COPPER AND ZINC CONCENTRATIONS OF THERMAL WATERS IN JAPAN. Ichikuni, M. Geochim. Cosmochim. Acta; 17: No. 3-4, 305-14(1959).
JAPAN;THERMAL WATERS;COPPER;ZINC;CHEMICAL REACTIONS;ABUNDANCE;CHEMICAL COMPOSITION;PH VALUE

2898 SULPHUR ISOTOPIC VARIATIONS IN NATURE, SULPHUR ISOTOPIC MEASUREMENTS ON SULPHUR AND SULPHATES IN NEW ZEALAND GEOTHERMAL AND VOLCANIC AREAS. Rafter, T.A.; Kaplan, I.A.; Hulston, J.R. N. Z. J. Sci.; 3: No. 2, Pt. 7, 209-18(1960).
NEW ZEALAND;GEOTHERMAL FIELDS;VOLCANIC REGIONS;SULFUR ISOTOPES;ISOTOPE RATIO;SULFUR 32; SULFUR 34;NEW GUINEA;SULFATES;GEOCHEMISTRY; GEOCHEMICAL SURVEYS

2899 GEOCHEMISTRY OF ALKALI METAL IONS IN THE WAIRAKEI HYDROTHERMAL SYSTEM. Ellis, A.J.; Wilson, S.H. N. Z. J. Geol. Geophys.; 3: No. 4, 593-617(1960).
HYDROTHERMAL SYSTEMS;GEOCHEMISTRY;ALKALI METAL COMPOUNDS;NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD;ORIGIN;THERMAL WATERS

2900 VOLCANOLOGICAL OBSERVATIONS. Friedman, I. Trans. Am. Geophys. Union; 41: No. 2, 281(1960).
HAWAII;VOLCANOES;GASES;SAMPLING;GEOPHYSICAL SURVEYS;GEOLOGY;SEISMIC SURVEYS;THERMAL WATERS; CHEMICAL COMPOSITION;DEUTERIUM;OXYGEN 18;TRACER TECHNIQUES;FUMAROLIC FLUIDS;ORIGIN

2901 BORON IN SOME NEW ZEALAND GROUND WATERS. Schofield, J.C. N. Z. J. Geol. Geophys.; 3: No. 1, 98-104(1960).
NEW ZEALAND;GROUND WATER;BORON;ABUNDANCE; VOLCANIC REGIONS;MAGMA;CHEMICAL COMPOSITION; GEOLOGIC DEPOSITS

2902 SUMMARY OF CHEMICAL CHARACTERISTICS OF SOME WATERS OF DEEP ORIGIN. White, D.E. pp 452-4 of US Geological Survey, Professional Paper 400-B. Washington, DC; US Geol. Surv. (1960).
GEYSERS;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;METEORIC WATER

2903 PHYSICAL AND CHEMICAL INVESTIGATION OF KETETAHI HOT SPRINGS, (IN THE GEOLOGY OF TONGARIRO SUBDIVISION). Wilson, S.H. Bull. N.Z. Geol. Surv.; No. 40, 124-44(1960).
NEW ZEALAND;VOLCANIC REGIONS;HOT SPRINGS; THERMAL WATERS;SOLFATARAS;CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT;NATURAL STEAM;MAGMATIC WATER

2904 GAS SAMPLING AND ANALYSIS TECHNIQUES OF VOLCANIC FUMAROLES. Fabre, R.; Chaigneau, M. Bull. Volcanol.; 23, Ser. 2: 21-30(1960).
FUMAROLIC FLUIDS;CHEMICAL COMPOSITION; VOLCANOES;EARTH ATMOSPHERE;MAGMA;HELIUM; RADIOACTIVITY;SAMPLING

2905 CHEMICAL STUDIES OF THE HOT SPRING WATERS IN AKITA PREFECTURE. Sahara, R. Akita Univ. Min. Coll., Res. Inst. Underground Res. Rpt.; No. 22, 32-69(1960).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;BRINES;VOLCANIC REGIONS;SALINITY

2906 RECENT VARIATIONS OF CHLORIDE CONTENT AND SPRING ACTIVITY AT WAIRAKEI GEYSER VALLEY. Thompson, G.E.K. N. Z. J. Geol. Geophys.; 3: No. 2, 265-70(1960).
WAIRAKEI GEOTHERMAL FIELD;HOT SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION;PH VALUE; CHLORIDES;ABUNDANCE;ELECTRIC CONDUCTIVITY; GEOCHEMISTRY

2907 FIELD MEASUREMENTS OF SILICA IN WATER FROM HOT SPRINGS AND GEYSERS IN YELLOWSTONE NATIONAL PARK. Morey, G.W. pp 333-6 of US Geological Survey, Professional Paper 424-C. Washington, DC; US Geological Survey (1961).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; GEYSERS;THERMAL WATERS;CHEMICAL COMPOSITION; GEOCHEMISTRY;SILICON OXIDES;CHEMICAL ANALYSIS; ABSORPTION SPECTROSCOPY

2908 GEOCHEMISTRY OF BROMINE AND IODINE IN NEW ZEALAND THERMAL WATERS. Ellis, A.J.; Anderson, D.W. N. Z. J. Sci.; 4: No. 3, 415-30(1961).
NEW ZEALAND;THERMAL WATERS;CHEMICAL COMPOSITION;BROMINE;IODINE;ABUNDANCE;BROMIDES; CHLORIDES;IODIDES;HOT SPRINGS;BOREHOLES; GEOCHEMICAL SURVEYS;VOLCANIC ROCKS;SEDIMENTARY ROCKS

2909 GEOTHERMOMETRIC INVESTIGATIONS ON THE METALLIFEROUS DEPOSIT IN THE NISTRU BASIN, BAIA MARE REGION. Pomirleanu, V.V. Iasi Univ. An. Stiint.; 7: No. 1, Sec. 2, 149-54(1951). (In Russian with French summary).
ROMANIA;QUARTZ;GEOTHERMAL GRADIENTS;GEOLOGIC

DEPOSITS;TEMPERATURE MEASUREMENT;INCLUSIONS; GEOTHERMOMETRY;HYDROTHERMAL SYSTEMS; GEOCHEMISTRY

2910 CHEMICAL COMPOSITION OF FUMAROLE GASES OBTAINED FROM IWATE. Naguchi, K. Volcanol. Soc. Jap. Bull.; 5: No. 3, Ser. 2, 163-8(1961). (In Japanese with English summary).
JAPAN;VOLCANOES;FUMAROLES;FUMAROLIC FLUIDS; AMMONIUM COMPOJNDS;CHLORIDES;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS

2911 ALKALI ION ANALYSIS OF THERMAL WATERS IN NEW ZEALAND. Golding, R.M.; Speer, M.G. N. Z. J. Sci.; 4: No. 2, 203-13(1961).
NEW ZEALAND;THERMAL WATERS;LITHIUM;SODIUM; POTASSIUM;RUBIDIUM;CESIUM;PH VALUE;VOLCANIC REGIONS;CHLORIDES;SULFATES;SPECTROPHOTOMETRY; CHEMICAL COMPOSITION

2912 ARSENIC AND ANTIMONY IN SOME NEW ZEALAND THERMAL WATERS. Ritchie, J.A. N. Z. J. Sci.; 4: No. 2, 218-29(1961).
Rotorua-Taupo region. NEW ZEALAND;THERMAL WATERS;ARSENIC;ANTIMONY;CHLORIDES;CHEMICAL COMPOSITION;ABUNDANCE

2913 EXAMPLE OF VARIATION IN CONSTITUENTS OF HOT SPRINGS. Umemoto, S. Geochim. Cosmochim. Acta; 21: No. 3/4, 239-46(1961).
JAPAN;HOT SPRINGS;VARIATIONS;CHEMICAL COMPOSITION;GEOCHEMISTRY;THERMAL WATERS

2914 EXPLORATION OF SUBSURFACE TEMPERATURE IN ICELAND. Bodvarsson, G.; Palmason, G. Joekull (Reykjavik); 11: 39-48(1961).
ICELAND;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;BOREHOLES;TEMPERATURE MONITORING;THERMAL WATERS;CHEMICAL COMPOSITION;FLUID FLOW; PERFORMANCE;TEMPERATURE GRADIENTS;NATURAL STEAM; DRILLING FLUIDS;DRILLING;HEAT FLOW;SILICON OXIDES

2915 GEOCHEMISTRY OF MOLYBDENUM IN NATURAL WATERS (2). Sugawara, K.; Okabe, S.; Tanaka, M. J. Earth Sci., Nagoya Univ.; 9: No. 1, 114-28(1961).
MOLYBDENUM;GEOCHEMISTRY;THERMAL WATERS;HOT SPRINGS;JAPAN;CHEMICAL COMPOSITION;SEAWATER; GROUND WATER;SEDIMENTS;ABUNDANCE

2916 PH OF A NATURAL HYDROTHERMAL SOLUTION. Wilson, S.H. Geochim. Cosmochim. Acta; 25: No. 3, 233-5(1961).
THERMAL WATERS;PH VALUE;ACCURACY;WAIRAKEI GEOTHERMAL FIELD;CORRECTIONS;ERRORS;NEW ZEALAND

2917 GEOCHEMICAL STUDIES ON MINERAL SPRINGS, PT. 9, ON THE HOT SPRINGS IN KAMIGANO VILLAGE, IZU. Hattori, Y. Onsen Kagaku; 12: No. 1, 12-22(1961). (In Japanese with English summary).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;FLOW RATE; CHEMICAL COMPOSITION;THERMAL WATERS;CALCIUM; SULFATES

2918 NITROGEN GAS IN HOT-SPRING WATERS. Yuhara, K. Volcan. Soc. Jap.; 6: No. 3, 115-27(1961). (In Japanese with English summary).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE DEPENDENCE;OXYGEN; NITROGEN;ABUNDANCE;GROUND WATER;ABUNDANCE

2919 ISOTOPIC COMPOSITION OF HYDROGEN AND VARIATION OF VOLCANIC HYDROTHERMAL ACTIVITY. Murozumi, M. Volcanol. Soc. Japan Bull.; 6: No. 1, 42-46(1961).
JAPAN;HOT SPRINGS;CHEMICAL COMPOSITION; HYDROGEN ISOTOPES;DEUTERIUM;ISOTOPE RATIO; BOILING;THERMAL WATERS

2920 TYPES OF JAPANESE VOLCANIC THERMAL WATER. Sato, K. Jpn. J. Geol. Geogr.; 32: No. 2, 293-315(1961).
JAPAN;VOLCANIC REGIONS;THERMAL WATERS; CHEMICAL COMPOSITION;YELLOWSTONE NATIONAL PARK; NEW ZEALAND;ICELAND;HAWAII;SULFUR;CHLORINE;PH VALUE;MAGMATIC WATER;HOT SPRINGS;VOLCANOES

2921 CHEMICAL NATURE OF FUMAROLIC GASES OF VOLCANO SHOWASHINZAN, HOKKAIDO, JAPAN. Matsuo, S. Nagoya Univ. Jour. Earth Sci.; 9: No. 1, 80-100(1961). (In Japanese).
JAPAN;VOLCANOES;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;CHEMICAL REACTIONS;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;GEYSERS GEOTHERMAL FIELD;METHANE;YELLOWSTONE NATIONAL PARK;WAIRAKEI GEOTHERMAL FIELD

2922 RESEARCHES ON THE HOT SPRING GROUP IN ARIMA. Okamoto, N. Geophys. Mag. (Tokyo); 31: No. 2, 275-312(1962).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;SALINITY;MAGMA;CARBON DIOXIDE

2923 MASS SPECTROMETER MEASUREMENTS IN THE THERMAL AREAS OF NEW ZEALAND, CARBON ISOTOPIC RATIOS. Hulston, J.R.; McCabe, W.J. Geochim. Cosmochim. Acta; 26: No. 3, Pt. 2, 399-410(1962).
NEW ZEALAND;HYDROTHERMAL SYSTEMS; GEOCHEMISTRY;WAIRAKEI GEOTHERMAL FIELD;CHEMICAL COMPOSITION;CARBON ISOTOPES;METHANE;CARBON DIOXIDE;BOREHOLES;FUMAROLES;ISOTOPE RATIO; GEOCHEMICAL SURVEYS;CARBONATES;GEOTHERMOMETRY; THERMAL WATERS;FUMAROLIC FLUIDS;WAIOTAPU GEOTHERMAL FIELD;TEMPERATURE MEASUREMENT

2924 MASS SPECTROMETER MEASUREMENTS IN THE THERMAL AREAS OF NEW ZEALAND, CARBON DIOXIDE AND RESIDUAL GAS ANALYSES. Hulston, J.R.; McCabe, W.J. Geochim. Cosmochim. Acta; 26: No. 3, Pt. 1, 383-97(1962).
HYDROTHERMAL SYSTEMS;CHEMICAL COMPOSITION; GEOCHEMISTRY;MASS SPECTROSCOPY;ARGON ISOTOPES; NITROGEN;CARBON DIOXIDE;METHANE;THERMAL WATERS; NEW ZEALAND;TEMPERATURE MEASUREMENT;FUMAROLIC FLUIDS;GEOTHERMAL FIELDS;GEOCHEMICAL SURVEYS; CHEMICAL ANALYSIS;ISOTOPE RATIO;ARGON;ABUNDANCE

2925 CHEMICAL SURVEY OF THE STEAM AND WATER DISCHARGED FROM DRILLHOLES AND HOT SPRINGS AT KAWERAU. Mahon, W.A.J. N. Z. J. Sci.; 5: No. 4, 417-33(1962).
KAWERAU GEOTHERMAL FIELD;THERMAL WATERS; GEOCHEMICAL SURVEYS;HOT SPRINGS;GEOTHERMAL WELLS;CHEMICAL COMPOSITION

2926 CHEMICAL COMPOSITION OF VOLCANIC GASES IN JAPAN. Iwasaki, I. Bull. Volcanol.; 24: 23-48(1962).
JAPAN;VOLCANOES;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;HOT SPRINGS;HYDROGEN;CHLORINE; SULFUR DIOXIDE;HYDROGEN SULFIDES;HYDROCHLORIC ACID;SULFATES

2927 NATURE OF CHLORIDES OF DEEP BRINES. Kapchenko, L.N. Sov. Geol.; No. 3, 96-107(1962).
USSR;BRINES;VOLCANIC REGIONS;THERMAL WATERS;

CHEMICAL COMPOSITION;ARTESIAN BASINS; MINERALIZATION;MINERALS;HYDROCARBONS;MAGMA; SODIUM CHLORIDES

2928 CARBONATE MINERAL WATERS OF KAMCHATKI. Tolstikhin, O.N. Sov. Geol.; No. 10, 75-87(1962).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION;ION EXCHANGE;CONNATE WATER;FELDSPARS;LEACHING; CHLORIDES;CARBONATES;MAGNESIUM;CALCIUM;SODIUM; GEOCHEMISTRY;GEOLOGY;CALCIUM CARBONATES;HOT SPRINGS

2929 CARBON DIOXIDE AND HYDROGEN SULPHIDE CONTENT OF STEAM FROM DRILLHOLES AT WAIRAKEI, NEW ZEALAND. Mahon, W.A.J. N. Z. J. Sci.; 5: No. 1, 85-98(1962).
WAIRAKEI GEOTHERMAL FIELD;NATURAL STEAM; CHEMICAL COMPOSITION;CARBON DIOXIDE;HYDROGEN SULFIDES;ABUNDANCE;BOREHOLES;THERMAL WATERS; ORIGIN

2930 GEOCHEMICAL INVESTIGATIONS OF GEYSERS IN JAPAN. Iwasaki, I. Tokyo Inst. Tech., Bull. 46. Tokyo; Japan; Tokyo Inst. Tech. (1962). 60p.
JAPAN;GEYSERS;CHEMICAL COMPOSITION;THERMAL WATERS;FUMAROLIC FLUIDS;HOT SPRINGS;FLOW RATE

2931 VOLCANIC GASES IN JAPAN. Iwasaki, I.; Ozawa, T.; Yoshida, M.; Katsura, T.; Iwasaki, B.; Kamada, M.; Hirayama, M. Tokyo Inst. Tech., Bull. 47. Tokyo; Japan; Tokyo Inst. Tech. (1962). 54p.
JAPAN;VOLCANIC REGIONS;HOT SPRINGS;VOLCANOES; FUMAROLES;CHEMICAL COMPOSITION;RADIOACTIVITY; FUMAROLIC FLUIDS;THERMAL WATERS;RADIUM;THORIUM; ABUNDANCE

2932 ANALYSIS OF MINERAL WATERS OF LAMALOU HOT SPRINGS. Ann. Inst. Hydrol. Climatol. Med.; 30: No. 86-7, 1-74(1962).
FRANCE;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY;HYDROLOGY

2933 CARBON ISOTOPIC COMPOSITION OF CARBON DIOXIDE AND METHANE FROM STEAM JETS OF TUSCANY. Ferrara G.C.; Ferrara, G.; Gonfiantini, R. (Larderello Co., Italy). pp 275-282 of Nuclear geology on geothermal areas symposium, Spoleto, Italy, 9-13 Sep 1973. Pisa, Italy; National Research Council, Nuclear Geology Lab. (1963).
From Geothermal Areas Symposium; Spoleto, Italy (9-13 Sep 1973).
LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM; CARBON DIOXIDE;CHEMICAL COMPOSITION;METHANE; EXPLORATION;ISOTOPE DATING;GEOCHEMICAL SURVEYS; SAMPLING;CHEMICAL ANALYSIS;ISOTOPIC EXCHANGE

2934 CHEMICAL INVESTIGATIONS AT WAIOTAPU. Wilson, S.H. pp 87-118 of Waiotapu geothermal field. (Bulletin 155). New Zealnad Dept. Sci. Indust. Res. (1963).
NEW ZEALAND;WAIOTAPU GEOTHERMAL FIELD; THERMAL WATERS;BOREHOLES;CHEMICAL COMPOSITION; CHLORIDES;ABUNDANCE;GEOLOGIC FAULTS;GEOCHEMICAL SURVEYS

2935 BORON IN WATERS AND ROCKS OF NEW ZEALAND HYDROTHERMAL AREAS. Ellis, A.J.; Sewell, J.R. N. Z. J. Sci.; 6: 589-606(1963).
NEW ZEALAND;ROCKS;THERMAL WATERS;CHEMICAL COMPOSITION;BORON;CHLORIDES;ABUNDANCE;CHEMICAL REACTIONS;GEOTHERMAL FIELDS

2936 CONDITIONS OF RECENT HYDROTHERMAL METAMORPHISM OF VOLCANIC ROCKS. Naboko, S.I. Sov. Geol.; No. 1, 131-45(1963).
PAUZHETSK GEOTHERMAL FIELD;THERMAL WATERS; CHEMICAL COMPOSITION;VOLCANIC ROCKS;WAIRAKEI GEOTHERMAL FIELD;CHEMICAL REACTIONS; HYDROTHERMAL ALTERATION;LEACHING;QUARTZITES; ZEOLITES;PH VALUE;METAMORPHIC ROCKS;ZONES

2937 ISOTOPIC COMPOSITION AND ORIGIN OF THE THERMAL WATERS AND GASES OF THE MASSIF CENTRAL. Fontes, J.-C.; Glangeaud, L.; Gonfiantini, R.; Tongiorgi, E. Acad. Sci. Compt. Rend.; 256: No. 2, 472-4(1963).
FRANCE;THERMAL WATERS;ISOTOPE RATIO;OXYGEN ISOTOPES;METEORIC WATER;HOT SPRINGS;CARBON DIOXIDE;TEMPERATURE DEPENDENCE;CARBON ISOTOPES; MAGMATIC WATER;CHEMICAL COMPOSITION;ORIGIN

2938 HYDROGEOCHEMICAL MATERIALS. Bogomolov, G.V.; Balashov, L.S. (eds.). Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Lab. Gigrogeol. Problem. (1963). 130p.
SURFACE WATERS;GROUND WATER;THERMAL WATERS; GEOCHEMISTRY;SALINITY;CHEMICAL COMPOSITION; CLAYS

2939 MINERAL WATERS OF EASTERN SIBERIA. Tkachuk, V.G. (ed.). Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Sibir. Otdel. Inst. Zemoi Kory (1963). 151p.
USSR;THERMAL WATERS;MINERAL SPRINGS;CHEMICAL COMPOSITION

2940 RELEASING-ADDITION METHOD FOR THE FLAME-PHOTOMETRIC DETERMINATION OF CALCIUM IN THERMAL WATERS. Rowe, J.J. Geochim. Cosmochim. Acta; 27: No. 8, 915-23(1963).
THERMAL WATERS;CHEMICAL COMPOSITION;CALCIUM; CHEMICAL ANALYSIS;PHOTOMETRY;SULFATES;SILICON OXIDES;POTASSIUM;SODIUM;ALUMINIUM;PHOSPHATES; MAGNESIUM

2941 THERMAL SPRINGS AT LILANI, NATAL, AND THEIR GEOLOGIC SETTING. Gevers, T.W. Trans. Geol. Soc. S. Afr.; 66: 129-56(1963).
SOUTH AFRICA;HOT SPRINGS;GEOLOGIC FAULTS; TEMPERATURE DISTRIBUTION;SALINITY;CHEMICAL COMPOSITION;THERMAL WATERS

2942 TRITIUM DETERMINATIONS ON BORE WATERS IN THE LIGHT OF CHLORIDE-ENTHALPY RELATIONS. Wilson, S.H. pp 173-84 of Nuclear geology on geothermal areas (Spoleto, 1963). Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1963).
NEW ZEALAND;HOT SPRINGS;THERMAL WATERS; TRITIUM;ISOTOPE RATIO;GEOCHEMISTRY;ABUNDANCE; HYDROGEN ISOTOPES;CHLORIDES;ENTHALPY

2943 ISOTOPE GEOLOGY IN THE HYDROTHERMAL AREAS OF NEW ZEALAND. Hulston, J.R. pp 259 of United Nations Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
NEW ZEALAND;GEOTHERMAL FIELDS;WAIRAKEI GEOTHERMAL FIELD;FUMAROLES;CARBON 13;CARBON DIOXIDE;METHANE;SULFUR ISOTOPES;ISOTOPE RATIO; FUMAROLIC FLUIDS;HYDROGEN ISOTOPES;TEMPERATURE MEASUREMENT;OXYGEN 16;HYDROGEN;DEUTERIUM;OXYGEN 18;GEOTHERMOMETRY;GEOTHERMAL FLUIDS;GEOCHEMICAL SURVEYS

2944 CHEMICAL SURVEY OF THE HOT SPRING AND DRILL HOLE WATERS OF TAUPO BOROUGH. Sarbutt, J.V. N. Z. J. Sci.; 7: No. 4, 491-505(1964).
NEW ZEALAND;THERMAL WATERS;CHEMICAL COMPOSITION;CHLORIDES;SULFATES;CARBONATES;HOT SPRINGS;BOREHOLES

2945 FLUORINE IN THE NATURAL THERMAL WATERS OF NEW ZEALAND. Mahon, W.A.J. N. Z. J. Sci.; 7: No. 1, 1-28(1964).
NEW ZEALAND;THERMAL WATERS;CHEMICAL COMPOSITION;FLUORINE;ABUNDANCE;VOLCANIC REGIONS; HOT SPRINGS;BOREHOLES;SOLFATARAS;FUMAROLES; ROCKS;CHEMICAL REACTIONS;SOLUBILITY;FLUORIDES

2946 THERMOMINERAL SOURCES OF THE VIETNAM CENTER. Fontaine, H. Archives Geol. Viet-Nam; No. 6, 19-22(1964).
SOUTH VIETNAM;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;SILICON OXIDES;SALINITY

2947 WATER COLLECTION AND ANALYSIS FROM THERMAL SOURCES AND VAPOUR MANIFESTATIONS. Nencetti, R. pp 317-25 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (In French with English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
THERMAL WATERS;GEOCHEMICAL SURVEYS;HOT SPRINGS;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS; BY-PRODUCTS;HYDROGEN SULFIDES;SAMPLING;BORIC ACID;AMMONIA;NATURAL STEAM;GEOTHERMAL FIELDS

2948 SAMPLING AND ANALYSIS OF GASES IN NATURAL STEAM WELLS. Nencetti, R. pp 304-16 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (In French with English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL WELLS;GAS ANALYSIS;CHEMICAL COMPOSITION;NATURAL STEAM;SAMPLING;QUANTITATIVE CHEMICAL ANALYSIS;GAS CHROMATOGRAPHY;ARGON; HELIUM;MOLECULAR SIEVES;GEOTHERMAL FLUIDS; LARDERELLO GEOTHERMAL FIELD;METHANE;NITROGEN; CARBON DIOXIDE;HYDROGEN

2949 MINERAL WATER CONSIDERED IN RELATION TO THEIR CHEMISTRY AND GEOCHEMISTRY. Lecoq, H. Paris; France; J. Rothschild (1864). 463p.
HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT; GEOCHEMISTRY;MINERAL SPRINGS

2950 DIFFERENTIATION OF MAGMATIC EMANATION. Iwasaki, I. Bull. Volcanol.; 27: 79-80(1964).
MAGMA;GASES;MAGMATIC WATER;VOLCANOES;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION; DEPOSITS;FUMAROLIC FLUIDS;PRESSURE DEPENDENCE; TEMPERATURE DEPENDENCE

2951 THERMAL SPRINGS ON FRISCHGEWAAG 236 NEAR PAULPIETERSBURG, NATAL. Temperley, B.N. Annals South African Geological Survey; 3: 139-47(1964).
SOUTH AFRICA;TRANSVAAL;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

2952 CHEMICAL PROSPECTING OF HOT SPRING AREAS FOR UTILIZATION OF GEOTHERMAL STEAM. Wilson, S.H. pp 410-20 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964).
WAIRAKEI GEOTHERMAL FIELD;THERMAL WATERS;HOT SPRINGS;GEYSERS;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;GEOTHERMAL EXPLORATION;GEOCHEMICAL SURVEYS;NATURAL STEAM;NEW ZEALAND

2953 GEOCHEMICAL ASPECTS OF THERMAL SPRINGS IN EL SALVADOR. Christmann, G. pp 145-8 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
HOT SPRINGS;PH VALUE;CHEMICAL COMPOSITION; ISOTOPE SEPARATION;DEUTERIUM;CORRELATIONS; SPECTROSCOPY;THERMAL WATERS;INFRARED SPECTRA;EL SALVADOR;GEOCHEMISTRY

2954 MINERAL WATERS IN BULGARIA. Chterev, K.D.; Martinov, S.L.; Levterov, B.K. Genie Civil; 141: No. 8, 161-164(1964).
BULGARIA;MINERAL SPRINGS;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;GASES

2955 QUESTION OF THE HYDROTHERMAL METAMORPHISM OF ROCKS IN POST-VOLCANIC PROCESSES AS EXEMPLIFIED IN EBEKO VOLCANO (KURILE ISLANDS). Sidorov, S.S. Dokl. Earth Sci. Sect. (Engl. Transl.); 154: No. 1-6, 153-154(1964).
USSR;VOLCANOES;HYDROTHERMAL ALTERATION; THERMAL WATERS;CHEMICAL COMPOSITION;POTASSIUM; VOLCANIC ROCKS;ALUNITE;SODIUM;QUANTITY RATIO; GEOLOGIC DEPOSITS

2956 CHEMICAL STUDIES OF THE MINERAL SPRINGS IN THE DEWA HILLS DISTRICT. Kato, T. Onsen Kagaku; 15: No. 1, 1-7(1964). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;MINERAL SPRINGS; GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;SULFUR;HYDROGEN SULFIDES;SODIUM CHLORIDES;CARBON DIOXIDE;ABUNDANCE;TEMPERATURE MEASUREMENT;VOLCANIC REGIONS

2957 CHEMICAL INVESTIGATION OF HOT SPRINGS IN MURAYAMA AND OKITAMA BASINS, YAMAGATA PREFECTURE. Kato, T. Onsen Kagaku; 15: No. 1, 8-15(1964). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;SULFATES;CHLORINE; HYDROGEN COMPOUNDS;ABUNDANCE

2958 CHEMISTRY OF GEOTHERMAL FLUIDS DISCHARGED FROM DRILLHOLES AT WAIREKEI, NEW ZEALAND. Mahon, W.A.J.; Glover, R.B. pp 209 1-209 10 of New Zealand Commonwealth Min. Met. Cong., 8th Meeting, Wellington, Proc. Otago Univ. School Min. Met. Dunedin; Otago Univ., Sch. Min. Met. (1965).
From 8. Meeting of New Zealand Commonwealth Min. Met. Congress; Wellington, NZ (1965).
NEW ZEALAND;GEOTHERMAL EXPLORATION;THERMAL WATERS;WAIRAKEI GEOTHERMAL FIELD;CHEMICAL COMPOSITION;AQUIFERS;GEOTHERMAL FLUIDS;SODIUM CHLORIDES;SILICON OXIDES;CALCIUM CARBONATES; SODIUM;POTASSIUM;CARBON DIOXIDE;HYDROGEN SULFIDES;VOLCANIC ROCKS

2959 CHEMISTRY OF THERMAL WATER AND GASES IN ICELAND. Sigvaldason, G.E. pp 160-1 of International Symposium Volcanol., New Zealand, Proceedings. (1965).
ICELAND;THERMAL WATERS;CHEMICAL COMPOSITION; HOT SPRINGS;BASALT;VOLCANIC REGIONS;GEOLOGIC

DEPOSITS;LEACHING;SALTS

2960 CHEMICAL COMPOSITION OF THE HOT SALTY WATER AT THE BOTTOM OF THE RED SEA. Brewer, P.G.; Riley, J.P.; Culkin, F. Nature (London); 206: No. 4991, 1345-6(1965).
RED SEA;BRINES;THERMAL WATERS;CHEMICAL COMPOSITION;GEOTHERMAL RESOURCES;CONNATE WATER; ORIGIN;CHLORINE

2961 VOLCANIC GASES OF STROMBOLI. Chaigneau, M. Acad. Sci. Compt. Rend.; 261: No. 11, 2241-4(1965).
ITALY;VOLCANOES;GASES;CHEMICAL COMPOSITION; HYDROGEN;FUMAROLIC FLUIDS

2962 APPLICATIONS OF SULFUR ISOTOPE RATIOS TO VOLCANOLOGICAL AND GEOTHERMAL PROBLEMS. Wilson, S.H. pp 191-2 of International Symposium Volcanol., New Zealand. New Zealand; International Symp. Volcanol. (1965).
VOLCANIC REGIONS;NATURAL STEAM;SULFUR 34; SULFUR 32;ISOTOPE RATIO;HYDROGEN SULFIDES; SULFURIC ACID;CHEMICAL COMPOSITION;NEW ZEALAND; VOLCANOES;SULFUR ISOTOPES;FUMAROLIC FLUIDS

2963 ISOTOPE GEOCHEMISTRY OF CARBON AND RARE GASES IN THE HYDROTHERMAL AREAS OF NEW ZEALAND. Hulston, J.R. pp 83 of International Symposium on Volcanology, New Zealand. New Zealand; Int. Symp. Volcanol. (1965).
NEW ZEALAND;GEOTHERMAL FIELDS;GEOCHEMISTRY; CARBON ISOTOPES;RARE GASES;ISOTOPES;TEMPERATURE MEASUREMENT;WAIRAKEI GEOTHERMAL FIELD;CARBON DIOXIDE;METHANE;GEOTHERMOMETRY;HYDROTHERMAL SYSTEMS;GEOCHEMICAL SURVEYS

2964 METAL CONTENTS OF SOME GEOTHERMAL FLUIDS. White, D.E. pp 432-43 of Symposium Prob. Postmagnetic Ore Deposition, Prague, Volume 2. Prague; Symp. Prob. Postmagmatic Ore. Deposition (1965).
CHEMICAL COMPOSITION;ORIGIN;NATURAL STEAM; GEOLOGIC DEPOSITS;METALS;ORES;HALOGENS;ALKALI METAL COMPOUNDS;MINERAL SPRINGS;HOT SPRINGS; FUMAROLIC FLUIDS;THERMAL WATERS

2965 VOLCANIC GASES. Ozawa, T. Volcanol. Soc. Jap. Bull.; 10: 221-32(1965). (In Japanese with English summary).
VOLCANOES;RADIOACTIVITY;CHEMICAL COMPOSITION; HOT SPRINGS;FUMAROLES;FUMAROLIC FLUIDS

2966 RECENT SULPHUR ISOTOPE MEASUREMENTS ON A VARIETY OF SPECIMENS EXAMINED IN NEW ZEALAND. Rafter, T.A. Bull. Volcanol.; 28: 177-94(1965).
SULFUR ISOTOPES;ISOTOPE RATIO;WAIRAKEI GEOTHERMAL FIELD;GEOCHEMICAL SURVEYS;FUMAROLIC FLUIDS;NEW ZEALAND;RAIN;SNOW;ANTARCTIC REGIONS; MINERALS;AUSTRALIA;CHEMICAL COMPOSITION;THERMAL WATERS;BOREHOLES

2967 MINERAL AND THERMAL WATERS OF THE GULF OF NAPLES REGION. Carle, W. Geol. Rundsch.; 54: No. 2, 1261-1313(1965). (English, Italian, Russian summaries).
ITALY;HOT SPRINGS;MINERAL SPRINGS;CHEMICAL COMPOSITION;SODIUM;CHLORINE;SEAWATER;CONNATE WATER;MIXING;VOLCANIC REGIONS;CARBONATES; HYDROGEN SULFIDES;THERMAL WATERS

2968 GEOCHEMISTRY OF HOT SPRINGS OF VOLCANIC REGIONS. Ellis, A.J. pp 167-79 of Problemy geokhimii (Vinogradov Jubilee V). Moscow; Izdatel'stvo 'Nauka' (1965).
VOLCANIC REGIONS;HOT SPRINGS;GEOCHEMISTRY; THERMAL WATERS;CHEMICAL COMPOSITION; HYDROTHERMAL ALTERATION;EXPLOITATION;NEW ZEALAND

2969 GEOCHEMICAL INVESTIGATION OF HOT SPRINGS IN SHONAI DISTRICT, YAMAGATA PREFECTURE. Kato, T. Onsen Kagaku; 15: No. 3-4, 133-43(1965). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;THERMAL WATERS; GEOCHEMISTRY;CHEMICAL COMPOSITION;SULFATES; CHLORINE;ORIGIN;SEAWATER;TEMPERATURE MEASUREMENT

2970 GEOCHEMICAL INVESTIGATION OF THE HOT SPRINGS IN THE ZAO VOLCANIC REGION. Kato, T. Onsen Kagaku; 15: No. 3-4, 125-32(1965). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;SULFURIC ACID;HYDROCHLORIC ACID;GROUND WATER;GASES;MAGMATIC WATER;MINERALS;ROCKS; CHEMICAL REACTIONS;CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE;VOLCANIC REGIONS

2971 GEOCHEMICAL STUDIES ON MINERAL SPRINGS. PART 11. CHANGE OF CHEMICAL COMPONENTS WITH LAPSE OF YEARS IN ITO SPA. Mashiko, Y.; Kanroji, Y. Onsen Kagaku; 15: No. 3-4, 113-24(1965). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;TIME DEPENDENCE;CHLORINE;SULFATES; ABUNDANCE;GROUND WATER;MIXING

2972 SULFUR ISOTOPIC FRACTIONATION BETWEEN SULFUR AND SULFURIC ACID IN THE HYDROTHERMAL SOLUTION OF SULFUR DIOXIDE. Oana, S.; Ishikawa, H. Geochem. J. (Nagoya); 1: No. 1, 45-50(1966).
HOT SPRINGS;CHEMICAL COMPOSITION;SULFURIC ACID;SULFATES;SULFUR OXIDES;CHEMICAL REACTIONS; SULFUROUS ACID;THERMAL WATERS;CHEMICAL ANALYSIS; SULFUR ISOTOPES;ISOTOPE SEPARATION

2973 CHEMICAL CHARACTERISTICS OF NEW MEXICO'S THERMAL WATERS - A CRITIQUE. Summers, W.K. Mineral Research Circular 83. New Mexico; United States of America (USA); New Mexico Bur. Mines, Mineral Research (1966). 27p.
NEW MEXICO;THERMAL WATERS;CHEMICAL COMPOSITION;DATA COMPILATION;HOT SPRINGS; GEOTHERMAL WELLS

2974 GEOCHEMICAL STUDY OF IODINE IN VOLCANIC GASES. Honda, F.; Mizutani, Y.; Sigiura, T. Bull. Chem. Soc. Jpn.; 39: No. 12, 2690-5(1966).
JAPAN;VOLCANIC REGIONS;CHEMICAL COMPOSITION; HOT SPRINGS;IODINE;CHLORINE;ABUNDANCE;ISOTOPE RATIO;FUMAROLIC FLUIDS;THERMAL WATERS

2975 CHEMISTRY OF THE HYDROTHERMAL WATERS OF THE VOLCANIC ERUPTION ON RAOUL ISLAND, NOVEMBER 1964. Weissberg, B.G.; Sarbutt, J. N. Z. J. Sci.; 9: No. 2, 426-32(1966).
NEW ZEALAND;THERMAL WATERS;CHEMICAL COMPOSITION;SALINITY;METEORIC WATER;GROUND WATER;SEAWATER;MIXING;ORIGIN;NATURAL STEAM; HYDROCARBONS;VOLCANOES;LITHIUM;FLUORINE;BORON; ARSENIC;SILICON OXIDES;CALCIUM;CARBON DIOXIDE; HYDROGEN SULFIDES

2976 CHEMISTRY OF THERMAL WATERS AND GASES IN

ICELAND. Sigvaldason, G.E. Bull. Volcanol.; 29: 589-604(1966).
ICELAND;HOT SPRINGS;CHEMICAL COMPOSITION; ORIGIN;THERMAL WATERS;FUMAROLIC FLUIDS;SILICON OXIDES;TEMPERATURE MEASUREMENT;QUARTZ;HYDROGEN SULFIDES

2977 ORIGIN OF TRITIUM IN HYDROTHERMAL SOLUTIONS. Wilson, S.H. Nature (London); 211: No. 5046, 272-3(1966).
NEW ZEALAND;THERMAL WATERS;CHEMICAL COMPOSITION;ORIGIN;TRITIUM;RADIOACTIVE MATERIALS

2978 SILICA IN HOT WATER DISCHARGED FROM DRILL HOLES AT WAIRAKEI, NEW ZEALAND. Mahon, W.A.J. N. Z. J. Sci.; 9: No. 1, 135-144(1966).
Use as deep-water temperature indicator. WAIRAKEI GEOTHERMAL FIELD;THERMAL WATERS; GEOTHERMAL WELLS;GEOTHERMOMETRY;SILICON OXIDES; ABUNDANCE;CHEMICAL COMPOSITION

2979 HOT SPRINGS OF THE SHIMAMAKI-MURA AREA, SHIRIBESHI PROVINCE. Sako, S.; Sato, I.; Futamase, K.; Shigeyama, T. Hokkaido Geol. Surv. Rpt.; No. 36, 39-47(1966). (In Japanese).
JAPAN;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY

2980 SULPHUR ISOTOPE RATIOS IN RELATION TO VOLCANOLOGICAL AND GEOTHERMAL PROBLEMS. Wilson, S.H.. Bull. Volcanol.; 29: 671-90(1966).
SULFUR ISOTOPES;ISOTOPE RATIO;HOT SPRINGS; GEOCHEMISTRY;CHLORINE;SULFUR;ABUNDANCE;CHEMICAL COMPOSITION;THERMAL WATERS

2981 SULFUR ISOTOPES IN PYRITE, PYRRHOTITE, ALUNITE AND ANHYDRITE FROM STEAM WELLS IN THE TAUPO VOLCANIC ZONE, NEW ZEALAND. Steiner, A.; Rafter, T.A. Econ. Geol.; 61: No. 6, 115-29(1966).
NEW ZEALAND;VOLCANIC REGIONS;NATURAL STEAM; GEOTHERMAL WELLS;VOLCANIC ROCKS;SULFUR 32; SULFUR 34;ISOTOPE RATIO;PYRITES;MINERALS; CALCIUM SULFATES;ALUNITE;ANHYDRITE;CHEMICAL COMPOSITION;SULFUR ISOTOPES;GEOTHERMAL FLUIDS

2982 PRELIMINARY INVESTIGATION OF THE SOURCE OF LEAD AND STRONTIUM IN DEEP GEOTHERMAL BRINES UNDERLYING THE SALTON SEA GEOTHERMAL AREA. Doe, B.R.; Hedge, C.E.; White, D.E. Econ. Geol.; 61: No. 3, 462-83(1966).
SALTON SEA;BRINES;SEDIMENTS;LAVA;STRONTIUM ISOTOPES;LEAD ISOTOPES;ISOTOPE RATIO;GLASS

2983 SODIUM ION CONCENTRATION IN NEW MEXICO'S THERMAL WATERS. Summers, W.K. Bull. NM Acad. Sci.; 7: No. 1, 27(1966).
NEW MEXICO;THERMAL WATERS;SODIUM IONS;GROUND WATER;MEDIUM TEMPERATURE;QUANTITY RATIO; CHEMICAL COMPOSITION;ABUNDANCE

2984 GEOCHEMICAL INVESTIGATION OF THE NOBORIBETSU OYUNUMA EXPLOSION CRATER LAKE. Murozumi, M.; Abiko, T.; Nakamura, S. Volcanol. Soc. Jap. Bull.; 11: No. 1, Ser. 2, 1-16(1966). (In Japanese with English abstract).
JAPAN;LAKES;THERMAL WATERS;GEOCHEMISTRY; CHEMICAL COMPOSITION;TEMPERATURE DISTRIBUTION; BOREHOLES;ROCKS;SALINITY;SULFURIC ACID;VOLCANIC REGIONS;CRATERS

2985 CHEMICAL COMPOSITION OF OWAKIDANI HOT SPRING WATER, HAKONE. Watanuki, K. Onsen Kagaku; 17: No. 1, 22-7(1966). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE DEPENDENCE;GEOCHEMISTRY

2986 GEOCHEMICAL INVESTIGATION OF MINERAL SPRINGS IN THE SHIRATAKA VOLCANIC REGION. Kato, T. Onsen Kagaku; 17: No. 1, 1-8(1966). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;MINERAL SPRINGS; GEOCHEMISTRY;THERMAL WATERS;GROUND WATER; CHEMICAL COMPOSITION;CARBONATES;CHLORINE;BRINES; TEMPERATURE DEPENDENCE;VOLCANIC REGIONS

2987 GEOCHEMICAL STUDY ON FUMAROLIC GASES AND HOT SPRING WATERS OF VOLCANO SHIRANE AND THE SURROUNDING AREA. Noguchi, K.; Ichikuni, M.; Araki, T.; Nishiido, T.; Noguchi, K.; Nakagawa, R. Onsen Kagaku; 17: No. 1, 9-21(1966). (In Japanese with English abstract).
JAPAN;FUMAROLES;HOT SPRINGS;FUMAROLIC FLUIDS; GEOCHEMISTRY;CHEMICAL COMPOSITION;PH VALUE; SODIUM;CHLORINE;POTASSIUM;MAGNESIUM;CALCIUM; LITHIUM;ARSENIC;ZINC;VANADIUM;ABUNDANCE;THERMAL WATERS;VOLCANIC REGIONS

2988 VOLCANIC HYDROTHERMAL AREAS AND THE INTERPRETATION OF THERMAL WATER COMPOSITIONS. Ellis, A.J. Bull. Volcanol.; 29: 575-84(1966).
NEW ZEALAND;VOLCANIC REGIONS;THERMAL WATERS; CHEMICAL COMPOSITION;GEOCHEMISTRY;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION;HYDROTHERMAL SYSTEMS

2989 HYDROGEN AND OXYGEN ISOTOPE RATIOS IN THE WATERS OF THE NGAWHA HYDROTHERMAL AREA, NORTH AUCKLAND. McDonald, D.C. Bull. Volcanol.; 29: 691-707(1966).
NEW ZEALAND;GEOTHERMAL FIELDS;SURFACE WATERS; THERMAL WATERS;DEUTERIUM;HYDROGEN ISOTOPES; OXYGEN 18;OXYGEN 16;ISOTOPE RATIO;BOREHOLES; SAMPLING;ROCKS;CHEMICAL REACTIONS;EVAPORATION; METEORIC WATER;ISOTOPIC EXCHANGE

2990 SILICA IN THE SUBTERRANEAN WATERS OF CERTAIN REGIONS OF THE USSR AND OTHER COUNTRIES. Bogomolov, G.V.; Plotnikova, G.N. Bull. Int. Assoc. Sci. Hydrol.; 11: No. 1, 24-33(1966).
USSR;GROUND WATER;THERMAL WATERS;SILICON OXIDES;COMPARATIVE EVALUATIONS;CHEMICAL COMPOSITION;ABUNDANCE

2991 ESTIMATION OF UNDERGROUND TEMPERATURES FROM SILICA CONTENT OF WATER FROM HOT SPRINGS AND WET-STEAM WELLS. Fournier, R.O.; Rowe, J.J. Am. J. Sci.; 264: No. 9, 685-97(Nov 1966).
HOT SPRINGS;GEOTHERMAL WELLS;THERMAL WATERS; CHEMICAL COMPOSITION;SILICON OXIDES;ABUNDANCE; QUARTZ;TEMPERATURE MEASUREMENT;GEOTHERMOMETRY; HOT-WATER SYSTEMS

2992 GAS CHROMATOGRAPHIC MEASUREMENTS OF HYDROTHERMAL EMANATIONS AT YELLOWSTONE NATIONAL PARK. Gunter, B.D.; Musgrave, B.C. (Arkansas Univ., Fayetteville. Dept. of Chemistry). Geochim. Cosmochim. Acta; 30: No. 11, 1175-89(Nov 1966).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS;GASES; GAS CHROMATOGRAPHY;CHEMICAL COMPOSITION;ORIGIN; WYOMING;GEYSERS;THERMAL WATERS;CHEMICAL ANALYSIS

2993 AQUEOUS SOLUTIONS AND HYDROTHERMAL ACTIVITY. Hemley, J.J. Trans. Am. Geophys. Union; 48: No. 2, 647-53(1967).
SALTON SEA;GEOCHEMISTRY;THERMODYNAMIC PROPERTIES;FREE ENERGY;SOLUBILITY;AQUEOUS SOLUTIONS;HYDROTHERMAL SYSTEMS;GEOLOGY;BRINES; BIBLIOGRAPHIES;ENTROPY;SPECIFIC HEAT

2994 IRON, ALUMINUM AND MANGANESE CONCENTRATION IN WATERS DISCHARGED FROM WAIRAKEI DRILLHOLES. Koga, A. N. Z. J. Sci.; 10: No. 4, 979-87(1967).
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; BOREHOLES;THERMAL WATERS;CHEMICAL COMPOSITION; QUANTITATIVE CHEMICAL ANALYSIS;JAPAN;HOT SPRINGS;GEOTHERMAL FLUIDS;IRON;ALUMINIUM; MANGANESE;SOLUBILITY;ABUNDANCE

2995 EFFECT OF HIGH TEMPERATURES ON THE CHEMICAL COMPOSITION OF GROUND WATERS. Kissin, I.G.; Pakhomov, S.I. (North Caucasus Branch of Civil Engineering Research Institute, Gosstroy, USSR, Stavropol). Geochem. Int.; 4: No. 2, 295-308(1967).
GROUND WATER;CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE;HOT SPRINGS;CHEMICAL REACTIONS;GEOCHEMISTRY;SOILS;LEACHING;THERMAL WATERS

2996 CHEMISTRY OF SOME EXPLORED GEOTHERMAL SYSTEMS. Ellis, A.J. pp 465-514 (Chap. 11) of Geochemistry of hydrothermal ore deposits. New York, Toronto, London; Holt, Rinehart and Winston (1967).
HYDROTHERMAL SYSTEMS;CHEMISTRY;SOLUBILITY; AQUEOUS SOLUTIONS;CHEMICAL REACTION KINETICS; HYDROTHERMAL ALTERATION;THERMAL WATERS;SOLVENTS; GEOTHERMAL FIELDS;MINERALS;SOLUTIONS; EQUILIBRIUM;CHEMICAL COMPOSITION;TABLES; IONIZATION;SOLIDS;GASES;CHEMICAL PROPERTIES; SOLVENT PROPERTIES;GEOCHEMISTRY

2997 EXAMINATION OF SULFUR ISOTOPIC RATIOS IN THE GEOTHERMAL AND VOLCANIC ENVIRONMENT. Rafter, T.A.; Wilson, S.H. pp 139-72 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
NEW ZEALAND;CHEMICAL COMPOSITION;ISOTOPE RATIO;SULFUR ISOTOPES;HYDROGEN SULFIDES; SULFURIC ACID;BOREHOLES;FUMAROLES;HOT SPRINGS; VOLCANIC REGIONS;TEMPERATURE MEASUREMENT; FUMAROLIC FLUIDS;SAMPLING;GEOTHERMAL FIELDS

2998 OXYGEN AND HYDROGEN ISOTOPES IN NEW ZEALAND THERMAL AREAS. Banwell, C.J. pp 95-138 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
WAIRAKEI GEOTHERMAL FIELD;HYDROTHERMAL SYSTEMS;GEOLOGY;GEOPHYSICS;TRITIUM;OXYGEN ISOTOPES;SEAWATER;HYDROGEN ISOTOPES;ISOTOPE RATIO;VOLCANIC ROCKS;CHEMICAL COMPOSITION; THERMAL WATERS;METEORIC WATER;SODIUM;POTASSIUM; DEUTERIUM

2999 TRITIUM CONTENT OF HOT SPRINGS IN SOME GEOTHERMAL AREAS. Begemann, F. pp 55-70 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
GEOTHERMAL FIELDS;HOT SPRINGS;GEOCHEMISTRY; THERMAL WATERS;ISOTOPE RATIO;RADIATION MONITORING;TRITIUM;METEORIC WATER;ISOTOPE DATING;CHEMICAL COMPOSITION;ABUNDANCE

3000 CHEMICAL COMPONENTS OF THE HOT SPRING WATERS IN NAGANO PREFECTURE. Noguchi, K. Onsen Kagaku; 18: No. 2, 47-64(1967).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;CHLORIDES;BROMINE;QUANTITY RATIO; GEOCHEMISTRY

3001 SULFIDES ASSOCIATED WITH THE SALTON SEA GEOTHERMAL BRINE. Skinner, B.J.; White, D.E.; Rose, H.J.; Mays, R.E. Econ. Geol.; 62: No. 3, 316-30(1967).
SALTON SEA;BRINES;CHEMICAL COMPOSITION; SULFIDES;ABUNDANCE;MINERALS

3002 GEOCHEMICAL STUDIES ON THE HOT SPRINGS IN SANIN DISTRICT AND THE SURROUNDING AREA. Noguchi, K.; Ueno, S.; Noguchi, K. Onsen Kagaku; 18: No. 1, 8-21(1967). (In Japanese with English summary).
HOT SPRINGS;JAPAN;THERMAL WATERS;CHEMICAL COMPOSITION;RADIOACTIVITY;VOLCANIC ROCKS; GRANITES;COMPARATIVE EVALUATIONS;GEOCHEMISTRY

3003 VARIATION OF O-18/O-16 IN MINERALS AND ROCKS. Epstein, S.; Taylor, H.P., Jr. pp 29-62 of Researches in geochemistry, Volume 2. New York; John Wiley and Sons (1967).
IGNEOUS ROCKS;METAMORPHIC ROCKS;ISOTOPE RATIO;OXYGEN ISOTOPES;OXYGEN 16;OXYGEN 18; TEMPERATURE MEASUREMENT;MINERALS;SEDIMENTARY ROCKS;SILICATES

3004 GEOTHERMAL BRINES. Berry, F.A.F. pp 155-69 of Natural gas, coal, ground water - exploring new techniques in resources research. Univ. Colorado; Univ. Colo. Press, Western Res. Conf. 1966 (1967).
SALTON SEA;CALIFORNIA;BRINES;GEOLOGY; CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT; PHYSICAL PROPERTIES;HEAT;THERMAL WATERS

3005 REVIEW OF THE WORK OF THE TRITIUM LABORATORY, INSTITUTE OF NUCLEAR SCIENCES, NEW ZEALAND. Taylor, D.B.; Polach, H.A.; Rafter, T.A. pp 185-233 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
NEW ZEALAND;GROUND WATER;RAIN WATER;THERMAL WATERS;SEAWATER;SNOW;TRITIUM;ISOTOPE RATIO; RADIOACTIVITY;NATIONAL ORGANIZATIONS;RESEARCH PROGRAMS;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS

3006 ISOTOPIC COMPOSITION OF ARGON FROM STEAM JETS OF TUSCANY. Ferrara, G.; Gonfiantini, R.; Pistoia, P. pp 267-75 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM; ARGON;ISOTOPE RATIO;CHEMICAL COMPOSITION; ABUNDANCE;ARGON ISOTOPES

3007 CARBON ISOTOPIC COMPOSITION OF CARBON DIOXIDE AND METHANE FROM STEAM JETS OF TUSCANY. Ferrara, G.C.; Ferrara, G.; Gonfiantini, R. pp 277-84 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
LARDERELLO GEOTHERMAL FIELD;TEMPERATURE MEASUREMENT;DEPTH;CARBON DIOXIDE;METHANE; NATURAL STEAM;ISOTOPE RATIO;CARBON ISOTOPES; GEOTHERMOMETRY;CHEMICAL COMPOSITION;GEOCHEMICAL SURVEYS

3008 ISOTOPIC GEOCHEMISTRY OF WATER AND CARBON IN GEOTHERMAL AREAS. Craig, H. pp 17-

53 of Nuclear geology on geothermal areas, Spoleto, 1963. Spoleto; Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
Contribution of juvenile waters. HOT SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION;ISOTOPE RATIO;ROCKS;HYDROGEN ISOTOPES;OXYGEN ISOTOPES; GEOTHERMAL FIELDS;CARBON ISOTOPES;ABUNDANCE; GEOCHEMISTRY;VOLCANIC ROCKS;GEOCHEMICAL SURVEYS; IGNEOUS ROCKS

3009 GEOCHEMISTRY OF GERMANIUM IN CARBONATED THERMAL WATERS, BASED ON THE EXAMPLES OF THE GREATER CAUCASUS AND THE PAMIRS. Kraynov, S.R. Geokhimiya; No. 3, 356-67(1967). (In Russian with English summary).
THERMAL WATERS;CHEMICAL COMPOSITION; GERMANIUM;GEOCHEMISTRY;ABUNDANCE;SEDIMENTARY ROCKS;HYDROTHERMAL ALTERATION;CARBONATES; METAMORPHISM;USSR;CHEMICAL ANALYSIS

3010 CHEMISTRY OF THERMAL WATERS AT ROTORUA. Glover, R.B. N. Z. J. Sci.; 10: No. 1, 70-96(1967).
NEW ZEALAND;SAMPLING;BOREHOLES;THERMAL WATERS;CHEMICAL COMPOSITION;CHLORIDES

3011 TRITIUM DETERMINATIONS ON BORE WATERS IN THE LIGHT OF CHLORIDE-ENTHALPY RELATIONS. Wilson, S.H. pp 173-84 of Nuclear geology on geothermal areas. Cons. Naz. Ric., Lab. Geol. Nucl. (1967).
WAIRAKEI GEOTHERMAL FIELD;BOREHOLES;THERMAL WATERS;RADIOACTIVITY;CHEMICAL COMPOSITION; TRITIUM;CHLORINE;ENTHALPY;DATA;CHEMICAL ANALYSIS;NEW ZEALAND

3012 GEOCHEMISTRY OF FLUORINE IN THERMAL AND OTHER TYPES OF NATURAL WATERS. Brusilovskiy, S.A.; Dvorov, V.I. pp 298-308 of Moscow; Tr. 2nd. Soveshch. Geoterm. Issled. SSSR (1967).
FLUORINE;GEOCHEMISTRY;THERMAL WATERS;GROUND WATER;ARTESIAN BASINS;CHEMICAL COMPOSITION; ABUNDANCE;MINERAL SPRINGS;CHEMICAL ANALYSIS

3013 CERTAIN HYDROGEOCHEMICAL CHARACTERISTICS OF RARE ALKALINE ELEMENTS. Pentcheva, E.N. Bull. Soc. Fr. Mineral. Cristallogr.; 90: No. 3, 402-6(1967).
LITHIUM;RUBIDIUM;CESIUM;DISTRIBUTION;THERMAL WATERS;CARBON DIOXIDE;NITROGEN;GROUND WATER; MINERAL SPRINGS;CHEMICAL COMPOSITION

3014 MICROCHEMICAL CRITERIA CHARACTERIZING THE NITROGENOUS THERMAL WATERS OF BULGARIA. Pentcheva, E.N. Bull. Soc. Fr. Mineral. Cristallogr.; 90: No. 3, 399-401(1967).
BULGARIA;THERMAL WATERS;CHEMICAL COMPOSITION; RUBIDIUM;CESIUM;LITHIUM;CORRELATIONS;QUANTITY RATIO

3015 RESULTS OF A STUDY OF SPHALERITE COMPOSITION AS A GEOTHERMOMETER. Shadlun, T.N. Vestn. Leningr. Univ., Ser. Geol. Geogr.; No. 6, 1, 102-5(1967). (English summary).
ZINC ORES;ZINC SULFIDES;SPHALERITES; GEOTHERMOMETRY;USSR;DEPOSITS;IRON

3016 CASSITERITE AS A FUMAROLIC PRODUCT OF ETNA. Corsini, F. Accad. Naz. Lincei Atti, Cl. Sci. Fis., Mat., Nat., Rend.; 42: No. 4, Ser. 8, 530-7(1967). (English summary).
ITALY;VOLCANOES;FUMAROLIC FLUIDS;MINERALS; ORES;TIN OXIDES;BASALT;DEPOSITION;CHEMICAL COMPOSITION

3017 METAL CONTENT OF THE HIGHLY MINERALIZED THERMAL WATERS OF CHELEKEN. Lebedev, L.M.; Bugel'skiy, Yu.Yu. Geol. Rud. Mestorozhd.; 9: No. 3, 82-7(1967).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; BRINES;ARAGONITE;PYRITES;GALENA;CHALCOPYRITE; LEAD;GEOLOGIC FAULTS;METALS;ABUNDANCE

3018 ISOTOPIC COMPOSITION OF OXYGEN AND HYDROGEN OF WATERS IN OPEN WATER BODIES AND VOLCANIC SPRINGS. Vetshteyn, V.Ye.; Gulyanitskaya, T.P.; Coyfer, V.N.; Brezgunov, V.S.; Shimarayev, M.N. Geokhimiya; No. 6, 737-9(1967).
USSR;SURFACE WATERS;GROUND WATER;VOLCANIC REGIONS;ATLANTIC OCEAN;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;ISOTOPE RATIO;SEAWATER;HOT SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION

3019 THERMAL SPRINGS IN TANZANIA. James, T.C. Inst. Min., Met. Trans., Bull. 723; 76, Sec. B: 1-18(1967).
Relation between temperature and evolution of He and CO_2. TANZANIA;HOT SPRINGS; GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;HELIUM;CARBON DIOXIDE;GEOLOGY; SODIUM;POTASSIUM;ABUNDANCE;GEOLOGIC FAULTS; CARBONATES

3020 INVESTIGATION OF GEOTHERMAL WATERS IN THE LONG VALLEY AREA, MONO COUNTY. Sacramento; United States of America (USA); Calif. Dept. Water Res. (1967). 141p.
Casa Diablo geothermal area. CALIFORNIA; GEOTHERMAL FIELDS;THERMAL WATERS;CHEMICAL COMPOSITION

3021 GEOCHEMICAL STUDIES ON THE MINERAL SPRINGS OF ECHIGO-YUZAWA SPA. Sato, K.; Kanroji, Y. Onsen Kagaku; 17: No. 3-4, Pt. 7, 109-24(1967). (In Japanese with English summary).
JAPAN;HOT SPRINGS;MINERAL SPRINGS;CHEMICAL COMPOSITION;FLOW RATE;GEOTHERMAL GRADIENTS; THERMAL WATERS;GEOCHEMISTRY

3022 HYDROGEOLOGIC CONDITIONS OF FORMATION AND REGULARITIES OF DISTRIBUTION OF THE THERMAL WATERS OF THE AZERBAIZHAN SSR. Akserov, A.G. pp 177-82 of Regional'naya geotermiya i rasprostraneniye termal'nykh vod v SSSR. Volume 2. Moscow; Izdatel'stvo ''Nauka'' (1967).
From 2. Soveshchaniya Geoterm. Issled. SSSR, Trudy; Moscow (1964).
USSR;MINERAL SPRINGS;HOT SPRINGS;GEOLOGY; HYDROLOGY;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;ROCKS;HYDROTHERMAL ALTERATION; CHEMICAL REACTIONS

3023 HYDROGEN ISOTOPES IN HYDROLOGICAL STUDIES IN ICELAND. Arnason, B.; Sigurgeirsson, T. pp 35-46 of Symposium on Isotopes in Hydrology, Vienna, Austria, 1966, Proceedings. Vienna, Austria; Int. Atomic Energy Agency (1967).
From Symposium on Isotopes in Hydrology; Vienna (1966).
ICELAND;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;DEUTERIUM;ISOTOPE RATIO;METEORIC WATER; ORIGIN;GEOTHERMAL GRADIENTS;BOREHOLES

3024 ATTEMPT AT POTASSIUM-ARGON GEOTHERMOMETRY AND ESTIMATION OF THERMODYNAMIC PARAMETERS. Brandt, S.B.; Kovalenko, V.I.; Kolkova, N.V.; Kriventsov, P.P. Akad. Nauk SSSR Izv., Ser. Geol.; No. 1, 21-30(1967).

POTASSIUM;ARGON 40;QUANTITY RATIO; GEOTHERMOMETRY;BIOTITE;EUTECTICS;IGNEOUS ROCKS; MAGMA;CRYSTALLIZATION;QUARTZ;HELIUM 4;SODIUM SILICATES;CALCIUM SILICATES;CHEMICAL COMPOSITION

3025 MERCURY AND BASE-METAL DEPOSITS WITH ASSOCIATED THERMAL AND MINERAL WATERS. White, D.E. pp 575-631 (Chap. 13) of Geochemistry of hydrothermal ore deposits. New York, Toronto, and London; Holt, Rinehart, and Winston (1967).
THERMAL WATERS;CHEMICAL COMPOSITION;MINERALS; METALS;MERCURY;PH VALUE;TRANSPORT;DEPOSITION; STEAMBOAT SPRINGS;GEOLOGIC DEPOSITS

3026 SILICA IN THERMAL AND COLD WATERS. Bogomolov, G.V.; Plotnikova, G.N.; Titova, Ye.A. Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Nauka' (1967). 112p.
THERMAL WATERS;WATER;ABUNDANCE;USSR; SOLUBILITY;GROUND WATER;MINERALIZATION; TECTONICS;SILICON OXIDES;GEOCHEMISTRY

3027 NATURAL TRITIUM IN GROUNDWATER STUDIES. Theodorsson, P. (Iceland Univ., Reykjavik). pp 371-80 (Paper No. SM-83/26) of Isotopes in hydrology. Proceedings of Symposium of International Atomic Energy Agency and International Union Geodesy and Geophysics, Vienna, 14-18 Nov 1966. Vienna; Int. Atomic Energy Agency (1967).
From Symposium of International Atomic Energy Agency and International Union Geodesy and Geophysics; Vienna (14-18 Nov 1966).
TRITIUM;ABUNDANCE;GROUND WATER;RAIN WATER; THERMAL WATERS;ICELAND;GEOTHERMAL FIELDS; SAMPLING

3028 SILICA IN ALKALINE BRINES. Jones, B.F.; Rettig, S.L.; Eugster, H.P. (Geological Survey, Washington, DC; Johns Hopkins Univ., Baltimore, MD. Dept. of Geology). Science; 158: No. 3806, 1310-14(8 Dec 1967).
BRINES;SILICON OXIDES;SODIUM CARBONATES; VOLCANIC REGIONS;NEVADA;KENYA;ABUNDANCE; PRECIPITATION;PH VALUE;GEOCHEMISTRY

3029 CHEMICAL COMPOSITION AND ORE CONTENT OF CHELEKEN HYDROTHERMAL WATERS. Lebedev, L.M.; Nikitina, I.B. Dokl. Akad. Nauk SSSR; 183: No. 2, 439-41(1968).
THERMAL WATERS;USSR;CHEMICAL COMPOSITION; BORON;METALS;ABUNDANCE

3030 SOLIDIFYING HOT SPRING WATER FROM SHINSHIN FUNKAKO HOT SPRING AT VOLCANO TOKATE, HOKKAIDO, JAPAN, AND SOLIDIFIED PRODUCT OF HOT SPRING WATER. Yoshida, M.; Ozawa, T.; Iwasaki, I. Balneol. Soc. Japan. J.; 19: No. 1, 1-14(1968). (In Japanese with English summary).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL ANALYSIS;VOLCANOES;VAPORS;SOLIDIFICATION; FUMAROLIC FLUIDS;SULFATES

3031 STRONTIUM CONTENT OF THE HOT SPRINGS IN IZU AND HAKONE DISTRICTS. Noguchi, K.; Araki, T.; Nomura, R. Balneol. Soc. Jap. J.; 19: No. 2, 61-8(1968).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;STRONTIUM;ABUNDANCE;CALCIUM;CALCIUM CARBONATES

3032 CHEMICAL NATURE OF SOME FUMAROLIC GASES FROM JIGOKUDANI AREA OF TATEYAMA VOLCANO, TOYAMA PREFECTURE, CENTRAL JAPAN. Ando, N.; Otsuka, T.; Nagata, S. Chishitsu Chosasho Geppo; 19: No. 12, 773-81(1968). (In Japanese with English summary).
JAPAN;VOLCANOES;GASES;FUMAROLES;CHEMICAL COMPOSITION;WATER VAPOR;CARBON DIOXIDE;HYDROGEN SULFIDES;HELIUM;NITROGEN;ARGON;FUMAROLIC FLUIDS

3033 CHEMISTRY OF THE TOKAANU--WAIHI HYDROTHERMAL AREA. Mahon, W.A.J.; Klyen, L.E. N. Z. J. Sci.; 11: No. 1, 140-58(1968).
NEW ZEALAND;HOT SPRINGS;CHEMICAL COMPOSITION; MINERALS;CHEMICAL REACTIONS;ROCKS;THERMAL WATERS;CHLORINE;BORON;AMMONIA;LITHIUM;RUBIDIUM; CESIUM;METEORIC WATER

3034 SOLUTION OF CERTAIN PROBLEMS RELATING TO THE FORMATION OF THERMAL WATERS OF ARTESIAN BASINS ON THE BASIS OF THERMOHYDRODYNAMIC CALCULATIONS AND ISOTOPIC COMPOSITION. Babinets, A.Ye.; Lyal'ko, V.I.; Mitnik, M.M. pp 9-16 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Report, Symposium 2. Prague; Inter. Geol. Cong. (1968).
From 23. International Geological Congress; Prague, Czech. (1968).
THERMAL WATERS;ARTESIAN BASINS; THERMODYNAMICS;ISOTOPE RATIO;CHLORINE ISOTOPES; BROMINE ISOTOPES;GEOCHEMISTRY;CHEMICAL COMPOSITION

3035 OXYGEN ISOTOPE STUDY OF CALCITE AND SILICATES OF THE RIVER RANCH NO. 1 WELL, SALTON SEA GEOTHERMAL FIELD, CALIFORNIA. Clayton, R.N.; Muffler, L.J.P.; White, D.E. Am. J. Sci.; 266: No. 10, 968-79(1968).
SALTON SEA;GEOTHERMAL WELLS;GEOLOGY;ROCKS; MINERALS;OXYGEN ISOTOPES;HYDROTHERMAL ALTERATION;CARBONATES;SILICATES;TEMPERATURE DEPENDENCE;CALCITE;QUARTZ;THERMAL WATERS; CHEMICAL REACTIONS;ISOTOPE RATIO;TEMPERATURE MEASUREMENT

3036 CHEMICAL STUDY ON THE HOT SPRING WATERS IN KOREA DETERMINATION OF RADON. Park, K.C. Balneol. Soc. Jap. J.; 19: No. 2, Pt. 3, 49-53(1968). (In Japanese with English summary).
REPUBLIC OF KOREA;CHEMICAL COMPOSITION;HOT SPRINGS;GEOCHEMISTRY;RADON;ANTIMONY;POTASSIUM; GRANITES;THERMAL WATERS

3037 ORGANIC MATERIALS IN THE THERMAL WATERS OF SOUTHERN KAMCHATKA. Shvets, V.M.; Seletskiy, Yu.B. Dokl. Akad. Nauk SSSR; 182: No. 2, 441-4(1968). (In Russian).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; ORGANIC COMPOUNDS;ORIGIN

3038 SILICA IN THERMAL MINERAL SPRINGS OF THE PYRENEES. Schoeller, H. Acad. Sci. Compt. Rend., Ser. D; 266: No. 22, 2175-7(1968).
SILICON OXIDES;KAOLIN;QUANTITY RATIO; FELDSPARS;HOT SPRINGS;MINERAL SPRINGS; METAMORPHIC ROCKS;GRANITES;FRANCE;EQUILIBRIUM; ABUNDANCE;THERMAL WATERS;CHEMICAL COMPOSITION

3039 GEOCHEMISTRY OF THERMAL WATERS. Shcherbakov, A.V. Unknown; Akad. Nauk SSR, Geol. Inst. (1968). 234p.
USSR;THERMAL WATERS;GEOCHEMISTRY;CHEMICAL COMPOSITION;MINERALIZATION;GEOLOGY;ORIGIN

3040 ARSENIC CONTENT OF THE HOT SPRING WATERS IN NARUGO AND ONIKOBE DISTRICTS, MIYAGI PREFECTURE. Noguchi, K.; Nakagawa, R. Onsen

Kagaku; 19: No. 1, 40-7(1958). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ARSENIC;ABUNDANCE;HYDROCHLORIC ACID; SULFURIC ACID

3041 BEHAVIOR OF TI, FE, AL, AND SiO_2 IN THERMAL WATERS OF VOLCANIC REGIONS, AND THE VOLCANOGENIC HYPOTHESIS OF BAUXITE FORMATION (IN CONNECTION WITH K. K. ZELENOV'S WORK). Bronevoy, V.A. Litol. Polez. Iskop.; No. 5, 128-35(1968).
VOLCANIC REGIONS;THERMAL WATERS;CHEMICAL COMPOSITION;TITANIUM;IRON;ALUMINIUM;SILICON OXIDES;BAUXITE;REVIEWS

3042 HOT SALT BRINE AND SEDIMENT OF THE ATLANTIS II-DEEP IN THE RED SEA. Hartmann, M.; Lohmann, L. (Geol.-Palaeontol. Inst., Univ. Kiel, Kiel, Ger.). Meteor Forschungsergeb., Reihe; No. 1, 13-20(1968).
RED SEA;THERMAL WATERS;BRINES;SEDIMENTS; CHEMICAL COMPOSITION;ISOTOPE RATIO;IRON; MAGNESIUM;PH VALUE;CHLORIDES;CALCIUM COMPOUNDS; SULFATES

3043 INVESTIGATIONS OF THERMAL BRINES AND SEDIMENTS OF THE ATLANTIS II DEEP IN THE RED SEA. Hartmann, M.; Lohmann, L. 'Meteor' Forsch., Reihe; No. 1, 13-20(1968). (In English, summ.).
RED SEA;BRINES;SEDIMENTS;THERMAL WATERS; CHEMICAL COMPOSITION;ISOTOPE RATIO;SULFUR ISOTOPES;SULFUR;IRON;MANGANESE;ABUNDANCE

3044 HYDROTHERMALISM IN MOROCCO. Diouri, M. (Serv. Geol. Maroc, Rabat, Morocco). Mines Geol.; 11: No. 28, 25-36(1968). (In French).
MOROCCO;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;SODIUM;CALCIUM;CHLORINE;HYDROGEN COMPOUNDS;CARBONATES

3045 SILICON CONTENT OF FUMAROLIC GASES AND THE FORMATION OF A SILICEOUS SUBLIMATE. Honda, F.; Mizutani, Y. Geochem. J. (Nagoya); 2: No. 1, 1-9(1968).
JAPAN;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION; SILICON FLUORIDES;GEOCHEMISTRY;HYDROFLUORIC ACID;HYDROLYSIS;SILICATES;CHEMICAL REACTIONS; ABUNDANCE

3046 OXYGEN ISOTOPIC COMPOSITION OF SULFATE IONS IN WATER FROM THERMAL SPRINGS. Longinelli, A. Earth Planet. Sci. Lett.; 4: No. 3, 206-10(1968).
ITALY;HOT SPRINGS;SULFATES;ORIGIN;OXYGEN 18; ISOTOPE RATIO;OXYGEN ISOTOPES;THERMAL WATERS; CHEMICAL COMPOSITION

3047 VANADIUM CONTENT OF THE ACID HOT SPRINGS IN JAPAN. Araki, T. Chishitsu Chosasho Geppo; 19: No. 2, Pt. 1, 69-76(1968). (In Japanese with English summary).
VANADIUM;IRON;ALUMINIUM;HYDROCHLORIC ACID; SULFURIC ACID;HOT SPRINGS;JAPAN;ABUNDANCE;ROCKS; THERMAL WATERS;CHEMICAL REACTIONS;PH VALUE; CHEMICAL COMPOSITION

3048 DATA FOR SPRINGS IN THE NORTHERN COAST RANGES AND KLAMATH MOUNTAINS OF CALIFORNIA. Berkstresser, C.F., Jr. Open File Report. Washington, DC; United States of America (USA); US Geol. Surv., Water Res. Div. (1968). 49p.
CALIFORNIA;HOT SPRINGS;GEOLOGY;CHEMICAL COMPOSITION;THERMAL WATERS;TEMPERATURE MEASUREMENT;PH VALUE;AMMONIUM COMPOUNDS; ABUNDANCE;FLOW RATE;HYDROLOGY

3049 POSSIBILITY OF A GARNET THERMOMETER. Tan, L.P. Geol. Soc. China Proc.; No. 12, 129-133(1969).
GEOTHERMOMETERS;GARNETS;IGNEOUS ROCKS; CRYSTALLIZATION;TEMPERATURE MEASUREMENT

3050 DISCUSSION - SOURCE FLUIDS FOR SALTON SEA GEOTHERMAL SYSTEM. Craig, H. Am. J. Sci.; 267: No. 2, 249-55(1969).
SALTON SEA;BRINES;CHEMICAL COMPOSITION; ISOTOPE RATIO;COLORADO RIVER;METEORIC WATER; SEDIMENTS

3051 LETOVICITE FROM THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Dunning, G.E.; Cooper, J.F., Jr. Calif. Div. Mines, Geol., Mineral Info. Serv.; 22: No. 8, 135(1969).
GEYSERS GEOTHERMAL FIELD;FUMAROLIC FLUIDS; CHEMICAL COMPOSITION;AMMONIUM COMPOUNDS; SULFURIC ACID;MINERALS;RECOVERY;CONDENSATES

3052 STUDIES ON FORMATION MECHANISM OF THERMAL SPRINGS BY THE ANALYSIS OF THEIR CHEMICAL COMPOSITIONS. INTERRELATION BETWEEN THE TEMPERATURE AND THE PRINCIPAL CONSTITUENTS OF THERMAL WATERS AND DISTRIBUTION OF CHEMICAL COMPONENTS IN LIZAKA SPA. Miyanaga, T.; Mashiko, Y. Balneol. Soc. Jap. J.; 20: No. 1, Pt. 2, 34-41(1969). (In Japanese with English summary).
JAPAN;THERMAL WATERS;CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE;HOT SPRINGS;ORIGIN

3053 SEA GEOTHERMAL BRINE DEPOSITS - THEIR MINERALOGY, CHEMISTRY, AND GENESIS. Bischoff, J.L. (Woods-Hole Oceanographic Inst., MA). pp 368-401 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag, Inc. (1969).
RED SEA;BRINES;CHEMICAL COMPOSITION; SEDIMENTS;HOT SPRINGS;MINERALOGY;SEAWATER; MIXING;PRECIPITATION;OCEANOGRAPHY;MINERALS

3054 ANOMALOUS ISOTOPIC COMPOSITION OF HELIUM IN VOLCANIC GASES. Mamyrin, B.A.; Tolstikhin, I.N.; Anufriyev, G.S.; Kamenskiy, I.L. Dokl. Akad. Nauk SSSR; 184: No. 5, 1197-9(1969).
FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;HELIUM ISOTOPES;ISOTOPE RATIO;HELIUM 3;HELIUM 4; METEORIC WATER;BETA DECAY;EARTH MANTLE;EARTH ATMOSPHERE

3055 GEOLOGICAL STUDY OF HOT SPRINGS IN KYUSHU, JAPAN. V. SOME HOT SPRINGS IN THE KAGOSHIMA GRABEN, WITH SPECIAL REFERENCE TO THERMAL WATER RESERVOIR. Tsuyuki, T. (Univ. Kagoshima, Kagoshima, Japan). Repts. Fac. Sci. Kagoshima Univ., Earth Sci. Biol.; 2: 85-101(1969). (In Japanese).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGY;SODIUM CHLORIDES;CARBONATES

3056 ARSENIC IN THERMAL WATERS AND DEPOSITS OF MANZA HOT SPRINGS, GUMMA PREFECTURE. Noguchi, K.; Nakagawa, R. Onsen Kagaku; 20: No. 1, 1-5(1969). (In Japanese with English abstract).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ARSENIC;ABUNDANCE;HYDROCHLORIC ACID; SULFURIC ACID

3057 HYGIENIC FEATURES OF GEOTHERMAL WATERS USED AS THE MUNICIPAL WATER SUPPLY IN

MAKHACHKALA. Gal'tsev, Yu.I. (Dagestan. Med. Inst., Makhachkala, USSR). Gig. Sanit.; 34: No. 11, 17-21(1969).
METHANE;USSR;THERMAL WATERS;CHEMICAL COMPOSITION;WATER RESOURCES;RADIOACTIVITY; RADIATION HAZARDS;ABUNDANCE;IRON;CHLORINE; AMMONIA;SULFUR OXIDES;SODIUM;POTASSIUM;CALCIUM; MAGNESIUM;ALUMINIUM;SILICON OXIDES;STRONTIUM; BARIUM;MANGANESE;COPPER;IODINE;FLUORINE; NITROGEN

3058 GEOTHERMAL FIELD OF LARDERELLO (TUSCANY, ITALY). Cataldi, R.; Ferrara, G.C.; Stefani, G.; Tongiorgi, E. (ENEL, Rome, Italy). Bull. Volcanol.; 33: No. 1, 29-55(1969).
In 5 thermal waters. GEOTHERMAL EXPLORATION; LARDERELLO GEOTHERMAL FIELD;THERMAL WATERS; CHEMICAL COMPOSITION;BORON;AMMONIUM COMPOUNDS; ABUNDANCE

3059 HENGILL, A HIGH-TEMPERATURE THERMAL AREA IN ICELAND. Arnason, B.; Theodorsson, P.; Bjornsson, S.; Saemundsson, K. (Univ., Iceland, Reykjavik, Iceland). Bull. Volcanol.; 33: No. 1, 245-59(1969).
ICELAND;THERMAL WATERS;CHEMICAL COMPOSITION; DEUTERIUM;TRITIUM;EARTH ATMOSPHERE;ATMOSPHERIC PRECIPITATIONS;ISOTOPE RATIO;FALLOUT

3060 HYDROGEOLOGICAL CONDITIONS OF THE OKHUREI DEPOSIT OF HIGH-THERMAL RADIOACTIVE MINERAL WATER. Meliva, F.S.; Vakhaniya, E.K. Sh. Tr., Gos. Nauch.-Issled. Inst. Kurortol. Fizioter., Tiflis; 7: 241-6(1969).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; SALINITY;PH VALUE;MINERAL SPRINGS;GERMANIUM; ABUNDANCE;NATURAL RADIOACTIVITY;HYDROLOGY; GEOLOGY;SILICATES;CHLORIDES;SODIUM COMPOUNDS; CALCIUM COMPOUNDS

3061 HYDROGEOLOGY OF MINERAL WATERS OF TERTIARY AND CRETACOUS DEPOSITS OF THE SOUTHWESTERN MARITIME BELT OF THE ABKHAZ ASSR AND PROSPECTS FOR HEALTH RESORT CONSTRUCTION. Meliva, F.S.; Archaya, Yu.,S.; Chernikova, V.D.; Khaburzaniya, Z.A. Sb. Tr., Gos. Nauch.-Issled. Inst. Kurortol. Fizioter., Tiflis; 7: 205-18(1969).
USSR;MINERAL SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;SALINITY;PH VALUE;USES;HYDROGEN SULFIDES;METHANE;NITROGEN;SULFATES;CHLORIDES; SODIUM COMPOUNDS;NITROGEN

3062 RECENT VOLCANIC AND FUMAROLIC ACTIVITY AT SANTIAGUITO VOLCANO, GUATEMALA. Stoiber, R.E.; Rose, W.I., Jr. (Dartmouth Coll., Hanover, N.H.). Bull. Volcanol.; 33: No. 2, 475-502(1969).
GUATEMALA;VOLCANOES;FUMAROLIC FLUIDS;ROCKS; CHEMICAL COMPOSITION;MINERALS;DATA;CHLORINE; BORON;FLUORINE;SODIUM;POTASSIUM;CALCIUM; MAGNESIUM

3063 GOLD-SILVER ORE-GRADE PRECIPITATES FROM NEW ZEALAND THERMAL WATERS. Weissberg, B.G. Econ. Geol.; 64: 95-108(1969).
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; THERMAL WATERS;HOT SPRINGS;GEOTHERMAL WELLS; CHEMICAL COMPOSITION;PH VALUE;SODIUM;POTASSIUM; CHLORINE;CARBONATES;GOLD;SILVER;ABUNDANCE; PRECIPITATION;ROCKS;QUARTZ;HYDROTHERMAL ALTERATION;CALCITE;MONTMORILLONITE;CHLORITE MINERALS;ECONOMICS

3064 ISOTOPIC ANALYSIS OF DEUTERIUM AND OXYGEN IN WATERS OF 14 THERMOMINERAL SPRINGS IN THE AQUITAINE BASIN. Menendez, R. Centre Recherches Pau Bull.; 3: No. 1, 167-85(1969). (English abstract).
FRANCE;HOT SPRINGS;MINERAL SPRINGS;CHEMICAL COMPOSITION;METEORIC WATER;ISOTOPE RATIO; HYDROGEN ISOTOPES;OXYGEN ISOTOPES;THERMAL WATERS

3065 USE OF GEOTHERMAL WELLS FOR EXPERIMENTAL WORKS ON THE STUDY OF CHEMISTRY OF SOLUTIONS AND MINERAL FORMATION. Karpov, G.A. (Inst. Vulkanol., Petropavlovsk-Kamchatskii, USSR). pp 337-44 of Vulkanizm Glubiny Zemli, Mater. Vses. Vulkanol. Soveshch., 3rd. Markhinin, E.K. (ed.). Moscow; Nauka (1969).
BOREHOLES;THERMAL WATERS;CHEMICAL COMPOSITION;MINERALS;USSR;SOLUTIONS; MINERALIZATION;PAUZHETSK GEOTHERMAL FIELD; PARATUNKA GEOTHERMAL FIELD

3066 LEAD ISOTOPE MEASUREMENTS ON SEDIMENTS FROM ATLANTIS II AND DISCOVERY DEEP AREAS. Cooper, J.A.; Richards, J.R. pp 499-511 of Hot brines and recent heavy metal deposits in the Red Sea. Degens, E.T.; Ross, D.A. (eds.). New York; Springer-Verlag (1969).
RED SEA;SEDIMENTS;LEAD ISOTOPES;ISOTOPE RATIO;MINERALIZATION;ORES;PYRITES;BRINES

3067 RADIOISOTOPES IN THE WATERS OF NEOVOLCANIC REGIONS OF THE CAUCASUS. Kuptsov, V.M.; Cherdyntsev, V.V.; Zverev, V.L. Geokhimiya; No. 9, 1153-5(1969).
USSR;THERMAL WATERS;IGNEOUS ROCKS;CHEMICAL COMPOSITION;URANIUM ISOTOPES;RADIUM ISOTOPES; THORIUM ISOTOPES;RADON ISOTOPES;ISOTOPE RATIO; RADIOACTIVITY

3068 PRODUCTS OF THE DECAY OF URANIUM AND THORIUM IN THE ACTIVE VOLCANISM OF THE USSR. Kuptsov, V.M.; Cherdyntsev, V.V. Geokhimiya; No. 6, 643-58(1969). (English summary).
USSR;VOLCANOES;FUMAROLIC FLUIDS; RADIOACTIVITY;CHEMICAL COMPOSITION;URANIUM ISOTOPES;RADON ISOTOPES;PROTACTINIUM ISOTOPES; THORIUM ISOTOPES;RADIOACTIVITY

3069 DETERMINATION OF THE CHLORINE-35/ CHLORINE-37 RATIO IN BEPPU HOT SPRING WATER BY FAST NEUTRON ACTIVATION ANALYSIS. Oda, T.; Kawakami, H. (Kyushu Univ., Oita, Japan). Oita-ken Onsen Chosa Kenkyu-kai Hokoku; No. 20, 63-5(1969).
JAPAN;HOT SPRINGS;THERMAL WATERS;FUMAROLIC FLUIDS;SODIUM CHLORIDES;CHLORINE ISOTOPES; ISOTOPE RATIO;NEUTRON REACTIONS;ACTIVATION ANALYSIS;ROCKS;SEAWATER;ORIGIN;CHLORINE 35; CHLORINE 37;FAST NEUTRONS;GEOCHEMISTRY

3070 CESIUM AND OTHER ALKALI ELEMENTS IN THERMAL SPRINGS OF GORNJA TREPCA AND MLAKOVAC THERMAL SPRINGS. Arsenijevic, M. (Inst. Geol.-Rud. Sirovina, Belgrade, Yugoslavia). Rad. Inst. Geol.-Rud. Istraz. Ispit. Nukl. Drugin, Miner. Sirovina; 6: 243-7(1969).
YUGOSLAVIA;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;CESIUM;RUBIDIUM;LITHIUM; ABUNDANCE

3071 CHEMICAL CHARACTERISTICS OF WATER IN OIL WELL NO. 9. Popov, G.N.; Kurbanov, M.Sh. (Dagest. S-Kh. Inst., Makhachkala, USSR). Tr. Dagestan. Sel'skokhoz. Inst.; 20: No. 1, 119-22(1969).
THERMAL WATERS;USES;CHEMICAL COMPOSITION; USSR;SODIUM CHLORIDES;SODIUM SULFATES;POTASSIUM CHLORIDES;HYDROGEN SULFIDES;ALUMINIUM;IODINE; BROMINE;PHOSPHORUS;BALNEOLOGY;DRINKING WATER

3072 HOT SPRINGS IN AOMORI PREFECTURE. 2. Sakai, G.; Miyagi, K. (Dep. Geogr., Hirosaki Univ., Hirosaki, Japan). Onsen Kogakkaishi; 7: No. 1, 6-15(1969).
JAPAN;HOT SPRINGS;CHEMICAL ANALYSIS; CHLORIDES;SULFATES;CARBONATES;SODIUM COMPOUNDS; POTASSIUM COMPOUNDS;CALCIUM COMPOUNDS;MAGNESIUM COMPOUNDS;QUANTITY RATIO;GEOCHEMISTRY

3073 SULFIDE MINERALIZATION IN A BROADLANDS GEOTHERMAL DRILL HOLE, TAUPO VOLCANIC ZONE, NEW ZEALAND. Browne, P.R.L. Econ. Geol.; 64: No. 2, 156-9(1969).
BROADLANDS GEOTHERMAL FIELD;BOREHOLES; MINERALS;SULFIDES;ABUNDANCE;MINERALIZATION; GEOCHEMISTRY

3074 NOTE ON THE CHEMICAL COMPOSITION OF THE RED SEA BRINES. Brewer, P.G.; Spencer, D.W. (Woods Hole Oceanographic Inst., MA). pp 174-9 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Spring-Verlag, Inc. (1969).
RED SEA;BRINES;CHEMICAL COMPOSITION;THERMAL WATERS;WATER CHEMISTRY;MIXING

3075 THERMAL AND MINERAL WATERS IN CHILE. Rojas, J.S. pp 257-63 of Proceedings of Symposium II on Mineral and Thermal Waters of the World. B - Overseas countries. Volume 19. Report of 23rd Session of International Geological Congress, 1968. Academia Prague (1969).
From 23. Session of International Geological Congress. Symposium II on Mineral and Thermal Waters of the World; (1968).
THERMAL WATERS;MINERALS;CHILE;MAPS;TABLES; FLOW RATE;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT;USES;SALTS;SULFUR;CARBON DIOXIDE; SULFUR

3076 THERMAL AND MINERAL WATERS OF TURKEY (FRENCH). Erentoz, C.; Ternek, Z. pp 75-84 of Proceedings of Symposium II on Mineral and Thermal Waters of the World. B - Overseas countries. Volume 19. Report of 23rd Session of International Geological Congress, 1968. Academia Prague (1969).
From 23. Session of International Geological Congress. Symposium II on Mineral and Thermal Waters of the World; (1968).
TURKEY;THERMAL WATERS;MINERAL SPRINGS;HOT SPRINGS;CHEMICAL COMPOSITION;RADIOACTIVITY; THERAPY;USES

3077 RAPID METHOD FOR ESTIMATING RADIUM AND RADON IN WATER. Kelkar, D.N.; Joshi, P.V. (Bhabha Atomic Research Centre, Bombay (India). Air Monitoring Section). Health Phys.; 17: 253-7(1969).
RADON;RADIUM;SAMPLING;THERMAL WATERS; PRECIPITATION;RADIOACTIVITY;HOT SPRINGS;GROUND WATER;ABUNDANCE;RADIOASSAY;ZINC SULFIDES

3078 SOURCE FLUIDS FOR SALTON SEA GEOTHERMAL SYSTEM. Craig, H. Am. J. Sci.; 267: No. 2, 249-55(Feb 1969).
CALIFORNIA;SALTON SEA;BRINES;ORIGIN;COLORADO RIVER;CONNATE WATER;CHEMICAL COMPOSITION; ISOTOPE RATIO;SURFACE WATERS

3079 GEOCHEMICAL TRACING OF MINERAL WATER SOURCES IN THE SOUTH WESTERN DEAD SEA BASIN, ISRAEL. Mazor, E.; Rosenthal, E.; Ekstein, J. (Weizmann Inst. of Sci., Rehovoth, Israel; Israel Atomic Energy Commission, Rehovoth; Geological Surv. Israel, Jerusalem. Hydrogeological Div.). J. Hydrol.; 7: No. 3, 246-75(Mar 1969).
ISRAEL;SEAS;GEOCHEMICAL SURVEYS;CHEMICAL COMPOSITION;SHORES;THERMAL WATERS;HOT SPRINGS; WELLS;TEMPERATURE MEASUREMENT;FRESH WATER; MINERAL SPRINGS

3080 DEGREE OF SATURATION WITH RESPECT TO CALCITE, DOLOMITE, AND GYPSUM FOR SOME THERMAL AND MINERAL SPRINGS IN THE SOUTHERN ROCKY MOUNTAINS, ALBERTA AND BRITISH COLUMBIA. Van Everdingen, R.O. (Dept. of Energy, Mines, and Resources (Alberta). Inland waters Branch). Can. J. Earth Sci.; 6: No. 6, 1421-30(Dec 1969).
THERMAL WATERS;MINERAL SPRINGS;CALCITE; DOLOMITE;SATURATION;GYPSUM;CANADA;EQUILIBRIUM; TEMPERATURE DEPENDENCE;PRECIPITATION;WATER CHEMISTRY;AQUEOUS SOLUTIONS;SOLUBILITY;HOT SPRINGS

3081 UNDERGROUND TEMPERATURES IN HYDROTHERMAL AREAS IN ICELAND AS DEDUCED FROM THE SILICA CONTENT OF THE THERMAL WATER. Arnorsson, S. (Applied Geochemistry Research Group, Imperial Coll., London). Geothermics; No. 2, 536-41(1970).
TEMPERATURE MEASUREMENT;THERMAL WATERS; SILICON OXIDES;ICELAND;SOLUBILITY;HOT-WATER SYSTEMS;CHEMICAL COMPOSITION;GEOCHEMICAL SURVEYS;GROUND WATER;BOREHOLES

3082 GEOCHEMICAL METHODS OF EXPLORATION FOR GEOTHERMAL ENERGY. Tonani, F. (Univ. of Palermo, Italy). Geothermics; No. 2, 492-515(1970).
Regional reconnaissance, strategic and tactical exploration. GEOTHERMAL EXPLORATION; GEOCHEMICAL SURVEYS;MEASURING METHODS;CHEMICAL COMPOSITION;FUMAROLIC FLUIDS;NATURAL STEAM; THERMAL WATERS;BORIC ACID;AMMONIA;LEAKS; TEMPERATURE MEASUREMENT;HOT SPRINGS;FUMAROLES; GROUND WATER

3083 CHEMICAL INDICATORS OF SUBSURFACE TEMPERATURE APPLIED TO HOT SPRING WATERS OF YELLOWSTONE NATIONAL PARK, WYOMING, USA. Fournier, R.O.; Truesdell, A.H. (U. S. Geol. Surv., Menlo Park, CA). Geothermics; No. 2, 529-35(1970).
Silica geothermometer, alkali ratios, Cl/ (HCO_3 + CO_3) ratio. GEOCHEMICAL SURVEYS;HOT SPRINGS;ION EXCHANGE;CARBON DIOXIDE;THERMAL WATERS;ROCKS;AQUIFERS;TEMPERATURE MEASUREMENT; SILICON OXIDES;SODIUM;POTASSIUM;WYOMING; YELLOWSTONE NATIONAL PARK;GEOTHERMOMETERS; THERMAL WATERS;CHEMICAL COMPOSITION; GEOCHEMISTRY;USA

3084 GEOCHEMICAL INVESTIGATION OF THE STRONG ACID WATER FROM THE BORED WELLS IN HAKONE, JAPAN. Noguchi, K.; Goto, T.; Ueno, S.; Imahashi, M. (Dept. of Chem., Tokyo Metropolitan Univ., Dept. of Education, Iwate Univ., Japan). Geothermics; No. 2, 561-3(1970).
GEOCHEMISTRY;FUMAROLES;GEOTHERMAL WELLS; STEAM;HYDROGEN SULFIDES;CARBON DIOXIDE;PH VALUE; CHEMICAL COMPOSITION;BOREHOLES;JAPAN;GROUND WATER;THERMAL WATERS

3085 GEOCHEMISTRY OF THE KIZILDERE GEOTHERMAL FIELD, IN THE FRAMEWORK OF THE SARAYKOY-DENIZLI GEOTHERMAL AREA. Dominco, E. (U.N. Geothermal Energy Surv. of Western Anatolia, Ankara, Turkey); Samilgil, E. Geothermics;

No. 2, 553-60(1970).
Turkey, geological and structural conditions. GEOTHERMAL FIELDS;GEOCHEMISTRY; TURKEY;THERMAL WATERS;GEOTHERMAL EXPLORATION; CHEMICAL COMPOSITION;EVAPORATION;VAPOR CONDENSATION;AQUIFERS;GROUND WATER

3086 REMARKS ON THE GEOTHERMAL PHENOMENON IN AN INTENSIVELY EXPLOITED FIELD: RESULTS OF AN EXPERIMENTAL WELL. Ferrara, G.C. (ENEL, Direzione Studi e Ricerche, Roma, Italy); Panichi, C.; Stefani, G. Geothermics; No. 2, 578-86(1970).
Evolution of field, physical properties of fluid. GEOTHERMAL WELLS;ITALY;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS;CHEMICAL COMPOSITION;EXPLOITATION; GEOTHERMAL FLUIDS;PERFORMANCE;NATURAL STEAM; ISOTOPES;GEOCHEMISTRY

3087 GEOCHEMICAL STUDIES OF THERMAL WATERS IN THE SOUTHERN LOWLANDS OF ICELAND. Arnorsson, S. (Applied Geochemistry Research Group, Imperial Coll., London). Geothermics; No. 2, 547-52(1970).
GEOCHEMISTRY;THERMAL WATERS;ICELAND;CHEMICAL COMPOSITION;HOT SPRINGS;BOREHOLES;PH VALUE; CALCITE;SILICON OXIDES;CHLORINE;BORON; GEOCHEMICAL SURVEYS

3088 DISTRIBUTION OF SOME TRACE ELEMENTS IN THERMAL WATERS IN ICELAND. Arnorsson, S. (Applied Geochemistry Research Group, Imperial Coll., London). Geothermics; No. 2, 542-6(1970).
THERMAL WATERS;ICELAND;TRACE AMOUNTS; CHEMICAL COMPOSITION;DISTRIBUTION;GALLIUM; GERMANIUM;IRON;MOLYBDENUM;TITANIUM;VANADIUM; CHROMIUM;NICKEL;ZINC

3089 QUANTITATIVE INTERPRETATION OF CHEMICAL CHARACTERISTICS OF HYDROTHERMAL SYSTEMS. Ellis, A.J. (Chemistry Div., D.S.I.R., Petone, New Zealand). Geothermics; No. 2, 516-28(1970).
CHEMICAL REACTIONS;ROCKS;MINERALS;THERMAL WATERS;CHEMICAL COMPOSITION;HYDROTHERMAL SYSTEMS;CALCIUM;PHASE DIAGRAMS;PH VALUE;CALCITE; CARBON DIOXIDE;ISOTOPIC EXCHANGE;OXYGEN;SULFUR; GEOCHEMISTRY

3090 STATISTICAL INTERPRETATION OF CHEMICAL RESULTS FROM DRILLHOLES AS AN AID TO GEOTHERMAL PROSPECTING AND EXPLOITATION. Wilson, S.H. (Inst. Nucl. Sciences, DSIR, New Zealand). Geothermics; Special Issue 2: 1323-39(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOCHEMICAL SURVEYS;GEOTHERMAL WELLS; CHLORIDES;SILICON OXIDES;ENTHALPY;STATISTICS; CARBON DIOXIDE;GROUND WATER;BOREHOLES;CHEMICAL COMPOSITION;GEOTHERMAL FIELDS;NATURAL STEAM; THERMAL WATERS

3091 GEOCHEMISTRY OF THE AHUACHAPAN THERMAL AREA, EL SALVADOR, CENTRAL AMERICA. Sigvaldason, G.E. (Sci. Inst., Div. of Geosciences, Univ. of Iceland, Reykjavik); Cuellar, G. (Estudio de los Recursos Geotermicos, San Salvador, El Salvador). Geothermics; Special Issue 2: 1392-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HOT SPRINGS;FUMAROLES;EL SALVADOR; GEOCHEMICAL SURVEYS;THERMAL WATERS;AQUIFERS; GROUND WATER;NATURAL STEAM;DEUTERIUM;GEOTHERMAL FIELDS

3092 CHEMICAL PROSPECTING OF STEAM AND HOT WATER IN THE MATSUKAWA GEOTHERMAL AREA. Fujii, Y.; Akeno, T. (Japan Metals and Chemicals Co., Ltd., Morioka, Japan). Geothermics; Special Issue 2: 1416-21(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
JAPAN;GEOCHEMICAL SURVEYS;NATURAL STEAM; THERMAL WATERS;HYDROGEN SULFIDES;ABUNDANCE; GEOTHERMAL WELLS;MATSUKAWA GEOTHERMAL FIELD; CHEMICAL COMPOSITION

3093 NOTE ON THE HOT SPRINGS OF ECUADOR. De Grys, A. (Proyecto Minero, Quito, Ecuador); Vera, J. (Servicio Nacional de Geologia y Mineria, Quito, Ecuador); Goossens, P. (UN Project, B.P. 72, Ouagadougou, Upper Volta, Africa (Now with Dept. Geology and Geological Engng., Mich. Tech. Univ., Houghton, Mich.)). Geothermics; Special Issue 2: 1400-4(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HOT SPRINGS;ECUADOR;CHEMICAL COMPOSITION; SODIUM CHLORIDES;CALCIUM;THERMAL WATERS; CARBONATES;LITHIUM;ARSENIC;BORON

3094 GEOCHEMISTRY OF THE WATERS DISCHARGED FROM DRILLHOLES IN THE OTAKE AND HATCHOBARU AREAS. Koga, A. (Inst. Balneology, Kyushu Univ., Beppu, Japan). Geothermics; Special Issue 2: 1422-5(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
OTAKE GEOTHERMAL FIELD;BOREHOLES;CHEMICAL COMPOSITION;GEOCHEMICAL SURVEYS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;TEMPERATURE MEASUREMENT;TRITIUM;THERMAL WATERS

3095 CHEMICAL STUDIES IN MEXICAN GEOTHERMAL FIELDS. Molina B., R.; (Comision Federal de Electricidad, Instituto de Investigaciones de la Industria Electrica, Mexico 5, D.F., Mexico); Banwell, C.J. (21 Putnam St., Wellington 5, New Zealand). Geothermics; Special Issue 2: 1377-91(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
MEXICO;GEOTHERMAL FIELDS;CHEMICAL ANALYSIS; HOT SPRINGS;GEYSERS;BOREHOLES;HYDROTHERMAL SYSTEMS;GEOCHEMICAL SURVEYS;THERMAL WATERS; NATURAL STEAM

3096 DEUTERIUM AND CHLORIDE IN GEOTHERMAL STUDIES IN ICELAND. Arnason, B. (Science Inst., Univ. Iceland, Reykjavik, Iceland); Tomasson, J. (Dept. Natural Heat, National Energy Authority, Reykjavik, Iceland). Geothermics; Special Issue 2: 1405-15(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
ICELAND;GROUND WATER;DEUTERIUM;CHEMICAL COMPOSITION;CHEMICAL REACTIONS;THERMAL WATERS; ABUNDANCE;CHLORIDES

3097 COLLECTION AND ANALYSIS OF VOLCANIC AND HYDROTHERMAL GASES. Finlayson, J.B. (Chem. Div., DSIR, Taupo, New Zealand). Geothermics; Special Issue 2: 1344-54(1970).
GASES;VOLCANOES;HOT SPRINGS;FUMAROLES; BOREHOLES;HYDROTHERMAL SYSTEMS;CHEMICAL ANALYSIS;SAMPLING;GAS ANALYSIS;FUMAROLIC FLUIDS;

NATURAL STEAM

3098 CHEMISTRY IN THE EXPLORATION AND EXPLOITATION OF HYDROTHERMAL SYSTEMS. Mahon, W.A.J. (Chem. Div., DSIR, New Zealand). Geothermics; Special Issue 2: 1310-22(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOCHEMISTRY;HYDROTHERMAL SYSTEMS; THERMODYNAMIC PROPERTIES;GEOTHERMAL EXPLORATION; THERMAL WATERS;HOT SPRINGS;FUMAROLES;CHEMICAL COMPOSITION;AQUIFERS;ROCKS;SILICON OXIDES; MAGNESIUM;FLUORIDES;SODIUM;POTASSIUM; GEOCHEMICAL SURVEYS

3099 HIGH-ACTIVITY HYDROTHERMAL ZONES DETECTED BY NA/K, CERRO PRIETO, MEXICO. Mercado, S. (Geothermochemical Res., CFE (I.I.I.E.), Atoyac 97-10°P, Mexico 5, D.F., Mexico). Geothermics; Special Issue 2: 1367-91(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
SODIUM;POTASSIUM;GEOTHERMAL FIELDS;BOREHOLES; HYDROTHERMAL SYSTEMS;TEMPERATURE MEASUREMENT; PRESSURE MEASUREMENT;MEXICO;GEOCHEMICAL SURVEYS; CERRO PRIETO GEOTHERMAL FIELD;ABUNDANCE

3100 GEOCHEMICAL STUDY OF VOLCANIC GASES. II. BEHAVIOR OF IODINE IN VOLCANIC GASES. Honda, F. Geochem. J. (Nagoya); 3: No. 4, 201-11(1970).
VOLCANOES;FUMAROLIC FLUIDS;CHEMICAL REACTIONS;SODIUM COMPOUNDS;SILICON OXIDES; SODIUM CHLORIDES;SODIUM IODIDES;OXIDATION; IODINE;GEOCHEMISTRY;SODIUM SILICATES;ABUNDANCE

3101 GEOCHEMISTRY OF CENTRAL AMERICAN VOLCANIC GAS CONDENSATES. Stoiber, R.E.; Rose, W.I., Jr. (Dep. Earth Sci., Dartmouth Coll., Hanover, N. H.). Geol. Soc. Am., Bull.; 81: No. 10, 2891-911(1970).
FUMAROLIC FLUIDS;CHEMICAL ANALYSIS; ABSORPTION SPECTROSCOPY;ION SPECTROSCOPY; MAGNESIUM;CALCIUM;SODIUM;POTASSIUM;FLUORINE; CHLORINE;SULFATES;GEOCHEMISTRY

3102 EXPERIMENTAL MINERALIZATION IN HOLES DRILLED FOR HYDROTHERMAL WATERS. Karpov, G.A. pp 121-44 of Mineral. Gidroterm. Sist. Kamchatki Kuril'skikh Ostrovov. Naboko, S.I. (ed.). Moscow; Nauka (1970).
USSR;THERMAL WATERS;CHEMICAL COMPOSITION; MINERALS;TEMPERATURE DEPENDENCE;CARBON DIOXIDE; PH VALUE;CRYSTALS;PYRITES;CRYSTAL GROWTH;DATA; CALCITE;QUARTZ;FELDSPARS;FORMATION HEAT; MINERALIZATION;SODIUM COMPOUNDS;CHLORIDES; CARBONATES;SULFATES

3103 MINERAL WATERS OF AX-LES-THERMES. Ghafouri, R. (Fac. Pharm., Univ. Teheran, Teheran, Iraq). Terres Eaux; No. 64, 19-27(1970).
MINERAL SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;SILICON;BROMINE;FLUORINE;BORON; HYDROGEN SULFIDES;NITROGEN;NATURAL RADIOACTIVITY;PH VALUE;SILICON OXIDES;CHEMICAL ANALYSIS;MINERALS;ABUNDANCE;FRANCE

3104 CHEMICAL AND HYGIENIC STUDIES ON NATURAL RADIOACTIVE SPAS. II. NATURAL RADIOACTIVE NUCLIDES IN HOT-SPRING WATER AT THE MISASA SPA AREA. Kametani, K.; Kido, Y.; Hasegawa, A.; Ikebuchi, H.; Urakubo, G. (Natl. Inst. Hyg. Sci., Tokyo, Japan). Eisei Kagaku; 16: No. 1, 9-14(1970).
JAPAN;THERMAL WATERS;HOT SPRINGS;CHEMICAL COMPOSITION;NATURAL RADIOACTIVITY;RADIUM ISOTOPES;RADIUM 226;RADIUM 222;CALCIUM COMPOUNDS;CHLORIDES;SULFIDES;URANIUM

3105 CHEMICAL AND HYGIENIC STUDIES ON NATURAL RADIOACTIVE SPAS. III. NATURAL RADIOACTIVE NUCLIDES IN HOT-SPRING WATER AT THE MASUTOMI SPA AREA. Kametani, K.; Tanaka, A.; Kido, Y.; Hasegawa, A.; Ikebuchi, H.; Urakubo, G. (Natl. Inst. Hyg. Sci., Tokyo, Japan). Eisei Kagaku; 16: No. 1, 15-18(1970).
JAPAN;HOT SPRINGS;NATURAL RADIOACTIVITY; RADIUM ISOTOPES;CHEMICAL COMPOSITION;RADIUM 226; RADON 222;URANIUM;THERMAL WATERS;ABUNDANCE

3106 COLLOIDAL SILICA IN HOT-SPRING WATER. Yanagase, K.; Yamaguchi, K.; Yanagase, T.; Suginohara, Y.; Kozawa, S.; Yamazaki, H. (Kyusku Denryoku Kenkyujo, Fukuoka, Japan). Nippon Kagaku Zasshi; 91: No. 12, 1141-8(1970).
JAPAN;HOT SPRINGS;CHEMICAL COMPOSITION; SILICON OXIDES;COLLOIDS;DEPOSITION;THERMAL WATERS;PLATES

3107 CHEMISTRY AND ORIGIN OF THE BRINES OF LAKE MAGADI, KENYA. Eugster, H.P. (Johns Hopkins Univ., Baltimore, Md.). Mineral. Soc. Amer., Spec. Pap.; No. 3, 213-35(1970). (In English).
KENYA;HOT SPRINGS;SURFACE WATERS;THERMAL WATERS;CHEMICAL COMPOSITION;SODIUM CHLORIDES; ABUNDANCE;BRINES;ORIGIN

3108 REVIEW OF KNOWLEDGE OF METALLIFEROUS BRINES AND RELATED DEPOSITS. Tooms, J.S. (Imp. Coll., London, Engl.). Inst. Min. Metall., Trans., Sect. B; 79: No. Aug., B116-B126(1970). (In English).
In southern California and Caspian and Red Seas. CALIFORNIA;RED SEA;USSR;SEAS;BRINES; THERMAL WATERS;CHEMICAL COMPOSITION;IRON; MANGANESE;ZINC;COPPER;LEAD;SILVER;ABUNDANCE

3109 FORMATION MECHANISM OF THERMAL SPRINGS STUDIED BY THE ANALYSIS OF THEIR CHEMICAL COMPOSITIONS. Miyanaga, T. (Fukushima Prefect. Inst. Health, Japan). Onsen Kogakkaishi; 7: No. 3, 129-40(1970). (In Japanese).
JAPAN;THERMAL WATERS;CHLORIDES;SULFATES; FLUORIDES;CARBONATES;CALCIUM COMPOUNDS;SODIUM COMPOUNDS;MAGNESIUM COMPOUNDS;CHEMICAL COMPOSITION;ABUNDANCE

3110 TRITIUM CONTENT OF BEPPU HOT SPRING WATER. Koga, A.; Kikkawa, K. (Kyushu Univ., Beppu, Japan). Oita-ken Onsen Chosa Kenkyu-kai Hokoku; No. 21, 1-4(1970). (In Japanese).
JAPAN;HOT SPRINGS;TRITIUM;ABUNDANCE;GROUND WATER;SULFURIC ACID;HYDROGEN SULFIDES;SULFUROUS ACID;OXIDATION;CHLORIDES;THERMAL WATERS; CHEMICAL COMPOSITION

3111 HOT SPRING WATER OF SHINOBU TAKAYU SPA, FUKUSHIMA PREFECTURE, JAPAN. Oyama, N.; Chiba, S. (Fukushima Univ., Fukushima, Japan). Fukushima Daigaku Kyoikugakubu Rika Hokoku; No. 20, 53-64(1970). (In Japanese).
JAPAN;HOT SPRINGS;PH VALUE;IRON COMPOUNDS; CALCIUM COMPOUNDS;MAGNESIUM COMPOUNDS;SULFATES; CHLORIDES;CHEMICAL COMPOSITION;THERMAL WATERS; ABUNDANCE;VOLCANIC REGIONS

3112 USE OF AUTOMATED TITRIMETRY FOR ANALYSES OF NATURAL WATER. Fishman, M.J.; Pascoe, R.F. pp C222-C225 of Geological Survey research 1970, Chapter C (US Geological Survey Professional Paper 700-C). Washington, DC; US Geol. Surv. (1970).
FRESH WATER;CHEMICAL ANALYSIS;TITRATION; ALKALI METALS;CHLORIDES;SULFATES

3113 METHODS FOR COLLECTION AND ANALYSIS OF WATER SAMPLES FOR DISSOLVED MINERALS AND GASES. Brown, E.; Skougstad, M.W.; Fishman, M.J. US Geological Survey Water-Resources Inv. Techniques, Book 5, Chapter A1. Washington, DC; United States of America (USA); US Geol. Surv. (1970). 160p.
WATER;CHEMICAL ANALYSIS;MANUALS;SAMPLING; MINERALS;GASES;ABUNDANCE;ACCURACY;GEOLOGICAL SURVEYS

3114 DISEQUILIBRIUM ON THE U-238 SERIES IN RECENT VOLCANIC ROCKS. Nishimura, S. Earth Planet. Sci. Lett.; 8: No. 4, 293-300(1970).
HAWAII;JAPAN;USSR;ITALY;VOLCANIC ROCKS; CHEMICAL COMPOSITION;URANIUM 238;THORIUM 230; RADIUM 226;ABUNDANCE;NATURAL RADIOACTIVITY; ISOTOPE RATIO;GEOCHEMISTRY

3115 ENERGETICS OF HCL AND HF IN VOLCANIC EMANATIONS. Mueller, R.F. Geochim. Cosmochim. Acta; 34: No. 7, 737-44(1970).
MAGMA;FUMAROLIC FLUIDS;HYDROCHLORIC ACID; HYDROFLUORIC ACID;ABUNDANCE;CHEMICAL COMPOSITION;VAPOR PRESSURE;SODIUM CHLORIDES; CALCIUM SILICATES;ALUMINIUM SILICATES

3116 MERCURY CONTENTS OF NATURAL THERMAL AND MINERAL FLUIDS. White, D.E.; Hinkle, M.E.; Barnes, I. pp 25-8, 62-3 of Mercury in the environment (US Geol. Surv., Prof. Paper 713). Washington, DC; US Geol. Surv. (1970).
YELLOWSTONE NATIONAL PARK;CALIFORNIA;HOT SPRINGS;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;MERCURY;ABUNDANCE;DEPOSITION

3117 ISOTOPIC COMPOSITION OF SULFUR IN HYDROTHERMAL WATERS OF KAMCHATKA AND KURILE ISLANDS AND ITS GENETIC SIGNIFICANCE. Vinogradov, V.I. pp 258-71 of Ocherki Geokhim. Rtuti, Molibdena Sery Gidroterm. Protsesse. Feodot'ev, K.M. (ed.). Moscow; Izdatel'stvo "Nauka" (1970). (In Russian)
USSR;THERMAL WATERS;MAGMATIC WATER;SULFUR 32; SULFUR 34;ISOTOPE RATIO;METEORIC WATER;ORIGIN

3118 MERCURY IN RECENT HYDROTHERMAL WATERS. Aidin'yan, N.Kh.; Ozerova, N.A.; Unanova, O.G. pp 9-48 of Ocherki Geokhim. Rtuti, Molibdena Sery Gidroterm. Protsesse. Feodot'ev, K.M. (ed.). Moscow; Izdatel'stvo "Nauka" (1970).
Comparison with condensates of sulfurous fumaroles. USSR;VOLCANIC REGIONS;THERMAL WATERS; CHEMICAL COMPOSITION;MERCURY;ABUNDANCE; TEMPERATURE DEPENDENCE;FUMAROLIC FLUIDS

3119 ISOTOPE GEOCHEMISTRY OF THERMAL AND METEORIC WATERS FROM THE NASUDAKE VOLCANIC AREA, TOCHIGI PREFECTURE, JAPAN. Kusakabe, M.; Wada, H.; Matsuo, S.; Horibe, Y. (Dep. Chem., Tokyo Univ. Educ., Tokyo, Japan). pp 739-42 of Recent Developments in Mass Spectroscopy, Proceedings of International Conference on Mass Spectroscopy, 1969. Ogata, K. (ed.). Baltimore, MD; Univ. Park Press (1970).
JAPAN;THERMAL WATERS;METEORIC WATER;VOLCANIC REGIONS;HOT SPRINGS;FUMAROLIC FLUIDS;GROUND WATER;OXYGEN 18;DEUTERIUM;CHEMICAL COMPOSITION; ISOTOPE RATIO;OXYGEN ISOTOPES;HYDROGEN ISOTOPES

3120 CHEMISTRY OF ERUPTIVE GASES. Le Guern, F. (Sect. Magnetohydrodyn., C.E.N. Saclay, Gif-sur-Yvette, France). C. R. Hebd. Seances Acad. Sci., Ser. D; 271: No. 25, 2262-5(1970).
FUMAROLIC FLUIDS;VOLCANOES;CHEMICAL COMPOSITION;AIR;COMBUSTION;GASES

3121 CHANGES OF CHEMICAL COMPONENTS IN THERMAL-SPRING WATER DURING TRANSPORTATION THROUGH PIPELINES. Kanroji, Y.; Tanaka, A. (Therm. Spring Res. Cent., Chem. Inst., Japan). Onsen Kogakkaishi; 7: No. 3, 155-63(1970).
JAPAN;HOT SPRINGS;THERMAL WATERS;TRANSPORT; PIPES;CHEMICAL REACTIONS;SULFUR;SULFIDES; SULFATES;CALCIUM CARBONATES;CARBON DIOXIDE; WATER;IRON OXIDES;IRON COMPOUNDS;OXIDATION; PRECIPITATION

3122 GEOCHEMICAL STUDY OF VOLCANIC GASES. II. BEHAVIOR OF IODINE IN VOLCANIC GASES. Honda, F. (Univ. Nagoya, Nagoya, Japan). Geochem. J. (Nagoya); 8: No. 4, 201-11(1970). (In English).
FUMAROLIC FLUIDS;THERMODYNAMICS;SODIUM SILICATES;CHEMICAL REACTIONS;SODIUM CHLORIDES; IODINE;CHLORINE;QUANTITY RATIO

3123 OXYGEN AND HYDROGEN ISOTOPE RATIOS OF MONTHLY COLLECTED WATERS FROM NASUDAKE VOLCANIC AREA, JAPAN. Kusakabe, M.; Wada, H.; Matsuo, S.; Horibe, Y. J. Geophys. Res.; 75: No. 30, 5941-51(1970).
FUMAROLIC FLUIDS;HOT SPRINGS;THERMAL WATERS; METEORIC WATER;JAPAN;ISOTOPE RATIO;OXYGEN 18; DEUTERIUM;SEASONAL VARIATIONS;ABUNDANCE;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;CHEMICAL COMPOSITION

3124 GEOCHEMICAL PROSPECTING IN TAIWAN, CHINA. Tan, L.P. (National Taiwan Univ., Taipei). Proceedings of the Second Seminar on Geochemical Prospecting Methods and Techniques. New York; United Nations (1970).
From 2. Seminar on Geochemical Prospecting Methods and Techniques; Peradeniya, Ceylon (10 Sep 1970).
CHINA;GEOCHEMICAL SURVEYS;GEOTHERMAL RESOURCES;MINERALS;PROSPECTING;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS

3125 RELATION OF ORGANIC MATTER TO MICROCOMPONENTS IN THE THERMAL WATERS OF SOUTHERN KAMCHATKA. Seletskii, Yu.B.; Shvets, V.M. Tr. Vses. Nauch.-Issled. Inst. Gidrogeol. Inzh. Geol.; No. 33, 188-93(1970).
THERMAL WATERS;USSR;TRACE AMOUNTS;ELEMENTS; CHEMICAL COMPOSITION;ORGANIC ACIDS;ORGANIC NITROGEN COMPOUNDS;ORGANIC COMPOUNDS;HUMUS; BORON;LITHIUM;GERMANIUM;IRON;IODINE;BROMINE

3126 GEOCHEMICAL SURVEY OF THE VOLCANIC EMISSIONS OF THE CAMPI FLEGREI. Dall'aglio, M.; Martini, M.; Tonani, F. (Com. Naz. Energ. Nucl., Rome, Italy). Quad. Ric. Sci.; No. 83, 152-81(1970).
HOT SPRINGS;GEOCHEMICAL SURVEYS;ITALY; THERMAL WATERS;SODIUM CHLORIDES;CALCIUM CARBONATES

3127 URANIUM, THORIUM, AND RARE-EARTH ELEMENTS IN THERMAL WATERS OF KAMCHATKA. Udal'tsova, N.I.; Leonova, L.L. (Inst. Vulkanologii, Petropavlovsk-Kamchatskii, USSR). Geokhimiya; No. 12, 1504-10(Dec 1970).
THERMAL WATERS;URANIUM;THORIUM;RARE EARTHS;

USSR;CHLORIDES;SODIUM CARBONATES;ABUNDANCE; TRACE AMOUNTS;ELEMENTS;CHEMICAL COMPOSITION

3128 MINOR ELEMENTS OF SHINOBU-TAKAYU HOT SPRING, FUKUSHIMA PREFECTURE. ARSENIC, MANGANESE, AND ZINC. Oyama, N.; Chiba, S.; Satoh, N.; Endoh, M.; Abe, F. (Fukushima Univ., Fukushima, Japan). Fukushima Daigaku Kyoikugakubu Rika Hokoku; No. 21, 9-16(1971). (In Japanese).
JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ARSENIC;MANGANESE;ZINC;ABUNDANCE

3129 GEOTHERMAL CONDITIONS AND THERMAL WATERS. Mesyats, I.A.; Pankrat'eva, N.P. pp 362-74 of Gidrogeol. SSSR, Volume 5. Sidorenko, A.V. (ed.). Moscow; 'Nedra' (1971).
Ukraine. THERMAL WATERS;MEDIUM TEMPERATURE; USSR;CHEMICAL COMPOSITION;SPACE HEATING;SODIUM CHLORIDES;CALCIUM CHLORIDES;NITROGEN;CARBON DIOXIDE;METHANE;IRON;IODINE;FLUORINE;BORON; SILICIC ACID;PRESSURE DEPENDENCE;GEOTHERMAL RESOURCES

3130 ISOTOPIC COMPOSITION OF WATERS OF THE BROADLANDS GEOTHERMAL FIELD. Giggenbach, W. (Chem. Div., Dep. Sci. Ind. Res., Wairakei, N. Z.). N. Z. J. Sci.; 14: No. 4, 959-70(1971).
BROADLANDS GEOTHERMAL FIELD;GEOTHERMAL FLUIDS;ROCKS;AQUIFERS;ISOTOPE RATIO;THERMAL WATERS;OXYGEN 18;DEUTERIUM;CHLORINE IONS; CHEMICAL COMPOSITION;ENTHALPY;OXYGEN ISOTOPES; HYDROGEN ISOTOPES;SURFACE WATERS;THERMAL WATERS

3131 GENETIC NATURE OF THE VALUES OF RUBIDIUM/CESIUM AND LITHIUM/CESIUM RATIOS IN NATURAL WATERS. Pentcheva, E.N. (Inst. Geol., Acad. Sci. Sofia, Bulg.). C. R. Hebd. Seances Acad. Sci., Ser. D; 273: No. 4, 443-5(1971).
LITHIUM;CESIUM;RUBIDIUM;QUANTITY RATIO; THERMAL WATERS;SODIUM;CHEMICAL COMPOSITION; GRANITES;PEGMATITES

3132 RADON-222 CONTENT IN KAMCHATKA THERMAL SPRINGS. Chirkov, A.M. (Sib. Otd., Inst. Vulkanol., Petropavlovsk, USSR). Dokl. Akad. Nauk SSSR; 199: No. 1, 202-3(1971).
USSR;HOT SPRINGS;RADON 222;ABUNDANCE;THERMAL WATERS;CHEMICAL COMPOSITION;OXYGEN;NITROGEN; CARBON DIOXIDE;METHANE;HYDROGEN SULFIDES; HYDROTHERMAL SYSTEMS;GASES

3133 FORMS OF LEAD AND ZINC OCCURRENCE IN THERMAL BRINES OF THE CHELEKEN PENINSULA. Lebedev, L.M.; Baranova, N.N.; Nikitina, I.B. (Inst. Geol. Ore Deposits, Petrogr. Mineral. Geochem., Moscow, USSR). Geokhimiya; No. 7, 823-9(1971).
BRINES;THERMAL WATERS;USSR;LEAD;ZINC; ABUNDANCE;CHLORIDES;LEAD CARBONATES;CHEMICAL COMPOSITION;ZINC CHLORIDES;LEAD CHLORIDES; COMPLEXES

3134 SOLUBILITY OF ORPIMENT (AS_2S_3) IN TAMAGAWA HOT SPRINGS, AKITA PREFECTURE. Nakagawa, R. (Chdiba Univ., Chiba, Japan). Nippon Kagaku Zasshi; 92: No. 2, 154-9(1971). (In Japanese).
ARSENIC SULFIDES;SOLUBILITY;JAPAN;HOT SPRINGS;PH VALUE;SODIUM CHLORIDES;HYDROGEN SULFIDES;AQUEOUS SOLUTIONS;THERMAL WATERS; SOLVENT PROPERTIES

3135 GEOTHERMAL SURVEY OF SOUNKYO DISTRICT IN MT. TAISETSU AREA, HOKKAIDO, JAPAN. III. HGS-1 TEST WELL. Wake, T.; Yokoyama, E. (Hokkaidoritsu Chikashigen Chosasho, Sapporo, Japan). Chika Shigen Chosasho Hokoku; No. 44, 63-72(1971). (In Japanese).
JAPAN;HYDROTHERMAL SYSTEMS;BOREHOLES;THERMAL WATERS;CHEMICAL COMPOSITION;NATURAL STEAM; CARBONATES;SILICON OXIDES;SODIUM COMPOUNDS; SULFATES;CHLORIDES;POTASSIUM COMPOUNDS;CALCIUM COMPOUNDS;MAGNESIUM COMPOUNDS;PHYSICAL PROPERTIES;ABUNDANCE;CARBON DIOXIDE;HYDROGEN SULFIDES

3136 GEOTHERMAL SURVEY OF SOUNKYO DISTRICT IN MT. TAISETSU AREA, HOKKAIDO, JAPAN. II. GEOCHEMICAL SURVEY. Yokoyama, E. (Hokkaidoritsu Chikashigen Chosasho, Sapporo, Japan). Chika Shigen Cholsasho Hokoku; No. 44, 55-61(1971). (In Japanese).
JAPAN;THERMAL WATERS;TEMPERATURE MEASUREMENT; PH VALUE;CHEMICAL COMPOSITION;CARBONATES

3137 MERCURY-ANTIMONY-ARSENIC MINERALIZATION IN KAMCHATKA AND KURILE ISLANDS HYDROTHERMAL SPRINGS. Ozerova, N.A.; Naboko, S.I.; Vinogradov, V.I. (Inst. Vulkanol., Petropavlovsk-Kamchatskii, USSR). Geol. Geofiz.; No. 1, 3-9(1971). (In Russian).
USSR;HOT SPRINGS;MERCURY;ANTIMONY;ARSENIC; MINERALIZATION;VOLCANIC ROCKS;GEOTHERMAL FLUIDS; SODIUM CHLORIDES;SULFUR ISOTOPES;CHEMICAL COMPOSITION;ORES;SPHALERITES;PYRITES;SULFATES; HYDROGEN SULFIDES;CARBON DIOXIDE;ISOTOPE RATIO; THERMAL WATERS;MINERALS

3138 GEOCHEMISTRY AMONG THE METHODS OF PROSPECTING FOR GEOTHERMAL ENERGY. Tonani, F. (Univ. Palermo, Palermo, Italy). Ann. Mines; 41-60(1971). (In French).
GEOTHERMAL EXPLORATION;GEOCHEMICAL SURVEYS; GEOCHEMISTRY;ISOTOPE RATIO;BORON;CHLORINE; CARBONATES;OXYGEN 18;OXYGEN 16;DEUTERIUM; HYDROGEN;SODIUM;POTASSIUM;AMMONIA;HYDROGEN SULFIDES;SILICON OXIDES;PROSPECTING;QUANTITY RATIO;OXYGEN ISOTOPES;HYDROGEN ISOTOPES

3139 ISOTOPES OF HELIUM AND TRITIUM IN VOLCANIC SPRINGS. Devirts, A.L.; Kamenskiy, I.L.; Tolstikhin, I.N. Dokl. Akad. Nauk SSSR; 197: No. 2, 450-2(1971).
USSR;VOLCANIC REGIONS;HELIUM ISOTOPES; TRITIUM;HOT SPRINGS;CHEMICAL COMPOSITION; ABUNDANCE;THERMAL WATERS;ISOTOPE RATIO;HYDROGEN ISOTOPES

3140 MINERALIZATION IN THE BROADLANDS GEOTHERMAL FIELD, TAUPO VOLCANIC ZONE, NEW ZEALAND. Browne, P.R.L. (Victoria Univ., Wellington, NZ). Pap. Proc. Gen. Meet., Int. Mineral Ass. (7th), 1970; No. 2, 64-75(1971).
BROADLANDS GEOTHERMAL FIELD;MINERALIZATION; PRECIPITATION;COPPER;LEAD;ZINC;SILVER;ANTIMONY; MERCURY;ABUNDANCE;LEAD SULFIDES;ZINC SULFIDES; PYRITES;COPPER ORES;ZINC ORES;MINERALS

3141 EFFECT OF SALINITY ON THE MAXIMUM THERMAL GRADIENT OF A HYDROTHERMAL SYSTEM AT HYDROSTATIC PRESSURE. Haas, J.L. Jr. (U.S. Geol. Surv., Washington, D.C.). Econ. Geol.; 66: No. 6, 940-6(1971).
SALINITY;BRINES;HYDROTHERMAL SYSTEMS; GEOTHERMAL GRADIENTS;HOT SPRINGS;INCLUSIONS; ORES;MINERALS;ISOTHERMAL PROCESSES;MATHEMATICAL MODELS;SODIUM CHLORIDES;CALCIUM CHLORIDES; POTASSIUM CHLORIDES

3142 AUTOMATIC METHOD FOR THE DETERMINATION OF HYDROGEN SULPHIDE IN NATURAL WATERS.

Grasshoff, K.M.; Chan, K.M. Anal. Chim. Acta; 53: No. 2, 442-5(1971).
GROUND WATER;SEAWATER;QUALITATIVE CHEMICAL ANALYSIS;HYDROGEN SULFIDES;ZINC SULFIDES; CADMIUM SULFIDES;COLLOIDS;GELATIN

3143 REGULAR CHARACTERISTICS IN FORMATION OF CHEMICAL COMPOSITION OF THERMAL WATERS IN THE ILI SYNCLINE. Kan, M.S. (Inst. Gidrogeol. Gidrofiz., Alma-Ata, USSR). Izv. Akad. Nauk Kaz. SSR, Ser. Geol.; 27: No. 2, 60-4(1971). (In Russian).
THERMAL WATERS;CHEMICAL COMPOSITION;USSR; ZONES;IONS;DIFFUSION;CALCIUM CARBONATES;SODIUM CHLORIDES

3144 HYDROCHEMISTRY OF DIFFERENT TEMPERATURE ZONES IN THE KANA ARTESIAN BASIN. Lysak, S.V.; Shuranova, N.N. pp 168-9 of Podzemn. Vody Sib. Dal'nego Vostoka, Dokl., Soveshch. 1967. Lomonosov, T.S. Moscow; ''Nauka'' (1971).
USSR;ARTESIAN BASINS;HOT SPRINGS;TEMPERATURE GRADIENTS;CHEMICAL COMPOSITION;THERMAL WATERS

3145 DEEP DRILLING FOR MINERALIZED THERMAL WATERS IN BAD UEBERKINGEN, GOEPPINGEN AREA, BADEN--WUERTTEMBERG. Carle, W. (Korntal, Germany). Jahresh. Ver. Vaterl. Naturkd. Wuerttemb.; 126: 36-87(1971).
5 hot springs, 30.5 to 40.2°C. THERMAL WATERS;DRILLING;MINERALS;CHEMICAL COMPOSITION; GERMAN FEDERAL REPUBLIC;HOT SPRINGS;SODIUM SULFATES;CALCIUM SULFATES;SODIUM CHLORIDES; CALCIUM CHLORIDES;SODIUM CARBONATES;MAGNESIUM SULFATES

3146 FORMATION OF THE CHEMICAL COMPOSITION OF WATERS OF SOME MINERAL SPRINGS IN EASTERN SAYAN. Shpeyzer, G.M.; Borisenko, I.M.; Bochkarev, P.F.; Charchidi, L.A.; Bekhtereva, N.V. (Irkutskii Gosudarstvennyi Univ., USSR). pp 189-92 of Podzemnyye vody sibiri i dal'nego vostoka. Moscow; 'Nauka' (1971).
CHEMICAL COMPOSITION;THERMAL WATERS;MINERAL SPRINGS;HOT SPRINGS;WATER CHEMISTRY;IGNEOUS ROCKS;METAMORPHIC ROCKS;CARBONATES;USSR

3147 SPECTROGRAPHIC ANALYSIS OF THE TRACE ELEMENT CONTENT OF THERMAL SPRINGS NO. I IN DEBRECEN AND NO. V IN HAJDUSZOBOSZLO. Szarvas, P.; Jarabin, Z.; Dezso, Z. (Szervetlen Anal. Kem. Intez., Kossuth Lajos Tudomanyegy., Debrecen, Hungary). Acta Phys. Chim. Debrecina; 17: 117-85(1971).
THERMAL WATERS;TRACE AMOUNTS;ELEMENTS; CHEMICAL COMPOSITION;SPECTROSCOPY;CHEMICAL ANALYSIS;HUNGARY

3148 ANALYSIS OF THERMAL WATERS OF THE NO. I AND III DEBRECEN DEEP-BORINGS AND THE NO. V AND VI HAJDUSZOBASZLO DEEP-BORINGS. Szarvas, P.; Jarabin, Z.; Boruzs, J. (Szervetlen Anal. Kem. Intez., Kossuth Lajos Tudomanyegy., Debrecen, Hungary). Acta Phys. Chim. Debrecina; 17: 187-92(1971).
THERMAL WATERS;BOREHOLES;CHEMICAL COMPOSITION;HUNGARY;SODIUM CHLORIDES;CARBONATES; IODINE COMPOUNDS;BROMINE COMPOUNDS

3149 RESULTS OF A STUDY OF ORGANIC MATTER IN GROUNDWATERS OF KAMCHATKA. Bykova, Ye.L.; Goleva, G.A.; Dekusar, Z.B. (All-Union Sci. Res. Inst. of Hydrogeology and Engineering Geology, Moscow). Geokhimiya; No. 2, 225-37(Feb 1971).
THERMAL WATERS;USSR;GEOCHEMISTRY;NITROGEN; ORGANIC COMPOUNDS;GROUND WATER

3150 EFFECT OF SALINITY ON THE MAXIMUM THERMAL GRADIENT OF A HYDROTHERMAL SYSTEM AT HYDROSTATIC PRESSURE. Hass, J.L., Jr. (Geological Survey, Washington, DC). Economic Geology; 66: No. 6, 940-946(Sep-Oct 1971).
THERMAL WATERS;TEMPERATURE DISTRIBUTION; SALINITY;DEPTH;BRINES;BOILING;MATHEMATICAL MODELS;GEOPRESSURED SYSTEMS;HYDROTHERMAL SYSTEMS;TEMPERATURE GRADIENTS;HOT SPRINGS; SODIUM;CALCIUM;POTASSIUM;CHLORIDES

3151 PRELIMINARY STUDY OF THE GEOCHEMICAL CHARACTERISTICS OF THERMAL WATERS IN NEW MEXICO. Summers, W.K.; Deju, R.A. (New Mexico Inst. Mining and Technology, Socorro). pp 241-50 of Proceedings of 24th Session of the International Geological Congress, Section 11, Hydrogeology; Montreal, Canada, 1972. Ottawa, Canada; International Geological Congress (1972).
From 24. International Geological Congress, Section 11, Hydrogeology; Montreal, Canada (1972).
NEW MEXICO;HOT SPRINGS;GEOLOGY;HYDROLOGY; GROUND WATER;IGNEOUS ROCKS;LEACHING;THERMAL WATERS;CHEMICAL COMPOSITION;GEOCHEMISTRY

3152 THERMAL AND MINERAL SPRINGS IN THE SOUTHERN ROCKY MOUNTAINS OF CANADA. Van Everdingen, R.O. Ottawa; Dept. of the Environment, Ottawa (Ontario). Water Management Service (1972). 151p.
CANADA;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE DISTRIBUTION;GEOLOGY; GEOCHEMISTRY

3153 ORIGIN OF THE SHIMOGAMO GEOTHERMAL BRINE, IZU, JAPAN. Mizutani, Y.; Hamasuna, T. (Fac. Sci., Nagoya Univ., Nagoya, Japan). Kazan; 17: No. 3, 123-34(1972).
JAPAN;GEOTHERMAL FLUIDS;BRINES;ORIGIN; ISOTOPE RATIO;STABLE ISOTOPES;CHEMICAL COMPOSITION;ROCKS;HYDROTHERMAL ALTERATION; GEOTHERMOMETRY;HYDROGEN ISOTOPES;OXYGEN ISOTOPES;SULFUR ISOTOPES;TEMPERATURE MEASUREMENT;GEOTHERMAL FIELDS

3154 COMPOSITION OF AMMONIUM (MINERALS) IN THE GEOTHERMAL ZONE. Coradossi, N. Soc. Toscana Sci. Nat., Atti, Mem., Ser.; 79: 223-244(1972).
ITALY;TURKEY;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;GEOCHEMISTRY;MINERALS; SULFATES;AMMONIUM COMPOUNDS;FUMAROLES;FUMAROLIC FLUIDS

3155 ISOTOPIC AND CHEMICAL EQUILIBRIUM OF CH_4--CO_2 AND PYRITE-ANHYDRIDE IN GEOTHERMAL AREA IN JAPAN. Nakai, N. Int. Symp. Hydrogeochem. Biogeochem.; 1970: 22(1972).
JAPAN;MATSUKAWA GEOTHERMAL FIELD;IRON SULFIDES;GEOCHEMISTRY;THERMAL WATERS;CARBON ISOTOPES;SULFUR ISOTOPES;ISOTOPE RATIO;METHANE; CARBON DIOXIDE;PHASE STUDIES;PYRITES; HYDROTHERMAL ALTERATION;ANHYDRIDES

3156 FERROAN NONTRONITE FROM THE RED SEA GEOTHERMAL SYSTEM. Bischoff, J.L. (Dep. Geol. Sci., Univ. South. California, Los Angeles, CA). Clays Clay Miner.; 20: No. 4, 217-23(1972).
GEOTHERMAL SYSTEMS;MINERALS;RED SEA;CHEMICAL ANALYSIS;IRON COMPOUNDS;MONTMORILLONITE; GEOLOGIC DEPOSITS

3157 REVIEW OF GEOCHEMICAL TECHNIQUES IN GEOTHERMAL EXPLORATION. Fournier, R.O.; White, D.E. Soc. Explor. Geophys., Annu. Int. Mtg.; No. 42, 35-6(1972).
GEOTHERMAL EXPLORATION;GEOCHEMISTRY; GEOCHEMICAL SURVEYS;MEASURING METHODS

3158 GEOLOGY AND HOT SPRINGS OF ORAKEIKORAKO. Lloyd, E.F.; Mahon, W.A.J.; Boielle, L. (New Zealand Geol. Surv., Lower Hutt, N.Z.). N.Z., Geol. Surv., Bull.; No. 85, 1-164(1972).
HOT SPRINGS;NEW ZEALAND;GEOLOGY;THERMAL WATERS;CHEMICAL COMPOSITION;SODIUM CHLORIDES; SODIUM CARBONATES;GEOCHEMICAL SURVEYS

3159 GEOCHEMICAL FEATURES OF INTERSTITIAL SOLUTIONS IN PRESENT ORE-FORMATION ZONES (PAUZHET HOT SPRINGS, KAMCHATKA). Pampura, V.D.; Novikov, V.M.; Kochergin, V.N.; Kostyukova, E.S. Ezheg., Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR; 1971: 224-9(1972).
HOT SPRINGS;GEOCHEMISTRY;ZONES;THERMAL WATERS;PHASE STUDIES;EQUILIBRIUM;SODIUM; POTASSIUM;MAGNESIUM;ZINC;COPPER;USSR

3160 ORIGIN AND BEHAVIOR OF ZINC IN THE HOT SPRING WATER OF SHINOBU TAKAYU SPA, FUKUSHIMA PREFECTURE, JAPAN. Chiba, S.; Kusano, Y. (Fukushima Univ., Fukushima, Japan). Fukushima Daigaku Kyoikugakubu Rika Hokoku; No. 22, 19-25(1972).
ZINC;HOT SPRINGS;ORIGIN;CHEMICAL ANALYSIS; SPECTROPHOTOMETRY;HYDROGEN SULFIDES;PH VALUE; DISSOLUTION;THERMAL WATERS;JAPAN

3161 CONTENTS OF MICROELEMENTS IN THE THERMOMINERAL SPA WATER FROM KATLANOVO (SKOPLJE). Vujanovic, V.; Arsenijevic, M.; Teofilovic, M. (Inst. Geol. Min. Explor., Belgrade, Yugoslavia). pp 437-41 of Zapisnici Srp. Geol. Drus. 1968-1970. (1972).
THERMAL WATERS;MINERALS;TRACE AMOUNTS; ELEMENTS;YUGOSLAVIA;SPECTROSCOPY;LITHIUM; RUBIDIUM;CESIUM;STRONTIUM;NITROGEN;COBALT; CHROMIUM;CHEMICAL COMPOSITION

3162 METHODS FOR THE DETERMINATION OF COMPONENTS OF THERMAL WATERS BY ATOMIC ABSORPTION SPECTROSCOPY. Goguel, R.L. N.Z., Dep. Sci. Ind. Res., Chem. Div. Rep. No. C.D. 2151. New Zealand; Dep. Sci. Ind. Res., New Zealand (1972). 26p.
THERMAL WATERS;CHEMICAL ANALYSIS;ABSORPTION SPECTROSCOPY;LITHIUM;SODIUM;POTASSIUM;RUBIDIUM; CESIUM;MAGNESIUM;CALCIUM;MANGANESE;ALUMINIUM; IRON;ANTIMONY;BORON

3163 MICROCHEMICAL CHARACTERISTICS OF NITROGEN THERMAL WATERS. Pencheva, E.N. Izv. Geol. Inst., Bulg. Akad. Nauk., Ser. Inzh. Geol. Khidrogeol.; 19-20, 153-66(1972).
NITROGEN;THERMAL WATERS;VANADIUM;CHEMICAL COMPOSITION;SODIUM;LITHIUM;CALCIUM;QUANTITY RATIO;QUANTITATIVE CHEMICAL ANALYSIS;BERYLLIUM; TRACE AMOUNTS;ELEMENTS;HELIUM;ARGON

3164 HYPERSALINE THERMAL SPRINGS IN THE CUANZA SUL DISTRICT, ANGOLA. Figueiredo Gomes, C.de S.; Faria Galvao, C.A. (Serv. Geol. Mines Angola, Luanda, Angola). pp 245-53 of Int. Geol. Congr., Rep. Sess., 24th. Volume 10. (1972).
THERMAL WATERS;HOT SPRINGS;SODIUM CARBONATES; SULFATES;CHLORIDES;MINERALS;ORIGIN;CHEMICAL COMPOSITION;DEPOSITION;ANGOLA;AFRICA

3165 REFRACTROMETRIC METHOD FOR THE STUDY OF MINERAL WATERS (AS ILLUSTRATED BY THE THERMAL WATERS OF THE CRIMEA). Nesterov, K.V. (Odes. Nauk Dokl.-Issled. Kurortol., Odessa, USSR). Geol. Poberezh'ya Dna Chern. Azovskogo Morei Predelakh Ukr. SSR; No. 6, 127-32(1972).
THERMAL WATERS;CARBONATES;SULFATES;CHLORINE; SODIUM;POTASSIUM;MAGNESIUM;BROMINE;IODINE; BORATES;ENTHALPY;PH VALUE;CHEMICAL COMPOSITION; REFRACTION;USSR

3166 GEOCHEMICAL CHARACTERISTICS OF WATER OF THE HOT SPRINGS OF GORNJE TOPLICA. Arsenijevic, M. (Inst. Geol.-Rud. Istraz. Ispit. Nukl., Belgrade, Yugoslavia). Vesn. Zavod Geol. Geofiz. Istraz., Ser. A; 29-30, 341-55(1972).
HOT SPRINGS;GEOCHEMICAL SURVEYS;THERMAL WATERS;CHEMICAL COMPOSITION;CALCIUM CARBONATES; MAGNESIUM CARBONATES;YUGOSLAVIA

3167 TRAVERTINE OF RAPOLANO TERME (SIENA). Cipriani, N.; Ercoli, A.; Malesani, P.; Vannucci, S. (Univ. Firenze, Florence, Italy). Mem. Soc. Geol. Ital.; 11: No. 1, 31-46(1972).
CALCIUM CARBONATES;DEPOSITION;PRECIPITATION; THERMAL WATERS;STRONTIUM;SULFATES;LIMESTONE; GEOLOGIC DEPOSITS

3168 HELIUM IN THE THERMAL SPRINGS OF UNCARTOQ, SOUTH GREENLAND. Persoz, F.; Larsen, E.; Singer, K. (Univ. Neuchatel, Nauchatel, Switzerland). Geol. Surv. Greenland Rep.; No. 44, 1-21(1972).
HOT SPRINGS;HELIUM;CHEMICAL ANALYSIS;SODIUM CHLORIDES;CALCIUM CHLORIDES;THERMAL WATERS; ABUNDANCE

3169 CHEMISTRY OF THE BROADLANDS GEOTHERMAL AREA NEW ZEALAND. Mahon, W.A.J.; Finlayson, J.B. (Dept. of Sci. and Ind. Res., Wellington (New Zealand). Chem. Div.). Am. J. Sci.; 272: No. 1, 48-68(Jan 1972).
BROADLANDS GEOTHERMAL FIELD;NEW ZEALAND;HEAT FLOW;THERMAL WATERS;GEOCHEMISTRY;CHEMICAL COMPOSITION;GEOCHEMICAL SURVEYS;HOT SPRINGS; SODIUM CHLORIDES;POTASSIUM CHLORIDES;BORON; SILICON OXIDES;METEORIC WATER;HOT-WATER SYSTEMS

3170 CARBON ISOTOPIC COMPOSITION AND THE CONCENTRATION OF THE DISSOLVED ANORGANIC CARBON IN THE ATLANTIS II DEEP BINES. RED SEA. Schoell, M.; Stahl, W. (Bundesanstalt fuer Bodenforschung, Hanover, West Germany). Earth Planet. Sci. Lett.; 15: No. 2, 206-11(Jun 1972).
CARBON ISOTOPES;ISOTOPE RATIO;ABUNDANCE; BRINES;THERMAL WATERS;RED SEA;CARBON; GEOCHEMISTRY

3171 ISOTOPIC COMPOSITION OF HELIUM IN THERMAL SPRINGS OF ICELAND. Mamyrin, B.A.; Bruce, W.N.; Shimp, N.F. (Akad. Nauk SSSR, Leningrad. Fiz.-Tekhn. Inst.). Geokhimiya; No. 11, 1396(Nov 1972).
ISOTOPE RATIO;HELIUM;HOT SPRINGS;ICELAND; RIFT ZONES;VOLCANIC REGIONS;GEOCHEMISTRY

3172 GEOCHEMICAL METHODS IN GEOTHERMAL EXPLORATION. Sigvaldason, G.E. (Univ. of Iceland, Reykjavik). pp 49-59 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL EXPLORATION;GEOCHEMISTRY; GEOCHEMICAL SURVEYS;CHEMICAL COMPOSITION;

HEATING;MEASURING METHODS;GEOTHERMAL FLUIDS; BOREHOLES;DRILLING

3173 REVIEW OF GEOCHEMICAL TECHNIQUES IN GEOTHERMAL EXPLORATION. Fournier, R.O.; White, D.E. Geophysics; 38: No. 1, 172(1973).
GEOCHEMICAL SURVEYS;GEOTHERMAL EXPLORATION; MEASURING METHODS;REVIEWS

3174 GEOTHERMAL INVESTIGATIONS IN IDAHO. I. GEOCHEMISTRY AND GEOLOGIC SETTING OF SELECTED THERMAL WATERS. Young, H.W.; Mitchell, J.C. (US Geol. Surv., Menlo Park, CA). Idaho, Dep. Water Admin., Water Inform. Bull.; No. 30, 1-43(1973).
IDAHO;THERMAL WATERS;GEOCHEMISTRY;CHEMICAL COMPOSITION;SILICON OXIDES;SODIUM;POTASSIUM; CALCIUM;TEMPERATURE MEASUREMENT;GEOTHERMOMETRY; GEOLOGY

3175 GEOCHEMISTRY OF THERMAL WATERS IN LONG VALLEY, CALIFORNIA. Willey, L.M.; Rapp, J.B.; Barnes, I. EOS, Trans., Am. Geophys. Union; 54: No. 11, 1212(1973).
CALIFORNIA;THERMAL WATERS;GEOCHEMISTRY; CHEMICAL COMPOSITION;PH VALUE;GEOTHERMAL EXPLORATION;ELEMENTS;TRACE AMOUNTS;CHEMICAL REACTIONS;ISOTOPES;HYDROLOGY;GEOLOGY;GEOTHERMAL FIELDS;GEOCHEMICAL SURVEYS

3176 STUDIES ON THE SUSPENDED MATERIAL IN THE HYDROTHERMAL BRINES OF THE ATLANTIS-II DEEP. Hartmann, M. Geol. Rundsch.; 62: No. 3, 742-754(1973).
BRINES;CHEMICAL COMPOSITION;THERMAL WATERS; RED SEA

3177 STUDIES OF THE ENERGY OF GEOCHEMICAL PROCESSES IN AREAS OF PRESENT-DAY THERMAL WATER DISCHARGE. Il'in, V.A. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 10, 191(1973).
THERMAL WATERS;GEOCHEMISTRY;ION EXCHANGE; THERMODYNAMICS;ROCKS;HYDROTHERMAL ALTERATION

3178 DETERMINATION OF SOME BASE METALS IN BROADLANDS GEOTHERMAL WATERS. Ritchie, J.A. N.Z., Dep. Sci. Ind. Res., Chem. Div., Rep. Wellington, NZ; New Zealand; N.Z., Dep. Sci. Ind. Res., Chem. Div. (1973). 24p.
BROADLANDS GEOTHERMAL FIELD;GEOTHERMAL WELLS; CHEMICAL COMPOSITION;COPPER;LEAD;ZINC;SILVER; NICKEL;CADMIUM;ION EXCHANGE;ABSORPTION SPECTROSCOPY;EXTRACTION;BENZENE;CHEMICAL ANALYSIS;ABUNDANCE;THERMAL WATERS

3179 ISOTOPIC COMPOSITION OF CALCITE AND WATER FROM THE DUNES - DWR NO. 1 GEOTHERMAL TEST COREHOLE, IMPERIAL VALLEY, CALIFORNIA. Coplen, T.B. EOS, Trans., Am. Geophys. Union; 54: No. 4, 488(1973).
CALIFORNIA;BOREHOLES;GEOTHERMAL EXPLORATION; DRILL CORES;CHEMICAL COMPOSITION;ISOTOPE RATIO; CALCITE;GROUND WATER;IMPERIAL VALLEY;OXYGEN ISOTOPES;GEOCHEMICAL SURVEYS

3180 HYDROTHERMAL ALTERATION OF MAIN PRODUCTIVE FORMATION OF THE STEAM FOR POWER AT MATSUKAWA, JAPAN. Sumi, K.; Maeda, K. pp 211-28 of Symposium on Hydrogeochemistry and Biogeochemistry, Volume 1, Hydrogeochemistry. Washington, DC; Clarke Co. (1973).
MATSUKAWA GEOTHERMAL FIELD;VOLCANIC ROCKS; HYDROTHERMAL ALTERATION;GEOCHEMISTRY;CHLORITE MINERALS;MONTMORILLONITE;ALUNITE;KAOLIN;CLAYS

3181 DIAGENETIC MINERALIZATION IN GEOTHERMAL BRINES. Divis, A.F.; McKenzie, J. Geol. Soc. Am., Bull.; 5: No. 1, 34(1973).
From 69. Annual Meeting Cordilleran Section; Imperial Valley, hydrothermal experiments.
CALIFORNIA;IMPERIAL VALLEY;BRINES;MINERALS; HYDROTHERMAL ALTERATION;ZEOLITES;SILICATES; CARBONATES;FELDSPARS;QUARTZ;CALCITE; MATHEMATICAL MODELS;MINERALIZATION;SIMULATION

3182 USE OF MINERALS OF VARIABLE COMPOSITION AS QUALITATIVE INDICATORS OF ELEMENT CONTENT IN HYDROTHERMAL SOLUTIONS. Chernyshev, L.V. Ezheg., Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR; 1972: 391-5(1973).
AQUEOUS SOLUTIONS;CHEMICAL COMPOSITION;SOLID SOLUTIONS;SALINITY;DEPOSITS;ORES;INDICATORS; THERMAL WATERS

3183 BACTERIAL ORIGIN OF SULFURIC ACID IN GEOTHERMAL HABITATS. Mosser J.L.; Mosser, A.G.; Brock, T.D. (Dep. Bacteriol., Univ. Wisconsin, Madison, WI). Science; 179: No. 4080, 1323-4(1973).
HOT SPRINGS;PH VALUE;SOLFATARAS;SOILS; BACTERIA;SULFUR;OXIDATION;SULFURIC ACID; ABUNDANCE

3184 CHEMICAL STUDY OF THE GEOTHERMAL FIELDS OF MEXICO. Molina Berbeyer, R.; Banwell, C.J. Union Geofiz. Mex., Reunion Anu., Programas y Resumenes; 63-4(1973).
Los Humeros, Ixtlan De Los Hervors, Los Negritos. GEOTHERMAL FIELDS;MEXICO;THERMAL WATERS;GEOCHEMICAL SURVEYS;CERRO PRIETO GEOTHERMAL FIELD;PATHE GEOTHERMAL FIELD

3185 HIGH CONTENT OF LITHIUM, RUBIDIUM, AND CESIUM IN WATERS OF THERMAL SPRINGS, DEPOSITS OF SPRINGS, AND BORAX DEPOSITS IN THE PUGA VALLEY, KASHMIR (INDIA). Choudhri, A.N.; Gandhi, V.K. (Cent. Chem. Lab., Geol. Serv. India, Calcutta). pp 523-30 of Mezhdunar. Geokhim. Kongr., (Dokl.), 1st 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow; Akad. Nauk SSSR, Geokhim. Anal. Khim. (1973).
LITHIUM;RUBIDIUM;CESIUM;THERMAL WATERS;HOT SPRINGS;ABUNDANCE;IGNEOUS ROCKS;CHLORIDES; GEOLOGIC DEPOSITS;CHEMICAL COMPOSITION;INDIA

3186 ISOTOPIC HYDROGEN, OXYGEN, CARBON, ARGON, AND HELIUM COMPOSITION OF THERMAL WATERS AND GASES OF THE KURILE--KAMCHATKA VOLCANIC REGION AS AN INDICATOR OF CONDITIONS OF THEIR FORMATION. Baskov, E.A.; Vetshtein, V.E.; Surikov, S.N.; Tolstikhin, I.N.; Malyuk, G.A.; Mishnina, T.A. (All-Union Sci. Res. Inst. Geol., Leningrad, USSR). Geokhimiya; No. 2, 180-9(1973).
ISOTOPE RATIO;THERMAL WATERS;GASES;USSR; VOLCANIC REGIONS;ORIGIN;OXYGEN ISOTOPES; HYDROGEN ISOTOPES;CARBON ISOTOPES;ARGON ISOTOPES;HELIUM ISOTOPES

3187 CHEMICAL COMPOSITION OF NATURAL THERMAL WATERS. Mahon, W.A.J. (Dep. Sci. Ind. Res., Petone, N.Z.). pp 196-210 of Proceedings of Symposium on Hydrogeochemistry and Biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
THERMAL WATERS;CHEMICAL COMPOSITION;NEW ZEALAND;LITHIUM;RUBIDIUM;CESIUM;FLUORINE;IODINE; BROMINE;ARSENIC;LEACHING

3188 SILICA IN THERMAL WATERS. LABORATORY AND FIELD INVESTIGATIONS. Fournier, R.O.

(US Geol. Surv., Menlo Park, CA). pp 122-39 of Proceedings of Symposium on Hydrogeochemistry and Biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
SILICON OXIDES;THERMAL WATERS;HOT SPRINGS; YELLOWSTONE NATIONAL PARK;CHEMICAL COMPOSITION; ABUNDANCE;REVIEWS;CHEMICAL ANALYSIS

3189 CHEMICAL ANALYSIS OF THERMAL WATERS IN YELLOWSTONE NATIONAL PARK, WYOMING, 1960--65. Rowe, J.J.; Fournier, R.O.; Morey, G.W. Geological Survey Bulletin 1303. Washington, DC; United States of America (USA); Geological Survey (1973). 34p. GPO $0.35.
THERMAL WATERS;YELLOWSTONE NATIONAL PARK; WYOMING;GEYSERS;HOT SPRINGS;CHEMICAL ANALYSIS; CHEMICAL COMPOSITION;PH VALUE;TEMPERATURE MEASUREMENT

3190 LITHIUM AS A PATHFINDER ELEMENT IN THE LARGE SCALE HYDROGEOCHEMICAL EXPLORATION FOR HYDROTHERMAL SYSTEMS. Brondi, M. (CNEN, Casaccia, Italy); Dall'Aglio, M.; Vitrani, F. Geothermics; 2: No. 3-4, 142-153(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
LITHIUM;GEOCHEMICAL SURVEYS;HYDROTHERMAL SYSTEMS;GROUND WATER;THERMAL WATERS;TRACE AMOUNTS;GEOCHEMISTRY;ABUNDANCE;CHEMICAL COMPOSITION

3191 INTERACTIONS BETWEEN THE STEAM RESERVOIR AND SURROUNDING AQUIFERS IN THE LARDERELLO GEOTHERMAL FIELD. Celati, R.; Noto, P.; Panichi, C.; Squarci, P.; Taffi, L. (Istituto Internazionale per le Ricerche Geotermiche, Pisa, Italy). Geothermics; 2: No. 3-4, 174-185(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM; AQUIFERS;ISOTOPE RATIO;GEOLOGY;OXYGEN 18; DEUTERIUM;TRITIUM;MIXING

3192 EMANATION OF SULFUR CONTAINING GASES FROM THERMAL SPRINGS AT BAKRESWAR AND SURAJ KUND. Mohan, S.; Chatterjee, S.D. (Indian Assoc. Cultiv. Sci., Calcutta, India). Sci. Cult.; 39: No. 5, 219-21(1973).
THERMAL WATERS;GASES;HOT SPRINGS;CHEMICAL ANALYSIS;SULFUR DIOXIDE;SULFURIC ACID;SAMPLING; ABUNDANCE

3193 AQUEOUS PHASE-GASEOUS PHASE MATERIAL BALANCE STUDIES OF ARGON AND NITROGEN IN HYDROTHERMAL FEATURES AT YELLOWSTONE NATIONAL PARK. Gunter, B.D. (Dep. Chem., Southwest. State Coll., Weatherford, OK). Geochim. Cosmochim. Acta; 37: No. 3, 495-513(1973).
YELLOWSTONE NATIONAL PARK;PHASE STUDIES; GASES;LIQUIDS;ARGON;NITROGEN;THERMAL WATERS;HOT SPRINGS;MATERIAL BALANCE;FLOW RATE;GEOCHEMISTRY

3194 HAMMAT GADER (ISRAEL). GEOCHEMISTRY OF A MIXED THERMAL SPRING COMPLEX. Mazor, E.; Kaufman, A.; Carmi, I. (Weizmann Inst. Sci., Rehovot, Israel). J. Hydrol.; 18: No. 3-4, 289-303(1973).
THERMAL WATERS;HOT SPRINGS;HELIUM 4;RADIUM 226;NITROGEN;NEON;ARGON;KRYPTON;XENON;MIXING; AGE ESTIMATION;RAIN WATER;GEOCHEMISTRY;CHEMICAL COMPOSITION;ISRAEL

3195 HYDROGEN AND OXYGEN ISOTOPIC RATIOS AND MAJOR ELEMENT CHEMISTRY OF JAPANESE THERMAL WATER SYSTEMS. Matsubaya, O.; Sakai, H.; Kusachi, I.; Satake, H. (Inst. Therm. Spring Res., Okayama Univ., Misasa, Japan). Geochem. J. (Nagoya); 7: No. 3, 123-51(1973).
THERMAL WATERS;ISOTOPE RATIO;HYDROGEN ISOTOPES;OXYGEN ISOTOPES;JAPAN;BRINES;ORIGIN; CHEMICAL COMPOSITION;SEAWATER;SODIUM CHLORIDES; CALCIUM CHLORIDES

3196 HYDROCHEMICAL SYSTEM AND LEVEL OF ORGANIC SUBSTANCES IN NITROGEN HOT SPRINGS OF THE LAKE BAIKAL REGION. Ganovicheva, G.M.; Pisarskii, B.I.; Shpeizer, G.M.; Bochkarev, P.F. (Irkutsk. Gos. Univ. im. Zhdanova, Irkutsk, USSR). Gidrokhim. Mater.; 59: 102-10(1973).
USSR;HOT SPRINGS;CHEMICAL COMPOSITION; NITROGEN;REVIEWS

3197 CHEMICAL COMPOSITION OF HOT SPRINGS IN JAPAN. Iwasaki, I.; Yamaya, K. (Tokyo Inst. Technol., Tokyo, Japan). pp 93-104 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
HOT SPRINGS;JAPAN;TABLES;DIAGRAMS;CHEMICAL COMPOSITION;THERMAL WATERS;REVIEWS

3198 CHEMICAL DIFFERENTIATION OF METALLIFEROUS HYDROTHERMAL WATERS OF UZON CALDERA IN THE AREA OF THEIR DISCHARGE. Naboko, S.I.; Pilipenko, G.F.; Glavatskikh, S.F. (Inst. Volcanol., USSR). pp 182-95 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
THERMAL WATERS;CHEMICAL COMPOSITION;SODIUM CHLORIDES;GASES;MINERALS;PRECIPITATION;USSR

3199 GENESIS OF ACID HOT SPRINGS. Ozawa, T.; Kamada, M.; Yoshida, M.; Sanemasa, I. (Tokyo Inst. Technol., Tokyo, Japan). pp 105-21 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
HOT SPRINGS;ORIGIN;PH VALUE;CHEMICAL ANALYSIS;SULFATES;FUMAROLIC FLUIDS;JAPAN; THERMAL WATERS

3200 GENESIS OF THERMAL WATERS IN THE SAYAN-BAIKAL HIGHLAND. Pinneker, E.V.; Lomonosov, I.S. (Inst. Earth's Crust, Irkutsk, USSR). pp 246-53 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
THERMAL WATERS;ORIGIN;USSR;CHEMICAL ANALYSIS; CARBONATES;SULFATES;CHLORIDES;NITROGEN

3201 GASEOUS HOMOLOGS OF METHANE IN SOME HYDROTHERMAL SYSTEMS ON KAMCHATKA. Beskrovnyi, N.S.; Kamenskii, I.L. (Vses. Neft. Nauchno-Issled. Geologorazved. Inst., Leningrad, USSR). Dokl. Akad. Nauk SSSR; 208: No. 1, 211-13(1973).
HYDROTHERMAL SYSTEMS;METHANE;GASES;ETHANE; PROPANE;BUTANE;HYDROCARBONS;USSR

3202 COEFFICIENTS AND EQUATIONS FOR THE HYDROGEOCHEMICAL CORRELATION OF SOME TRACE ELEMENTS OF NITROGEN-CONTAINING THERMAL WATERS. Pencheva, E.N. C. R. Acad. Bulg. Sci.; 26: No. 1, 93-6(1973).
TRACE AMOUNTS;NITROGEN;THERMAL WATERS; CORRELATIONS;EQUATIONS;CHEMICAL COMPOSITION

3203 THERMAL AND MINERAL WATERS OF

NONMETEORIC ORIGIN, CALIFORNIA COAST RANGES. White, D.E.; Barnes, I.; O'Neil, J.R. (Geological Survey, Menlo Park, Calif.). Geological Soc. of America Bull.; 84: No. 2, 547-559(Feb 1973).
CALIFORNIA;HOT SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION;STABLE ISOTOPES;ABUNDANCE; MINERALS

3204 ISOTOPIC COMPOSITION OF WATERS FROM THE DANAKIL DEPRESSION (ETHIOPIA). Gonfiantini, R.; Borsi, S.; Ferrara, G.; Panichi, C. (Univ. Pisa, Italy). Earth Planet. Sci. Lett.; 18: No. 1, 13-21(Feb 1973).
ETHIOPIA;CHEMICAL COMPOSITION;HOT SPRINGS; OXYGEN 16;ROCKS;ISOTOPE RATIO;THERMAL WATERS; OXYGEN ISOTOPES;ISOTOPIC EXCHANGE;GROUND WATER; LAKES

3205 MINERALOGY AND OXYGEN ISOTOPE GEOCHEMISTRY OF THE HYDROTHERMALLY ALTERED ROCKS OF THE OHAKI-BROADLANDS, NEW ZEALAND, GEOTHERMAL AREA. Eslinger, E.V.; Savin, S.M. (Case Western Reserve Univ., Cleveland, Ohio, USA). Am. J. Sci.; 273: 240-67(Mar 1973).
BROADLANDS GEOTHERMAL FIELD;MINERALS;OXYGEN ISOTOPES;GEOCHEMISTRY;HYDROTHERMAL ALTERATION; MINERALOGY;ISOTOPE RATIO;ROCKS

3206 MORE ON NOBLE GASES IN YELLOWSTONE NATIONAL PARK HOT WATERS. Nazor, E.; Fournier, R.O. (Israel Atomic Energy Commission, Rehovoth and Weizmann Inst. of Science, Rehovoth, Israel). Geochim. Cosmochim. Acta; 37: No. 3, 515-25(Mar 1973).
YELLOWSTONE NATIONAL PARK;THERMAL WATERS; GASES;ISOTOPE RATIO;ARGON;KRYPTON;XENON; ABUNDANCE;GEYSERS;CHEMICAL ANALYSIS

3207 *BACTERIAL ORIGIN OF SULFURIC ACID IN* GEOTHERMAL HABITATS. Mosser, J.L.; Mosser, A.G.; Brock, T.D. (Wisconsin Univ., Madison. Dept. of Bacteriology). Science; 179: No. 4080, 1323-4(30 Mar 1973).
SULFURIC ACID;BACTERIA;GEOTHERMAL SYSTEMS; HOT SPRINGS;SOILS;OXIDATION;WATER CHEMISTRY; SULFUR;THERMAL WATERS;SOLFATARAS

3208 CALCULATION OF AQUIFER CHEMISTRY IN HOT-WATER GEOTHERMAL SYSTEMS. Truesdell, A.H.; Singers, W. (Geological Survey, Menlo Park, CA). Journal of Research of the U.S. Geological Survey; 2: No. 3, 271-278(May-Jun 1973).
AQUIFERS;GEOCHEMISTRY;ENTHALPY;CHEMICAL COMPOSITION;SAMPLING;HOT SPRINGS;HOT-WATER SYSTEMS;COMPUTER CODES;THERMAL WATERS

3209 FLUORITE EQUILIBRIA IN THERMAL SPRINGS OF THE SNAKE RIVER BASIN, IDAHO. Roberson, C.E.; Schoen, R. (Menlo Park, CA). J. Res. U.S. Geol. Surv.; 1: No. 3, 367-70(May-Jun 1973).
HOT SPRINGS;IDAHO;THERMAL WATERS;EQUILIBRIUM; FLUORITE;CHEMICAL COMPOSITION;PRECIPITATION

3210 ON-LINE ANALYSIS AND MONITORING OF WATER FOR GEOTHERMAL POWER BY NEUTRON CAPTURE GAMMA RAYS USING ^{252}CF. Duffey, D. (Univ. of Maryland, College Park); Balagna, J.P.; Wiggins, P.F. Trans. Am. Nucl. Soc.; 16: 63-64(Jun 1973).
From 19. annual meeting of the American Nuclear Society; Chicago, Illinois, USA (10 Jun 1973).
SODIUM;CALCIUM;CHLORINE;CARBON;CALIFORNIUM 252;PROMPT GAMMA RADIATION;NUCLEAR REACTION ANALYSIS;NEUTRON REACTIONS;ON-LINE MEASUREMENT SYSTEMS;WATER;GEOTHERMAL ENERGY;THERMAL WATERS; MONITORING;CHEMICAL COMPOSITION

3211 OXYGEN-18 AND CARBON-13 CONTENTS OF THE SULFATES AND THE CARBONATES ASSOCIATED IN SOME OXIDIZING GEOTHERMAL ENVIRONMENTS. Cortecci, G. (Nuclear Geol. Lab., Univ. Pisa, Italy). Geothermics; 2: No. 2, 51-6(Jun 1973).
OXYGEN 18;CARBON 13;SULFATES;FUMAROLES; OXIDATION;CARBONATES;HYDROTHERMAL SYSTEMS; CHEMICAL COMPOSITION;ISOTOPE RATIO;FUMAROLIC FLUIDS;OXYGEN ISOTOPES;CARBON ISOTOPES; LIMESTONE;SULFURIC ACID

3212 HOT SPRING ''TATOPANI'', HIMALAYA. Watanuki, K.; Takano, B. (Dept. Chem., Coll. Gen. Education, Univ. Tokyo, Komaba, Tokyo). 23: No. 1, 35-8(Jun 1973).
HOT SPRINGS;SAMPLING;THERMAL WATERS;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS;SODIUM;POTASSIUM; CHLORIDES;CARBONATES;HYDROGEN COMPOUNDS;JAPAN

3213 CAUSES OF GEOGRAPHICAL DISTRIBUTION OF OXYGEN-18 AND DEUTERIUM IN THERMAL WATER OF THE SAYAN-BAYKAL MOUNTAINS. Vetshteyn, V.Ye.; Lomonosov, I.S.; Malyuk, G.A.; Pinneker, Ye.V. (Akad. Nauk URSR, Kiev. Inst. Fiz. Khim.). Izv. Akad. Nauk SSSR, Ser. Geofiz.; No. 5, 122-8(Sep-Oct 1973).
OXYGEN 18;DEUTERIUM;ISOTOPE RATIO;THERMAL WATERS;ORIGIN;USSR;GEOCHEMISTRY;OXYGEN ISOTOPES; HYDROGEN ISOTOPES;HOT SPRINGS

3214 EXPLORATION FOR GEOTHERMAL SYSTEMS IN THE IMPERIAL VALLEY AREA, CALIFORNIA, USING THE NA--K--CA TECHNIQUE. Coplen, T.B. (Univ. California, Riverside; American Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1213(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
GEOTHERMAL EXPLORATION;CALIFORNIA; GEOCHEMICAL SURVEYS;SODIUM;POTASSIUM;CALCIUM; QUANTITY RATIO;IMPERIAL VALLEY

3215 GEOCHEMICAL INDICATORS OF SUBSURFACE TEMPERATURE. PART I. BASIC ASSUMPTIONS. Fournier, R.O.; White, D.E.; Truesdell, A.H. J. Res. U.S. Geol. Surv.; 2: No. 3, 259-262(1974).
HOT SPRINGS;CHEMICAL COMPOSITION;ISOTOPE RATIO;GASES;THERMAL WATERS;TEMPERATURE MEASUREMENT;GEOCHEMICAL SURVEYS;GEOTHERMAL RESOURCES;FUMAROLES

3216 GEOCHEMICAL INDICATORS OF SUBSURFACE TEMPERATURE. PART II. ESTIMATION OF TEMPERATURE AND FRACTION OF HOT WATER MIXED WITH COLD WATER. Fournier, R.O.; Truesdell, A.H. J. Res. U.S. Geol. Surv.; 2: No. 3, 263-270(1974).
THERMAL WATERS;GROUND WATER;MIXTURES;HOT SPRINGS;TEMPERATURE MEASUREMENT;SILICON OXIDES; GEOCHEMICAL SURVEYS;ENTHALPY

3217 CALCULATION OF AQUIFER CHEMISTRY IN HOT-WATER GEOTHERMAL SYSTEMS. Truesdal, A.H.; Singers, W. J. Res. U.S. Geol. Surv.; 2: No. 3, 271-278(1974).
AQUIFERS;CHEMICAL PROPERTIES;ENTHALPY; THERMAL WATERS;TEMPERATURE MEASUREMENT;HOT-WATER SYSTEMS;GEOCHEMISTRY;HYDROTHERMAL SYSTEMS

3218 ISOTOPE COMPOSITION OF HELIUM IN

ULTRABASIC XENOLITHS FROM VOLCANIC ROCKS OF KAMCHATKA. Tolstikhin, I.N.; Mamyrin, B.A.; Khabarin, L.B.; Erlikh, E.N. (Inst. Precambrian Geology and Geochronology, Acad. Sci., Leningrad, USSR). Earth Planet. Sci. Lett.; 22: No. 1, 75-84(1974).
USSR;VOLCANIC ROCKS;CHEMICAL COMPOSITION; HELIUM ISOTOPES;ISOTOPE RATIO

3219 COMPARISON OF PAST AND PRESENT GEOTHERMAL WATERS, FROM A STUDY OF FLUID INCLUSIONS, BROADLANDS FIELD, NEW ZEALAND. Browne, P.R.L.; Roedder, E.; Wodzicki, A. EOS, Trans., Am. Geophys. Union; 55: No. 4, 456(1974).
BROADLANDS GEOTHERMAL FIELD;THERMAL WATERS; HYDROTHERMAL ALTERATION;CHEMICAL COMPOSITION; GEOCHEMISTRY;HYDROLOGY;INCLUSIONS;QUARTZ; SPHALERITES;HEAT FLOW;BOREHOLES;GEOTHERMOMETRY

3220 CURRENT MERCURY DEPOSITION AT NGAWHA SPRINGS, NEW ZEALAND. Davey, H.A.; Van Moort, J.C. Search; 5: No. 4, 154-6(1974).
NEW ZEALAND;HOT SPRINGS;THERMAL WATERS; MERCURY;GEOCHEMISTRY;HYDROTHERMAL SYSTEMS; CHEMICAL COMPOSITION;DEPOSITION;GEOCHEMISTRY; GEOLOGIC DEPOSITS

3221 SILICA AND FLUORIDE OVER THE TAG HYDROTHERMAL FIELD. Fanning, K.A.; Betzer, P.R.; Bolger, G.W.; Miller, G.R.; McGregor, B.A.; Rona, P.A. EOS, Trans., Am. Geophys. Union; 55: No. 4, 293(1974).
Trans-Atlantic geotraverse. ATLANTIC OCEAN; HYDROTHERMAL SYSTEMS;THERMAL WATERS;CHEMICAL COMPOSITION;SILICON OXIDES;FLUORIDES;SEAWATER; ABUNDANCE;GEOCHEMISTRY

3222 TAG HYDROTHERMAL FIELD. Scott, R.B.; Scott, M.R.; Swanson, S.B.; Rona, P.A.; McGregor, B.A. EOS, Trans., Am. Geophys. Union; 55: No. 4, 293(1974).
Trans-Atlantic geotraverse. ATLANTIC OCEAN; HYDROTHERMAL SYSTEMS;THERMAL WATERS;CHEMICAL COMPOSITION;MANGANESE;MANGANESE HYDROXIDES; MINERALS;GEOLOGIC DEPOSITS;ABUNDANCE

3223 ISOTOPIC COMPOSITION OF OXYGEN AND CARBON FROM CARBONATES OF THE DONETS BASIN. Panov, B.S.; Korchemagin, V.O.; Pilot, I. Dopov. Akad. Nauk Ukr. RSR, Ser. B; No. 3, 225-7(1974).
USSR;HYDROTHERMAL SYSTEMS;THERMAL WATERS; CHEMICAL COMPOSITION;CARBONATES;CARBON ISOTOPES; OXYGEN ISOTOPES;ISOTOPE RATIO;MINERALS; GEOCHEMISTRY;DOLOMITE

3224 EQUILIBRIUM AND OXIDATION POTENTIAL IN GEOTHERMAL WATERS AT BROADLANDS, NEW ZEALAND. Seward, T.M. (Chem. Div., Dep. Sci. Ind. Res., Petone, NZ). Am. J. Sci.; 274: No. 2, 190-2(1974).
Fe-S-H_2O system at 250°. BROADLANDS GEOTHERMAL FIELD;GEOTHERMAL FLUIDS;IRON SULFIDES;EQUILIBRIUM;OXIDATION;PH VALUE; CHEMICAL REACTION KINETICS;PHASE STUDIES

3225 Redkie shchelochi v termal'nykh vodakh vulkanicheskikh oblastei. (RARE ALKALI METALS IN THERMAL WATERS OF VOLCANIC REGIONS). Arsanova, G.I. Novosibirsk, USSR; Union of Soviet Socialist Republics (USSR); Izdatel'stvo Nauka Sibirskoe Otdelenie (1974). 111p.
GEOCHEMISTRY;HOT SPRINGS;THERMAL WATERS; VOLCANIC REGIONS;LITHIUM;RUBIDIUM;CESIUM;ORIGIN; MAGMATIC WATER;CHEMICAL COMPOSITION;USSR;ALKALI METALS;ABUNDANCE

3226 WATERS OF HOT SPRINGS NATIONAL PARK, ARKANSAS: THEIR ORIGIN, NATURE, AND MANAGEMENT. Bedinger, M.S.; Pearson, F.J., Jr.; Reed, J.E.; Sniegocki, R.T.; Stone, C.G. Little Rock, AR; United States of America (USA); Geol. Surv. (1974). 102p.
620c. HOT SPRINGS;ARKANSAS;THERMAL WATERS; CHEMICAL COMPOSITION;SILICON OXIDES;FLOW RATE; CHEMICAL ANALYSIS;RADIOCHEMICAL ANALYSIS; GEOLOGY;HYDROLOGY;GEOCHEMISTRY

3227 SULFUR ISOTOPIC VARIATIONS IN NATURE. 10. OXYGEN AND SULFUR ISOTOPE STUDY OF WAIRAKEI GEOTHERMAL WELL DISCHARGES. Kusakabe, M. (Inst. Nucl. Sci., DSIR, Lower Hutt, NZ). N. Z. J. Sci.; 17: No. 2, 183-91(1974).
SULFUR ISOTOPES;ISOTOPE RATIO;WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS;GEOTHERMAL FLUIDS;ENTHALPY;SULFATES;SULFIDES;OXYGEN;NEW ZEALAND

3228 CHEMICAL TYPES OF VOLCANIC WATERS. Naboko, S.I. (Inst. Vulkanol., Kamchatka, USSR). pp 8-14 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;CHEMICAL COMPOSITION;VOLCANIC REGIONS;SURFACE WATERS;MAGMATIC WATER

3229 RADON DISTRIBUTION IN THE CONTEMPORARY HYDROTHERMAL SYSTEMS OF KAMCHATKA. Sugrobov, V.M.; Chirkov, A.M. (Inst. Vulkanol., Kamchatka, USSR). pp 22-4 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
HYDROTHERMAL SYSTEMS;USSR;RADON;ABUNDANCE; CHEMICAL COMPOSITION

3230 THERMAL WATERS OF THE UZON CALDERA. Pilipenko, G.F. (Inst. Vulkanol., Kamchatka, USSR). pp 24-32 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;USSR;CHEMICAL COMPOSITION; ZONES;DISTRIBUTION;SODIUM CHLORIDES;SODIUM CARBONATES;SODIUM SULFATES;CALCIUM SULFATES; MAGNESIUM SULFATES;CALCIUM CARBONATES;PH VALUE

3231 METAL CONTENT IN THERMAL WATERS IN REGIONS OF ACTIVE VOLCANISM. Goleva, G.A. (Vses. Nauchno-Issled. Inst. Gidrogeol. Inzh. Geol., Moscow, USSR). pp 77-81 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;VOLCANIC REGIONS;ENTHALPY; METALS;ABUNDANCE;CHEMICAL COMPOSITION

3232 ZINC AND LEAD IN GASES AND WATERS OF EBEKO VOLCANO AND THE PAUZHETKA DEPOSIT. Menyailov, I.A.; Nikitina, L.P. (Inst. Vulkanol., Kamchatka, USSR). pp 103-10 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
VOLCANOES;FUMAROLIC FLUIDS;LEAD;ZINC;THERMAL WATERS;GROUND WATER;CHEMICAL COMPOSITION;USSR; ABUNDANCE

3233 FIRST DATA ON THE ISOTOPIC COMPOSITION OF SULFUR IN UZON THERMAL WATERS. Naboko,

S.I.; Pilipenko, G.F.; Vinogradov, V.I. (Inst. Vulkanol., Kamchatka, USSR). pp 189-91 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;ISOTOPE RATIO;SULFUR 34; HYDROTHERMAL SYSTEMS;USSR;PYRITE;METEORIC WATER; SULFUR ISOTOPES

3234 TIN IN THERMAL WATER OF THE MENDELEEV VOLCANO AREA (KURILE ISLANDS). Dunichev, V.M. pp 64-6 of Geol. Miner.-Syr'evye Resur. Sakhaline Kuril'skikh Ostrovov. Tyutrin, I.I. (ed.). Yuzhno-Sakhalinsk, USSR; Sakhalin. Otd. Dal'nevost. Kn. Izd. (1974).
TIN;THERMAL WATERS;VOLCANIC REGIONS;HOT SPRINGS;SOLFATARAS;IRON;BORON OXIDES; MINERALIZATION;ABUNDANCE;USSR;CHEMICAL COMPOSITION;PH VALUE

3235 CONDENSATES OF FUMAROLE GASES AND THEIR COMPOSITION ON VOLCANOES OF DIFFERENT TYPES. Serafimova, E.K. (Inst. Vulkanol., Kamchatka, USSR). pp 57-62 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
VOLCANOES;FUMAROLES;FUMAROLIC FLUIDS;LAVA; CHEMICAL COMPOSITION;GASES;AIR;WATER VAPOR; BASALT;ANDESITES

3236 ALEKHINO SPRINGS ON KUNASHIR ISLAND AS AN EXAMPLE OF THE FORMATION OF ALKALINE THERMAL WATERS BY NEUTRALIZATION OF PRIMARY ACID SOLUTIONS. Zotov, A.V.; Tkachenko, R.I. (Inst. Geol. Rudn. Mestorozhd., Petrogr., Mineral. Geokhim., Moscow, USSR). pp 52-7 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
HOT SPRINGS;SODIUM;CALCIUM;CARBON DIOXIDE; NITROGEN;SULFUR COMPOUNDS;PH VALUE

3237 CHLORINE, FLUORINE, AND SULFUR DIOXIDE IN CENTRAL AMERICAN VOLCANIC GASES. Stoiber, R.E.; Rose, W.I., Jr. (Dartmouth Coll., Hanover, NH). Bull. Volcanol.; 37: No. 3, 454-60(1974).
CENTRAL AMERICA;FUMAROLIC FLUIDS;VOLCANOES; CHLORINE;FLUORINE;SULFUR DIOXIDE;CHEMICAL COMPOSITION;ABUNDANCE;GUATEMALA

3238 GEOCHEMISTRY APPLIED TO THE DISCOVERY, EVALUATION, AND EXPLOITATION OF GEOTHERMAL ENERGY RESOURCES. White, D.E. (Geol. Surv., Menlo Park, CA). pp 58-80 of Proceedings of the UN Symposium on the Development and Utilization of Geothermal Resources, 22 Sep--1 Oct 1970, Pisa, Italy (Geothermics, Special Issue No. 2, Volume 1). Inst. Internazionale per le Recerche Geotermiche (1974).
From UN Symposium on the Development and Utilization of Geothermal Resources; Pisa, Italy (22 Sep-1 Oct 1970).
GEOCHEMISTRY;GEOTHERMAL RESOURCES;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;METEORIC WATER; CHEMICAL COMPOSITION;GEOCHEMICAL SURVEYS; GEOTHERMAL EXPLORATION

3239 ISOTOPIC COMPOSITION OF CARBON OF KAMCHATKA HYDROTHERMAL GASES. Beskrovnyi, N.S.; Lobkov, V.A. (Vses. Neft. Nauchno-Issled. Geologorazved. Inst., Leningrad, USSR). Dokl. Akad. Nauk SSSR; 217: No. 3, 689-92(1974).
GASES;VOLCANOES;FUMAROLIC FLUIDS;CARBON ISOTOPES;CARBON DIOXIDE;METHANE;ISOTOPE RATIO; USSR;ETHANE;PROPANE

3240 USE OF MERCURY IN GEOCHEMICAL PROSPECTING IN NEW ZEALAND. Weissberg, B.G. (Chem. Div., DSIR, Petone, N.Z.). N. Z. J. Geol. Geophys.; 17: No. 4, 731-45(1974).
MERCURY;GEOCHEMICAL SURVEYS;NEW ZEALAND; ROCKS;SOILS;SEDIMENTS

3241 ISOTOPIC AND CHEMICAL COMPOSITIONS OF VOLCANIC GASES FROM SATSUMA-IWOJIMA, JAPAN. Matsuo, S.; Suzuoki, T.; Kusakabe, M.; Wada, H.; Suzuki, M. (Dep. Chem., Tokyo Inst., Technol., Tokyo, Japan). Geochem. J. (Nagoya); 8: No. 4, 165-73(1974).
FUMAROLIC FLUIDS;VOLCANOES;HOT SPRINGS; ISOTOPE RATIO;CHEMICAL COMPOSITION;JAPAN;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;ANDESITES;SURFACE WATERS;THERMAL WATERS;MIXING

3242 YUSUNG THERMAL SPRING. Lee, J.W.; Nahm, G.Y. (Geol. Miner. Inst. Korea, Seoul, S. Korea). Chijil Kwangmul Chosa Yongu Pokoso; 2: No. 1, 1-14(1974).
THERMAL WATERS;CHEMICAL ANALYSIS;CHEMICAL COMPOSITION;PH VALUE;MEDIUM TEMPERATURE; REPUBLIC OF KOREA;HOT SPRINGS;GEOCHEMISTRY

3243 ONYANG THERMAL SPRING. Kim, H.C. (Geol. Miner. Inst. Korea, Seoul, S. Korea). Chijil Kwangmul Chosa Yongu Pokoso; 2: No. 1, 19-29(1974).
THERMAL WATERS;HOT SPRINGS;MEDIUM TEMPERATURE;CHEMICAL ANALYSIS;CHEMICAL COMPOSITION;REPUBLIC OF KOREA;GEOCHEMISTRY

3244 HYDROCARBONS AND METALS IN THE GASES OF THE UZON STEAM AND HYDROTHERMAL WATERS. Menyailov, I.A. pp 133-5 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; 'Nauka' Sib. Otd. (1974).
HYDROTHERMAL SYSTEMS;NATURAL STEAM;THERMAL WATERS;CARBON DIOXIDE;HYDROGEN;NITROGEN; HYDROGEN SULFIDES;METHANE;HYDROCARBONS;METALS; CHEMICAL COMPOSITION;USSR

3245 OXYGEN AND HYDROGEN ISOTOPE STUDIES OF THE LARDERELLO (ITALY) GEOTHERMAL SYSTEM. Panichi, C.; Celati, R.; Noto, P.; Squarci, P.; Taffi, L.; Tongiorgi, E. (CNR, Pisa, Italy). pp 3-28 of Isotope techniques in groundwater hydrology. Vol. II. Vienna; International Atomic Energy Agency (1974).
From Symposium on isotope techniques in groundwater hydrology; Vienna, Austria (11 Mar 1974).
LARDERELLO GEOTHERMAL FIELD;HOT SPRINGS; THERMAL WATERS;CHEMICAL COMPOSITION;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;ISOTOPE RATIO; HYDROLOGY

3246 HOT SPRINGS OF THE IGNEOUS TERRAIN OF SWAZILAND. THEIR NOBLE GASES, HYDROGEN, OXYGEN, AND CARBON ISOTOPES AND DISSOLVED IONS. Mazor, E. (Univ. of Witwatersrand, Johannesburg); Verhagen, B.T.; Negreanu, E. pp 29-47 of Isotope techniques in groundwater hydrology. Vol. II. Vienna; International Atomic Energy Agency (1974).
From Symposium on isotope techniques in groundwater hydrology; Vienna, Austria (11 Mar 1974).
SOUTH AFRICA;HOT SPRINGS;IGNEOUS ROCKS; THERMAL WATERS;CHEMICAL COMPOSITION;OXYGEN ISOTOPES;HYDROGEN ISOTOPES;ISOTOPE RATIO;ORIGIN; RAIN;GROUND WATER;RARE GASES;CARBON 14;ISOTOPE DATING

3247 THERMAL SPRING OF HYPATI, CENTRAL GREECE. HYDROGEOLOGICAL, HYDRODYNAMIC, GEOCHEMICAL, AND GEOTECHNICAL STUDY OF THE SPRING AND ITS REGION. Marinos, P.G.; Frangopoulos, J.A.; Stournaras, G.K. Ann. Geol. Pays Hell. 1973; No. 25, 105-214(1974).
THERMAL SPRINGS;GREECE;CHEMICAL COMPOSITION; THERMAL WATERS;SODIUM CHLORIDES;SODIUM CARBONATES;CALCIUM CARBONATES;CALCIUM CHLORIDES

3248 BEREZOVAYA ACRATIC HOT SPRINGS. Emel'yanov, G.N. Ezheg., Inst. Geol. Geokhim., Akad. Nauk SSSR, Ural. Nauchn. Tsentr; 1973: 63-5(1974).
HOT SPRINGS;THERMAL WATERS;GASES;CHLORINE; SULFATES;CALCIUM;CARBON DIOXIDE;HELIUM;ORIGIN; USSR;CHEMICAL COMPOSITION

3249 IMPERIAL VALLEY INVESTIGATIONS: UTILIZATION OF THE SODIUM--POTASSIUM--CALCIUM GEOTHERMAL EXPLORATION TECHNIQUE IN THE IMPERIAL VALLEY AREA, CALIFORNIA. Coplen, T.B. (Univ. of California, Riverside). Geotherm. Energy Mag.; 2: No. 2, 32-34(Feb 1974).
Fournier and Truesdell technique. POTASSIUM; CALCIUM;SODIUM;GEOTHERMAL RESOURCES;GEOCHEMICAL SURVEYS;IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; CALIFORNIA;CHEMICAL ANALYSIS;SURFACE WATERS; ECONOMICS;GEOCHEMISTRY;THERMOMETERS;TEMPERATURE MEASUREMENT

3250 APPLICATION OF THE NA--K--CA GEOTHERMOMETER TO THERMAL AREAS OF UTAH AND THE IMPERIAL VALLEY, CALIFORNIA. Swanberg, C.A. (US Bur. Reclamation, Boulder City, Nevada). Geothermics; 3: No. 2, 53-9(Jun 1974).
SODIUM;POTASSIUM;CALCIUM;IMPERIAL VALLEY; UTAH;HOT SPRINGS;GEOCHEMICAL SURVEYS;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;CALIFORNIA; QUANTITY RATIO;GEOTHERMOMETRY

3251 OXYGEN ISOTOPIC RATIOS OF SULFATE IONS-WATER PAIRS AS A POSSIBLE GEOTHERMOMETER. Cortecci, G. (Lab. di Geologia Nucleare, Universita di Pisa, Italy). Geothermics; 3: No. 2, 60-4(Jun 1974).
OXYGEN 18;ISOTOPE RATIO;SULFATES;WATER; THERMAL WATERS;OXYGEN 16;GEOCHEMICAL SURVEYS; LARDERELLO GEOTHERMAL FIELD;GEOTHERMOMETRY; OXYGEN ISOTOPES;ITALY

3252 TEMPERATURE AND CHEMICAL DATA FOR SELECTED THERMAL WELLS AND SPRINGS IN SOUTHEASTERN CALIFORNIA. Moyle, W.R., Jr. Water-Resources Investigations 33-73. Menlo Park, CA; United States of America (USA); Geol. Surv. (Jun 1974). 12p.
95 thermal wells or springs, 38° to 280°C. THERMAL WATERS;HOT SPRINGS;CALIFORNIA;HYDROLOGY; TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION

3253 ISOTOPIC GEOCHEMISTRY OF THE THERMAL WATERS OF JAPAN AND ITS BEARING ON THE KUROKO ORE SOLUTIONS. Sakai, H.; Matsubaya, O. Econ. Geol.; 69: No. 6, 974-91(Sep-Oct 1974).
JAPAN;THERMAL WATERS;GEOCHEMISTRY;OXYGEN 18; DEUTERIUM;VOLCANIC REGIONS;SODIUM COMPOUNDS; CALCIUM COMPOUNDS;CHLORIDES;SULFATES;MAGNESIUM COMPOUNDS;BRINES;ORIGIN;SEAWATER;METEORIC WATER; CONNATE WATER;ORES;GEOLOGIC DEPOSITS;ISOTOPE RATIO;OXYGEN ISOTOPES

3254 TRACE ELEMENT CONTENT OF THE REYKJANES AND SVARTSENGI THERMAL BRINES, ICELAND. Mottl, M.J.; Corr, R.F.; Holland, H.D. (Harvard Univ., Cambridge, MA). pp 1206 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
Depth, temperature, and chemical concentration data. ICELAND;THERMAL WATERS; BRINES;GEOTHERMAL FIELDS;SEAWATER;CHEMICAL ANALYSIS;BASALT;HYDROTHERMAL ALTERATION; CHEMICAL COMPOSITION;BOREHOLES;HOT SPRINGS; EMISSION SPECTROSCOPY;SPECTROPHOTOMETRY

3255 OXYGEN ISOTOPIC COMPOSITION OF FISSURE-GROWN QUARTZ, ADULARIA, AND CALCITE FROM BROADLANDS GEOTHERMAL FIELD, NEW ZEALAND WITH AN APPENDIX ON QUARTZ--POTASSIUM FELDSPAR--CALCITE--MUSCOVITE OXYGEN ISOTOPE GEOTHERMOMETERS. Blattner, P. (New Zealand Geol. Surv., Lower Hutt, NZ). Am. J. Sci.; 275: No. 7, 785-800(1975).
BROADLANDS GEOTHERMAL FIELD;QUARTZ;CALCITE; FELDSPARS;MUSCOVITE;ISOTOPE RATIO;OXYGEN ISOTOPES;GEOTHERMOMETRY;NEW ZEALAND;HYDROLOGY; HIGH TEMPERATURE;GEOTHERMOMETERS;GEOCHEMICAL SURVEYS

3256 ISOTOPIC COMPOSITION OF ARGON IN THERMAL SPRINGS IN ICELAND. Smelov, S.B.; Vinogradov, V.I.; Kononov, V.I.; Polyak, B.G. (Geol. Inst., Moscow, USSR). Dokl. Akad. Nauk SSSR; 222: No. 2, 429-32(1975).
THERMAL SPRINGS;ISOTOPE RATIO;ARGON ISOTOPES; ICELAND;MASS SPECTROSCOPY;ARGON 43;ARGON 36; THERMAL WATERS

3257 GEOCHEMICAL EXPLORATION METHOD. Pogorski, L.A. US Patent 3,862,576. 28 Jan 1975. Filed date 22 May 1972. 9p.
GEOCHEMICAL SURVEYS;EXPLORATION;GASES;HELIUM; UNDERGROUND;SAMPLING;SOILS

3258 SULPHUR ISOTOPIC VARIATIONS IN NATURE. 11. SULPHUR ISOTOPE RATIOS OF SULPHIDES FROM THE BROADLANDS GEOTHERMAL FIELD, NEW ZEALAND. Browne, P.R.L. (N.Z. Geol. Surv.); Rafter, T.A.; Robinson, B.W. (Inst. of Nuclear Sciences, Dept. Sci. Ind. Res., Lower Hutt, NZ). N. Z. J. Sci.; 18: No. 1, 35-40(Mar 1975).
SULFUR ISOTOPES;ISOTOPE RATIO;SULFIDES; BROADLANDS GEOTHERMAL FIELD;NEW ZEALAND;SULFUR 34;PYRITE;SPHALERITE;IRON METEORITES;GALENA; GEOCHEMISTRY;GEOTHERMOMETRY

3259 GEOTHERMAL INVESTIGATIONS IN IDAHO. PART 3. EVALUATION OF THERMAL WATER IN THE WEISER AREA, IDAHO. Young, H.W.; Whitehead, R.L. Water Information Bull. No. 30. Boise, ID; United States of America (USA); Geol. Surv., Idaho Dept. of Water Resources (May 1975). 35p.
IDAHO;THERMAL WATERS;VOLCANIC ROCKS; SEDIMENTARY ROCKS;BASALT;SODIUM CHLORIDES; SODIUM SULFATES;TEMPERATURE MEASUREMENT; GEOTHERMAL EXPLORATION;HOT SPRINGS;CHEMICAL COMPOSITION;GEOTHERMOMETRY

3260 FLUCTUATIONS OF THE GAS COMPOSITION FROM THE LAVA POND ON ERTA' ALE VOLCANO (ETHIOPIA). Le Guern, F.; Giggenbach, W.; Tazieff, H.; Zettwoog, P. C. R. Hebd. Seances Acad. Sci., Ser. D; 280: No. 17, 1959-62(5 May 1975). (In French).
Collecting system using four piston pumps. GASES;CHEMICAL COMPOSITION;LAVA;VOLCANOES; ETHIOPIA;SAMPLING;SULFUR;CARBON;FUMAROLIC FLUIDS;VERY HIGH TEMPERATURE

3261 SILICA IN HOT-SPRING WATERS IN PYRENNES, MASSIF CENTRAL AND VOSGES. Schoeller, M. C. R. Hebd. Seances Acad. Sci., Ser. D; 280: No. 24, 2733-5(23 Jun 1975). (In French).
SILICON OXIDES;THERMAL WATERS;HOT SPRINGS; ROCKS;CHEMICAL COMPOSITION;ABUNDANCE;COOLING; FRANCE

3262 MINOR AND TRACE ELEMENTS, GAS, AND ISOTOPE COMPOSITIONS OF THE PRINCIPAL HOT SPRINGS OF NEVADA AND OREGON. Mariner, R.H.; Presser, T.S.; Rapp, J.B.; Willey, L.M. Open-file report. Menlo Park, CA; United States of America (USA); Geological Survey (Aug 1975). 27p.
HOT SPRINGS;NEVADA;OREGON;THERMAL WATERS; GASES;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS; SAMPLING;GEOCHEMICAL SURVEYS;TRACE AMOUNTS; ELEMENTS

3263 INCREASED HEAT EMISSION FROM MOUNT BAKER, WASHINGTON. Malone, S.D.; Frank, D. EOS, Trans., Am. Geophys. Union; 56: No. 10, 679-85(Oct 1975).
WASHINGTON;FUMAROLES;GEOLOGY;HEAT;FUMAROLIC FLUIDS;GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT

3264 WATER FROM A HOT SPRING, FIJI ISLANDS. Liversidge, A. Chem. News; 42: 324-325(1880).
FIJI;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

3265 OCCURRENCE OF SULPHUR, ORPIMENT, AND REALGAR IN THE YELLOWSTONE NATIONAL PARK. Weed, W.H.; Pirsson, L.V. Am. J. Sci.; 42, Ser. 3: 401-5(1891).
YELLOWSTONE NATIONAL PARK;HOT SPRINGS; FUMAROLES;SOLFATARAS;CHEMICAL COMPOSITION; SULFUR;MINERALS;ARSENIC SULFIDES;GEOLOGIC DEPOSITS;THERMAL WATERS;FUMAROLIC FLUIDS

3266 REPORT ON WORK DONE IN THE DIVISION OF CHEMISTRY DURING THE FISCAL YEARS 1891-92 AND 1892-93. Clarke, F.W. US Geological Survey Bulletin 113. Washington, DC; United States of America (USA); US Geol. Surv. (1893). 115p.
Chemical analysis of water from Ojo Caliente Spring, Taos County, N.Mex.. NEW MEXICO;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

3267 COMPOSITION AND PROPERTIES OF THE MINERAL WATERS OF AUSTRALASIA. Liversidge, A.; Skey, W.; Gray, G. pp 87-108 of Australasian Association of Advanced Science, 7th Meeting, Sydney, Report. Sydney; Australiasian Assoc. Adv. Sci. (1898).
NEW ZEALAND;MINERAL SPRINGS;THERMAL WATERS; CHEMICAL COMPOSITION

Exploratory Drilling and Well Logging

Refer also to citation(s) 329, 610, 621, 631, 999, 1244, 1602, 1621, 1921, 1984, 2124, 2213, 2237, 2312, 2492, 2561, 2602, 2914, 3969, 3987, 3994, 4134, 4204

3268 (AD--774108) ULTRA-DEEP DRILLING FOR GEOTHERMALS. FINAL REPORT. Patterson, S.C.; Sables, B.E.; Kooharian, A. (Tetra Tech Inc., Arlington, VA). Dec 1973. Contract NOD-9925. 144p. (TETRAT-A--74-339-005). NTIS $4.75; $1.45 (mf).
GEOTHERMAL WELLS;WELL DRILLING;POWER POTENTIAL;HOT-DRY-ROCK SYSTEMS;GEOTHERMAL GRADIENTS;ECONOMICS;ENERGY SOURCES

3269 (EIS-CA--73-0188-F) PROPOSED DEEP GEOTHERMAL TEST WELL, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. (SUPPLEMENT TO THE FINAL ENVIRONMENTAL IMPACT STATEMENT). (Bureau of Reclamation, Boulder City, NV). Feb 1973. 10p. (EIR--0188; FES--72-9). NTIS $3.00; $0.95 (mf).
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; BOREHOLES;ENVIRONMENTAL IMPACT STATEMENTS; GEOTHERMAL WELLS;PLANNING;TEMPERATURE MEASUREMENT;LAND USE;WELL DRILLING

3270 (IDO--10062) RAFT RIVER GEOTHERMAL EXPLORATORY HOLE NO. 1 (RRGE-1). COMPLETION REPORT. (Reynolds Electrical and Engineering Co., Inc., Las Vegas, Nev. (USA)). Oct 1975. Contract E(26-1)-410. 45p. (NVO--410-30). Dep. NTIS $4.00.
GEOTHERMAL EXPLORATION;IDAHO;GEOTHERMAL WELLS;BOREHOLES;EQUIPMENT;WELL LOGGING;WELL DRILLING;WELL CASINGS;GEOLOGICAL SURVEYS

3271 (LA--5780-MS) GEOLOGY OF GEOTHERMAL TEST HOLE GT-2 FENTON HILL SITE, JULY 1974. Purtymun, W.D.; West, F.G.; Pettitt, R.A. (Los Alamos Scientific Lab., N.Mex. (USA)). Oct 1974. Contract W-7405-eng-36. 17p. Dep. NTIS $4.00.
LASL;NEW MEXICO;GEOTHERMAL EXPLORATION; BOREHOLES;WELL LOGGING;DRILLING;HYDROLOGY; GEOLOGY;STRATIGRAPHY;VOLCANIC ROCKS;SEDIMENTARY ROCKS;GRANITES;HOT-DRY-ROCK SYSTEMS;GEOLOGICAL SURVEYS

3272 (LA--5819-PR) PLANNING, DRILLING, AND LOGGING OF GEOTHERMAL TEST HOLE GT-2, PHASE I. Pettitt, R.A. (Los Alamos Scientific Lab., N.Mex. (USA)). Jan 1975. Contract W-7405-eng-36. 42p. Dep. NTIS $4.00.
NEW MEXICO;GEOTHERMAL EXPLORATION;HOT-DRY-ROCK SYSTEMS;BOREHOLES;WELL LOGGING;DRILLING; SPECIFICATIONS;GEOLOGICAL SURVEYS;HEAT FLOW; FRACTURES;ROCK DRILLING;LASL

3273 (LA--5897-PR) TESTING, DRILLING, AND LOGGING OF GEOTHERMAL TEST HOLE GT-2, PHASE II. Pettitt, R.A. (Los Alamos Scientific Lab., N.Mex. (USA)). Feb 1975. Contract W-7405-eng-36. 21p. Dep. NTIS $4.00.
BOREHOLES;GEOTHERMAL EXPLORATION;JEMEZ MOUNTAINS;HOT-DRY-ROCK SYSTEMS;DRILLING; PERMEABILITY;HYDRAULIC FRACTURING;WELL LOGGING; TESTING;GEOPHYSICAL SURVEYS;ROCKS;EQUIPMENT;NEW MEXICO;WELL DRILLING

3274 (LA--6112-MS) GEOPHYSICAL LOGGING IN LOS ALAMOS SCIENTIFIC LABORATORY GEOTHERMAL TEST HOLE NO. 2. West, F.G.; Kintzinger, P.R.; Laughlin, A.W. (Los Alamos Scientific Lab., N.Mex. (USA)). Nov 1975. Contract W-7405-ENG-36. 13p. Dep. NTIS $4.50.
WELL LOGGING;BOREHOLES;HOT-DRY-ROCK SYSTEMS; VOLCANIC ROCKS;SEDIMENTARY ROCKS;GEOPHYSICAL SURVEYS;GEOTHERMAL GRADIENTS;NEW MEXICO; GEOTHERMAL EXPLORATION;ROCK DRILLING

3275 (NSF/RA/N--74-159, pp 213-224) MARYSVILLE, MONTANA GEOTHERMAL PROJECT. McSpadden, W.R. (Battelle-Northwest, Richland, WA); Stewart, D.H.; Kuwada, J.T. 31

Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
MONTANA;RESEARCH PROGRAMS;HOT-DRY-ROCK SYSTEMS;WELL DRILLING;WELL LOGGING;TEMPERATURE MEASUREMENT;AQUIFERS;FLOW RATE;ZONES; GEOCHEMICAL SURVEYS;GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS;BOREHOLES

3276 (PB--206161D) DEEP GEOTHERMAL TEST WELL, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CA. (DRAFT ENVIRONMENTAL IMPACT STATEMENT). (Bureau of Reclamation, Boulder City, NV). Jan 1972. 19p. NTIS $3.00; $0.95 (mf).
GEOTHERMAL WELLS;IMPERIAL VALLEY;BOREHOLES; CALIFORNIA;DRILLING;ENVIRONMENTAL EFFECTS; GEOTHERMAL EXPLORATION

3277 (PB--206161-D) PROPOSED DEEP GEOTHERMAL TEST WELL, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. (DRAFT ENVIRONMENTAL IMPACT STATEMENT). (Bureau of Reclamation, Boulder City, NV). 31 Jan 1972. 19p. (ELR--1754; DES--72-18). NTIS $3.00.
IMPERIAL VALLEY;GEOTHERMAL EXPLORATION; BOREHOLES;DRILLING;ENVIRONMENTAL IMPACT STATEMENTS;GEOTHERMAL RESOURCES;EXPLOITATION; POWER GENERATION;DESALINATION;BRINES;LAND USE; GEOTHERMAL WELLS;PLANNING;WELL DRILLING

3278 (PB--206161-F) PROPOSED DEEP GEOTHERMAL TEST WELL, GEOTHERMAL RESOURCES INVESTIGATIONS, IMPERIAL VALLEY, CA (FINAL ENVIRONMENTAL IMPACT STATEMENT). Apr 1972. 82p. NTIS $3.00.
Potential well depth 4000-8000 ft. DRILLING; GEOTHERMAL WELLS;IMPERIAL VALLEY;CALIFORNIA; NATURAL STEAM;BRINES;ENVIRONMENTAL EFFECTS; GEOTHERMAL EXPLORATION

3279 (PB--232152) DEFORMATION MODULI OF WATER-BEARING FORMATIONS AT ELEVATED TEMPERATURES. TECHNICAL COMPLETION REPORT. Somerton, W.H. (California Univ., Berkeley (USA)). Jan 1974. 73p. NTIS $3.75.
SANDSTONES;SILT;DRILL CORES;IMPERIAL VALLEY; THERMAL CONDUCTIVITY;SOUND WAVES;PHYSICAL PROPERTIES;COMPRESSIBILITY;VELOCITY;AQUIFERS

3280 (PB--237111) DRILLING AT THE SUMMIT OF KILAUEA VOLCANO. Keller, G.V. (Colorado School of Mines, Golden (USA)). 15 Mar 1974. 45p. (NSF/RA/N--74-042). NTIS $4.25.
GEOTHERMAL ENERGY;VOLCANOES;DRILLING;HAWAII; BASALT;BOREHOLES;GEOTHERMAL EXPLORATION

3281 (PB--237111) DRILLING AT THE SUMMIT OF KILAUEA VOLCANO. Keller, G.V. (Colorado School of Mines, Golden (USA)). 15 Mar 1974. 51p. (NSF/RA/N--74-042). NTIS $4.25; $2.25 (mf).
HAWAII;VOLCANOES;GEOTHERMAL EXPLORATION; BOREHOLES;WELL DRILLING

3282 PRELIMINARY LIST OF DEEP BORINGS IN THE UNITED STATES. Darton, N.H. US Geological Survey, Water Supply Papers 57, 61. Washington, DC; United States of America (USA); US Geol. Surv. (1902).
USA;BOREHOLES;FLUID FLOW;WATER

3283 TEMPERATURE IN WORLD'S DEEPEST WELLS. Van Ostrand, C.E. Oil Gas J.; 26: No. 48, 39p.(1928).
BOREHOLES;TEMPERATURE MEASUREMENT;CALIFORNIA; TEXAS;OKLAHOMA;WYOMING

3284 GUIDE TO DEEP-DRILLING TECHNIQUE. Stein, P. Berlin; Julius Springer (1932). 52p.
DRILLING;DEPTH;GEOTHERMAL EXPLORATION; GEOTHERMAL WELLS

3285 RESULTS OF WELL TEMPERATURE TESTS IN WYOMING. Taylor, B. Petrol. Engr.; 3: No. 8, 64(1932).
WYOMING;BOREHOLES;TEMPERATURE MEASUREMENT; TEMPERATURE DISTRIBUTION;MEASURING INSTRUMENTS

3286 GEOTHERMIC MEASUREMENTS IN WELLS. Chahnazaroff, D. Petrol. Minas; 13: No. 141, 5-7(1933).
BOREHOLES;TEMPERATURE DISTRIBUTION; TEMPERATURE MEASUREMENT;THERMOMETERS; SPECIFICATIONS;PERFORMANCE;ACCURACY

3287 APPLICATION OF ELECTRICAL METHODS FOR BORE-HOLE INVESTIGATIONS. Barbey, O. Bohrtech. Zeitung; 55: No. 3, 57-8(1937).
BOREHOLES;ELECTRICAL EQUIPMENT;ELECTRICAL SURVEYS;PERFORMANCE

3288 TEMPERATURE GRADIENT IN THE WORLD'S DEEPEST WELL. Bell, A.H. Min. Met. (New York); 19: No. 381, 410(1938).
BOREHOLES;GEOPHYSICAL SURVEYS;TEMPERATURE GRADIENTS;TEMPERATURE MEASUREMENT;ACCURACY; CALIFORNIA

3289 THERMAL CORING OF WELLS. Diakonov, D.J. Neft. Khoz.; 19: No. 6, 5-9(1938).
BOREHOLES;ELECTRICAL SURVEYS;TEMPERATURE MEASUREMENT;ROCKS;THERMAL CONDUCTIVITY; TEMPERATURE DISTRIBUTION

3290 NEW MILE POST IN DEEP DRILLING. McMasters, J.H. Petrol. World; 38: No. 8, 39-46(1941).
San Joaquin Valley. CALIFORNIA;GEOTHERMAL FIELDS;BOREHOLES;DRILLING;WELL LOGGING;GEOLOGIC DEPOSITS;GEOTHERMAL FLUIDS;GEOLOGY;GEOLOGICAL SURVEYS

3291 ELECTRICAL LOGGING. Bowsky, M.C. Mines Mag.; 31: No. 3, 115-16(1941).
Effects of mud. ELECTRIC CABLES;ELECTRODES; WELL LOGGING;DIELECTRIC MATERIALS;ELECTRIC CONDUCTIVITY;ELECTRICAL SURVEYS

3292 PHYSICAL MEASUREMENTS AND METHODS IN BOREHOLES. Paul, B.; Rulke, O.; Jost, R. Beitr. Angew. Geophys.; 9: No. 1, 1-39(1941). (In German with English summary).
BOREHOLES;WELL LOGGING;GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS;FLUID FLOW;FLOW RATE; TEMPERATURE MEASUREMENT;PETROLEUM

3293 STUDY OF THE HYPOTHETICAL VERTICALLY ASCENDING CURRENT OF JUVENILE WATER. Aquilina, C. Riv. Geomineraria Geol., Geofisica Appl.; 3: No. 2, 19-32(1942).
GROUND WATER;VAPOR CONDENSATION;HIGH TEMPERATURE;NATURAL STEAM;DEPTH;GEOLOGIC STRATA; GEOTHERMAL EXPLORATION;WELL DRILLING

3294 ELECTRICAL WELL LOGGING, REVIEW OF WELL-LOGGING METHODS. Guyod, H.C. Oil Weekly; 114: No. 10, 38-50(1944).
BOREHOLES;ELECTRICAL SURVEYS;MEASURING METHODS;TEMPERATURE GRADIENTS;ROCKS;PHYSICAL PROPERTIES;WELL LOGGING

3295 TEMPERATURE WELL-LOGGING HEAT CONDUCTION. Guyod, H.C. Oil Weekly; 123: No. 8, 35-40(1946). (BM-IC--7414).
WELL LOGGING;ELECTRIC CONDUCTIVITY;THERMAL CONDUCTIVITY;EXPLORATION;PROSPECTING;GEOLOGIC DEPOSITS;GEOLOGIC FAULTS;EARTH CRUST;HEAT FLOW; TEMPERATURE MEASUREMENT

3296 WELL LOGGING METHODS CONFERENCE. Texas Agr. Mech. Coll., Bull. 93. College Station, TX; United States of America (USA); Texas A and M Coll. (1946). 171p.
BOREHOLES;MEASURING METHODS;WELL LOGGING; MEETINGS;COST;ECONOMICS;BIBLIOGRAPHIES

3297 THERMAL SOURCES OF PEDRO LURO (PROVINCE OF BUENOS AIRES). Rubio, E.F.; De Pandolfi, C.L. Asoc. Geol. Argentina Rev.; 3: No. 4, 295-312(1948).
ARGENTINA;GEOTHERMAL WELLS;THERMAL WATERS; CHEMICAL COMPOSITION;MINERALS;ABUNDANCE;DEPTH; PHYSICAL PROPERTIES;CHEMICAL PROPERTIES

3298 RESULTS OF EXPLORATORY DRILLING IN CAMPI FLEGREI REGION AND OF PROSPECTING FOR VAPOR, THERMAL WATER, AND ENDOGENOUS FORCES. Penta, F.; Conforto, B. Ann. Geofis. (Rome); 4: No. 3, 369-85(1951). (In Italian).
Measured water temperatures to 225°C. ITALY; GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOTHERMAL FLUIDS;GEOTHERMAL ENERGY;ELECTRIC POWER;POWER GENERATION;THERMAL WATERS;NATURAL STEAM;DRILLING;BOREHOLES

3299 MEASUREMENT OF BOREHOLE TEMPERATURES AND THE EFFECT OF GEOLOGICAL STRUCTURE IN THE KLERKSDORP AND ORANGE FREE STATE AREAS. Bouwer, R.F. Trans. Geol. Soc. South Africa; 55: 89-123(1952).
SOUTH AFRICA;TRANSVAAL;REMOTE SENSING; GEOTHERMAL GRADIENTS;GEOPHYSICAL SURVEYS; BOREHOLES;ELECTRONIC EQUIPMENT;THERMOMETERS; TEMPERATURE MEASUREMENT

3300 DIFFERENTIAL METHOD OF THERMOMETRY IN DRILL HOLES (DIFFERENTIAL THERMOLOGGING). Dakhnov, V.N.; Ryapolova, V.A. Prom. Geofiz.; 104-36(1952).
BOREHOLES;TEMPERATURE DISTRIBUTION;MEASURING INSTRUMENTS;TEMPERATURE MEASUREMENT;WELL LOGGING;THERMOMETERS;VARIATIONS;LITHOLOGY

3301 BOREHOLE TEMPERATURE MEASURING EQUIPMENT AND THE GEOTHERMAL FLUX IN TASMANIA. Newstead, G.; Beck, A. Aust. J. Phys.; 6: No. 4, 480-9(1953).
2 X 10^{-6}cal/cm^2/sec. TASMANIA;BOREHOLES; TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS; HEAT FLOW;THERMAL CONDUCTIVITY;ROCKS; THERMISTORS;THERMOMETERS;DESIGN

3302 INTERPRETATION OF DRILL-HOLE TEMPERATURE RECORDS. Blum, E. Erdoel Kohle, Erdgas, Petrochem.; 7: No. 5, 272-5(1954).
BOREHOLES;TEMPERATURE DISTRIBUTION;THERMAL EQUILIBRIUM

3303 FORTHCOMING PROBLEMS OF GEOPHYSICAL METHODS OF INVESTIGATION OF SECTIONS OF WELLS. Dakhnov, V.N. Geol. Nefti Gaza; No. 2, 23-9(1957).
BOREHOLES;WELL LOGGING;ROCKS;RADIOACTIVITY; POROSITY;TEMPERATURE MEASUREMENT;ELECTRICAL SURVEYS;PERMEABILITY

3304 ESTIMATION OF DRYNESS FRACTION AND MASS DISCHARGE OF GEOTHERMAL BORES. Belin, R.E.; Bainbridge, A.E. Proc. Inst. Mech. Eng. (London); 171: No. 36, 967-82(1957).
WAIRAKEI GEOTHERMAL FIELD;BOREHOLES;FLOW RATE;NATURAL STEAM;FUMAROLIC FLUIDS;MASS TRANSFER

3305 HEAT TRANSFER BY CONDUCTION AND PERMEATION AND THE CHARACTERISTICS OF ARTIFICIAL BORES PLACED IN THE WAIRAKEI THERMAL AREA. Cooper, E.R. pp 73-80 of Physics of the New Zealand thermal area (N.Z. Dept. Sci. Ind. Res., Bull. 123). New Zealand; N.Z. Dept. Sci. Indust. Res. (1957).
HEAT TRANSFER;WAIRAKEI GEOTHERMAL FIELD; BOREHOLES;FLUID FLOW;FLOW RATE;THERMAL WATERS; NATURAL STEAM

3306 BOREHOLE MEASUREMENTS. Banwell, C.J. pp 39-71 of Physics of the New Zealand thermal area (N.Z. Dept. Sci. Indust. Res., Bull. 123). New Zealand; New Zealand Dept. Sci. Indust. Res. (1957).
NEW ZEALAND;BOREHOLES;TEMPERATURE DISTRIBUTION;GEOTHERMAL EXPLORATION;FLOW RATE; FLUID FLOW;MASS TRANSFER

3307 MATSUKAWA GEOTHERMAL DISTRICT IN IWATE PREFECTURE. Ando, T.; Watanabe, K. Chishitsu Chosasho Geppo; 8: No. 10, 29-32(Oct 1957).
MATSUKAWA GEOTHERMAL FIELD;BOREHOLES;NATURAL STEAM;HYDROLOGY

3308 INTRODUCTION TO SCHLUMBERGER WELL LOGGING. Ridgefield, CT; United States of America (USA); Schlumberger Well Survey Corp., Schlumberger Doc. No. 8 (1958). 176p.
BOREHOLES;WELL LOGGING;TEMPERATURE DISTRIBUTION;DIAGRAMS;IMAGES;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS

3309 GEOTHERMAL MEASUREMENTS ON ENIWETOK AND BIKINI ATOLLS. Swartz, J.H. pp 711-41 of US Geological Survey - Professional Paper 260-U. Washington, DC; US Geol. Surv. (1958).
ISLANDS;BOREHOLES;TEMPERATURE DISTRIBUTION; DEPTH;ENIWETOK;BIKINI;GEOPHYSICAL SURVEYS

3310 IMPORTANT METHOD OF STUDY OF THE EARTH'S INTERIOR. Kosygin, Yu.A. Priroda; No. 8, 21-6(1958).
GEOPHYSICAL SURVEYS;BOREHOLES;TEMPERATURE GRADIENTS;ROCKS;AGE ESTIMATION;EARTH CRUST; GEOLOGICAL SURVEYS;HEAT FLOW;GRAVITY SURVEYS

3311 DETERMINATION OF VIRGIN STRATA TEMPERATURES FROM OBSERVATIONS IN DEEP SURVEY BOREHOLES. Cooper, L.R.; Jones, C. Royal Astron. Soc. Geophys. J.; 2: No. 2, 116-31(1959).
BOREHOLES;DRILLING FLUIDS;TEMPERATURE DISTRIBUTION;THERMAL EQUILIBRIUM;THERMISTORS; TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS; GEOLOGIC STRATA

3312 ZONE OF DISTURBANCE OF THE THERMAL STATE OF ROCKS BY DRILLING OF A BOREHOLE. Cheremenskiy, G.A. Akad. Nauk SSSR Izv., Ser. Geofiz.; No. 10, 1507-9(1960).
BOREHOLES;DRILLING;ROCKS;ROCK DRILLING; THERMAL EQUILIBRIUM;DRILLING FLUIDS;TEMPERATURE DEPENDENCE;TIME DEPENDENCE;THERMODYNAMIC PROPERTIES;GEOLOGY;HYDROLOGY

3313 STEAM BORINGS IN KAWAH KAMODJANG. Neumann van Padang, M. Bull. Volcanol.; 23, Ser. 2: 251-5(1960).
BOREHOLES;FUMAROLES;INDONESIA;GEOTHERMAL FIELDS;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;GEOTHERMAL EXPLORATION

3314 RESULT OF DRILLING AT BAGNORE (MONTE AMIATA, ITALY). Gennai, N. Bull. Volcanol.; 23, Ser. 2: 237-9(1960).
ITALY;MONTE AMIATA GEOTHERMAL FIELD; GEOTHERMAL WELLS;WELL DRILLING;POWER GENERATION; NATURAL STEAM

3315 HOW GEYSERS WORK. Vymorokov, B.M. Priroda; No. 11, 97-9(1960).
GEYSERS;VOLCANIC REGIONS;BOREHOLES;FLUID FLOW

3316 STABILIZATION TIME OF THE THERMAL REGIME DISTURBED BY DRILLING OF A BOREHOLE. Cheremenskiy, G.A. Izv. Akad. Nauk SSSR, Ser. Geofiz.; No. 12, 1801-5(1960).
USSR;BOREHOLES;COOLING;GEOLOGIC DEPOSITS; HEAT TRANSFER;ROCK DRILLING;TEMPERATURE MEASUREMENT;TIME DEPENDENCE;TEMPERATURE DISTRIBUTION;TEMPERATURE GRADIENTS

3317 TIME OF RESTORATION OF THERMAL REGIME DISTURBED BY BOREHOLE DRILLING. Cheremenskii, G.A. Izv. Akad. Nauk SSSR, Ser. Geofiz.; 24: No. 12, 1901-5(Dec 1960).
BOREHOLES;WELL DRILLING;TEMPERATURE DISTRIBUTION;TEMPERATURE MEASUREMENT;COOLING; USSR;THERMAL EQUILIBRIUM

3318 HYDROGEOLOGIC INVESTIGATIONS IN BORING FOR THERMAL WATERS. Klimentov, P.P. Vyssh. Ucheb. Zaved. Izv., Geol. Raz.; No. 9, 94-107(1961).
Kurile--Kamchatka region. USSR;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;BOREHOLES; DRILLING;THERMAL WATERS;WELL LOGGING

3319 EFFECT OF DRILLING FLUID ON TEMPERATURES MEASURED IN BORE HOLES. Jaeger, J.C. J. Geophys. Res.; 66: No. 2, 563-9(1961).
BOREHOLES;HEAT TRANSFER;DRILLING;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT;RELIABILITY; DRILLING FLUIDS;FLOW RATE;THERMAL EQUILIBRIUM

3320 THIRD DRILLING FOR GEOTHERMAL INVESTIGATIONS IN THE ONIKOBE BASIN, MIYAGI PREFECTURE. Nakamura, H.; Yanagihara, C.; Takagi, S. Chishitsu Chosasho Geppo; 12: No. 7, 499-502(1961). (In Japanese with English abstract).
JAPAN;GEOTHERMAL FIELDS;CHEMICAL COMPOSITION; THERMAL WATERS;GEOTHERMAL WELLS;WELL DRILLING; TEMPERATURE GRADIENTS

3321 HYDROTHERMAL ALTERATION OF ROCKS IN TWO DRILL HOLES AT STEAMBOAT SPRINGS, WASHOE COUNTY, NEVADA. Sigvaldason, G.E.; White, D.E. pp D116-22 of US Geological Survey Professional Paper 424-D. Washington, DC; US Geol. Surv. (1961).
HOT SPRINGS;BOREHOLES;ROCKS;HYDROTHERMAL ALTERATION;CHEMICAL COMPOSITION;MINERALS; ABUNDANCE;THERMAL WATERS;TEMPERATURE MEASUREMENT;STEAMBOAT SPRINGS

3322 ZONE OF DISTURBANCE OF THE THERMAL STATE OF ROCKS BY DRILLING A BOREHOLE. Cheremenskiy, G.A. Akad. Nauk SSSR Izv., Ser. Geofiz.; No. 10, 1008-9(1961).
ROCKS;THERMAL EQUILIBRIUM;BOREHOLES;ROCK DRILLING;DRILLING FLUIDS;DISTURBANCES;ZONES; HEATING;COOLING

3323 DETERMINATION OF THE TIME OF REESTABLISHMENT OF A THERMAL REGIME DISTURBED BY DRILLING. Cheremenskiy, G.A. Leningrad. Gorn. Inst. Zapiski; 43: No. 2, 132-5(1962).
ROCKS;DRILLING;ROCK DRILLING;BOREHOLES; THERMAL EQUILIBRIUM;TIME DEPENDENCE

3324 GEOTHERMAL STRUCTURE IN THE AWARA HOT SPRING AREA, FUKUI PREFECTURE. Nakamura, H.; Maeda, K.; Suzuki, T. Chishitsu Chosasho Geppo; 13: No. 9, 772-94(1962). (In Japanese with English abstract).
JAPAN;GEOLOGY;GEOTHERMAL GRADIENTS; GEOTHERMAL EXPLORATION;CHEMICAL COMPOSITION; AQUIFERS;THERMAL WATERS;WELL LOGGING; TEMPERATURE MEASUREMENT;BOREHOLES;HOT SPRINGS

3325 THERMAL STRESSES AROUND A WELLBORE AND THEIR SMALL EFFECT ON VELOCITY LOGGING. Tuman, V.S. Soc. Pet. Eng. J.; 2: No. 4, 303-8(1962).
BOREHOLES;DRILLING;DRILLING FLUIDS;THERMAL STRESSES;WELL LOGGING;PERMEABILITY;RELIABILITY; TEMPERATURE DEPENDENCE;SOUND WAVES;VELOCITY; SANDSTONES;GEOPHYSICAL SURVEYS

3326 INSTRUMENT FOR MEASURING VERTICAL TEMPERATURE PROFILES IN SMALL BOREHOLES. Collins, B.G.; Summer, C.J. Geofis. Pura Appl.; 54: 77-83(1963).
BOREHOLES;TEMPERATURE MEASUREMENT; TEMPERATURE GRADIENTS;THERMOMETERS;ELECTRIC CONDUCTIVITY;DESIGN;POLAR REGIONS;ROCKS; PLATINUM

3327 POSSIBILITIES OF UTILIZING THE SEISMIC BOREHOLES FOR GEOTHERMAL MEASUREMENT. Mongelli, F. Boll. Geofiz. Teor. Appl.; 6: No. 22, 139-42(1964). (English abstract).
SEISMIC SURVEYS;BOREHOLES;GEOPHYSICAL SURVEYS;CLAYS

3328 STEAM WELL DRILLING PACE IS PICKING UP ALONG CALIFORNIA'S SALTON SEA. Lawrence, C.J. Oil Gas J.; 62: No. 16, 66-7(1964).
SALTON SEA;GEOTHERMAL WELLS;WELL DRILLING; NATURAL STEAM;ELECTRIC POWER;POWER POTENTIAL; BRINES;RECOVERY;MEXICO;GEOTHERMAL RESOURCES; CALIFORNIA

3329 GEOTHERMAL DRILLHOLES - PHYSICAL INVESTIGATIONS. Banwell, C.J. pp 60-72 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL FIELDS;BOREHOLES;GEOTHERMAL WELLS; DRILLING;POWER POTENTIAL;GEOPHYSICAL SURVEYS; HYDROTHERMAL SYSTEMS;GEOTHERMAL EXPLORATION;

WELL DRILLING

3330 TECHNIQUE OF TESTING GEOTHERMAL WELLS. Averyev, V.V. pp 54-9 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL WELLS;GEOLOGICAL SURVEYS; HYDROLOGY;NATURAL STEAM;THERMAL WATERS;VOLCANIC REGIONS;TESTING;MEASURING METHODS

3331 ROTARY DRILLING FOR GEOTHERMAL ENERGY. Minucci, G. pp 234-44 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WELL DRILLING;GEOTHERMAL EXPLORATION; BOREHOLES;VOLCANIC ROCKS;HIGH TEMPERATURE; MEDIUM TEMPERATURE

3332 ESTABLISHMENT OF THE TEMPERATURE FIELD IN ROCK AFTER BOREHOLE DRILLING. Kutasov, I.M. Izv. Akad. Nauk SSSR, Ser. Geofiz.; No. 5, 448-450(1964).
BOREHOLES;ROCKS;TEMPERATURE GRADIENTS;TIME DEPENDENCE;EQUATIONS;THERMAL EQUILIBRIUM

3333 RESTORATION OF TEMPERATURE FIELD OF ROCKS AFTER DRILLING BOREHOLE. Kutasov, I.M. Izv. Akad. Nauk SSSR, Ser. Geofiz.; No. 5, 742-6(May 1964).
ROCKS;DRILLING;BOREHOLES;THERMAL EQUILIBRIUM

3334 HOW TO DRILL FOR UNDERGROUND STEAM. Bailey, D.G.F. World Petrol.; 35: No. 11, 12, vp(Oct-Nov 1964).
GEOTHERMAL FIELDS;WELL DRILLING;REVIEWS; GEOTHERMAL EXPLORATION;EQUIPMENT;NATURAL STEAM; THERMAL WATERS;CHEMICAL COMPOSITION;POWER GENERATION;COST

3335 INTERPRETATION AND CORRELATION OF GEOPHYSICAL WELL LOGS WITH GEOLOGY FOR INSTRUMENT HOLES. Agenbroad, L. pp 165-83 of Geological, geophysical, chemical, and hydrological investigations of the Sand Springs Range, Fairview Valley and Fourmile Flat, Churchill County, Nevada (Vela Uniform Final Report 1001). US AEC (1965).
BOREHOLES;WELL LOGGING;DRILL CORES;GRANITES; FRACTURES;PYRITES;GEOLOGY;CORRELATIONS; GEOPHYSICAL SURVEYS

3336 CONTINUOUS TEMPERATURE - LOGGING EQUIPMENT. Simmons, G. J. Geophys. Res.; 70: No. 6, 1349-52(1965).
BOREHOLES;WELL LOGGING;TEMPERATURE DISTRIBUTION;MEASURING INSTRUMENTS;TEMPERATURE MEASUREMENT;THERMISTORS

3337 DEEP THERMAL FLUX IN KOLKHIDA LOWLAND. Makarenko, F.A.; Chikhradze, Sh.G. Dokl. Earth Sci. Sect. (Engl. Transl.); 160: 50-2(Jan-Feb 1965).
USSR;BOREHOLES;THERMAL CONDUCTIVITY; TEMPERATURE GRADIENTS;DEPTH;HEAT FLOW; GEOTHERMAL EXPLORATION;HEAT;ENERGY YIELD

3338 NOW WE'RE DRILLING FOR STEAM (IN THE SALTON SEA). Parker, J.L. Sci. Dig.; 57: 78-80(Feb 1965).
SALTON SEA;CALIFORNIA;NATURAL STEAM; PROSPECTING;GEOTHERMAL WELLS;BOREHOLES;WELL DRILLING;GEOTHERMAL EXPLORATION

3339 DEEPEST DRILL HOLE. West. Miner; 39: No. 1, 58-9(1966).
CANADA;BOREHOLES;PLANNING;HEAT FLOW;DRILLING

3340 DEEP HOLE SCIENTIFIC INSTRUMENTS AND MEASUREMENTS FOR PROJECT MOHOLE. Schnieder, W.P. pp 94-107 of International Upper Mantle Symposium, Ottawa, 1965, Report, Canada Geol. Surv. Paper 66-13. Canada Geol. Surv. (1966).
BOREHOLES;DRILLING;EQUIPMENT;MEASURING INSTRUMENTS

3341 DEEP DRILLING IN THE USSR FOR SCIENTIFIC PURPOSES. Fedynsky, V.V. pp 123-36 of Drilling for scientific purposes - International Upper Mantle Symposium, Ottawa (Canada Geological Survey Paper 66-13). Findlay, D.C.; Smith, C.H. (eds.). Canada Geol. Surv. (1966).
USSR;BOREHOLES;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;PLANNING;WELL DRILLING; RESEARCH PROGRAMS;ROCKS;PHYSICAL PROPERTIES; VERY HIGH PRESSURE;HIGH TEMPERATURE;MEASURING METHODS

3342 TEST BORING FOR THERMAL WATER RESOURCE AT SAKAZUKI-MOIWA IN TOMARI VILLAGE, SHIRIBESHI PROVINCE. Kawata, H.; Nakamura, S.; Uchida, Y. Hokkaido Geol. Surv. Rpt.; No. 36, 49-59(1966). (In Japanese).
JAPAN;GEOTHERMAL EXPLORATION;THERMAL WATERS; BOREHOLES;FLOW RATE;TEMPERATURE MEASUREMENT; WELL LOGGING;DRILL CORES;PERFORMANCE

3343 GEOTHERMAL MEASUREMENTS AT MOUNT ISA, QUEENSLAND. Hyndman, R.D.; Sass, J.H. J. Geophys. Res.; 71: No. 2, 587-601(15 Jan 1966).
AUSTRALIA;BOREHOLES;THERMAL CONDUCTIVITY; HEAT FLOW;GEOPHYSICAL SURVEYS;GEOLOGIC STRATA

3344 HYDROGEOLOGICAL AND GEOPHYSICAL INVESTIGATIONS OF GEOTHERMAL ANOMALY IN HUNGARY - 1. Alfoldi, L.; Galfi, J. Bull. Int. Assoc. Sci. Hydrol.; 11: No. 1, 8-23(Mar 1966).
HUNGARY;GEOTHERMAL FIELDS;BOREHOLES; TEMPERATURE DISTRIBUTION;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;HYDROLOGY

3345 WELL LOGGING IN GROUND-WATER HYDROLOGY. Keys, W.S. pp 1-21 of Transactions of 8th Ann. Society of Professional Well Log Analysts Logging Symposium, Denver, CO, 1967. Soc. Prof. Well Log Analysts (1967).
From 8. Annual Society of Professional Well Log Analysts Logging Symposium; Denver, CO (1967).
GROUND WATER;HYDROLOGY;WELL LOGGING; GEOPHYSICS

3346 INVESTIGATION BY DRILLING ON THE GEOTHERMAL AREA OF DAKE HOT SPRING, FUKUSHIMA PREFECTURE. Yanagihara, C.; Fujikura, K. Jap. Geol. Surv. Bull.; 18: No. 6, 419-28(1967). (In Japanese with English abstract).
GEOTHERMAL FIELDS;DRILLING;GEOTHERMAL GRADIENTS;HOT SPRINGS;JAPAN;GEOTHERMAL EXPLORATION;BOREHOLES

3347 INVESTIGATION BY DRILLING ON THE GEOTHERMAL AREA OF DAKE HOT SPRING, FUKUSHIMA PREFECTURE. Yanagihara, C.; Fujikura, K. Jap., Geol. Surv., Bull.; 18: No. 6, 419-428(1967).
JAPAN;HOT SPRINGS;BOREHOLES;WELL DRILLING; TEMPERATURE GRADIENTS;TEMPERATURE DISTRIBUTION; TEMPERATURE MEASUREMENT

3348 STEAM HYDROTHERMAL WELLS OF HOT BEACH (NEW DATA FROM THE RESULTS OF DRILLING OPERATIONS IN 1966). Dunichev, V.M.; Riznich, I.I. Akad. Nauk SSSR, Sibirskoye Otdel., Volkanol. Sta. Byull.; No. 44, 60-4(1968).
Kunashir Island. GEOTHERMAL EXPLORATION;USSR; GEOTHERMAL FIELDS;USES;SPACE HEATING; GREENHOUSES;POWER GENERATION;GEOTHERMAL WELLS; HYDROLOGY;VOLCANIC REGIONS;HOT-WATER SYSTEMS; BOREHOLES;GEOTHERMAL RESOURCES;DRILLING

3349 LOGGING OF ULTRADEEP BOREHOLES. Jesch, A. Magy. Geofiz.; 9: No. 2, 60-8(1968).
HUNGARY;BOREHOLES;WELL LOGGING;DEPTH; MEASURING INSTRUMENTS;RELIABILITY;PERFORMANCE; TEMPERATURE DEPENDENCE;DIELECTRIC MATERIALS

3350 RESULTS OF GEOTHERMAL INVESTIGATIONS IN SIBERIA. Moiseyenko, U.P.; Sokolova, L.S. Freiberger Forschungsh., C; 238: 79-87(1968).
USSR;BOREHOLES;HEAT FLOW;ROCKS;THERMAL CONDUCTIVITY;GEOPHYSICAL SURVEYS;THERMODYNAMIC PROPERTIES

3351 CONTRIBUTIONS TO GEOTHERMIES FROM DEEP WELLS. Hedemann, H.A. Freiberger Forschungsh., C; 238: 63-77(1968).
BOREHOLES;TEMPERATURE MEASUREMENT

3352 DETERMINATION OF THE TIME FOR REACHING TEMPERATURE EQUILIBRIUM AND THE GEOTHERMAL GRADIENT IN DEEP BOREHOLES. Kutarov, I.M. Freiberger Forschungsh., C; 238: 55-6(1968).
BOREHOLES;ROCK DRILLING;TEMPERATURE MEASUREMENT;SPATIAL DISTRIBUTION;TEMPERATURE GRADIENTS;ACCURACY;GEOTHERMAL GRADIENTS; MEASURING METHODS;THERMAL EQUILIBRIUM

3353 CONTRIBUTIONS TO GEOTHERMICS FROM DEEP WELLS. Hedemann, H.A. Freiberger Forschungsh., Reihe C; 238: 63-77(1968).
BOREHOLES;GEOPHYSICAL SURVEYS;ECONOMICS;USES; GEOLOGY;GEOLOGICAL SURVEYS

3354 Liadze, V.V. (Causes of poor comparability of results of electrometric research in exploration and structure drill holes in a thin-layered section). Neft'i Gaz; No. 10, 8-10(1968).
BOREHOLES;ELECTROMETERS;ELECTRICAL SURVEYS; MEASURING METHODS;GEOLOGIC STRATA;ELECTRIC CONDUCTIVITY

3355 COMPUTERS TO INCREASE THE VALUE OF TEMPERATURE LOGS. Morris, B.P.; Cocanower, R.D. pp 1-21 of Trans. 9th Ann. Soc. Prof. Well Log Analysts, Logging Symp., New Orleans, LA, 1968. Soc. Prof. Well Log Analysts (1968).
BOREHOLES;WELL LOGGING;TEMPERATURE MEASUREMENT;COMPUTERS;DATA PROCESSING

3356 MAXIMUM TEMPERATURES RECORDED IN WELLBORES. Hilchie, D.W. Log Anal.; 9: No. 5, 21-24(1968).
BOREHOLES;TEMPERATURE MEASUREMENT;DEPTH

3357 JURASSIC THERMAL BRINES IN NORTH AND WEST POLAND. Bojarska, J.; Bojarski, L. Kwart. Geol.; 12: No. 3, 578-88(1968). (Russian and English abstracts).
POLAND;BOREHOLES;THERMAL WATERS;TEMPERATURE GRADIENTS;FLOW RATE;BRINES;GEOTHERMAL EXPLORATION;CHEMICAL COMPOSITION;TEMPERATURE MEASUREMENT

3358 METHOD OF CALCULATION OF OPTIMUM REMOVAL OF THE EARTH HEAT BY THERMAL WATERS PUMPING APPLYING MODELLING. Lyalko, V.I. Bull. Int. Assoc. Sci. Hydrol.; 13: No. 2, 85-91(1968).
GEOTHERMAL WELLS;PUMPS;AQUIFERS;FLOW RATE; FUNCTIONAL MODELS;ANALOG SYSTEMS;HEAT TRANSFER; USSR;HEAT;ENERGY YIELD;OPTIMIZATION

3359 LITHOLOGIC LOGS OF THE UCE-2, UCE-3, AND UCE-16, DRILLHOLES, STONE CABIN AND MONITOR VALLEYS, NYE COUNTY, NEVADA. Hoover, D.L.; Hedlund, D.C.; Snyder, R.P. Contract AT(29-2)-474. Denver, CO; United States of America (USA); US Geol. Surv. (1969). 15p.
NEVADA;BOREHOLES;TUFF;LAVA;LITHOLOGY; SEDIMENTS;VOLCANIC ROCKS

3360 COMPUTERIZED TEMPERATURE DECAY - AN ASSET TO TEMPERATURE LOGGING. Cocanower, R.D.; Morris, B.P.; Dillingham, M. J. Pet. Technol.; 933-41(1969).
BOREHOLES;TEMPERATURE GRADIENTS;TEMPERATURE MEASUREMENT;COMPUTERS;DIAGRAMS;WELL LOGGING

3361 SCHEME OF PULSE TRANSMISSION ALONG LOGGING CABLE. Shakirzyanov, N.Z. Geofiz. App.; No. 40, 137(1969).
WELL LOGGING;PULSES;SIGNALS;TRANSFORMERS

3362 MULTIELECTRODE LATERAL LOGGING SONDES. Kosenkov, O.M. Prikl. Geofiz.; No. 57, 202-9(1969).
WELL LOGGING;ELECTRODES;DRILLING FLUIDS

3363 PROPERTIES OF MULTIELECTRODE SONDES WITH FOCUSED CURRENT IN THE CASE OF VERY HIGH FORMATION RESISTIVITIES. Kashik, A.S. Prikl. Geofiz.; No. 57, 210-20(1969).
WELL LOGGING;ELECTRODES;ROCKS;ELECTRIC CONDUCTIVITY;DRILLING FLUIDS

3364 STABILIZED BOREHOLE GAMMA-SPECTROMETER (IN YADERNAYA GEOFIZIKA). Bragin, A.A.; Korenev, D.P.; Blyumentsev, A.M.; Fel'dman, I.I.; Zheltikov, A.M.; Korotkova, V.A. Tr., Vses. Nauchno-Issled. Inst. Yad. Geofiz. Geokhim.; No. 7, 189-97(1969).
WELL LOGGING;GAMMA SPECTROMETERS;MULTI-CHANNEL ANALYZERS;PULSE ANALYZERS;MEASURING METHODS;BOREHOLES

3365 GEOPHYSICAL AND GEOCHEMICAL INVESTIGATIONS OF ULTRADEEP BOREHOLES, SOME RESULTS AND PROBLEMS (IN YADERNAYA GEOFIZIKA). Alekseyev, F.A.; Kukharenko, N.K.; Galkin, Yu.D.; Voytov, G.I.; Anpilogov, A.V.; Orlov, L.I.; Ruchkin, A.V. Tr., Vses. Nauchno-Issled. Inst. Yad. Geofiz. Geokhim.; No. 7, 226-56(1969).
SEDIMENTARY ROCKS;IGNEOUS ROCKS;BOREHOLES; DRILLING;DEPTH;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS

3366 USE OF BOREHOLE POLARIZATION SENSORS IN

ULTRASONIC LOGGING. Averko, Ye.M.; Matoshin, V.M. Akad. Nauk SSSR Sibir. Otdel., Geol. i Geofiz.; No. 5, 89-95(1969). (English summary, p. 152).
BOREHOLES;GEOPHYSICAL SURVEYS;WELL LOGGING; ULTRASONIC WAVES

3367 USE OF GEOPHYSICAL WELL LOGGING AND GEOLOGIC DATA TO BRING OUT JOINTED-CAVERNOUS AND JOINTED RESERVOIRS, AND ESTIMATION OF THEIR EFFECTIVE POROSITY. Pernikov, M.Sh. Razved. Geofiz.; No. 34, 101-6(1969).
ROCKS;POROSITY;WELL LOGGING;DRILL CORES; ELECTRIC CONDUCTIVITY;AQUIFERS;GEOPHYSICAL SURVEYS

3368 ESTIMATION OF THE CAPACITY OF JOINTED RESERVOIRS FROM DATA OF HYDRODYNAMIC INVESTIGATIONS OF WELL, PHOTOLOGGING, AND CORE ANALYSIS. Kotyakhov, F.I. Razved. Geofiz.; No. 34, 107-10(1969).
ROCKS;MEASURING METHODS;WELL LOGGING;DRILL CORES;POROSITY;CAVITIES;AQUIFERS;GEOPHYSICAL SURVEYS

3369 SOME WAYS OF BRINGING OUT JOINTED RESERVOIRS BY GEOPHYSICAL LOGGING METHODS. Ruchkin, A.V. Razved. Geofiz.; No. 34, 111-16(1969).
ROCKS;CARBONATES;POROSITY;MEASURING METHODS; WELL LOGGING;ELECTRIC CURRENTS;GEOPHYSICAL SURVEYS;AQUIFERS

3370 MEASUREMENT ERRORS OF LATERAL LOGGING SONDES CAUSED BY THE FINITENESS OF THE DISTANCES TO THE OUTLYING ELECTRODES. Kashik, A.S.; Pavelko, G.M. Razved. Geofiz.; No. 35, 103-12(1969).
WELL LOGGING;ELECTRODES;ELECTRIC CONDUCTIVITY;ERRORS;ELECTRICAL SURVEYS

3371 IMPROVED MULTIELECTRODE SONDE. Nogotkov, V.F. Razved. Geofiz.; No. 35, 123-4(1969).
WELL LOGGING;MEASURING METHODS;PERFORMANCE; ELECTRODES;DIELECTRIC MATERIALS;ELECTRODES; ELECTRICAL SURVEYS

3372 STUDY OF FRACTURED RESERVOIRS WITH THE HELP OF WELL-LOGGING TECHNIQUES. Itenberg, S.S. Bull. Natl. Geophys. Res. Inst.; 7: No. 2-3, 119-29(1969).
ROCKS;WATER RESERVOIRS;MEASURING METHODS; WELL LOGGING;DRILL CORES;BOREHOLES;FRACTURES

3373 SOME PROBLEMS OF ESTIMATING THE TEMPERATURE ERROR OF HEAT RESISTANT INDUCTION LOGGING APPARATUS. Liderman, Yu.L.; Mil'man, L.R.; Chelok'yan, R.S. Geofiz. App.; No. 40, 115-20(1969).
WELL LOGGING;TEMPERATURE MEASUREMENT;ERRORS; PHASE SHIFT

3374 TEMPERATURE MEASUREMENTS IN DEEP WELLS OF THE PRIPET TROUGH. Bogomolov, G.V.; Tsybulya, L.A.; Atroshchenko, P.P.; Kutasov, I.M. Dokl. Akad. Nauk BSSR; 13: No. 1, 63-5(1969).
USSR;GEOTHERMAL GRADIENTS;BOREHOLES; TEMPERATURE MEASUREMENT;HEAT FLOW;GEOPHYSICAL SURVEYS

3375 SIMPLIFIED THEORETICAL APPROACH TO THE SPATIAL RESPONSE OF FOCUSED LOGS. Schopper, J.R. Log Anal.; 10: No. 4, 9-16(1969).
WELL LOGGING;MEASURING METHODS;DIAGRAMS; MEASURING INSTRUMENTS;EQUATIONS

3376 GEOTHERMAL PROSPECTING IN SHALLOW HOLES AND ITS LIMITATIONS. Dedkova, D.; Halousek, J. (Inst. of Appl. Geophysics, Prague, Czech.); Krcmar, B.; Prihoda, K. (Scintrex Ltd., Downsview, Ontario, Canada). Geothermics; Special Issue 2: 1244-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
TEMPERATURE MEASUREMENT;EXPLORATION; THERMOMETERS;DESIGN;BOREHOLES

3377 ESTIMATION OF HYDROTHERMAL SYSTEMS BY MEANS OF WELL-HEAD OBSERVATIONS. Yuhara, K. (National Res. Cent. for Disaster Prev., Tokyo, Japan). Geothermics; Special Issue 2: 1458-62(1970).
STEAM;ORIGIN;THERMAL WATERS;GEOTHERMAL WELLS; PERFORMANCE;HYDROTHERMAL SYSTEMS;BOILING; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE; GROUND LEVEL

3378 COMPLEX INTERPRETATION OF THE RESULTS OF GEOPHYSICAL LOGGING INVESTIGATIONS AND GAS LOGGING USING A COMPUTER. Pomerants, L.I.; Sokhranov, N.N.; Komarov, Yu.S. Prikl. Geofiz.; No. 59, 208-25(1970).
GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;WELL LOGGING;DATA PROCESSING;COMPUTERS

3379 DEVELOPMENTS IN GEOPHYSICAL LOGGING INSTRUMENTS AND METHODS. Andrassy, L.; Barat, I.; Liszt, F.; Marfoldi, G.; Rozs, G.; Salamon, B.; Sebestyen, K.; Szalai, M.; Tatar, J. Magy. Allami Eotvos Lorand Geofiz. Int. Evi Jelentese; 1969: 89-93(1970).
HUNGARY;WELL LOGGING;BOREHOLES;MEASURING INSTRUMENTS;POROSITY;ELECTRONIC CIRCUITS; CALIBRATION;DESIGN

3380 FORMATION EVALUATION BY INSPECTION WITH THE BOREHOLE TELEVIEWER. Zemanek, J. (Mobil Research and Development Corp., Dallas, TX). Geophysics; 35: No. 2, 254-69(Apr 1970).
GEOLOGIC DEPOSITS;WELL LOGGING;FRACTURES; BOREHOLES;GEOPHYSICAL SURVEYS;SOUND WAVES; ACOUSTIC TESTING;TELEVISION;REMOTE VIEWING EQUIPMENT;GEOLOGICAL SURVEYS

3381 ATTEMPT TO DETERMINE GEOTHERMAL HEAT FLOW USING SHALLOW BOREHOLES. Moiseenko, U.I.; Duchkov, A.D.; Sokolova, L.S. (Akad. der Wissenschaften der U.D.S.S.R., Novosibirsk, Soviet Union). Tectonophysics; 10: No. 1-3, 89-94(Sep 1970).
HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT; THERMOMETERS

3382 GEYSERING ACTION IN A DRILLED WELL, CRUMP, LAKE COUNTY, OREGON. Rinehart, J.S. (Univ. Colorado, Boulder). J. Geophys. Res.; 75: No. 32, 6714-16(10 Nov 1970).
GEOTHERMAL WELLS;GEYSERS;DEPTH;TEMPERATURE DISTRIBUTION;WELL DRILLING

3383 TEST DRILLING FOR THERMAL WATER RESOURCE IN KUMAISHICHO, HIYAMA PROVINCE, HOKKAIDO, JAPAN. Suzuki, T. (Hokkaidoritsu Chikashigen Choasaho, Japan). Chika Shigen Cholasho Hokoku; No. 44, 73-8(1971). (In Japanese).
JAPAN;THERMAL WATERS;WELL DRILLING;FLOW RATE; TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION;

CARBONATES;CALCIUM COMPOUNDS;MAGNESIUM COMPOUNDS;SODIUM CHLORIDES

3384 ANALYSIS OF ERRORS IN LOGGING PARAMETERS AND THEIR EFFECTS ON CALCULATING WATER SATURATION. Khelil, C. pp A1-A16 of SPWLA Logging Symposium, 12th Annual, Dallas, TX, 1971, Transactions. Houston, TX; Soc. Prof. Well Log Analysts (1971).
WELL LOGGING;ERRORS;CLAYS;ELECTRIC CONDUCTIVITY;WATER;SATURATION

3385 TEMPERATURE FIELD OF ROCKS, TAKING INTO ACCOUNT THE INTERACTION OF BOREHOLES. Putikov, O.F.; Romanov, V.A.; Plekhanov, G.V. (Leningrad Mining Inst., USSR). J. Eng. Phys. (USA); 20: No. 2, 262-3(Feb 1971).
GEOLOGIC DEPOSITS;ROCKS;BOREHOLES;HEAT TRANSFER;TEMPERATURE DISTRIBUTION

3386 WELL LOCATION MAP, PINAL COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES, STRATIGRAPHIC INFORMATION AND SELECTED WELLS DRILLED FOR WATER. Koester, E.A.; Conley, J.N. Scale 1:500,000. United States of America (USA); Arizona Oil Gas Conserv. Comm. (1972).
ARIZONA;BOREHOLES;MAPS;GEOTHERMAL EXPLORATION;HYDROCARBONS;PROSPECTING;WATER RESOURCES;STRATIGRAPHY;PETROLEUM DEPOSITS; GEOTHERMAL ENERGY;WELL DRILLING

3387 GEOTHERMAL EXPLORATION IN GUADELOUPE. Demians d'Archimbaud, J.; Surcin, J. Rev. Geogr. Phys. Geol. Dyn.; 14: No. 3, 211-28(1972). (In French with English summary).
WEST INDIES;ISLANDS;GEOTHERMAL EXPLORATION; BOREHOLES;STRATIGRAPHY;GROUND WATER;CHEMICAL COMPOSITION;THERMAL WATERS

3388 WELL LOCATION MAP, MARICOPA COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC INFORMATION AND SELECTED WELLS DRILLED FOR WATER. Conley, J.N.; Koester, E.A. Scale 1: 500,000. United States of America (USA); Arizona Oil Gas Conserv. Comm. (1972).
ARIZONA;BOREHOLES;MAPS;GEOTHERMAL EXPLORATION;HYDROCARBONS;PROSPECTING;WATER RESOURCES;STRATIGRAPHY;PETROLEUM DEPOSITS; GEOTHERMAL ENERGY;WELL DRILLING

3389 WELL LOCATION MAP, COCHISE COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC INFORMATION AND SELECTED WELLS DRILLED FOR WATER. Koester, E.A.; Conley, J.N. Scale 1: 500,000. United States of America (USA); Arizona Oil Gas Conserv. Comm. (1972).
ARIZONA;BOREHOLES;MAPS;GEOTHERMAL EXPLORATION;HYDROCARBONS;PROSPECTING;WATER RESOURCES;STRATIGRAPHY;PETROLEUM DEPOSITS; GEOTHERMAL ENERGY;WELL DRILLING

3390 DRILLING FOR GEOTHERMAL STEAM AND HOT WATER. Matsuo, K. (Geothermal Energy Association, Tokyo). pp 73-83 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL WELLS;WELL DRILLING;DRILL CORES; BOREHOLES;THERMAL WATERS;NATURAL STEAM; GEOTHERMAL EXPLORATION

3391 GEOTHERMAL STUDIES IN NEW MEXICO AND SOUTHERN COLORADO. Edwards, C.L.; Reiter, M.A.; Weidman, C. (New Mexico Inst. Mining and Technol., Socorro, USA). EOS, Trans., Am. Geophys. Union; 54: No. 4, 463(1973).
NEW MEXICO;COLORADO;GEOTHERMAL EXPLORATION; BOREHOLES;WELL LOGGING;DATA;GEOLOGIC FAULTS; HEAT FLOW

3392 DETERMINATION OF POROSITY AND CLAY CONTENT OF PRODUCTIVE STRATA FROM RADIOACTIVE LOGGING DATA. Bal'vas, Yu.P.; Basin, Ya.N.; Kukharenko, N.K.; Tyukaev, Yu.V. Razved. Geofiz.; No. 55, 109-16(1973). (In Russian).
BOREHOLES;WELL LOGGING;GEOLOGIC STRATA;CLAYS; POROSITY;RADIOACTIVITY

3393 RESEARCH DRILL HOLE AT THE SUMMIT OF KILAUEA VOLCANO, HAWAII. Keller, G.V. (Colorado School of Mines, Golden). Geothermics; 2: No. 3-4, 105(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
HAWAII;BOREHOLES;VOLCANOES;BASALT; TEMPERATURE MEASUREMENT;THERMAL WATERS; GEOTHERMAL EXPLORATION

3394 GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA, SPECIAL REPORT TEST WELL MESA 6-1. Denver, CO; Bureau of Reclamation, Lower Colorado Region (Feb 1973). 44p.
GEOTHERMAL RESOURCES;IMPERIAL VALLEY; DRILLING;THERMODYNAMIC PROPERTIES;GEOTHERMAL WELLS;PERMEABILITY;CHEMICAL COMPOSITION;THERMAL WATERS;GEOTHERMAL EXPLORATION;HOT-WATER SYSTEMS; SODIUM CHLORIDES;POTASSIUM CHLORIDES;SILICON OXIDES

3395 PRESSURE PREDICTION WITH FLOWLINE TEMPERATURE GRADIENTS. Wilson, G.J.; Bush, R.E. (Continental Oil Co., Houston, TX). J. Pet. Technol.; 25: 135-42(Feb 1973).
TEMPERATURE GRADIENTS;PRESSURE MEASUREMENT; WELL LOGGING;GEOPHYSICAL SURVEYS

3396 THERMAL CONDUCTIVITY OF SEDIMENTS FROM DRILL CHIPS, CORES, AND GEOPHYSICAL LOG PARAMETERS. Goss, R.; Combs, J. EOS, Trans., Am. Geophys. Union; 55: No. 4, 423(1974).
Mesa geothermal anomaly, Dunes geothermal anomaly. BOREHOLES;WELL DRILLING;SEDIMENTS; THERMAL CONDUCTIVITY;WELL LOGGING;DRILL CORES; GEOPHYSICAL SURVEYS;HEAT FLOW;IMPERIAL VALLEY; POROSITY;PERMEABILITY;ELECTRIC CONDUCTIVITY; CALIFORNIA

3397 GEOPHYSICAL LOGS FROM THE KILAUEA GEOTHERMAL RESEARCH DRILL HOLE. Keller, G.V.; Murray, J.C.; Towle, G.H. Soc. Prof. Well Log Anal. Annu. Logging Symp., Trans.; No. 15, L1-L17(1974).
HAWAII;BOREHOLES;WELL LOGGING;GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT;IGNEOUS ROCKS; BASALT;POROSITY;PHYSICAL PROPERTIES;TEMPERATURE MEASUREMENT

3398 DEEP DRILLING IN AN ACTIVE GEOTHERMAL AREA IN THE AZORES. Muecke, G.K.; Ade-Hall, J.M.; Aumento, F.; MacDonald, A.; Reynolds, P.H.; Hyndman, R.D. (Dalhousie Univ., Halifax, Nova Scotia, Canada); Quintino, J. (Observatorio Afonso Chaves, Ponta Delgada, Sao Miguel, Azores, Portugal); Opdyke, N.; Lowrie, W. (Lamont-Doherty Geological Observatory, Palisades, NY). Nature (London); 252: 281-5(22 Nov 1974).

PORTUGAL;WELL DRILLING;GEOLOGY;AZORES ISLANDS;GEOTHERMAL FIELDS;GEOLOGIC STRATA; PETROLOGY

3399 PHYSICAL RESULTS OF RESEARCH DRILLING IN THERMAL AREAS OF YELLOWSTONE NATIONAL PARK, WYOMING. White, D.E.; Fournier, R.O.; Muffler, L.J.P.; Truesdell, A.H. Geological Survey Professional Paper 892. Washington, DC; United States of America (USA); Geological Survey (1975). 70p. GPO
YELLOWSTONE NATIONAL PARK;BOREHOLES;WYOMING; TEMPERATURE MEASUREMENT;SILICA;DEPOSITION; GEOTHERMAL GRADIENTS;PRESSURE GRADIENTS; AQUIFERS;PRESSURE MEASUREMENT;GEOPHYSICAL SURVEYS;MAPS;DRILLING;SITE SELECTION; HYDROTHERMAL SYSTEMS

3400 NEW TECHNOLOGY CHALLENGES IN EXPLORATION, EXPLOITATION, AND ENVIRONMENTAL IMPACT OF GEOTHERMAL SYSTEMS. Keller, G.V. (Colorado School of Mines, Golden). Adv. Astronaut. Sci.; 35: Suppl. 443-453(1975).
From Energy Symposium of the 140. Annual Meeting of the American Association for the Advancement of Science; San Francisco, CA (25 Feb 1974).
GEOTHERMAL POWER PLANTS;MAGMA SYSTEMS; GEOTHERMAL FLUIDS;WASTE DISPOSAL;EXPLORATION; ENVIRONMENTAL EFFECTS;GEOTHERMAL ENERGY;ENERGY SOURCES;CONTROL;STORED ENERGY;CONVERSION; EFFICIENCY;GEOTHERMAL GRADIENTS;WELL LOGGING; GEOTHERMAL EXPLORATION;WASTE HEAT;RECOVERY

3401 MICROFRACTURES IN ROCKS FROM TWO GEOTHERMAL AREAS. Batzle, M.L.; Simmons, G. (Massachusetts Inst. of Tech., Cambridge). pp 993 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
Dunes area, California and Raft River, Idaho. GEOTHERMAL FIELDS;FRACTURES;ROCKS; SEDIMENTARY ROCKS;DRILL CORES;CALIFORNIA;IDAHO; GEOTHERMAL SYSTEMS;POROSITY;PHYSICAL PROPERTIES; BOREHOLES

3402 DRILLING RESEARCH: NEW BIT DESIGNS PROMISE LOWER DRILLING COSTS. Min. Eng. (N.Y.); 27: No. 8, 38-40(Aug 1975).
ROCK DRILLING;EQUIPMENT;DESIGN;OIL WELLS; GEOTHERMAL WELLS;WELL DRILLING;RESEARCH PROGRAMS;ECONOMICS;PETROLEUM;DRILL BITS

3403 DEEP DRILLING ON LAND PROPOSED. Geotimes; 20: No. 8, 24-7(Aug 1975).
HYDROTHERMAL SYSTEMS;GEOTHERMAL EXPLORATION; GEOLOGIC FAULTS;EARTHQUAKES;DRILLING; EXPLORATION;GEOPHYSICAL SURVEYS;GEOLOGICAL SURVEYS;EARTH CRUST;HEAT FLOW

Legal and Institutional Aspects

Refer also to citation(s) 25, 266, 346, 556, 568, 3560, 3576, 3579, 3581, 3621

3404 (CONF-710571--, pp vp, Paper 6) IMPLEMENTING THE FEDERAL GEOTHERMAL STEAM ACT OF 1970. Stone, R.T. 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
LEGISLATION;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;LAND LEASING;US ORGANIZATIONS; ENVIRONMENTAL IMPACT STATEMENTS

3405 (CONF-740209--, pp 107-111) RESEARCH DRILL HOLE AT THE SUMMIT OF KILAUEA VOLCANO, HAWAII. Keller, G.V. (Colorado School of Mines, Golden, CO). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
BOREHOLES;DRILLING;VOLCANOES;HAWAII; GEOTHERMAL EXPLORATION;THERMAL WATERS; GEOPHYSICAL SURVEYS;BASALT;GEOTHERMAL GRADIENTS; MAGMA SYSTEMS

3405 (CONF-740209--, pp 617-632) PENULTIMATE GEOTHERMAL SYSTEM IN LEGAL PERSPECTIVE. Sheets, G.M. (Univ. of Hawaii, Honolulu). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
GEOTHERMAL SYSTEMS;LEGAL ASPECTS;GEOTHERMAL RESOURCES;OFFSHORE SITES;DRILLING;GEOTHERMAL ENERGY CONVERSION

3407 (CONF-741145--1) SUMMARY GUIDE TO THE INSTITUTIONAL PROBLEMS CONFRONTING THE GEOTHERMAL ENERGY INDUSTRY. Finn, D.F.X. (Geothermal Energy Inst., San Francisco, Calif. (USA)). 10 Dec 1974. 10p. Geothermal Energy Institute, 680 Beach Street, San Francisco, CA 94109.
From Annual meeting Society of Economic Geologists; Miami, Florida, USA (18 Nov 1974).
GEOTHERMAL RESOURCES;REGULATIONS;LEGAL ASPECTS;PLANNING;RECOMMENDATIONS;ENVIRONMENT; INDUSTRY;LEGISLATION;LEASES;TAXES;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY;GOVERNMENT POLICIES

3408 (CONF-750612--, pp 327-330) ROLE OF PUBLIC LANDS IN GEOTHERMAL ENERGY. Armstrong, B. (General Land Office, Austin, TX). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
LEGAL ASPECTS;LAND LEASING;PUBLIC LANDS; TEXAS;GEOTHERMAL RESOURCES

3409 (EIS-CA--73-1681-F-1) GEOTHERMAL LEASING PROGRAM. VOLUME I. PROMULGATION OF LEASNG AND OPERATING REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 519p. NTIS $1.45.
REGULATIONS;ENVIRONMENTAL IMPACT STATEMENTS; LAND LEASING;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;CALIFORNIA;ENERGY CONSUMPTION

3410 (EIS-CA--73-1681-F-1-GA) GEOTHERMAL LEASING PROGRAM. VOLUME I. PROMULGATION OF LEASING AND OPERATING REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 519p. GPO $4.20.
REGULATIONS;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;LEGAL ASPECTS;ENERGY SOURCES; ELECTRIC POWER;ENERGY SOURCES;ENVIRONMENT; GEOTHERMAL RESOURCES;LAND LEASING

3411 (EIS-CA--73-1681-F-2) GEOTHERMAL LEASING PROGRAM. VOLUME II. LEASING OF GEOTHERMAL RESOURCES IN THREE CALIFORNIA AREAS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 547p. NTIS $1.45.
Clear Lake, Mono Lake, Imperial Valley.
GEOTHERMAL RESOURCES;LAND LEASING;CALIFORNIA; ENVIRONMENTAL IMPACT STATEMENTS;IMPERIAL VALLEY; GEOTHERMAL EXPLORATION

3412 (EIS-CA--73-1681-F-2-GA) GEOTHERMAL LEASING PROGRAM. VOLUME II. LEASING OF GEOTHERMAL RESOURCES IN THREE CALIFORNIA AREAS. FINAL ENVIRONMENTAL IMPACT STATEMEMT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 547p. GPO $5.85.
GEOTHERMAL ENERGY;LEGAL ASPECTS;ENVIRONMENT; LAND LEASING;GEOTHERMAL EXPLORATION;CALIFORNIA; ENERGY SOURCES;REGULATIONS;GEOTHERMAL RESOURCES

3413 (EIS-CA--73-1681-F-3) GEOTHERMAL LEASING PROGRAM. VOLUME III. APPENDICES A THROUGH H. PROPOSED GEOTHERMAL, LEASING, AND OPERATING REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 701p. NTIS $1.45.
GEOTHERMAL RESOURCES;LAND LEASING; REGULATIONS;PUBLIC LANDS;USA;CALIFORNIA; ENVIRONMENTAL IMPACT STATEMENTS

3414 (EIS-CA--73-1681-F-4) GEOTHERMAL LEASING PROGRAM. VOLUME IV. APPENDIX I. COMMENTS ON DRAFT IMPACT STATEMENT AND PROPOSED REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 728p. NTIS $1.45.
LAND LEASING;GEOTHERMAL RESOURCES; ENVIRONMENTAL IMPACT STATEMENTS;CALIFORNIA; REGULATIONS;IMPERIAL VALLEY;USA

3415 (EIS-CA--73-1681-F-4-GA) GEOTHERMAL LEASING PROGRAM. VOLUME IV. APPENDIX I. COMMENTS ON DRAFT IMPACT STATEMENT AND PROPOSED REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 728p. GPO $5.65.
GEOTHERMAL ENERGY;LEGAL ASPECTS;REGULATIONS; CALIFORNIA;GEOTHERMAL EXPLORATION;ENERGY SOURCES;OPERATION;GEOTHERMAL RESOURCES;LAND LEASING

3416 (EIS-CA--1681-F-3-GA) GEOTHERMAL LEASING PROGRAM. VOLUME III. APPENDICES A THROUGH H. PROPOSED GEOTHERMAL LEASING AND OPERATING REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 701p. GPO $5.60.
GEOTHERMAL ENERGY;ENERGY SOURCES;LEGAL ASPECTS;REGULATIONS;ENVIRONMENT;CALIFORNIA; GEOLOGY;GEOTHERMAL EXPLORATION;LAND LEASING; GEOTHERMAL RESOURCES

3417 (NSF/RA/N--73-117(Vol.2)) PROCEEDINGS: NATIONAL CONFERENCE ON GEOTHERMAL ENERGY, PALM SPRINGS, CALIFORNIA, MAY 10--11, 1973. VOLUME II. Leh, M. (ed.). (California Univ., Riverside (USA)). Aug 1973. vp. (CONF-7305117--P2). Univ. of California, Riverside.
GEOTHERMAL ENERGY;MEETINGS;LEGAL ASPECTS

3418 (NSF/RA/N--74-159, pp 122-127) LEASING OF FEDERAL GEOTHERMAL RESOURCES. Stone, R.T. (Geological Survey, Menlo Park, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL RESOURCES;LAND LEASING;PUBLIC LANDS;REGULATIONS;NATIONAL ORGANIZATIONS;USA

3419 (NSF/RA/N--74-159, pp 139-159) INSTITUTIONAL AND ENVIRONMENTAL PROBLEMS IN GEOTHERMAL RESOURCE DEVELOPMENT. Maslan, F.; Gordon, T.J.; Deitch, L. (Futures Group, Glastonbury, CT). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
REGULATIONS;ENVIRONMENTAL EFFECTS;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;INDUSTRY;ECONOMIC DEVELOPMENT

3420 (PB--208954) GEOTHERMAL LEASING PROGRAM. (Department of the Interior, Washington, D.C. (USA)). 3 May 1972. 193p. NTIS $3.00.
GEOTHERMAL RESOURCES;LAND LEASING; ENVIRONMENTAL IMPACT STATEMENTS;GOVERNMENT POLICIES;REGULATIONS;ENERGY SOURCES

3421 (PD--218830, pp 90) GEOTHERMAL STEAM ACT OF 1965 (A BILL TO AUTHORIZE THE SECRETARY OF THE INTERIOR TO MAKE DISPOSITION OF GEOTHERMAL STEAM AND ASSOCIATED GEOTHERMAL RESOURCES). 1965.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USA;GEOTHERMAL RESOURCES;LAND LEASING; REGULATIONS;LEGAL ASPECTS;LEGISLATION;NATURAL STEAM;PUBLIC LANDS

3422 (PD--218830, pp 88) GEOTHERMAL STEAM ACT OF 1970 (EXPLOITATION AND DEVELOPMENT OF GEOTHERMAL STEAM RESOURCES). 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USA;GEOTHERMAL RESOURCES;REGULATIONS; GOVERNMENT POLICIES;EXPLOITATION;LEGAL ASPECTS; LEGISLATION;LAND LEASING

3423 (PD--218830, pp 89) GEOTHERMAL LEASING PROGRAM (DRAFT ENVIRONMENTAL IMPACT STATEMENT). 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USA;GEOTHERMAL RESOURCES;LEGAL ASPECTS; ENVIRONMENTAL IMPACT STATEMENTS;GEOTHERMAL POWER PLANTS;REGULATIONS;GEOTHERMAL EXPLORATION; LEGISLATION;LAND LEASING;POLLUTION;GROUND SUBSIDENCE

3424 (TID--26866) REPORT TO THE CONGRESS. PROBLEMS IN IDENTIFYING, DEVELOPING, AND USING GEOTHERMAL RESOURCES. (Department of the Interior, Washington, D.C. (USA)). 6 Mar 1975. 76p. Dep. NTIS $7.00.
GEOTHERMAL RESOURCES;LEGISLATION;US ORGANIZATIONS;LAND LEASING;POWER GENERATION; GEOTHERMAL ENERGY;RESEARCH PROGRAMS;BRINES; DESALINATION;REVIEWS;FRESH WATER;PRODUCTION; ELECTRIC POWER

3425 (UCID--16807) REGULATORY ASPECTS OF

GEOTHERMAL ENERGY DEVELOPMENT IN THE SALTON SEA/ IMPERIAL VALLEY AREA. Tonnessen, K. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Apr 1975. Contract W-7405-eng-48. 26p. Dep. NTIS $4.00.
GEOTHERMAL RESOURCES;REGULATIONS;GOVERNMENT POLICIES;GEOTHERMAL ENERGY;IMPERIAL VALLEY; SALTON SEA;LAND LEASING;US ORGANIZATIONS; ENVIRONMENTAL PROTECTION AGENCY

3426 RECENT DEVELOPMENTS IN THE TAXATION OF GEOTHERMAL EXPLORATION. Eisenstat, S.M. San Francisco, CA; United States of America (USA); Geothermal Energy Inst. ([nd]). 4p.
TAXES;GEOTHERMAL EXPLORATION;LEGISLATION; REGULATIONS;LAND LEASING;FINANCING

3427 PUBLIC HEARING ON GEOTHERMAL ENERGY AND ASSOCIATED MINERAL RESOURCES. Palm Springs, CA; State of California, Senate Fact-Finding Committee on Nat. Res. (1965). 177p.
CALIFORNIA;GEOTHERMAL ENERGY;HEARINGS; MINERAL RESOURCES;GEOTHERMAL EXPLORATION

3428 CALIFORNIA LAWS FOR THE CONSERVATION OF GEOTHERMAL ENERGY (CHAPTER 1483, STATUTES OF 1965), AN ACT TO ADD CHAPTER 4, DIVISION 3, TO THE PUBLIC RESOURCES CODE, RELATING TO GEOTHERMAL ENERGY AND ASSOCIATED RESOURCES. Sacramento; State of California (1965).
CALIFORNIA;GEOTHERMAL ENERGY;LAWS; REGULATIONS

3429 LEGAL PROBLEMS OF THE GEOTHERMAL INDUSTRY. Brooks, J.W., Jr. Univ. NM Law School, Nat. Res. J.; 6: No. 4, 511-41(1966).
GEOTHERMAL ENERGY;ECONOMICS;GEOTHERMAL FIELDS;NATURAL OCCURRENCE;LEGAL ASPECTS; GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES; LEGISLATION

3430 DISPOSITION OF GEOTHERMAL STEAM. Hearings before Subcommittee on Mines and Mining in H.R. 7334, H.R. 10204, S. 1674, May 24, July 12, August 16-31, September 1, 1966. 2 pts. Washington, DC; United States of America (USA); US Congress. House. Committee on Interior and Insular Affairs (1966).
USA;GEOTHERMAL RESOURCES;EXPLOITATION; NATURAL STEAM;LEGISLATION;LEGAL ASPECTS; GEOTHERMAL ENERGY

3431 GEOTHERMAL STEAM. Report to accompany S. 1674. Washington, DC; United States of America (USA); US Congress. House. Committee on Interior and Insular Affairs (28 Sep 1966). 36p.
USA;GEOTHERMAL RESOURCES;EXPLOITATION; NATURAL STEAM;LEGISLATION;GEOTHERMAL ENERGY

3432 GEOTHERMAL STEAM ACT OF 1966 (S. 1674); MEMORANDUM OF DISAPPROVAL, 14 NOV 1966. (US President). Weekly Compilation of Presidential Documents; 1699(21 Nov 1966).
USA;GEOTHERMAL RESOURCES;LEGISLATION

3433 GEOTHERMAL ENERGY LANDS OUTLINED. Calif. Div. Mines, Geol., Mineral Info. Serv.; 20: No. 6, 58, 72(1967).
USA;GEOTHERMAL RESOURCES;LEGAL ASPECTS;LAND RECLAMATION

3434 CALIFORNIA'S GEOTHERMAL RESOURCES. Report to 1967 Legislature. Sacramento; State of California, Joint Legislative Committee on Tidelands (1967). 194p.
Legal and technological status. CALIFORNIA; GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION; LEGISLATION

3435 CALIFORNIA LAWS FOR THE CONSERVATION OF GEOTHERMAL ENERGY, AN ACT TO AMEND THE HEADING OF CHAPTER 4, AND TO ADD TO CHAPTER 3, DIVISION 3, OF THE PUBLIC RESOURCES CODE, RELATING TO GEOTHERMAL RESOURCES. Sacramento; State of California (1967).
CALIFORNIA;LAWS;GEOTHERMAL ENERGY; REGULATIONS;MANAGEMENT;GEOTHERMAL EXPLORATION; LAND LEASING

3436 DISPOSITION OF GEOTHERMAL STEAM - 1967. Hearings before Subcommittee on Mines and Mining on H.R. 3577 and related bills 12-16 June 1967. Washington, DC; United States of America (USA); US Congress. House. Committee on Interior and Insular Affairs (1967). 244p.
USA;GEOTHERMAL RESOURCES;NATURAL STEAM; LEGISLATION;GEOTHERMAL ENERGY

3437 GEOTHERMAL STEAM LEASING; HEARINGS BEFORE SUBCOMMITTEE ON MINERALS, MATERIALS AND FUELS ON S. 23 AND S. 912, MARCH 12-22, 1970. Washington, DC; United States of America (USA); US Congress. Senate. Committee on Interior and Insular Affairs (1967). 133p.
USA;GEOTHERMAL RESOURCES;NATURAL STEAM; GEOTHERMAL FIELDS;LAND LEASING;LEGISLATION

3438 STATE, FEDERAL LAWMAKERS WEIGH GEOTHERMAL LEASING. Electr. World; 167: 38(6 Mar 1967).
GEOTHERMAL FIELDS;LAND LEASING;LEGAL ASPECTS; GEOTHERMAL ENERGY

3439 TAX COURT OF THE UNITED STATES. ARTHUR E. REICH AND CAROLYN G. REICH, ET AL., PETITIONERS V. COMMISSIONER OF INTERNAL REVENUE, RESPONDENT. 52 T. C. NO. 74. Tax Information Paper No. 1. Washington, DC; United States of America (USA); Geothermal Resources Council (1969). 19p.
Petitions for depletion allowance and deductions for costs of drilling and developing geothermal steam wells. TAXES;COST;WELL DRILLING;GEOTHERMAL RESOURCES;INDUSTRY;GEYSERS; GEOTHERMAL FIELDS;NATURAL STEAM;THERMAL WATERS

3440 GEOTHERMAL STEAM POSES OWNERSHIP QUESTIONS. Electr. World; 171: 24(17 Mar 1969).
GEOTHERMAL RESOURCES;LEGAL ASPECTS; GEOTHERMAL ENERGY;NATURAL STEAM

3441 GEOTHERMAL STEAM ACT OF 1970. EXPLOITATION AND DEVELOPMENT OF GEOTHERMAL STEAM RESOURCES. Publ. No. 91-581, Congress and Administration News. United States of America (USA); US Congress (1970). 11p.
GEOTHERMAL RESOURCES;LEGISLATION;NATURAL STEAM;THERMAL WATERS;EXPLOITATION;BRINES;LAND LEASING;GEOTHERMAL EXPLORATION

3442 GEOTHERMAL STEAM AND RESOURCES. Hearing before Subcommittee on Minerals, Materials, and Fuels, US Senate, 91st Congress, 2nd Session. Washington, DC; United States of America (USA); US Senate, Committee on Interior and Insular Affairs (Jul 1970).
NATURAL STEAM;GEOTHERMAL RESOURCES;LEGAL ASPECTS;POWER GENERATION;ENVIRONMENTAL IMPACT STATEMENTS;HEARINGS

3443 GEOTHERMAL RESOURCE DEVELOPMENT; REPORT TO ACCOMPANY S. 368. Washington, DC; United States of America (USA); US Congress. Senate. Committee on Interior and Insular Affairs (4 Sep 1970). 30p.
USA;GEOTHERMAL RESOURCES;LEGISLATION; EXPLOITATION

3444 AUTHORIZING THE SECRETARY OF THE INTERIOR TO MAKE DISPOSITION OF GEOTHERMAL STEAM AND ASSOCIATED GEOTHERMAL RESOURCES REPORT TO ACCOMPANY S. 368. Washington, DC; United States of America (USA); US Congress. House. Committee on Interior and Insular Affairs (30 Sep 1970). 22p.
USA;GEOTHERMAL RESOURCES;LEGISLATION;NATURAL STEAM;GEOTHERMAL ENERGY

3445 FREE ELECTRICITY; PLAN TO GET MORE ENERGY FROM HEAT INSIDE EARTH MOVES FORWARD A BIT (GEOTHERMAL STEAM ACT OF 1970). Large, A.J. Wall St. J.; 1+(10 Dec 1970).
GEOTHERMAL ENERGY;NATURAL STEAM;POWER GENERATION;ELECTRIC POWER;LEGISLATION

3446 CLASSIFICATION OF PUBLIC LANDS VALUABLE FOR GEOTHERMAL STEAM AND ASSOCIATED GEOTHERMAL RESOURCES. Godwin, L.H.; Haigler, L.B.; Rioux, R.L.; White, D.E.; Muffler, L.J.P. Geological Survey Circular 647. Washington, DC; US Geological Survey (1971). 18p.
Geothermal steam act of 1970. USA;GEOTHERMAL RESOURCES;LEGAL ASPECTS;LEGISLATION;HOT SPRINGS; THERMAL WATERS;GROUND WATER;STEAM

3447 COMMENTS ON DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE FEDERAL GEOTHERMAL LEASING PROGRAMS. Finn, D.F.X. New York; United States of America (USA); Geothermal Energy Institute (1971). 575p.
GEOTHERMAL FIELDS;USA;LAND LEASING; ENVIRONMENTAL IMPACT STATEMENTS

3448 GEOTHERMAL SCIENCE AND TECHNOLOGY: A NATIONAL PROGRAM. Austin, G.F.; Austin, W.H. Jr.; Leonard, G.W. pp 341-461 of Geothermal energy resources and research. China Lake, CA; Department of Defense (1971).
GEOTHERMAL ENERGY;CALIFORNIA;REVIEWS; RESEARCH PROGRAMS;COST;POWER GENERATION;HEAT; HEARINGS;GEOTHERMAL RESOURCES;USA

3449 GEOTHERMAL STEAM ACT OF 1970; PROCEDURE TO BE FOLLOWED IN CLAIMING RIGHTS. Federal Register; 623(15 Jan 1971).
USA;GEOTHERMAL RESOURCES;LEGISLATION

3450 S. 564, TO ESTABLISH A FIVE-YEAR GEOTHERMAL RESEARCH PROGRAM; TEXT; STATEMENT. Congressional Record, 3 Feb 1971, S757-58. Washington, DC; United States of America (USA); US Congress. Senate (3 Feb 1971).
USA;GEOTHERMAL ENERGY;RESEARCH PROGRAMS; LEGISLATION

3451 GEOTHERMAL STEAM ACT OF 1970: KNOWN GEOTHERMAL RESOURCES AREAS; PARTIAL LIST. (US Dept. Interior. Geol. Surv.). Federal Register; vp(Mar-Apr 1971).
USA;GEOTHERMAL RESOURCES;LEGISLATION

3452 S. CON. RES. 29, TO EXPRESS THE SENSE OF CONGRESS THAT THE BUREAU OF RECLAMATION SHOULD ACCELERATE ITS INVESTIGATIONS OF GEOTHERMAL RESOURCES AS A POTENTIAL MAJOR NEW SOURCE OF WATER SUPPLIES FOR THE WESTERN UNITED STATES; TEXT; STATEMENT. Congressional Record, 7 Jun 1971; S8402-04. Washington, DC; United States of America (USA); US Congress. Senate (7 Jun 1971).
USA;WATER RESOURCES;GEOTHERMAL RESOURCES; LEGISLATION

3453 GEOTHERMAL RESOURCES LEASING AND OPERATIONS ON PUBLIC, ACQUIRED, AND WITHDRAWN LANDS; NOTICE OF PROPOSED RULE MAKING. (US Dept. Interior, Washington, DC). Federal Register; 13722-40(23 Jul 1971).
USA;GEOTHERMAL RESOURCES;LEGISLATION;LAND LEASING;EXPLOITATION;GEOTHERMAL ENERGY; GEOTHERMAL FIELDS;PUBLIC LANDS

3454 GEOTHERMAL ENERGY RESOURCES AND RESEARCH. HEARINGS BEFORE THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, PURSUANT TO S. RES. 45, A NATIONAL FUELS AND ENERGY POLICY STUDY, NINETY-SECOND CONGRESS, SECOND SESSION ON THE ROLE OF GEOTHERMAL ENERGY RESOURCES IN OUR NATION'S FUTURE ENERGY ECONOMY, JUNE 15 AND 22, 1972. Washigton, DC; Committee on Interior and Insular Affairs (1972). 480p. GPO$2.75.
GEOTHERMAL ENERGY;LEGAL ASPECTS;GEOTHERMAL RESOURCES;LAND LEASING;ENVIRONMENTAL EFFECTS; FORECASTING;HEARINGS;USA;ENERGY POLICY

3455 REVIEW OF SOME OF THE LEGAL PROBLEMS IN GEOTHERMAL DEVELOPMENT. Aidlin, J.W. pp 69-77 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
USA;GEOTHERMAL ENERGY;LEGISLATION;LEGAL ASPECTS;LAWS

3456 FEDERAL GOVERNMENT LEASING AND OPERATING REGULATIONS AND ENVIRONMENTAL IMPACT STATEMENTS. Stone, R.T. pp 5-9 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
USA;GEOTHERMAL ENERGY;LAND LEASING; LEGISLATION;ENVIRONMENTAL IMPACT STATEMENTS; GEOTHERMAL RESOURCES

3457 GEOTHERMAL ENERGY RESOURCES AND RESEARCH. HEARINGS PURSUANT TO S. RES. 45, A NATIONAL FUELS AND ENERGY POLICY STUDY, ON THE ROLE OF GEOTHERMAL ENERGY RESOURCES IN OUR NATION'S FUTURE ENERGY ECONOMY, JUNE 15 AND 22, 1972. Congressional Committee Print No. 92-31. Washington, DC; United States of America (USA); Committee on Interior and Insular Affairs (1972). 465p. GPO $2.75.
GEOTHERMAL RESOURCES;HEARINGS;GOVERNMENT POLICIES;USA;POWER GENERATION

3458 GEOTHERMAL RESEARCH. pp 577-85 of Inventory of energy research (by Oak Ridge National Laboratory). Washington, DC; US Congress. House. Committee on Science and Astronautics. Subcommittee on Science, Research, and Development. Task Force on Energy (Mar 1972).
GEOTHERMAL ENERGY;USA;RESEARCH PROGRAMS; LEGISLATION

3459 LEGAL AND POLICY ASPECTS OF GEOTHERMAL RESOURCE DEVELOPMENT. Allen, D.R. (Duncan, Allen and Mitchell, Washington, DC). Water Resources Bulletin, Paper 72022; 8: No. 2, 250-

256(Apr 1972).
GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;WATER RESOURCES;USES;LEGAL ASPECTS;PLANNING;POWER GENERATION;ENERGY POLICY

3460 H.R. 14801, TO PROMOTE THE EXPLORATION AND DEVELOPMENT OF GEOTHERMAL RESOURCES THROUGH COOPERATION BETWEEN THE FEDERAL GOVERNMENT AND PRIVATE ENTERPRISE; TEXT. Congressional Record, 4 May 1972, H4142. Washington, DC; United States of America (USA); US Congress, House (4 May 1972).
GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; EXPLOITATION;LEGISLATION;USA;GEOTHERMAL RESOURCES

3461 UNITED STATES GEOTHERMAL LEGISLATION AND ENVIRONMENTAL IMPACT FOR LEASING. Geothermics; 1: No. 4, 146-63(Dec 1972).
USA;LEGISLATION;ENVIRONMENTAL EFFECTS; GEOTHERMAL ENERGY

3462 FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM. VOLUME I. Washington; US Dept. Interior (1973). 421p. GPO $4.20.
GEOTHERMAL RESOURCES;REGULATIONS; ENVIRONMENTAL EFFECTS;LAND LEASING;MINERALS; MANAGEMENT;WATER RESOURCES;ECOSYSTEMS;USA

3463 FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM. VOLUME II. Washington; US Dept. Interior (1973). 513p. GPO $5.85.
GEOTHERMAL RESOURCES;ENVIRONMENTAL EFFECTS; LAND LEASING;CALIFORNIA;GEYSERS GEOTHERMAL FIELD;IMPERIAL VALLEY;GASEOUS WASTES;MINERALS; GROUND SUBSIDENCE;GEOTHERMAL POWER PLANTS;WATER RESOURCES

3464 FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM. VOLUME III. Washington; US Dept. Interior (1973). 686p. GPO $5.60.
REGULATIONS;LAND LEASING;GEOTHERMAL RESOURCES;DRY-STEAM SYSTEMS;OPERATION; ENVIRONMENTAL EFFECTS

3465 FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM. VOLUME IV. Washington; US Dept. Interior (1973). 720p. GPO $5.65.
LAND LEASING;REGULATIONS;OPERATION; ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES; HEARINGS

3466 ROLE OF STATE GOVERNMENT IN THE DEVELOPMENT OF A GEOTHERMAL RESOURCE. Everitts, D.J. (California State Lands Div., Los Angeles). AIChE Symp. Ser.; 69: No. 129, 453-8(1973).
CALIFORNIA;GEOTHERMAL RESOURCES;REGULATIONS; WATER RESOURCES;MINERALS;INORGANIC COMPOUNDS

3467 GEOTHERMAL ENERGY. HEARINGS BEFORE THE NINETY-SECOND CONGRESS, FIRST SESSION, U. S. HOUSE OF REPRESENTATIVES, COMMITTEE ON SCIENCE AND ASTRONAUTICS, SUBCOMMITTEE ON ENERGY. Congressional Commitee Print No. 21. Washington, DC; Committee on Science and Astronautics (1973). 382p. GPO.
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; RESEARCH PROGRAMS;GOVERNMENT POLICIES; GEOTHERMAL RESOURCES;HEARINGS;ENERGY POLICY

3468 POTENTIAL FOR ENERGY PRODUCTION FROM GEOTHERMAL RESOURCES. REPORT OF THE SUBCOMMITTEE ON WATER AND POWER RESOURCES, COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, NINETY-THIRD CONGRESS, FIRST SESSION, DECEMBER 1973. Washington, DC; Joint Economic Committee (1973). 47p. GPO $0.50.
LEGAL ASPECTS;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;RECOMMENDATIONS;DRY-STEAM SYSTEMS; POWER POTENTIAL;HOT-WATER SYSTEMS;USA; GEOTHERMAL EXPLORATION;GEOPRESSURED SYSTEMS;HOT-DRY-ROCK SYSTEMS;BRINES;ENVIRONMENTAL EFFECTS; FORECASTING;HEARINGS

3469 GEOTHERMAL ENERGY. HEARINGS BEFORE THE SUBCOMMITTEE ON ENERGY OF THE COMMITTEE ON SCIENCE AND ASTRONAUTICS, UNITED STATES HOUSE OF REPRESENTATIVES, NINETY-THIRD CONGRESS, FIRST SESSION ON H.R. 8628, H.R. 9658, SEPTEMBER 11, 13, AND 18, 1973. Washington, DC; Committee on Science and Astronautics (1973). 386p. GPO.
GEOTHERMAL ENERGY;LEGAL ASPECTS;MEETINGS; ECONOMICS;GEOTHERMAL EXPLORATION;ENERGY SOURCES; HEATING;ENERGY POLICY;ENERGY RESERVES;HEARINGS; USA

3470 PUBLIC AND GEOLOGY-RELATED LEGISLATION IN CALIFORNIA, 1968-1972. Slosson, J.E.; Hauge, C.J. Geology, seismicity, and environmental impact, p. 23-27. Los Angeles, Calif.; Assoc. Eng. Geol. (1973).
CALIFORNIA;LEGISLATION;GEOTHERMAL ENERGY; GEOLOGY;EARTHQUAKES;MINING

3471 GEOTHERMAL ENERGY. CONGRESSIONAL COMMITTEE PRINT. Committee Print No. 21. Washington; United States of America (USA); U. S. House of Representatives, Committee on Science and Astronautics, Subcommittee on Energy (1973). 382p.
HEARINGS;GEOTHERMAL POWER PLANTS;POWER GENERATION;GOVERNMENT POLICIES;GEOTHERMAL RESOURCES;RESEARCH PROGRAMS;GEOTHERMAL ENERGY; NATIONAL SCIENCE FOUNDATION

3472 MEMORANDUM OF DECISION. IN THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF CALIFORNIA, UNITED STATES OF AMERICA, PLAINTIFF, V. UNION OIL COMPANY OF CALIFORNIA, A CALIFORNIA CORPORATION, ET AL., DEFENDANTS. CIVIL NO. 72-1866 GBH. Tax Information Paper No. 3. Washington, DC; United States of America (USA); Geothermal Resources Council (1973). 18p.
Ownership rights of geothermal resources in Sonoma County, California. LEGAL ASPECTS; GEOTHERMAL RESOURCES;INDUSTRY;USA;CALIFORNIA

3473 S.1283, NATIONAL ENERGY RESEARCH AND DEVELOPMENT POLICY ACT OF 1973. Jackson, H.M. Washington, DC; United States of America (USA); US Senate, Committee on Interior and Insular Affairs (Mar 1973). 59p.
From Proceedings and Debates of the 93rd Congress, First Session; Washington, DC (Monday, 19 Mar 1973).
USA;ENERGY POLICY;RESEARCH PROGRAMS; LEGISLATION;SHALE OIL;COAL GASIFICATION; GEOTHERMAL ENERGY;COAL LIQUEFACTION;ENERGY SOURCES;ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

3474 GEOTHERMAL EXPLORATION ON PUBLIC LANDS: WHEN AND UNDER WHAT CONDITIONS. Bowen, R.G. Geotherm. Energy Mag.; 1: No. 1, 25-26(Aug 1973).
USA. GEOTHERMAL ENERGY;LAND LEASING;

GEOTHERMAL EXPLORATION;ENERGY SOURCES;LEGAL ASPECTS;USA;GEOTHERMAL RESOURCES

3475 GEOTHERMAL: THE PROBLEM OF DEFINITION. Summers, W.K. Geotherm. Energy Mag.; 1: No. 1, 29-33(Aug 1973).
GEOTHERMAL ENERGY;LEGAL ASPECTS;ELECTRIC POWER

3476 INTERRELATIONSHIP BETWEEN FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES ON THE DEVELOPMENT OF THE GEOTHERMAL RESOURCE IN CALIFORNIA. Cahraman, T.H. (Univ. Calif., Riverside). pp 104-40 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
IMPERIAL VALLEY;CALIFORNIA;GEOTHERMAL RESOURCES;EXPLOITATION;LEGAL ASPECTS;GEOTHERMAL ENERGY;REGULATIONS;GEOTHERMAL EXPLORATION;WELL DRILLING;ENVIRONMENTAL EFFECTS;LAND LEASING; GEOTHERMAL WELLS;BOREHOLES;ENVIRONMENT; POLLUTION;WASTE DISPOSAL;BRINES;GEOTHERMAL POWER PLANTS;ENVIRONMENTAL IMPACT STATEMENTS

3477 FLOW CHART OF CRITICAL PATH IN GEOTHERMAL EXPLORATION. Anderson, D. (Div. Oil and Gas, State of Calif.). pp 141-3 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
GEOTHERMAL EXPLORATION;GEOLOGICAL SURVEYS; GEOCHEMICAL SURVEYS;GEOPHYSICAL SURVEYS;LAND LEASING;BOREHOLES;WELL DRILLING;GEOTHERMAL WELLS;OPERATION;GEOTHERMAL POWER PLANTS;SPACE HEATING;MINERALS;WATER;RECOVERY;REGULATIONS; LEGAL ASPECTS;DIAGRAMS;USA

3478 FEDERAL GEOTHERMAL STEAM ACT OF 1970: PUBLIC LAW 91-581. pp 145-53 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
GEOTHERMAL ENERGY;LEGISLATION;USA;LAND LEASING;GEOTHERMAL FLUIDS;LAND USE;WASTE DISPOSAL;PUBLIC LANDS;GEOTHERMAL RESOURCES

3479 PROPOSED RULE MAKING: GEOTHERMAL RESOURCES - LEASING ON PUBLIC, ACQUIRED AND WITHDRAWN LANDS; REVISION OF PROPOSED RULE. pp 155-71 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
USA;GEOTHERMAL RESOURCES;LEGISLATION; PLANNING;LAND LEASING;GEOTHERMAL FIELDS;LAND USE;GEOTHERMAL EXPLORATION;PUBLIC LANDS

3480 GEOTHERMAL RESOURCES - OPERATIONS ON PUBLIC, ACQUIRED AND WITHDRAWN LANDS; NOTICE OF PROPOSED RULEMAKING. pp 172-86 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
USA;GEOTHERMAL RESOURCES;LAND USE; LEGISLATION;PLANNING;WELL DRILLING; ENVIRONMENTAL EFFECTS;POLLUTION;SAFETY; FINANCING;GEOTHERMAL WELLS;OPERATION;PUBLIC LANDS;LAND RECLAMATION

3481 LEASING ON PUBLIC, ACQUIRED AND WITHDRAWN LANDS; REVISION OF PROPOSED RULE. pp 188-220 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
USA;GEOTHERMAL RESOURCES;LAND LEASING; LEGISLATION;PLANNING;GEOTHERMAL EXPLORATION; GEOTHERMAL WELLS;OPERATION;REGULATIONS; FINANCING;PUBLIC LANDS

3482 CALIFORNIA PUBLIC RESOURCES CODE: STATUTES PERTAINING TO GEOTHERMAL RESOURCES. pp 222-49 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
CALIFORNIA;GEOTHERMAL RESOURCES;LEGISLATION; PUBLIC LANDS;GEOTHERMAL EXPLORATION;WELL DRILLING;GEOTHERMAL WELLS;OPERATION;ENVIRONMENT; POLLUTION;WASTE MANAGEMENT;FINANCING; REGULATIONS

3483 ADMINISTRATIVE LAWS OF CALIFORNIA'S STATE LAND COMMISSION; REGULATIONS PERTAINING TO GEOTHERMAL RESOURCES. pp 251-8 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
CALIFORNIA;PUBLIC LANDS;GEOTHERMAL RESOURCES; LEGISLATION;REGULATIONS;GEOTHERMAL WELLS;WELL DRILLING;OPERATION;WASTE MANAGEMENT;GEOTHERMAL EXPLORATION;LAND LEASING;LICENSING;LAWS

3484 ADMINISTRATIVE LAW OF CALIFORNIA'S RESOURCES AGENCY: PORTION OF THE DIRECTIONS FOR PREPARING ENVIRONMENTAL IMPACT REPORTS. pp 260 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
CALIFORNIA;LEGISLATION;ENVIRONMENTAL IMPACT STATEMENTS;GEOTHERMAL RESOURCES;REGULATIONS

3485 TERMS, CONDITIONS, STANDARDS, AND APPLICATION PROCEDURES FOR INITIAL GEOTHERMAL DEVELOPMENT: IMPERIAL COUNTY, CALIFORNIA. pp 263-82 of Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
GEOTHERMAL ENERGY;LEGISLATION;IMPERIAL VALLEY;GEOTHERMAL RESOURCES;GEOTHERMAL WELLS; WELL DRILLING;OPERATION;FINANCING;LICENSING; WASTE MANAGEMENT;ENVIRONMENT;POLLUTION;LAND USE; GEOTHERMAL POWER PLANTS;PLANNING;CALIFORNIA; REGULATIONS

3486 MAJORITY OPINION IN THE REICH CASE: QUESTION OF DEPLETION. pp 284-301 of

Proceedings of National Conference on Geothermal Energy, May 10-11, 1973, Palm Springs, California. Volume II. Leh, M. (ed.). Riverside; Univ. Calif. (Aug 1973).
From National Conference on Geothermal Energy; Palm Springs, CA (10-11 May 1973).
GEOTHERMAL WELLS;OPERATION;FINANCING;LEGAL ASPECTS;TAXES;WELL DRILLING;COST;GEYSERS GEOTHERMAL FIELD;NATURAL STEAM

3487 DEPARTMENT OF THE INTERIOR FINAL STATEMENT. pp 135-40 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
US policy on land leasing for geothermal energy development. USA;GEOTHERMAL FIELDS;LAND LEASING;LEGISLATION;GEOTHERMAL RESOURCES; MINERALS;ENVIRONMENT;MANAGEMENT;GEOTHERMAL EXPLORATION

3488 IDAHO LEGISLATURE. pp 213-19 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
IDAHO;GEOTHERMAL RESOURCES;LEGISLATION; REGULATIONS;LEGAL ASPECTS;GEOTHERMAL EXPLORATION;WELL DRILLING;GEOTHERMAL WELLS; OPERATION;LICENSING

3489 INTERRELATIONSHIP BETWEEN FEDERAL, STATE AND LOCAL REGULATORY AGENCIES. Cahrman, T.H. (Univ. Calif., Riverside). pp 220-34 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
For exploration and exploitation of US geothermal resources. GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;LEGAL ASPECTS;REGULATIONS;USA; GEOTHERMAL EXPLORATION;GEOTHERMAL WELLS; OPERATION;LAND LEASING;GEOTHERMAL POWER PLANTS; LICENSING

3490 FEDERAL TAX POLICY AND GEOTHERMAL ENERGY DEVELOPMENT. Finn, D.F.X. Geotherm. Energy Mag.; 1: No. 3, 39-42(Oct 1973).
LEGAL ASPECTS;GEOTHERMAL ENERGY;EXPLORATION; PLANNING;ECONOMICS;PRODUCTION;NATURAL GAS; PETROLEUM;COAL;URANIUM ORES;GEOLOGY

3491 GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION ACT OF 1974. SUBMITTED BY MR. TEAGUE, COMMITTEE ON SCIENCE AND ASTRONAUTICS, TO THE HOUSE OF REPRESENTATIVES, NINETY-THIRD CONGRESS, SECOND SESSION. Washington, DC; Committee on Science and Astronautics (1974). 41p. GPO.
GEOTHERMAL ENERGY;LAWS;LEGAL ASPECTS; RESEARCH PROGRAMS;ECONOMICS;ELECTRIC POWER; POWER GENERATION

3492 GEOTHERMAL RESOURCES. HEARINGS BEFORE THE SUBCOMMITTEE ON WATER AND POWER RESOURCES OF THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, FIRST SESSION ON THE POENTIAL FOR THE PRODUCTION OF POWER FROM GEOTHERMAL RESOURCES. Washington, DC; Committee on Interior and Insular Affairs (1974). 485p. GPO.
GEOTHERMAL RESOURCES;ELECTRIC POWER;LEGAL ASPECTS;RECOMMENDATIONS;PLANNING;GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS;HEARINGS;USA; POWER POTENTIAL;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

3493 ULTIMATE FUTURE OF THE GEOTHERMAL ENERGY LAW. Sheets, G.M. Geotherm. Energy Mag.; 2: No. 3, 59-61(1974).
GEOTHERMAL ENERGY;LEGISLATION;EXPLOITATION

3494 GOVERNMENTAL LEASING REGULATIONS. Stone, R.T. (Dept. of the Interior, Washington, DC). pp 89-90 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
GEOTHERMAL RESOURCES;LEASES;REGULATIONS; GOVERNMENT POLICIES;LEGAL ASPECTS;LAND LEASING

3495 GEOTHERMAL RESOURCES: LEGAL AND TAX CONSIDERATIONS. Burton, W.A. Jr. (Chevron Oil Co., Denver). pp 71-78 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
GEOTHERMAL RESOURCES;LEGAL ASPECTS; MANAGEMENT;TAXES;REGULATIONS;LAWS;GOVERNMENT POLICIES

3496 RULES AND REGULATIONS RELATING TO GEOTHERMAL LEASES ON COLORADO STATE OWNED LANDS. Bretz, T.E. (Colorado State Board of Land Commissioners, Denver). pp 91-96 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
COLORADO;GEOTHERMAL RESOURCES;REGULATIONS; LAND LEASING;GOVERNMENT POLICIES

3497 GEOTHERMAL LAWS AND REGULATIONS IN THE WESTERN UNITED STATES. Anderson, D.N. (ed.). (California State, Division of Oil and Gas). pp 697-705 of Geothermal Resources. Part I and II. Washington, DC; Committee on Interior and Insular Affairs (1974).
GEOTHERMAL ENERGY;REGULATIONS;LEGISLATION; HAWAII;ALASKA;GEOTHERMAL RESOURCES;ARIZONA; CALIFORNIA;COLORADO;IDAHO;MONTANA;NEVADA;NEW MEXICO;OREGON;UTAH;WASHINGTON;WYOMING;ENERGY POLICY

3498 IMPACT OF STATE AND FEDERAL LAW ON DEVELOPMENT OF GEOTHERMAL RESOURCES IN TEXAS. Edwards, T. Project L/R-9. Austin, TX; United States of America (USA); State of Texas Governor's Energy Advisory Council (1974). 53p. Legal and Regulatory Policy Committee, P.O. Box 12548, Capitol Station, Austin, TX 78711.
GEOTHERMAL ENERGY;REGULATIONS;ENERGY POLICY; LAWS;LEGAL ASPECTS;TEXAS;CAPITAL;BY-PRODUCTS; AVAILABILITY;WATER RESOURCES;GEOLOGICAL SURVEYS; EXPLORATION;OVERBURDEN;METHANE;RECOVERY; AGRICULTURE;INDUSTRY

3499 GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT, AND COMMERCIAL DEMONSTRATION ACT OF 1973; GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION ACT OF 1974. HEARINGS BEFORE THE SUBCOMMITTEE ON ENERGY OF THE COMMITTEE ON SCIENCE AND ASTRONAUTICS, U.S. HOUSE OF REPRESENTATIVES, NINETY-THIRD CONGRESS, SECOND SESSION ON H.R.11212 AND H.R.14172. Congressional Committee Print No. 29. Washington, DC; USA; Committee on Science and Astronautics (1974). 544p.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS; GOVERNMENT POLICIES;LEGISLATION;ENERGY POLICY; FINANCING

3500 DEVELOPMENT OF GEOTHERMAL LAWS AND REGULATIONS. Aidlin, J.W. pp vp. of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
State statutes and regulations, Federal Geothermal Steam Act. GEOTHERMAL ENERGY; REGULATIONS;LAWS;ALASKA;ARIZONA;CALIFORNIA; COLORADO;HAWAII;IDAHO;MONTANA;NEVADA;NEW MEXICO; OREGON;UTAH;WASHINGTON;WYOMING;TAXES

3501 FEDERAL REGULATIONS AND LEASE TERMS AND THEIR REGULATIONSHIP TO STATE LAWS AND REGULATIONS. Conover, R.D. (Dept. of Interior, Riverside, CA). pp vp. of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
REGULATIONS;LAND LEASING;GEOTHERMAL RESOURCES;WATER;ENVIRONMENT;RESOURCE CONSERVATION

3502 A BREIF OUTLINE OF GEOTHERMAL REGULATORY AGENCIES IN THE WESTERN UNITED STATES. pp vp. of Geothermal regulations. v. Davis, CA; Geothermal Resources Council (1974).
USA;REGULATIONS;US ORGANIZATIONS;ALASKA; GOVERNMENT POLICIES;ARIZONA;CALIFORNIA;COLORADO; IDAHO;MONTANA;NEW MEXICO;NEVADA;OREGON;UTAH; WASHINGTON;WYOMING;GEOTHERMAL RESOURCES

3503 SELECTED PORTIONS OF CALIFORNIA STATE-WIDE GEOTHERMAL REGULATIONS. APPENDIX B. pp 33-49 of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
CALIFORNIA;REGULATIONS;GOVERNMENT POLICIES; GEOTHERMAL RESOURCES;LEGAL ASPECTS;WELL DRILLING;WELL CASINGS;BLOWOUTS;DRILLING FLUIDS; BOREHOLES;GEOTHERMAL WELLS

3504 PRELIMINARY REPORT ON LEGAL AND PUBLIC POLICY SETTING FOR GEOTHERMAL RESOURCE DEVELOPMENT IN HAWAII. Kamins, R.; Kornreich, D.; Sheets, G. Honolulu, HI; United States of America (USA); University of Hawaii (1974). 42p.
GOVERNMENT POLICIES;GEOTHERMAL RESOURCES; HAWAII;ECONOMICS;REGULATIONS;TAXES;LEGISLATION; GEOTHERMAL ENERGY

3505 GEOTHERMAL ENERGY EXPLORATION, RESEARCH, AND DEVELOPMENT. REPORT OF THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, SECOND SESSION TO ACCOMPANY S. 2465. Congressional Committee Print No. 93-849. Washington, DC; United States of America (USA); Committee on Interior and Insular Affairs (1974). 13p.
ENERGY POLICY;GOVERNMENT POLICIES;GEOTHERMAL ENERGY;LEGISLATION;FINANCING;GEOTHERMAL EXPLORATION;COST

3506 SUMMARY GUIDE TO THE INSTITUTIONAL PROBLEMS CONFRONTING THE GEOTHERMAL ENERGY INDUSTRY. Finn, D.X. pp 218-221 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
From Geological Society of America and Society of Economic Geologists annual meeting; Miami, Florida (18 Nov 1974).
TAXES;GEOTHERMAL ENERGY;INDUSTRY;LEGAL ASPECTS;LEGISLATION;POWER POTENTIAL

3507 LAW NEEDED FOR GEOTHERMAL ENERGY. Fannin, P. Public Util. Fortn.; 93: No. 3, 15-17(31 Jan 1974).
LAWS;GEOTHERMAL ENERGY;LEGAL ASPECTS; ABUNDANCE;USA;GEOTHERMAL EXPLORATION; ENVIRONMENT;COST

3508 DECISION STATEMENT OF SECRETARY OF INTERIOR ON GEOTHERMAL RESOURCES PROGRAM. Morton, R.C.B. Geotherm. Energy Mag.; 2: No. 2, 22-24(Feb 1974).
GEOTHERMAL RESOURCES;PRODUCTION;USA;ENERGY RESERVES;ENERGY SOURCES;ECONOMICS;ENVIRONMENT; REGULATIONS;LAWS;SAFEGUARDS;INDUSTRY;STANDARDS; GEOTHERMAL EXPLORATION;USA;LEGAL ASPECTS; GEOTHERMAL ENERGY

3509 ROTORUA CITY (NEW ZEALAND) REGULATIONS ON GEOTHERMAL ENERGY. Geothermics; 3: No. 1, 31-8(Mar 1974).
NEW ZEALAND;GEOTHERMAL ENERGY;REGULATIONS; LEGISLATION;SAFEGUARD REGULATIONS;TRANSPORT REGULATIONS

3510 GEOTHERMAL RESOURCES LEGAL AND TAX CONSIDERATIONS. Burton, W.A., Jr. (Chevron Oil Co., Western Div., Denver, CO). Geotherm. Energy Mag.; 2: No. 4, 21-4(Apr 1974).
GEOTHERMAL RESOURCES;LEGAL ASPECTS;LAND LEASING;TAXES

3511 GEOTHERMAL ENERGY EXPLORATION, RESEARCH AND DEVELOPMENT. SENATE REPORT NO. 93-849. Washington, DC; US Senate Committee on Interior and Insular Affairs (15 May 1974). 13p.
GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; RESEARCH PROGRAMS;HEARINGS;LEGAL ASPECTS; RECOMMENDATIONS;USA

3512 GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION ACT OF 1974. Report No. 93-1301. Washington, DC; US House of Representatives (19 Aug 1974). 26p.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;LEGAL ASPECTS;GOVERNMENT POLICIES

3513 PACKWOOD GEOTHERMAL BILL (SENATE BILL S. 3392). Packwood, R. Geotherm. Energy Mag.; 2: No. 9, 33-37(Sep 1974).
GEOTHERMAL ENERGY;LEGISLATION;USA

3514 HAWAII GEOTHERMAL LAW. Sheets, G.M. Geotherm. Energy Mag.; 2: No. 10, 26-27(Oct 1974).
HAWAII;GEOTHERMAL RESOURCES;LEGISLATION; MINERALS;ORES;GEOLOGIC DEPOSITS;MINING;PUBLIC LANDS

3515 FEDERAL ENERGY ADMINISTRATION HEARING ON WESTERN REGIONAL RESOURCE DEVELOPMENT. Aidlin, J.W. Geotherm. Energy Mag.; 2: No. 12, 24-28(Dec 1974).
GEOTHERMAL RESOURCES;HEARINGS;USA;GOVERNMENT POLICIES;LEGAL ASPECTS;US FEA;PROJECT INDEPENDENCE

3516 ERDA AUTHORIZATION. PART II. 1976 AND TRANSITION PERIOD: GEOTHERMAL. HEARINGS BEFORE THE SUBCOMMITTEE ON ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION OF THE COMMITTEE ON SCIENCE AND TECHNOLOGY, U.S. HOUSE OF REPRESENTATIVES, NINETY-FOURTH CONGRESS, FIRST SESSION. Washington, DC; United States of America (USA); Committee on Science and Technology (1975). 319p.
BUDGETS;GEOTHERMAL ENERGY;HEARINGS;US ERDA; RESEARCH PROGRAMS

3517 GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION ACT OF 1974. OVERSIGHT HEARINGS: LOAN GUARANTIES. HEARINGS BEFORE THE SUBCOMMITTEE ON ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION OF THE COMMITTEE ON SCIENCE AND TECHNOLOGY, U.S. HOUSE OF REPRESENTATIVES, NINETY-FOURTH CONGRESS, FIRST SESSION. Congressional Committee Print No. 31. Washington, DC; United States of America (USA); Committee on Science and Technology (1975). 692p.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS; LEGISLATION;MARKET;FINANCING;ENVIRONMENTAL IMPACT STATEMENTS;HEARINGS

3518 RECENT DEVELOPMENTS IN THE TAXATION OF GEOTHERMAL EXPLORATION. Eisenstat, S.M. Geotherm. Energy Mag.; 3: No. 1, 17(Jan 1975).
TAXES;GEOTHERMAL EXPLORATION;LEGISLATION;USA; FINANCING

3519 MAXIMUM AND TIMELY COMMERCIAL DEVELOPMENT OF DOMESTIC GEOTHERMAL ENERGY. Quillen, J.H. Geotherm. Energy Mag.; 3: No. 5, 28-31(May 1975).
GEOTHERMAL ENERGY;PROJECT INDEPENDENCE;US ERDA;RESERVES;RESEARCH PROGRAMS;GEOTHERMAL RESOURCES;LEGAL ASPECTS;LAND LEASING;PUBLIC LANDS;REGULATIONS;LEGISLATION

3520 REDUCING THE RISKS IN GEOTHERMAL EXPLORATION: A TAX UPDATE. Eisenstat, S.M. Geotherm. Energy Mag.; 3: No. 5, 93-94(May 1975).
GEOTHERMAL EXPLORATION;LEGISLATION; GEOTHERMAL RESOURCES;TAXES;PRODUCTION

3521 ADMINISTRATIVE REQUIREMENTS FOR DEVELOPMENT OF GEOTHERMAL RESOURCES. Lyons, T. Geotherm. Energy Mag.; 3: No. 9, 16-25(Sep 1975).
OREGON;GEOTHERMAL RESOURCES;LEGAL ASPECTS; LAND LEASING

3522 GEOTHERMAL FEDERAL LOAN GUARANTEE PROGRAM (FEDERAL REGISTER). Geotherm. Energy Mag.; 3: No. 11, 33-35; 37-39(Nov 1975).
US ERDA;FINANCING;REGULATIONS;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES

Economic and Financial Aspects

Refer also to citation(s) 109, 122, 127, 159, 214, 226, 413, 416, 3426, 3429, 3518, 3571, 3750, 3763, 3769, 3814, 3821, 3867, 3877, 4255, 4308

3523 (BM-IC--8230) GEOTHERMAL POWER - ECONOMIC EVALUATION. Kaufman, A. 1964. 24p.
GEOTHERMAL POWER PLANTS;COST;POWER GENERATION;ECONOMICS;USA;GEOTHERMAL ENERGY; POWER POTENTIAL

3524 (BNWL--1888) GEOCOST: A COMPUTER PROGRAM FOR GEOTHERMAL COST ANALYSIS. Bloomster, C.H.; Cohn, P.D.; De Steese, J.G.; Huber, H.D.; La Mori, P.N.; Shannon, D.W.; Sheff, J.R.; Walter, R.A. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). Feb 1975. Contract AT(45-1)-1830. 52p. Dep. NTIS $4.00.
GEOTHERMAL ENERGY CONVERSION;ECONOMICS; COMPUTER CODES;G CODES;COST BENEFIT ANALYSIS; ELECTRIC POWER;GEOTHERMAL POWER PLANTS;POWER GENERATION;COST

3525 (BNWL-SA--5378) ECONOMIC MODEL FOR GEOTHERMAL COST ANALYSIS. Bloomster, C.H. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). May 1975. Contract AT(45-1)-1830. 29p. Dep. NTIS $4.50.
From 2. U.N. symposium on the development and use of geothermal resources; San Francisco, CA (20 May 1975).
GEOCOST, program for rapid and systematic calculations. GEOTHERMAL RESOURCES;EXPLORATION; GEOTHERMAL POWER PLANTS;ECONOMETRICS;BINARY CYCLES;TWO-PHASE FLOW;WELL DRILLING;DESIGN; CONSTRUCTION;OPERATION;GEOTHERMAL ENERGY;COST

3526 (CONF-750612--, pp 267-279) ECONOMIC ANALYSIS OF THE USE OF TEXAS GEOPRESSURED GEOTHERMAL RESOURCES FOR THE PRODUCTION OF ELECTRICAL POWER. Wilson, J.S. (Dow Chemical Co., Freeport, TX); Shepherd, B.P.; Kaufman, S. 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
ECONOMICS;TEXAS;GEOTHERMAL RESOURCES; GEOPRESSURED SYSTEMS;FLASHED STEAM SYSTEM; BINARY-FLUID SYSTEMS;GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY CONVERSION;COST;METHANE;USA

3527 (NSF/RA/N--74-159, pp 292-300) INVESTMENT AND OPERATING COSTS OF BINARY CYCLE GEOTHERMAL POWER PLANTS. Holt, B.; Brugman, J. (Ben Holt Co., Pasadena, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL POWER PLANTS;BINARY CYCLES;HOT-WATER SYSTEMS;COST;OPERATION;DESIGN; OPTIMIZATION;ELECTRIC POWER;HEAT;ECONOMICS

3528 (PB--218830, pp 72) ENERGY COMPANY: A MONOPOLY TREND IN THE ENERGY MARKETS. Netschert, B.C. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USA;ENERGY SUPPLIES;MARKET;ECONOMICS; INDUSTRY;COST;ELECTRIC POWER;RECOMMENDATIONS; REGULATIONS;GOVERNMENT POLICIES

3529 (UCRL--77031) ECONOMICS OF GEOTHERMAL HEAT AS AN ALTERNATE FUEL . Towse, D. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Sep 1975. 22p. (CONF-750946--1). Dep. NTIS $4.25.
GEOTHERMAL ENERGY;ECONOMICS;COST;ELECTRIC POWER;POWER GENERATION

3530 GEOTHERMAL ENERGY IN TUSCANY. Marinelli, G. Soc. Geol. Belgique Bull.; 85: No. 10, 8417-38(1963). (In English and Spanish).
Economic importance. ITALY;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER GENERATION; ELECTRIC POWER;GEOLOGY;HOT SPRINGS; MINERALIZATION;GEOTHERMAL FLUIDS;GEOTHERMAL FIELDS;ECONOMICS

3531 GEOTHERMAL POWER ECONOMICS. Facca, G.; Ten Dam, A. Italy; Cons. Naz. Ric. Comm. Geoterm. Italiana (1963). 37p.

GEOTHERMAL POWER PLANTS;POWER GENERATION; ECONOMICS;POWER PLANTS;NUCLEAR POWER PLANTS; COMPARATIVE EVALUATIONS;GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL ENERGY

3532 GEOTHERMAL ENERGY EXPLORATION. Facca, G. Cons. Naz. Ric.; 155-67(1963).
GEOTHERMAL EXPLORATION;ECONOMICS;LARDERELLO GEOTHERMAL FIELD;WAIRAKEI GEOTHERMAL FIELD; GEYSERS GEOTHERMAL FIELD;NATURAL STEAM;POWER GENERATION;GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY

3533 GEOTHERMAL POWER, AN ECONOMIC EVALUATION. Kaufman, A.B. Information Circ. No. 8230. Washington, DC; US Bureau of Mines (1964). 24p.
GEOTHERMAL ENERGY;ECONOMICS;POWER GENERATION; ELECTRIC POWER;USA;NATURAL STEAM;VOLCANIC REGIONS;COST

3534 ECONOMIC APPRAISAL OF GEOTHERMAL POWER. Kaufman, A.B. Min. Eng. (London); 16: 62-6(1964).
GEOTHERMAL ENERGY;ECONOMICS;ELECTRIC POWER; REVIEWS

3535 ECONOMIC APPRAISAL OF GEOTHERMAL POWER. Kaufman, A. Min. Eng. (London); 16: No. 9, 62-6(Sep 1964).
WAIRAKEI GEOTHERMAL FIELD;LARDERELLO GEOTHERMAL FIELD;GEYSERS GEOTHERMAL FIELD;COST; GEOTHERMAL POWER PLANTS;ECONOMICS;GEOTHERMAL ENERGY

3536 GEOTHERMAL POWER ECONOMICS. Facca, G.; Ten Dam, A. Revised Edition. Los Angeles; United States of America (USA); Worldwide Geothermal Exploration Co. (Sep 1964). 45p.
ECONOMICS;ELECTRIC POWER;POWER GENERATION; GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

3537 HEAVY INVESTMENT IN JAPAN'S ELECTRICAL INDUSTRY. Elect. Times (GB); 154: No. 4018, 890(26 Dec 1968).
JAPAN;ELECTRIC POWER;POWER PLANTS;INVESTMENT; INDUSTRY;ECONOMICS

3538 ECONOMICS OF NATURAL DRY STEAM FOR ELECTRICITY GENERATION, THE GEYSERS GEOTHERMAL FIELD, SONOMA COUNTY, CALIFORNIA. Kornfeld, J.A. pp 33-34 of Symposium on volcanoes and their roots, Oxford 1969. Oxford; Int. Ass. Volcanol. Chem. Earth's Interior, Oxford, Univ., Dep. Geol. Mineral. (1969).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ECONOMICS;ELECTRIC POWER;POWER GENERATION;DRY-STEAM SYSTEMS

3539 COST ANALYSIS ON GEOTHERMAL POWER. Hayashida, T. (Research Div., Kyushu Electric Power Co., Inc., Fukuoka, Japan). Geothermics; No. 2, 950-7(1970).
ECONOMICS;COST;GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;PRODUCTIVITY

3540 ECONOMICS OF GEOTHERMAL POWER IN THE UNITED STATES. Kaufman, A. (Director, Office of Economic Research, Public Serv. Com., Albany, NY). Geothermics; No. 2, 967p.(1970).
GEOTHERMAL ENERGY;ECONOMICS;USA;GEYSERS; CALIFORNIA;FORECASTING;ELECTRIC POWER;LEGAL ASPECTS;ENVIRONMENTAL EFFECTS;POLLUTION

3541 ECONOMICS OF GEOTHERMAL ENERGY. Leardini, T. (ENEL, Direzione Studi e Ricerche, Roma, Italie). Geothermics; No. 2, 958-66(1970).
ECONOMICS;GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;COST;OPERATION;MAINTENANCE;EQUIPMENT; ITALY

3542 TECHNICAL--ECONOMIC ESTIMATION OF GEOTHERMAL RESOURCES. Krennjov, O.A.; Zhuravlenko, V.J.; Shurtshkov, A.V. (Inst. of Tech. Thermophysics, Kiev, USSR). Geothermics; Special Issue 2: 1688-96(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL RESOURCES;THERMAL WATERS; ECONOMICS;GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS;HEATING;WELL DRILLING;FUELS;COMPARATIVE EVALUATIONS;GEOTHERMAL ENERGY;POWER GENERATION

3543 ECONOMICS OF THE SMALL GEOTHERMAL POWER STATION. James, R. (Chem. Div., DSIR, Wairakei, New Zealand). Geothermics; Special Issue 2: 1697-1704(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL POWER PLANTS;ECONOMICS;NEW ZEALAND;GEOTHERMAL WELLS;HOT-WATER SYSTEMS; HEATING;POWER GENERATION

3544 ECONOMICS OF THE GEYSERS GEOTHERMAL FIELD, CALIFORNIA. McMillan, D.A., Jr. (Thermal Power Co., San Francisco, CA). Geothermics; Special Issue 2: 1705-14(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEYSERS GEOTHERMAL FIELD;ECONOMICS; GEOTHERMAL POWER PLANTS

3545 WAIRAKEI POWER STATION, NEW ZEALAND: ECONOMIC FACTORS OF DEVELOPMENT AND OPERATION. Smith, J.H. (Ministry of Works, Wellington, New Zealand); McKenzie, G.R. (Electricity Dept., Wellington, New Zealand). Geothermics; Special Issue 2: 1717-23(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;WELL DRILLING;NEW ZEALAND;MAINTENANCE; OPERATION;ECONOMICS

3546 ECONOMICS OF GEOTHERMAL ELECTRIC POWER GENERATION AT MATSUKAWA. Nakamura, S. (Exploitation Dept., Japan Metals and Chemicals Co., Ltd., Tokyo, Japan). Geothermics; Special Issue 2: 1715-16(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
MATSUKAWA GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ECONOMICS;POWER GENERATION;JAPAN

3547 ECONOMICS OF GEOTHERMAL POWER. Bradbury, J.J.C. (Dept. of Economic and Social Affairs). pp 46-54 of Natural resources forum. Vol. I. New York; United Nations (1971).
GEOTHERMAL ENERGY;ECONOMICS;GEOTHERMAL EXPLORATION;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS;PIPELINES;COST;DRILLING

3548 ECONOMIC APPRAISAL OF GEOTHERMAL ENERGY. Kaufman, A. Public Util. Fortn.; 88: No. 7,

19-23(30 Sep 1971).
GEOTHERMAL ENERGY;ECONOMICS;WASTE DISPOSAL; GEOTHERMAL RESOURCES

3549 GEOTHERMAL ENERGY, ITS FUTURE AND ECONOMICS. Horvath, J.C.; Chaffin, R.L. (Georgia State Univ., School of Business Administration). Atlanta Econ. Rev.; 21: No. 12, 15-33(Dec 1971).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;LEGAL ASPECTS;DRILLING;EXPLOSIVE STIMULATION; GEOTHERMAL EXPLORATION;NUCLEAR EXPLOSIVES; ECONOMICS;USES;ENVIRONMENTAL EFFECTS;USA; REVIEWS;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS

3550 GEOTHERMAL ENERGY - THE NEGLECTED ENERGY OPTION. Rex, R.W. (Calif. Univ., Riverside, Geothermal Resources Program). pp 121-5 of The energy crisis. Lewis, R.G.; Spinrad, B.I. (eds.). Chicago, IL; Educational Foundation for Nuclear Science (1972).
GEOTHERMAL ENERGY;POWER GENERATION;ECONOMICS; DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;GEOTHERMAL RESOURCES;POWER POTENTIAL;REVIEWS

3551 SOME ECONOMIC FACTORS OF GEOTHERMAL ENERGY. Hebb, D.H. Mines Mag.; 15-18(Jul 1972).
GEOTHERMAL RESOURCES;REVIEWS;ECONOMICS; GEOTHERMAL ENERGY;OPTIMIZATION;GEOTHERMAL POWER PLANTS;THERMAL POLLUTION

3552 ECONOMIC POWER FROM GEOTHERMAL HEAT. Anderson, J.H. York, PA; J. Hilbert Anderson (Aug 1972). 4p.
GEOTHERMAL ENERGY;HEAT TRANSFER;GEOTHERMAL WELLS;DRILLING;COST;THERMAL EFFICIENCY;HEAT EXCHANGERS;WASTE DISPOSAL;GEOTHERMAL POWER PLANTS;ECONOMICS;GEOTHERMAL ENERGY CONVERSION; ELECTRIC POWER

3553 GEOTHERMAL ECONOMICS. Christopher, H.; Armstead, H. pp 161-174 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
ECONOMICS;GEOTHERMAL ENERGY;PRODUCTION; GEOTHERMAL EXPLORATION;ENERGY SOURCES

3554 ECONOMICS OF ELECTRIC POWER GENERATION UTILIZING GEOTHERMAL ENERGY. Comtois, W.H. (Westinghouse Electric Corp., Pittsburgh). Proc. Am. Power Conf.; 35: 436-442(1973).
From The American Power conference; Chicago, Illinois, USA (8 May 1973).
ECONOMICS;ELECTRIC POWER;GEOTHERMAL ENERGY; COMPARATIVE EVALUATIONS;ENERGY SOURCES; INVESTMENT;CALIFORNIA;GEOTHERMAL POWER PLANTS

3555 AMERICAN POWER CONFERENCE, PROCEEDINGS, VOLUME 35, 1973. Boom, R.W.; Kulcinski, G.L.; Maynard, C.W.; Vogelsang, W.F.; Dicks, J.B. Chicago, IL; Illinois Inst. Technology (1973).
From 35. Annual American Power Conference; Illinois Inst. Tech., Chicago, IL
ELECTRIC POWER;POWER GENERATION;GEOTHERMAL ENERGY;USES;ECONOMICS;BIBLIOGRAPHIES

3556 COMPARATIVE ENERGY COSTS BY ALTERNATIVE GENERATING METHODS. Kaufman, A. (Director of Office of Economic Research, State of New York Public Service Commission). pp 206-8 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; ELECTRIC POWER;POWER GENERATION;COST;ECONOMICS; FOSSIL-FUEL POWER PLANTS;COMPARATIVE EVALUATIONS

3557 ECONOMICS OF GEOTHERMAL DEVELOPMENT. Rex, R.W. Ore Bin; 36: No. 2, 17-22(1974).
GEOTHERMAL ENERGY;ECONOMICS;USA;EXPLOITATION

3558 ECONOMIC CONSIDERATIONS FOR GEOTHERMAL EXPLORATION IN THE WESTERN UNITED STATES. Greider, R. (Chevron Oil Co., San Francisco). pp 45-60 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
USA;GEOTHERMAL EXPLORATION;ECONOMICS;COST; CAPITAL;PLANNING

3559 REQUIREMENTS FOR PRIVATE INDUSTRY IN DEVELOPING GEOTHERMAL ENERGY. Mossman, M.H. (Anschutz Corp., Denver). pp 83-87 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
GEOTHERMAL RESOURCES;EXPLOITATION;INDUSTRY; PROSPECTING;GEOTHERMAL EXPLORATION;FINANCING; INVESTMENT;CAPITAL;ECONOMICS;RECOMMENDATIONS; GEOTHERMAL ENERGY;ECONOMIC DEVELOPMENT

3560 UTILITY PARTICIPATION IN A GEOTHERMAL ENERGY SOURCE. Landers, W.S. (Public Service Co. of Colorado, Denver). pp 79-81 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
GEOTHERMAL POWER PLANTS;OPERATION;FINANCING; PLANNING;INDUSTRY;ECONOMICS;MANAGEMENT; INVESTMENT;CAPITAL;ECONOMIC DEVELOPMENT; GEOTHERMAL ENERGY

3561 GEOTHERMAL POWER ECONOMICS: AN ANNOTATED BIBLIOGRAPHY. El-Ramly, N.; Peterson, R.; Seo, K.K. Honolulu, HI; United States of America (USA); University of Hawaii, Hawaii Geothermal Project (1974). 80p.
GEOTHERMAL ENERGY;ECONOMICS;HAWAII; BIBLIOGRAPHIES;ENVIRONMENTAL EFFECTS;GOVERNMENT POLICIES

3562 TWO STAGE PLAN FOR EARLY DEVELOPMENT OF GEOTHERMAL POWER PRODUCTION. Shulman, G. Geotherm. Energy Mag.; 2: No. 8, 85-8(Aug 1974).
GEOTHERMAL ENERGY;POWER GENERATION;ELECTRIC POWER;PLANNING;ECONOMICS

3563 CAPITAL AND ELECTRICAL PRODUCTION COSTS FOR GEOTHERMAL POWER PLANTS. Klei, H.E.; Maslan, F. Paper No. A 75 445-7. New York; United States of America (USA); IEEE (1975). 7p. IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854.
From IEEE PES Summer Meeting; San Francisco, CA (20 Jul 1975).
GEOTHERMAL POWER PLANTS;COST;POWER GENERATION;ELECTRIC POWER;OPTIMIZATION;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;GEOTHERMAL ENERGY CONVERSION

3564 RISING FUEL COSTS GIVE BOOST TO GEOTHERMAL ENERGY. Scott, W.E.; Swiss, M.; Jeffs, E. Energy Int.; 12: No. 1, 16-20(Jan 1975).
GEOTHERMAL ENERGY;ICELAND;NEW ZEALAND; CALIFORNIA;STEAM;PERFORMANCE;ECONOMICS;ENERGY CONSUMPTION

3565 PROJECT INDEPENDENCE: REPORT ON GEOTHERMAL ENERGY. Barnea, J. Geotherm. Energy Mag.; 3: No. 3, 24-25(Mar 1975).
GEOTHERMAL ENERGY;REVIEWS;COST;POWER GENERATION;PERSONNEL;GEOTHERMAL EXPLORATION; PROJECT INDEPENDENCE

3566 PROJECT INDEPENDENCE: REPORT ON GEOTHERMAL ENERGY. Barnea, J. Geotherm. Energy Mag.; 3: No. 3, 24-25(Mar 1975).
GEOTHERMAL ENERGY;REVIEWS;COST;POWER GENERATION;PERSONNEL;GEOTHERMAL EXPLORATION; PROJECT INDEPENDENCE

3567 TIME IS OF THE ESSENCE IN DEVELOPING GEOTHERMAL ENERGY. Meidav, T. (Geonomics Inc., Berkeley, CA). Oil Gas J.; 73: No. 14, 168; 170; 172(7 Apr 1975).
NOMOGRAMS;RESERVES;GEOTHERMAL ENERGY; PRODUCTION;ELECTRIC POWER;COST;DRY-STEAM SYSTEMS;PETROLEUM;COMPARATIVE EVALUATIONS; ECONOMICS;EFFICIENCY;COST BENEFIT ANALYSIS

3568 GEOTHERMAL EXPLORATION: STRATEGY AND BUDGETING. Barr, R.C. Geotherm. Energy Mag.; 3: No. 5, 39-41(May 1975).
GEOTHERMAL EXPLORATION;BUDGETS;WELL DRILLING; LAND LEASING;SITE SELECTION;GEOPHYSICAL SURVEYS; COST

Environmental Aspects

Refer also to citation(s) 159, 160, 288, 413, 416, 459, 532, 619, 1808, 2086, 2606, 2666, 2814, 2826, 3278, 3400, 3410, 3412, 3415, 3416, 3447, 3462, 3463, 3464, 3465, 3721, 3752, 3946, 3951, 3998, 4344

3569 (ANCR--1204) ENVIRONMENTAL REPORT: DEEP GEOTHERMAL TEST WELLS IN THE RAFT RIVER VALLEY. Spencer, S.G. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Jan 1975. Contract AT(10-1)-1375. 31p. Dep. NTIS $4.00.
Environmental effects of drilling and piping. IDAHO;GEOTHERMAL EXPLORATION; ENVIRONMENT;BOREHOLES;WELL DRILLING; ENVIRONMENTAL EFFECTS;GEOTHERMAL WELLS

3570 (CONF-750612--, pp 311-318) ENVIRONMENTAL PROBLEMS ASSOCIATED WITH POWER PRODUCTION FROM GEOPRESSURED RESERVOIRS. Herrin, E.; Goforth, T. (Southern Methodist Univ., Dallas). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
ENVIRONMENTAL EFFECTS;TEXAS;GEOPRESSURED SYSTEMS;GROUND SUBSIDENCE;EARTHQUAKES;FLUID WITHDRAWAL;TECTONICS

3571 (CONF-750612--, pp 321-324) ENVIRONMENTAL CONSIDERATIONS AND ECONOMIC IMPLICATIONS IN THE DEVELOPMENT OF GEOTHERMAL ENERGY. Moseley, F.N. (Central Power and Light Co., Corpus Christi, TX). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
ECONOMICS;ENVIRONMENTAL EFFECTS;GEOTHERMAL ENERGY;GEOPRESSURED SYSTEMS;MANAGEMENT;WATER QUALITY;GROUND SUBSIDENCE

3572 (EIS-CA--4895-F) PROPOSED INSTALLATION AND OPERATION OF A SKID-MOUNTED DESALTING UNIT AND INJECTION WELL, IMPERIAL VALLEY, CALIFORNIA. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Office of Saline Water, Washington, D.C. (USA)). 10 Jul 1972. 108p. NTIS $7.50.
DESALINATION;ENVIRONMENTAL IMPACT STATEMENTS; GEOTHERMAL WELLS;INJECTION WELLS;IMPERIAL VALLEY;WASTE DISPOSAL;BRINES;GEOTHERMAL RESOURCES;OPERATION;PLANNING

3573 (EPA--600/2-74-002) CONTROL OF ENVIRONMENTAL IMPACTS FROM ADVANCED ENERGY SOURCES. Hughes, E.E.; Dickson, E.M.; Schmidt, R.A. (Stanford Research Inst., Menlo Park, Calif. (USA)). Mar 1974. 326p.
ENERGY SOURCES;ENVIRONMENTAL EFFECTS;COAL GASIFICATION;SOLAR ENERGY;HYDROGEN;GEOTHERMAL ENERGY;OIL SHALES;RECOMMENDATIONS;CONTROL; ENVIRONMENT

3574 (LA-UR--73-1316) GEOTHERMAL ENERGY. Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). 1973. Contract W-7405-eng-36. 9p. Dep. NTIS $3.00.
ECONOMICS;ROCKS;HEATING;GEOTHERMAL ENERGY; LASL;RESEARCH PROGRAMS;ENVIRONMENT;POLLUTION; GEOTHERMAL POWER PLANTS;ROCK DRILLING;PLANNING

3575 (N--74-34820) GEOSCIENTIFIC ASPECTS OF SUPPLYING ENERGY. Kertz, W. (Technische Univ. Braunschweig (F.R. Germany)). 1974. 23p. NTIS $3.25.
ENERGY SOURCES;ENVIRONMENTAL EFFECTS;ENERGY DEMAND;NUCLEAR ENERGY;SOLAR ENERGY;FISSION; FUSION REACTIONS;GEOTHERMAL ENERGY;GEOPHYSICS; AIR POLLUTION;GEOTHERMAL RESOURCES;HEATING; EARTH ATMOSPHERE;ENTROPY

3576 (NP--20212) FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM. VOLUME I. PROMULGATION OF LEASING AND OPERATING REGULATIONS. (Department of the Interior, Washington, D.C. (USA)). 1973. 520p. GPO $4.20.
GEOTHERMAL RESOURCES;LAND LEASING; ENVIRONMENTAL EFFECTS;REGULATIONS;USA

3577 (NSF/RA/N--74-159, pp 128-138) MEASURING GROUND MOVEMENT IN GEOTHERMAL AREAS OF IMPERIAL VALLEY, CALIFORNIA. Lofgren, B.E. (Geological Survey, Sacramento, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL FIELDS;IMPERIAL VALLEY;CALIFORNIA; GROUND SUBSIDENCE;GROUND MOTION;FLUIDS; EXTRACTION

3578 (ORNL--5024) ASSESSMENT OF THE ENVIRONMENTAL IMPACT OF ALTERNATIVE ENERGY SOURCES. Beall, S.E.; Spiewak, I.; Arnold, H.G.; McLain, H.W.; Bettis, E.S.; Scott, D.;

Ahmed, B. (Oak Ridge National Lab., Tenn. (USA)). Sep 1974. Contract W-7405-eng-26. 134p. Dep. NTIS $5.45.
GEOTHERMAL ENERGY;SOLAR ENERGY;THERMONUCLEAR REACTORS;ENVIRONMENTAL EFFECTS;ENVIRONMENT; ENERGY SOURCES

3579 (PB--203102-D) GEOTHERMAL LEASING PROGRAM, CONSIDERS IMPACT OF LEASING AND OPERATING REGULATIONS TO IMPLEMENT THE GEOTHERMAL STEAM ACT OF 1970 AND LEASING OF 3 AREAS IN CALIFORNIA. DRAFT ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 6 Oct 1971. 234p. NTIS $3.00.
CALIFORNIA;GEOTHERMAL EXPLORATION;LAND LEASING;ENVIRONMENTAL IMPACT STATEMENTS; LEGISLATION;GEOTHERMAL RESOURCES

3580 (PB--208662) PROPOSED INSTALLATION AND OPERATION OF A SKID-MOUNTED DESALTING UNIT AND INJECTION WELL, IMPERIAL VALLEY, CALIFORNIA. DRAFT ENVIRONMENTAL IMPACT STATEMENT. (Office of Saline Water, Washington, D.C. (USA)). 25 Apr 1972. 35p. NTIS $3.00.
DESALINATION;INJECTION WELLS;IMPERIAL VALLEY; CALIFORNIA;ENVIRONMENTAL EFFECTS;BOREHOLES; BRINES;WASTE DISPOSAL;AIR POLLUTION;CARBON DIOXIDE;HYDROGEN SULFIDES;EQUIPMENT; ENVIRONMENTAL IMPACT STATEMENTS;GEOTHERMAL RESOURCES

3581 (PB--208954) GEOTHERMAL LEASING PROGRAM. (SUPPLEMENT TO DRAFT DATED 6 OCT 1971, PB--203102-D). (Department of the Interior, Washington, D.C. (USA)). 3 May 1972. 193p. NTIS $3.00; $0.95 (mf).
LAND LEASING;GEOTHERMAL EXPLORATION; ENVIRONMENTAL IMPACT STATEMENTS;ENERGY SOURCES; ENERGY RESERVES;GOVERNMENT POLICIES;GEOTHERMAL RESOURCES

3582 (PB--218830, pp 26) GEOTHERMAL WASTES AND THE WATER RESOURCES OF THE SALTON SEA AREA. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
SALTON SEA;BRINES;GEOTHERMAL RESOURCES; ECONOMICS;GEOTHERMAL ENERGY;SALINITY;WASTE DISPOSAL;WASTE WATER;IMPURITIES;POLLUTION;WATER RESOURCES;GEOTHERMAL WELLS;IMPURITIES;THERMAL WATERS

3583 (PB--218830, pp 22) ELECTRICITY FROM GEOTHERMAL, NUCLEAR, COAL SOURCES: AN ENVIRONMENTAL COMPARISON. Bowen, R.G. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL ENERGY;ENVIRONMENTAL EFFECTS; ELECTRIC POWER;POWER GENERATION;COMPARATIVE EVALUATIONS;NUCLEAR POWER PLANTS;FOSSIL-FUEL POWER PLANTS;ECONOMICS;COST;DRY-STEAM SYSTEMS; GEOTHERMAL POWER PLANTS

3584 (PB--218830, pp 53) ENERGY, A CRISIS IN POWER. Holdren, J.; Herrera, P. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
USA;ELECTRIC POWER;ENERGY SUPPLIES; GEOTHERMAL ENERGY;PLANNING;ENVIRONMENTAL EFFECTS;ENERGY SOURCES

3585 (PB--218830, pp 75) CLEAN STEAM. LETTER TO THE EDITOR. Rourke, J.T. 1972.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS;THERMAL POLLUTION;AIR POLLUTION; GEOTHERMAL ENERGY;COST;ECONOMICS;GEYSERS GEOTHERMAL FIELD;TAXES;HYDROGEN SULFIDES

3586 (PB--224119-8-GA) ASSESSMENT OF SO_2 CONTROL ALTERNATIVES AND IMPLEMENTATION PATTERNS FOR THE ELECTRIC UTILITY INDUSTRY. (Hittman Associates, Inc., Columbia, Md. (USA)). Mar 1973. Contract OST-40. 145p. (HIT--550). NTIS $4.50.
ELECTRIC POWER;POWER PLANTS;SULFUR OXIDES; EMISSION;CONTROL;REGULATIONS;THERMAL EFFLUENTS; REGIONAL ANALYSIS;NUCLEAR ENERGY;ENERGY CONVERSION;ECONOMICS;DESULFURIZATION;FOSSIL FUELS;AIR POLLUTION;COMPUTER CODES;COAL;STACK DISPOSAL;GEOTHERMAL ENERGY;HYDROELECTRIC POWER PLANTS

3587 (UCID--16717) ENVIRONMENTAL ASPECTS OF GEOTHERMAL ENERGY DEVELOPMENT SALTON SEA/ IMPERIAL VALLEY AREA. Tonnessen, K. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Mar 1975. 19p. Dep. NTIS $4.00.
ENVIRONMENTAL EFFECTS;SALTON SEA;IMPERIAL VALLEY;GEOTHERMAL RESOURCES;BRINES;THERMAL WATERS;WASTE DISPOSAL;NOISE;WATER POLLUTION; GROUND SUBSIDENCE;AIR POLLUTION;LAND USE; SEISMIC EFFECTS;ECOLOGY;GEOTHERMAL ENERGY;LAND POLLUTION

3588 REPORT ON THE TOKACHI-OKI EARTHQUAKE, HOKKAIDO, JAPAN, MARCH 4, 1952. Sapporo; Japan; Spec. Comm. Inv. Tokachi-Oki Earthquake (1954). 1018p. (In Japanese with English summary).
JAPAN;EARTHQUAKES;SEISMIC EFFECTS;HOT SPRINGS;GROUND WATER;VOLCANOES

3589 YELLOWSTONE QUAKE. O'Reilly, J. Nat. Hist.; 69: 25-31(1960).
MONTANA;EARTHQUAKES;HOT SPRINGS;GEYSERS; FUMAROLES;YELLOWSTONE NATIONAL PARK

3590 TREMORS OBSERVED AT ACTIVE VOLCANO, GEYSER, AND FUMAROLE. Motoya, Y.; Nogoshi, M. Volcanol. Soc. Jap. Bull.; 8: No. 1, Ser. 2, 20-32(1963). (In Japanese with English abstract).
JAPAN;VOLCANIC REGIONS;EARTHQUAKES;GEYSERS; FUMAROLES

3591 POSSIBLE OROGENESIS FACTOR. Riviere, A. Acad. Sci. Compt. Rend.; 256: No. 20, 4263-4(1963).
VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS;GROUND SUBSIDENCE;GRAVITATION;VOLUME;DEFORMATION

3592 TECHNICAL AND ECONOMIC PROBLEMS DUE TO THE PRESENCE OF CHEMICAL IMPURITIES IN FLUIDS OF GEOTHERMAL ORIGIN. Garbato, C. pp 496-501 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (In French with English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL FLUIDS;IMPURITIES;ENVIRONMENTAL EFFECTS;CORROSIVE EFFECTS;THERMAL WATERS; NATURAL STEAM;TURBINES;CORROSION;ECONOMICS; WATER POLLUTION;AIR POLLUTION;CARBON DIOXIDE; HYDROGEN SULFIDES;AMMONIA;BORIC ACID;REMOVAL; STEAM CONDENSERS

3593 EARTHQUAKES RESULTING FROM METASTABLE PHASE TRANSITIONS. Dennis, J.G.; Walker, C.T.

Tectonophysics; 2: No. 5, 401-7(1965).
EARTHQUAKES;THERMODYNAMICS;VOLUME;VARIATIONS; HEAT;PHASE TRANSFORMATIONS;HEAT TRANSFER;EARTH MANTLE

3594 EARTH TREMORS GENERATED BY OLD FAITHFUL GEYSER. Rinehart, J.S. Science; 150: No. 3695, 494-496(1965).
OLD FAITHFUL GEYSER;SEISMIC EFFECTS;SEISMIC WAVES;FREQUENCY RANGE

3595 CONSERVATION OF THERMAL WATERS FROM THE POINT OF VIEW OF THE GEOTHERMAL BALANCE. Jetel, J. Vestn. Ustred. Ustavu Geol.; 41: No. 3, 177-81(1966).
GEOTHERMAL FIELDS;GEOTHERMAL GRADIENTS; CZECHOSLOVAKIA;HOT SPRINGS;THERMAL WATERS; ENERGY CONSERVATION;ENVIRONMENTAL EFFECTS; ENERGY LOSSES

3596 ASPECT ON THE RELATION OF THERMAL WATER AND MATSUSHIRO EARTHQUAKES IN KAGAI HOT SPRING AREA, NAGANO PREFECTURE. Kasuga, I. J. Geog.; 76: No. 2, 76-86(1967). (In Japanese with English abstract).
JAPAN;THERMAL WATERS;HOT SPRINGS;EARTHQUAKES; GEOLOGY;TEMPERATURE MONITORING;FLOW RATE;HEAT TRANSFER

3597 WATER CONTENT IN THE CRUST AND THE HYDROTHERMAL REACTION AS A POSSIBLE CAUSE FOR THE SWARM-TYPE EARTHQUAKE. Matsushima, S. Kyoto Univ. Geophys. Inst., Spec. Contr.; No. 7, 201-10(1967).
EARTH CRUST;JAPAN;VOLCANIC REGIONS; EARTHQUAKES;HOT SPRINGS;GEOLOGIC FISSURES;WATER; HYDROTHERMAL SYSTEMS

3598 IS IT POSSIBLE TO PREVENT AN EARTHQUAKE-PREDICTION IS NOT ENOUGH. Shebalin, N. Chile Univ. Bol.; No. 73, 43-45(1967).
Thermal stress relief by cold water injection underground. INJECTION WELLS;WATER; PLANNING;EARTHQUAKES;HEATING;BOREHOLES;DRILLING; THERMAL STRESSES;EARTH CRUST;EARTH MANTLE

3599 ENVIRONMENTAL REQUIREMENTS OF THERMOPHILIC BLUE-GREEN ALGAE. Castenholz, R.W. (Oregon Univ., Eugene. Dept. of Biology). pp 55-79 of Symposium environmental requirements of blue-green algae. Corvallis, OR; Federal Water Pollution Control Admin., Pacific Northwest Water Lab. (Oct 1967).
ALGAE;HOT SPRINGS;THERMAL WATERS;MEDIUM TEMPERATURE;THERMAL POLLUTION;ENVIRONMENTAL EFFECTS

3600 OBSERVATION OF MICROEARTHQUAKES WITH A DEEP WELL SEISMOMETER (SECOND PAPER). Takano, K.; Hagiwara, T. Tokyo Daigaku Jishin Kenkyusho Iho; 46, Pt. 6A: 1293-300(1968). (In Japanese with English abstract).
BOREHOLES;SEISMIC NOISE;DEPTH; MICROEARTHQUAKES;SEISMIC SURVEYS

3601 ALGAL GROWTH AND PRIMARY PRODUCTIVITY IN A THERMAL STREAM. Stockner, J.G. (Washington Univ., Seattle. Dept. of Zoology). J. Fish. Res. Board Can.; 25: No. 10, 2037-58(1968).
ALGAE;GROWTH;THERMAL WATERS;HOT SPRINGS; WASHINGTON;PHOTOSYNTHESIS;AQUATIC ECOSYSTEMS

3602 MAN-INITIATED EARTHQUAKES. Endersbee, L.A. Rock Mech.; 1: No. 2-3, 165-6(1969).
Effects of deep-underground liquid waste disposal on earthquakes near Denver. COLORADO; LIQUID WASTES;BOREHOLES;UNDERGROUND DISPOSAL; EARTHQUAKES;WATER RESERVOIRS;ROCK MECHANICS; SEISMIC EFFECTS;ENVIRONMENTAL EFFECTS

3603 MICROFLORA OF THE THERMAL SPRINGS IN NIAKA BANJA (IN SERBO CROATIAN). Petrovska, L. Fragm Balcan mus Macedonici Sci. Natur.; 7: No. 4, 21-30(1969). (German summary).
HOT SPRINGS;THERMAL WATERS;MICROORGANISMS; YUGOSLAVIA;PLANTS

3604 GROUND MOVEMENT IN THE WAIOTAPU GEOTHERMAL REGION, NEW ZEALAND. Whiteford, P.C. (Geophysics Div., Dept. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 478-86(1970).
GROUND MOTION;SEISMOLOGY;WAIOTAPU GEOTHERMAL FIELD;MAGNETIC TAPES;SEISMIC DETECTION;NEW ZEALAND;DISTANCE;VARIATIONS;NOISE;SEISMIC WAVES; SPECTRA;AMPLITUDES

3605 STUDIES ON NOISE REDUCTION PROBLEMS IN ELECTRIC POWER PLANTS UTILIZING GEOTHERMAL FLUIDS. Nishiwaki, N.; Hirata, M.; Ohnaka, I.; Obata, T. (Dept. Mech. Eng., Univ. Tokyo, Bunkyoku, Tokyo, Japan); Iwamizu, T. (Res. Inst., Kyushu Electric Power Co., Fukuoka-shi, Japan). Geothermics; 2: 1629-31(1970).
NOISE;ENVIRONMENTAL EFFECTS;OTAKE GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS; STEAM MUFFLERS;DESIGN

3606 GROUND SUBSIDENCE OF A GEOTHERMAL FIELD DURING EXPLOITATION. Hatton, J.W. (Ministry of Works, Wairakei, New Zealand). Geothermics; Special Issue 2: 1294-6(1970).
ENVIRONMENTAL EFFECTS;EXPLOITATION; GEOTHERMAL FIELDS;GROUND MOTION;AQUIFERS;NEW ZEALAND;GROUND SUBSIDENCE

3607 LIMITS OF MICROBIAL EXISTENCE, TEMPERATURE AND PH. Brock, T.D.; Darland, G.K. Science; 169: No. 3952, 1316-18(1970).
HOT SPRINGS;THERMAL WATERS;PH VALUE;BACTERIA; TEMPERATURE DEPENDENCE;GROWTH

3608 MAN-MADE EARTHQUAKES - WAY TO UNDERSTAND NATURAL SEISMIC ACTIVITY. Mueller, S. Geol. Rundsch.; 59: No. 2, 792-805(1970). (English, French, and Russian abstracts).
EARTHQUAKES;WATER RESERVOIRS;INJECTION WELLS; STRESSES;TECTONICS

3609 INTERNATIONAL SYMPOSIUM ON LAND SUBSIDENCE. Johnson, A.I. EOS, Trans., Am. Geophys. Union; 51: No. 2, 160-2(1970).
MEETINGS;GROUND SUBSIDENCE

3610 SPECTRAL CHARACTERISTICS OF CENTRAL NEVADA MICROEARTHQUAKES. Douglas, B.M.; Ryall, A.; Williams, R. Bull. Seismol. Soc. Am.; 60: No. 5, 1547-59(1970).
NEVADA;EARTHQUAKES;SEISMIC WAVES;WAVE PROPAGATION;AMPLITUDES;SEISMIC DETECTION; GEOLOGIC DEPOSITS;PHYSICAL PROPERTIES

3611 DENVER AREA EARTHQUAKES AND THE ROCKY MOUNTAIN ARSENAL DISPOSAL WELL. Evans, D.M. pp 25-32 of Engineering seismology - works of man. Geological Society of America Engineering Geology Case Histories, No. 8. Washington, DC; Geol. Soc. Amer. (1970).
COLORADO;EARTHQUAKES;LIQUID WASTES;

UNDERGROUND DISPOSAL;SEISMIC DETECTION; CORRELATIONS

3612 SOME STATISTICAL FEATURES OF THE RELATIONSHIP BETWEEN ROCKY MOUNTAIN ARSENAL WASTE DISPOSAL AND FREQUENCY OF EARTHQUAKES. Bardwell, G.E. pp 33-7 of Engineering seismology - works of man. Geological Society of America Engineering Geology Case Histories, No. 8. Washington, DC; Geol. Soc. Amer. (1970).
COLORADO;EARTHQUAKES;LIQUID WASTES; UNDERGROUND DISPOSAL;SEISMIC DETECTION; CORRELATIONS

3613 RELATIONSHIP OF EFFECT OF WATERFLOODING OF THE RANGELY OIL FIELD ON SEISMICITY. Munson, R.C. pp 39-49 of Engineering seismology - works of man. Geological Society of America Engineering Geology Case Histories, No. 8. Washington, DC; Geol. Soc. Amer. (1970).
COLORADO;EARTHQUAKES;LIQUIDS;UNDERGROUND DISPOSAL;SEISMIC DETECTION;CORRELATIONS

3614 EARTHQUAKES INDUCED BY FLUID INJECTION AND EXPLOSION (IN EARTHQUAKE MECHANICS, A SYMPOSIUM, MADRID, SPAIN, 1969). Healy, J.H.; Hamilton, R.M.; Raliegh, C.B. Tectonophysics; 9: No. 2-3, 205-14(1970).
EARTHQUAKES;INJECTION WELLS;NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS;COMPARATIVE EVALUATIONS;SPATIAL DISTRIBUTION;PRESSURE DEPENDENCE;SEISMIC EFFECTS;FLUIDS;ORIGIN

3615 COMPLEXITY OF ENERGY RELEASE DURING THE IMPERIAL VALLEY, CALIFORNIA, EARTHQUAKE OF 1940. Trifunac, M.D.; Brune, J.N. Bull. Seismol. Soc. Am.; 60: No. 1, 137-60(1970).
IMPERIAL VALLEY;EARTHQUAKES;SEISMIC DETECTION;SEISMIC WAVES;WAVE PROPAGATION; SEISMIC EFFECTS

3616 GEOTHERMAL WASTES AND WATER RESOURCES OF SALTON SEA AREA. Werner, S.L.; Olson, L.J. Calif. Dept. of Water Resources Bulletin No. 143-7. Sacramento, CA; Calif. Dept. Water Resources (Feb 1970). 123p. Office of Procurement, Documents Section, PO Box 20191, Sacramento, CA, $3.50.
CALIFORNIA;GEOTHERMAL RESOURCES;WATER RESOURCES;GEOTHERMAL WELLS;BRINES;LIQUID WASTES; WASTE DISPOSAL;SURFACE WATERS;SALINITY; HYDROLOGY;GEOLOGY;SALTON SEA;POLLUTION; ECONOMICS;GEOTHERMAL FLUIDS

3617 NITROGEN FIXATION BY BLUE-GREEN ALGAE IN YELLOWSTONE THERMAL AREAS. Stewart, W.D.P. (Dundee Univ., Scotland. Dept. of Biological sciences). Phycologia; 9: No. 3-4, 261-8(Dec 1970).
NITROGEN FIXATION;ALGAE;YELLOWSTONE NATIONAL PARK;HOT SPRINGS;THERMAL WATERS;BACTERIA

3618 ELECTRICITY FROM GEOTHERMAL, NUCLEAR, COAL SOURCES; ENVIRONMENTAL IMPACT COMPARISON. Bowen, R.G. Ore Bin; 33: No. 11, 197-209(1971).
ENVIRONMENTAL EFFECTS;ELECTRIC POWER; GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION; COMPARATIVE EVALUATIONS;COAL;NUCLEAR POWER

3619 GEOTHERMAL STATIONS HAVE POLLUTION PROBLEMS. Keene, J.; Arden, T. Power (N.Y.); 115: 96(May 1971).
GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS;ENVIRONMENT;POLLUTION

3620 EFFECT OF WIDE TEMPERATURE FLUCTUATION ON THE BLUE-GREEN ALGAE OF BEAD GEYSER, YELLOWSTONE NATIONAL PARK. Mosser, J.L.; Brock, T.D. (Indiana Univ., Indianapolis. Dept. of Microbiology). Limnol. Oceanogr.; 16: No. 4, 640-5(Jul 1971).
ALGAE;YELLOWSTONE NATIONAL PARK;GEYSERS; TEMPERATURE DEPENDENCE;GROWTH;THERMAL POLLUTION; PHOTOSYNTHESIS;THERMAL EFFLUENTS

3621 ENVIRONMENTAL IMPACT STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM; DRAFT. Washington, DC; United States of America (USA); US Dept. Interior (Sep 1971). vp.
CALIFORNIA;GEOTHERMAL FIELDS;GEOTHERMAL RESOURCES;EXPLOITATION;ENVIRONMENTAL IMPACT STATEMENTS;LAND LEASING

3622 ALGAL DISTRIBUTION IN SIX THERMAL SPRING EFFLUENTS. Kullberg, R.G. (Southeast Missouri State College, Cape Girardeau. Dept. of Biology). Trans. Am. Microsc. Soc.; 90: No. 4, 412-34(Oct 1971).
ALGAE;MONTANA;DISTRIBUTION;HOT SPRINGS; THERMAL WATERS;TEMPERATURE GRADIENTS

3623 MERCURY FROM HAWAIIAN VOLCANOES A NATURAL SOURCE OF POLLUTION. Eshleman, A.; Siegel, S.M.; Siegel, B.Z. (Hawaii Univ., Honolulu). Nature (London); 233: 471-2(15 Oct 1971).
HAWAII;VOLCANOES;MERCURY;FUMAROLES;FUMAROLIC FLUIDS;AIR POLLUTION

3624 PRELIMINARY INVESTIGATION OF MERCURY-HAZARD POTENTIAL. WARM SPRINGS DAM AND LAKE SONOMA PROJECT, DRY CREEK BASIN, SONOMA COUNTY, CALIFORNIA. Hines, W.G. Geological Survey Open-File Report. Menlo Park, CA; United States of America (USA); Geol. Survey (8 Nov 1971). 19p.
CALIFORNIA;HOT SPRINGS;MERCURY;SEDIMENTS; WATER POLLUTION;ALGAE;AQUATIC ECOSYSTEMS; CHEMICAL ANALYSIS;HAZARDS

3625 GEOTHERMAL WASTES AND THE WATER RESOURCES OF THE SALTON SEA AREA. Gianelli, W.R. (dir.). Calif., Dep. Water Resour. Bull. No. 143-7. Sacramento, CA; United States of America (USA); Dep. Water Resour. (1972). 123p.
CALIFORNIA;BRINES;WATER RESOURCES; ENVIRONMENTAL EFFECTS;WATER POLLUTION;WASTE DISPOSAL;SALTON SEA

3626 ENVIRONMENTAL PRIORITIES; HUMAN NEEDS AND GEOTHERMAL POWER. Hess, H. pp 19-26 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
CALIFORNIA;GEOTHERMAL ENERGY;ENVIRONMENTAL EFFECTS

3627 PROGRESS REPORT TO THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA GEYSERS HYDROGEN SULFIDE EMISSIONS ABATEMENT PROGRAM. McCluer, H.K. Sacramento, CA; United States of America (USA); Pacific Gas and Electric Co., Dept. Eng. Res. (1972). 2p.
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;HYDROGEN SULFIDES;SULFUR OXIDES;COOLING TOWERS;POLLUTION;OXIDATION;ENVIRONMENTAL EFFECTS

3628 RADIOACTIVITY IN THE EUGANEAN THERMAL BASIN. Calapaj, G.G.; Ongaro, D. (Ist. Ig., Univ. Padova, Padua, Italy). G. Fis. Sanit. Prot. Radiaz.; 16: No. 3, 131-44(1972).
RADIOACTIVITY;THERMAL WATERS;USES;RADON 226; CLAYS;ITALY

3629 SURVIVAL OF BACTERIA IN EXTREME ENVIRONMENTS. Weiss, R.L. Bloomington; Indiana Univ. (1972). 235p. University Microfilms Order No. 73-2765.
Thesis (Ph. D.).
BACTERIA;HOT SPRINGS;SULFUR;PH VALUE;ORGANIC COMPOUNDS;CYTOLOGY

3630 CIRCULATION PATTERNS OF SALINE GROUNDWATER AFFECTED BY GEOTHERMAL HEATING - AS RELATED TO WASTE DISPOSAL. Henry, H.R.; Kohout, F.A. (Alabama Univ., Dept. of Civil and Mineral Engineering). pp 202-21 of Underground waste management and environmental implications, Proceedings of Symposium held at Houston, TX, 6-9 Dec 1971. Tulsa, OK; Amer. Assoc. Petrol. Geologists (Memoir 18) (1972).
From Symposium on Underground Waste Management and Environmental Implications; Houston, TX (6-9 Dec 1971).
GROUND WATER;SALINITY;WASTE DISPOSAL; GEOTHERMAL HEATING;AQUIFERS;LIQUID WASTES; CONVECTION;MASS;FLUID FLOW;INJECTION WELLS; MATHEMATICAL MODELS;UNDERGROUND DISPOSAL

3631 ECOLOGY OF YELLOWSTONE THERMAL EFFLUENT SYSTEMS. NEW PRIMARY PRODUCTION AND SPECIES DIVERSITY OF A SUCCESSFUL BLUE-GREEN ALGAL MAT. Fraleigh, P.C. (Georgia Univ., Athens. Dept. of Zoology). Limnol. Oceanogr.; 17: No. 2, 215-28(1972).
YELLOWSTONE NATIONAL PARK;ECOLOGY;THERMAL EFFLUENTS;ALGAE;ECOSYSTEMS;CARBON DIOXIDE; WYOMING;THERMAL WATERS;HOT SPRINGS

3632 EFFECTS OF THERMAL ADDITIONS FROM THE YELLOWSTONE GEYSER BASINS ON THE BACTERIOLOGY OF THE FIREHOLE RIVER. Zeikus, J.; Brock, T.D. (Indiana Univ., Indianapolis. Dept. of Microbiology). Ecology; 53: No. 2, 283-90(1972).
THERMAL EFFLUENTS;YELLOWSTONE NATIONAL PARK; GEYSERS;BACTERIA;RIVERS;THERMAL POLLUTION; GROWTH;THERMAL WATERS;WYOMING;WATER POLLUTION

3633 MICROEARTHQUAKES: PROSPECTING TOOL AND POSSIBLE HAZARD IN THE DEVELOPMENT OF GEOTHERMAL RESOURCES. Ward, P.L. (Lamont-Doherty Geological Observatory, Palisades, NY). Geothermics; 1: No. 1, 3-12(Mar 1972).
EARTHQUAKES;GEOTHERMAL RESOURCES;ENERGY SOURCES;CORRELATIONS;HAZARDS;SAFETY;BUILDINGS; GEOTHERMAL EXPLORATION;SEISMIC SURVEYS;SEISMIC EFFECTS

3634 EFFECTS OF THERMAL ADDITIONS FROM THE YELLOWSTONE GEYSER BASINS ON THE BACTERIOLOGY OF THE FIREHOLE RIVER. Zeikus, J.G.; Brock, T.D. (Indiana Univ., Indianapolis. Dept. of Microbiology). Ecology; 53: No. 2, 283-90(Spr 1972).
BACTERIA;RIVERS;YELLOWSTONE NATIONAL PARK; GEYSERS;THERMAL POLLUTION;PH VALUE;PHOSPHATES; ECOLOGY;HOT SPRINGS

3635 MICROEARTHQUAKES AT THE GEYSERS GEOTHERMAL AREA, CA. Hamilton, R.M.; Muffler, L.J.P. (Geological Survey, Menlo Park, CA). Journal of Geophysical Research; 70: No. 11, 2081-2086(Apr 1972).
EARTHQUAKES;GEOTHERMAL FIELDS;SEISMOLOGY; MAPS;GEOLOGIC FAULTS;GEOTHERMAL EXPLORATION; ENVIRONMENTAL EFFECTS;GEYSERS GEOTHERMAL FIELD; SEISMOGRAPHS

3636 THERMAL PROBLEMS IN THE SITING OF REINJECTION WELLS. Bodvarsson, G. (Oregon State Univ., Corvallis). Geothermics; 1: No. 2, 63-6(Jun 1972).
WASTE HEAT;SITE SELECTION;GEOTHERMAL ENERGY; UNDERGROUND DISPOSAL;FLASH HEATING;POWER PLANTS; THERMAL POLLUTION;ROCKS;BOREHOLES;INJECTION WELLS;GEOTHERMAL POWER PLANTS

3637 ENVIRONMENTAL EFFECTS OF PRODUCING ELECTRIC POWER FROM GEOTHERMAL RESOURCES. Bowen, R.G. (Dept. Geology and Mineral Industries, Portland, OR). Trans. Am. Nucl. Soc.; 15: No. 1, 17-18(Jun 1972).
GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;ENVIRONMENTAL EFFECTS;POLLUTION;DRY-STEAM SYSTEMS;GEYSERS GEOTHERMAL FIELD; LARDERELLO GEOTHERMAL FIELD;LAND POLLUTION;AIR POLLUTION;WATER POLLUTION;NATURAL STEAM;THERMAL POLLUTION;NUCLEAR POWER PLANTS;FOSSIL-FUEL POWER PLANTS;RADIOACTIVITY;CONTAMINATION; GEOTHERMAL ENERGY

3638 ENVIRONMENTAL ASPECTS OF GEOTHERMAL HEAT STIMULATION. Sandquist, G.M. (Univ. Utah., Salt Lake City); Whan, G.A. Trans. Am. Nucl. Soc.; 15: No. 1, 22-3(Jun 1972).
Jsing nuclar explsives. GEJTHERMAL WELLS; ENVIRONMENT;CONTAMINATION;RADIOACTIVITY;SAFETY; SEISMIC EFFECTS;NUCLEAR EXPLOSIONS;CONTAINED EXPLOSIONS;GROUND WATER;RADIONUCLIDE MIGRATION; EXPLOSIVE STIMULATION;ENVIRONMENTAL EFFECTS

3639 SILICEOUS ALGAL AND BACTERIAL STROMATOLITES IN HOT SPRING AND GEYSER EFFLUENTS OF YELLOWSTONE NATIONAL PARK. Walter, M.R.; Bauld, J.; Brock, T.D. (Yale Univ., New Haven, CT. Dept. of Geology and geophysics). Science; 178: No. 4059, 402-5(27 Oct 1972).
HOT SPRINGS;GEYSERS;YELLOWSTONE NATIONAL PARK;ALGAE;BACTERIA;SILICON OXIDES;SEDIMENTS; PRECIPITATION

3640 ENVIRONMENTAL IMPACT OF GEOTHERMAL DEVELOPMENT. Bowen, R.G. (Oregon Dept. of Geology and Mineral Industries, Portland). pp 197-215 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
POLLUTION;STORED ENERGY;ENVIRONMENT; ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;ELECTRIC POWER;HUMAN POPULATIONS;FOSSIL FUELS;NUCLEAR POWER; ECONOMICS;GEOLOGY;COMPARATIVE EVALUATIONS;POWER GENERATION

3641 ENVIRONMENTAL ASPECTS OF NUCLEAR STIMULATION. Sandquist, G.M. (Univ. of Utah, Salt Lake City); Whan, G.A. pp 293-313 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
ELECTRIC POWER;ENVIRONMENT;USA;GEOTHERMAL ENERGY;GEOTHERMAL SYSTEMS;ENVIRONMENTAL EFFECTS; EXPLOSIVE STIMULATION;NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS;LEGAL ASPECTS;FOSSIL FUELS;SAFETY;RADIATION PROTECTION;OPERATION; ECONOMICS

3642 GEOTHERMAL MERCURY POLLUTION IN NEW ZEALAND. Weissberg, B.G.; Zobel, M.G.R.

(Chem. Div., Dep. Sci. Ind. Res., Lower Hutt, NZ). Bull. Environ. Contam. Toxicol.; 9: No. 3, 148-55(1973).
NEW ZEALAND;WATER POLLUTION;GEOTHERMAL FIELDS;FISHES;MERCURY;SEDIMENTS;ENVIRONMENTAL EFFECTS;ABUNDANCE;HOT SPRINGS

3643 ARSENIC IN THE WAIKATO RIVER SYSTEM. Reay, P.F. (Appl. Biochem. Div., Dep. Sci., Palmerston North, N.Z.). N.Z. Dep. Sci. Ind. Res., Inform. Ser.; 97: 365-76(1973).
ARSENIC;WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;WATER POLLUTION;ENVIRONMENTAL EFFECTS;TOXICITY;GEOTHERMAL FLUIDS

3644 REINJECTION EXPERIMENT IN THE VICO 1 WELL. Calamai, A.; Ceron, P.; Ferrara, G.; Manetti, G. (Centro di Ricerca Geotermica, Pisa, Italy). Geothermics; 2: No. 3-4, 117-118(1973).
From National Science Foundation: Italian National Research Council Gecthermal Seminar; Pisa, Italy (5 Nov 1973).
INJECTION WELLS;WASTE DISPOSAL;GEOTHERMAL FLUIDS;CARBONATES;SEISMIC EFFECTS;CALCIUM SULFATES;CHEMICAL COMPOSITION

3645 ECOLOGY OF BLUE-GREEN ALGAE IN HOT SPRINGS. Castenholz, R.W. (Oregon Univ., Eugene. Dept. of Biology). pp 379-414 of Biology of blue-green algae. Berkeley and Los Angeles; Univ. Calif. Press (1973).
HOT SPRINGS;ALGAE;ECOLOGY;OREGON;NITROGEN FIXATION;CARBONATES;CHEMICAL PROPERTIES;SODIUM; CHLORIDES

3646 GEOTHERMAL SOURCES AND DISTRIBUTION OF MERCURY IN HAWAII. Siegel, S.M.; Siegel, B.Z.; Eshleman, A.M.; Bachmann, K. (Univ. Hawaii, Honolulu, Hawaii). Environ. Biol. Med.; 2: No. 2, 81-9(1973).
GEOTHERMAL RESOURCES;MERCURY;DISTRIBUTION; LAVA;SEDIMENTS;ENVIRONMENT;ABUNDANCE;HAWAII; CHEMICAL COMPOSITION;VOLCANISM

3647 EFFECT OF VOLCANISM ON THE ATMOSPHERE AND SURFACE WATERS OF KAMCHATKA PENINSULA. Basharina, L.A. pp 574-80 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
VOLCANISM;ATMOSPHERIC PRECIPITATIONS;USSR; FLUORINE;CHLORINE;BROMINE;IODINE;SURFACE WATERS; ENVIRONMENTAL EFFECTS;CHEMICAL COMPOSITION;AIR POLLUTION;WATER POLLUTION

3648 RIVER WATER POLLUTED WITH ACIDIC HOT SPRING WATER. Ariizumi, A. (Kajima Inst. Constr. Technol., Kajima Corp., Chofu/Tokyo, Japan). Water Res.; 7: No. 3, 385-94(1973).
RIVERS;WATER POLLUTION;HOT SPRINGS; ENVIRONMENTAL EFFECTS;PH VALUE;JAPAN;THERMAL WATERS

3649 CHEMOAUTOTROPHIC AND THERMOPHILIC MICROORGANISM ISOLATED FROM AN ACID HOT SPRING. Brierley, C.L.; Brierley, J.A. (New Mexico Bureau of Mines and Mineral Resources, Socorro). Can. J. Microbiol.; 19: No. 2, 183-8(Feb 1973).
HOT SPRINGS;BACTERIA;MICROORGANISMS;SULFUR; OXIDATION

3650 INVESTIGATION ON THE RIVER WATER POLLUTED WITH ACIDIC HOT SPRING WATER. Ariizumi, A. (Kajima Inst. of Construction Technology, Tokyo, Japan). Water Res.; 7: No. 3, 385-94(Mar 1973).
JAPAN;HOT SPRINGS;HYDROCHLORIC ACID;RIVERS; WATER POLLUTION;PH VALUE

3651 REMOVAL OF ARSENIC FROM A HOT SPRING WATER AND FROM MINERAL WATERS. Pakholkov, V.S.; Ul'yanova, A.D. (to Kirov, S.M., Ural Polytechnic Inst.). USSR Patent 374,232. 20 Mar 1973. Filed date 10 Mar 1970.
HOT SPRINGS;ARSENIC;REMOVAL;IRON HYDROXIDES; PURIFICATION;MINERAL SPRINGS;THERMAL WATERS

3652 ECOLOGY OF YELLOWSTONE THERMAL EFFLUENT SYSTEMS. INTERSECTS OF BLUE-GREEN ALGAE, GRAZING FLIES (PARACOENIA, EPHYDRIDAE) AND WATER MITES (PARTNUNIELIA, HYDRACHNELLAE). Wiegert, R.G.; Mitchell, R. (Georgia Univ., Athens. Dept. of Zoology). Hydrobiologia ; 41: No. 2, 251-71(29 Mar 1973).
ECOLOGY;YELLOWSTONE NATIONAL PARK;THERMAL EFFLUENTS;HOT SPRINGS;ALGAE;BACTERIA;ARTHROPODS; GROWTH;AQUATIC ECOSYSTEMS

3653 WAIRAKEI, NOTE ON THE EFFECT OF THE WAIRAKEI GEOTHERMAL POWER PROJECT ON THE ENVIRONMENT, BOTH NATURAL AND HUMAN. pp 239-42 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS;CONSTRUCTION; OPERATION;GEOTHERMAL WELLS;WASTE MANAGEMENT; WASTE HEAT;LIQUID WASTES;PLANTS;FISHES;WATER POLLUTION;MAN

3654 EFFECTS OF THERMAL ADDITIONS FROM THE YELLOWSTONE GEYSER BASINS ON THE BENTHIC ALGAE OF THE FIREHOLE RIVER. Boylen, C.W.; Brock, T.D. (Wisconsin Univ., Madison. Dept. of Bacteriology). Ecology; 54: No. 6, 1282-91(Fal 1973).
RIVERS;YELLOWSTONE NATIONAL PARK;GEYSERS; WATER CHEMISTRY;TEMPERATURE MEASUREMENT;ALGAE; HEATING;COOLING;THERMAL POLLUTION;HOT SPRINGS; PH VALUE;ECOLOGY;ENVIRONMENTAL EFFECTS;PLANT GROWTH;CARBON DIOXIDE;THERMAL WATERS;SAMPLING

3655 MICROEARTHQUAKE INVESTIGATION OF THE MESA GEOTHERMAL ANOMALY, IMPERIAL VALLEY, CALIFORNIA. Combs, J.; Hadley, D.M. (Univ. California, Riverside; American Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1213-14(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
IMPERIAL VALLEY;CALIFORNIA;SEISMOLOGY; MICROEARTHQUAKES;GEOTHERMAL FIELDS

3656 REQUIREMENTS FOR ASSESSING THE CLIMATIC IMPACT OF GEOTHERMAL DEVELOPMENT IN LAKE COUNTY, CALIFORNIA. Coleman, R.B.; Mackay, K.P. (San Jose State Univ., CA; American Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1215(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS;HEAT;MOISTURE;COOLING TOWERS;CLIMATES; CALIFORNIA;METEOROLOGY

3657 GEOTHERMAL BRINES. ENVIRONMENTAL EFFECTS OF THEIR FUTURE USE AS AN ENERGY SOURCE. Coury, G.E. (Dept. of the Interior, Washington, DC). AIChE Symp. Ser.; 70: No.

136, 760-761(1974).
GEOTHERMAL FLUIDS;BRINES;ENVIRONMENTAL EFFECTS;EXPLOITATION;POWER GENERATION;BINARY CYCLES;GEOTHERMAL ENERGY;ECONOMICS

3658 POSSIBLE EFFECTS OF GEOTHERMAL WATER AND STREAM PRODUCTION ON THE SUBSURFACE ENVIRONMENT. Whiting, R.L. (Texas A and M Univ., College Station). AIChE Symp. Ser.; 70: No. 136, 762-771(1974).
GEOTHERMAL RESOURCES;EXPLOITATION; ENVIRONMENTAL EFFECTS;GROUND SUBSIDENCE; EARTHQUAKES;INJECTION WELLS;MATHEMATICAL MODELS; THERMODYNAMIC PROPERTIES;GEOTHERMAL WELLS; GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION

3659 POLLUTION CONTROL FOR GEOTHERMAL POWER PLANTS. Kuwada, J.T. (Rogers Engineering Co., Inc. San Francisco). AIChE Symp. Ser.; 70: No. 136, 772-776(1974).
GEOTHERMAL POWER PLANTS;POLLUTION;CONTROL; ENVIRONMENTAL EFFECTS;HYDROGEN SULFIDES;GASEOUS WASTES;LIQUID WASTES;WASTE DISPOSAL;IMPURITIES; AIR POLLUTION;LAND POLLUTION

3660 ENVIRONMENTAL PLANNING FOR THE GEOTHERMAL LEASING PROGRAM ON PUBLIC LANDS. Stone, R.T.; Friz, T.O.; Carlson, D.W. (Dept. of the Interior, Washington, DC). AIChE Symp. Ser.; 70: No. 136, 777-781(1974).
LAND LEASING;GEOTHERMAL RESOURCES; ENVIRONMENTAL EFFECTS;ENVIRONMENTAL IMPACT STATEMENTS

3661 ENVIRONMENTAL ASPECTS OF THE MULTI-PURPOSE DEVELOPMENT OF GEOTHERMAL RESOURCES. Wilson, J.S. (Dow Chemical, Midland, MI). AIChE Symp. Ser.; 70: No. 136, 782-787(1974).
CHEMICAL COMPOSITION;GEOTHERMAL RESOURCES; EXPLOITATION;ENVIRONMENTAL EFFECTS;BRINES; FLASHING;HYDROGEN SULFIDES;OXIDATION; FLOCCULATION;BORIC ACID;SILICON OXIDES;WASTE DISPOSAL;GEOTHERMAL FLUIDS;SIMULATION;REMOVAL; CARBON DIOXIDE;CORROSIVE EFFECTS

3662 ENVIRONMENTAL ASPECTS OF THE MULTIPURPOSE DEVELOPMENT OF GEOTHERMAL RESOURCES. Wilson, J.S. (Dow Chem., USA, Midland, Mich.). AIChE Symp. Ser.; 70: No. 136, 782-7(1974).
IMPERIAL VALLEY;BRINES;GEOTHERMAL RESOURCES; HYDROGEN SULFIDES;CARBON DIOXIDE;BORON HYDROXIDES;OXIDATION;SILICON OXIDES; FLOCCULATION;ENVIRONMENTAL EFFECTS;FLASHING; SIMULATION;SULFIDES;REMOVAL;THERMAL WATERS

3663 POSSIBLE EFFECTS OF GEOTHERMAL WATER AND STEAM PRODUCTION ON THE SUBSURFACE ENVIRONMENT. Whiting, R.L. (Dep. Pet. Eng., Texas A and M Univ., College Station, Tex.). AIChE Symp. Ser.; 70: No. 136, 762-71(1974).
GEOTHERMAL FLUIDS;EXPLORATION;HYDROLOGY; ENVIRONMENTAL EFFECTS;UNDERGROUND;SEISMOLOGY; PRODUCTION;CHEMICAL PROPERTIES

3664 ENVIRONMENTAL EFFECTS OF GEOTHERMAL ENERGY DEVELOPMENT. Bowen, R.G. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1432(1974).
GEOTHERMAL ENERGY;ENVIRONMENTAL EFFECTS; ENVIRONMENTAL IMPACT STATEMENTS;ENERGY SOURCES; GEOLOGY

3665 GEOTHERMAL ENERGY AND THE ENVIRONMENT. Miller, W.L. (Bureau of Mines, Washington, DC). pp 61-70 of Proceedings of a symposium on geothermal energy and Colorado. Pearl, R.H. (ed.). Denver; Colorado Geological Survey (1974).
From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).
GEOTHERMAL ENERGY;ENVIRONMENTAL EFFECTS;LAND USE;GROUND SUBSIDENCE;SEISMIC EFFECTS;BLOWOUTS; NOISE;GASEOUS WASTES;WATER POLLUTION

3666 POLLUTION CONTROL FOR GEOTHERMAL POWER PLANTS. Kuwada, J.T. (Rogers Eng. Co., Inc., San Francisco, CA). AIChE Symp. Ser.; 70: No. 136, 772-6(1974).
GEOTHERMAL POWER PLANTS;AIR POLLUTION;WATER POLLUTION;CONTROL;ENVIRONMENTAL EFFECTS

3667 ENVIRONMENTAL IMPACT OF GEOTHERMAL DEVELOPMENT. Bowen, R.G. (Oregon State, Dept. of Geology and Mineral Industries). pp 726-744 of Geothermal Resources. Part I and II. Washington, DC; Committee on Interior and Insular Affairs (1974).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; ENVIRONMENTAL EFFECTS;ELECTRIC POWER;NUCLEAR POWER;FOSSIL-FUEL POWER PLANTS

3668 GEOTHERMAL ENERGY AND THE ENVIRONMENT. Miller, W.L. (US Bureau of Mines, Washington, DC). Colo. Geol. Surv. Bull.; 35: 61-70(1974).
GEOTHERMAL ENERGY;ENVIRONMENT;HYDROGEN SULFIDES;ENVIRONMENTAL EFFECTS;BORON;AMMONIA; POLLUTION;GASEOUS WASTES;EMISSION

3669 ELECTRICITY FROM GEOTHERMAL, NUCLEAR, COAL SOURCES: AN ENVIRONMENTAL IMPACT COMPARISON. Bowen, R.G. pp vp. of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
ELECTRIC POWER;ENERGY SOURCES;GEOTHERMAL ENERGY;NUCLEAR POWER;COAL;ENVIRONMENTAL EFFECTS; POWER POTENTIAL;FOSSIL-FUEL POWER PLANTS; THERMAL POWER PLANTS;COMPARATIVE EVALUATIONS; NUCLEAR POWER PLANTS;GEOTHERMAL POWER PLANTS; POWER GENERATION

3670 EIR'S: TRUTH AND CONSEQUENCES. Taft, M.I.; Feffer, A.P. (Socio-Economic Systems, Inc., Los Angeles). pp vp. of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
Legislation, status, and recommendations for geothermal development. ENVIRONMENTAL IMPACT STATEMENTS;LEGISLATION;GEOTHERMAL RESOURCES; ENVIRONMENT;SOCIOLOGY;ECONOMICS;LAND USE

3671 HYDROGEN SULFIDE GAS CONCENTRATION IN BATH ROOMS AT THE HOT SPRINGS IN GUNMA PREFECTURE. Sakai, Y.; Takishima, T. (Gunma Inst. Public Health, Gunma, Japan). Onsen Kogakkaishi; 9: No. 2, 61-6(1974).
HYDROGEN SULFIDES;HOT SPRINGS;AIR POLLUTION; JAPAN

3672 MERCURY. ASPECTS OF ITS ECOLOGY AND ENVIRONMENTAL TOXICITY. Siegel, S.M. Semi-annual report. Hawaii Botanical Science Paper No. 33. Honolulu; United States of America (USA); Hawaii Univ., Dept. of Botany (1974). 58.6p. (N--74-22960). NTIS $4.25; $2.25 (mf).
MERCURY;ECOLOGY;TOXICITY;ENVIRONMENT; ENVIRONMENTAL EFFECTS;HAWAII;VOLCANOES; FUMAROLIC FLUIDS;ABUNDANCE;SEDIMENTS

3673 ALGAL EXCRETION AND BACTERIAL ASSIMILATION IN HOT SPRING ALGAL MATS. Bauld,

J.; Brock, T.D. (Wisconsin Univ., Madison. Dept. of Bacteriology). J. Phycol.; 10: No. 1, 101-6(1974).
HOT SPRINGS;BACTERIA;ALGAE;ECOSYSTEMS; NUTRIENTS;PHOTOSYNTHESIS

3674 IMPACTS OF ENERGY RESOURCES REMOVAL FROM FEDERAL AND INDIAN LANDS. Wayland, R.G. pp Paper 3.2-7, 13p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
NATIONAL ENVIRONMENTAL POLICY ACT;ENERGY SOURCES;RECOVERY;LEGISLATION;LAND USE;LAND RECLAMATION;REGULATIONS;MINERALS;ENVIRONMENTAL EFFECTS;LEASES;OIL WELLS;SITE SELECTION;WATER RESOURCES;NATURAL GAS WELLS;EXPLORATION;COAL MINING;PUBLIC RELATIONS;GROUND WATER;GEOTHERMAL WELLS;OIL SHALES;SHALE OIL;ECONOMICS

3675 VOLCANIC AIR POLLUTION. DELETERIOUS EFFECTS ON TOMATOES. Kratky, B.A.; Fukunaga, E.T.; Hylin, J.W.; Nakano, R.T. (Hawaii Agricultural experiment Station, Honolulu). J. Environ. Qual.; 3: No. 2, 138-40(Apr-Jun 1974).
AIR POLLUTION;VOLCANOES;FUMAROLIC FLUIDS; ENVIRONMENTAL EFFECTS;TOMATOES;VOLCANISM;HAWAII; RAIN WATER

3676 EMISSION CONTROL OF GAS EFFLUENTS FROM GEOTHERMAL POWER PLANTS. Axtmann, R.C. (Dep. Chem. Eng., Princeton Univ., Princeton, NJ). Environ. Lett.; 8: No. 2, 135-46(1975).
GEOTHERMAL POWER PLANTS;GASEOUS WASTES; CARBON DIOXIDE;HYDROGEN SULFIDES;HYDROGEN; METHANE;NITROGEN;AMMONIA;BORIC ACID; ENVIRONMENTAL EFFECTS;AIR POLLUTION

3677 GEOTHERMAL HAZARDS. MERCURY EMISSION. Siegel, S.M.; Siegel, B.Z. (Dep. Bot., Univ. Hawaii, Honolulu, HI). Environ. Sci. Technol.; 9: No. 5, 473-4(1975).
MERCURY;ENVIRONMENTAL EFFECTS;HAWAII;ICELAND; MAGMA SYSTEMS;NATURAL STEAM;AIR POLLUTION; GEOTHERMAL SYSTEMS;TOXICITY;HAZARDS

3678 FRACTURING AND SUBSIDENCE OF THE LAND SURFACE CAUSED BY THE WITHDRAWAL OF GROUND WATER IN THE MILFORD AREA, UTAH. Cordova, R.M.; Mower, R.W. (Geological Survey, Salt Lake City). pp 1039 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
GROUND WATER;GEOLOGIC FISSURES;GROUND SUBSIDENCE;UTAH;WATER RESERVOIRS;BOREHOLES; FLUID WITHDRAWAL

3679 SUBSIDENCE OF THE LAND SURFACE AND FORMATION OF EARTH CRACKS DUE TO GROUNDWATER WITHDRAWAL. Bouwer, H. (Water Conservation Lab., Phoenix, AZ). pp 1004-1005 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
GROUND SUBSIDENCE;GROUND WATER;GEOLOGIC FISSURES;SURFACES;EARTH CRUST;GROUND MOTION; EROSION;ENVIRONMENTAL EFFECTS;FLUID WITHDRAWAL

3680 EMISSION CONTROL OF GAS EFFLUENTS FROM GEOTHERMAL POWER PLANTS. Axtmann, R.C. (Princeton Univ., NJ). Environ. Lett.; 8: No. 2, 135-146(1975).
GASEOUS WASTES;AIR POLLUTION;HYDROGEN SULFIDES;CARBON DIOXIDE;HYDROGEN;METHANE; NITROGEN;BORON;BORON HYDROXIDES;AMMONIA; GEOTHERMAL SYSTEMS;GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY;STEAM

3681 ENVIRONMENTAL IMPACT OF A GEOTHERMAL POWER PLANT. Axtmann. (Dep. Chem. Eng., Princeton Univ., Princeton, NJ). Science; 187: No. 4179, 795-803(1975).
GEOTHERMAL POWER PLANTS;NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD;WATER POLLUTION;RIVERS; HYDROGEN SULFIDES;CARBON DIOXIDE;ARSENIC; MERCURY;ENVIRONMENTAL EFFECTS

3682 MERCURY IN SOME NEW ZEALAND WATERS. Weissberg, B.G. (Chem. Div., DSIR, Petone, New Zealand). N. Z. J. Sci.; 18: No. 2, 195-203(1975).
NEW ZEALAND;MERCURY;WATER;THERMAL WATERS; FRESH WATER;ABUNDANCE;SEDIMENTS;GEOTHERMAL FIELDS;WASTE WATER;REMOVAL

3683 GEOTHERMAL VARIATIONS AND EARTHQUAKES. (Earthquake Prediction Group, First Middle School, Yang-Chiang Hsien, Kwangtung Province). Acta Geophys. Sinica; 18: No. 1, 6-10(Jan 1975).
EARTHQUAKES;VARIATIONS;EARTH CRUST;STRESSES; CORRELATIONS;GEOTHERMAL SYSTEMS;THERMOCOUPLES; TEMPERATURE MEASUREMENT

3684 RECURRENT GEOTHERMALLY INDUCED DEBRIS AVALANCHES ON BOULDER GLACIER, MOUNT BAKER, WASHINGTON. Frank, D.; Post, A.; Friedman, J.D. (Geol. Survey, Tacoma, WA). J. Res. U.S. Geol. Surv.; 3: No. 1, 77-87(Jan-Feb 1975).
WASHINGTON;LANDSLIDES;SNOW;ROCKS;GLACIERS; VOLCANOES;FUMAROLES;HOT SPRINGS;HYDROTHERMAL ALTERATION;THERMAL WATERS;MELTING;MOUNTAINS; ENVIRONMENTAL EFFECTS

3685 FIDELITY OF THERMOPHILIC BLUE-GREEN ALGAE TO HOT SPRING HABITATS. Jackson, J.E. Jr.; Castenholz, R.W. (Univ. of Oregon, Eugene). Limnol. Oceanogr.; 20: No. 3, 305-322(May 1975).
ALGAE;TEMPERATURE DEPENDENCE;CULTURE MEDIA; HOT SPRINGS;PLANT GROWTH;YELLOWSTONE NATIONAL PARK;EVERGLADES NATIONAL PARK

3686 GEOTHERMAL HAZARDS. MERCURY EMISSION. Siegel, S.M.; Siegel, B.Z. (Departments of Botany and Microbiology, Univ. Hawaii, Honolulu, Hawaii). Environ. Sci. Technol.; 9: No. 5, 473-4(May 1975).
AIR POLLUTION;MERCURY;ENVIRONMENTAL EFFECTS; GEOTHERMAL WELLS;GEOTHERMAL EXPLORATION;HAZARDS

By-Products

Refer also to citation(s) 19, 324, 506, 792, 1084, 1279, 1404, 1436, 1464, 1907, 2535, 3724, 3725, 3726, 3727, 3728, 3738, 3744, 3794, 4123, 4311, 4324, 4361

3687 (ANCR--1220) FISH CULTURE UTILIZATION OF GEOTHERMAL ENERGY. Roberts, P.A. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Jun 1975. Contract E(10-1)-1375. 55p. Dep. NTIS $5.45.
GEOTHERMAL ENERGY;THERMAL WATERS;FISHES; WATER RESERVOIRS;MINERALS;HEAT;WATER RESOURCES; AQUACULTURE

3688 (BM-IC--8638) EXTRACTING MINERALS FROM GEOTHERMAL BRINES. LITERATURE SURVEY. Blake, R.L. (Twin Cities Metall. Res. Cent., Minn.). 1974. 25p.
GEOTHERMAL FLUIDS;BRINES;MINERALS;RECOVERY; ECONOMICS;USA;WASTE DISPOSAL;REVIEWS;BY-PRODUCTS

3689 (NSF/RA/N--74-159, pp 225-235) PRELIMINARY RESULTS OF GEOTHERMAL DESALTING OPERATIONS AT THE EAST MESA SITE IMPERIAL VALLEY, CALIFORNIA. Suemoto, S.H. (Bureau of Reclamation, Holtville, CA); Mathias, K.E. 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
PILOT PLANTS;BRINES;DESALINATION;GEOTHERMAL WELLS;DISTILLATION;OPERATION;EVAPORATORS; GEOTHERMAL FLUIDS;IMPERIAL VALLEY;CALIFORNIA; FEASIBILITY STUDIES;FLASHING

3690 UTILIZATION OF THE BORAX-BEARING SPRINGS. Ginori, C.G. Period. Mineral.; 7: No. 3, 304-6(1936).
Serrazzano plant. ITALY;BORIC ACID; PRODUCTION;INDUSTRIAL PLANTS;GEOTHERMAL ENERGY; POWER POTENTIAL;SOLFATARAS;ELECTRIC POWER;HEAT; BY-PRODUCTS;NATURAL STEAM

3691 BORAX-BEARING GEYSERS OF TUSCANY. Zuccari, G.C. Chim. Ind. (Milan); 63: No. 4, 382-4(Apr 1950).
GEYSERS;ITALY;BY-PRODUCTS;BORIC ACID; GEOTHERMAL POWER PLANTS;BORON CARBIDES;AMMONIUM COMPOUNDS;CARBONATES

3692 GEOTHERMAL PROBLEMS AND PRACTICAL APPLICATIONS OF THE EARTH'S HEAT. Vlodavets, V.I. Moscow; Union of Soviet Socialist Republics (USSR); Pervogo Vses. Sovesh. Geoterm. Issled. (1956). 255p.
GEOTHERMAL RESOURCES;USSR;MEETINGS; PROCEEDINGS;THERMAL WATERS;DISTRIBUTION

3693 NEW METHOD OF H_2S ABSORPTION AND RECOVERY OF SULPHUR FROM CARBON DIOXIDE GASES. Guntermann, W. Gas- Wasserfach; 97: No. 21, 896-9(1 Nov 1956).
VOLCANOES;NATURAL STEAM;GASES;HYDROGEN SULFIDES;RECOVERY;SULFUR;GEOTHERMAL POWER PLANTS;INDUSTRIAL PLANTS;ITALY

3694 LITHIUM AND OTHER MINERALS IN GEOTHERMAL WATERS. Wilson, S.H. Mineral Conference 6, Proc., Paper 127. Dunedin; New Zealand; Univ. Otago (1959). 14p.
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION;ECONOMICS;LITHIUM;SODIUM; POTASSIUM;LITHIUM CHLORIDES;RECOVERY

3695 UTILIZATION OF GEOTHERMAL ENERGY IN THE PRODUCTION OF BORIC ACID AND BY-PRODUCTS FROM THE LARDERELLO SOFFIANI. Lenzi, D. pp 512-16 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (In French with English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL FLUIDS;BORIC ACID;PRODUCTION;INDUSTRIAL PLANTS;NATURAL STEAM; ELECTRIC POWER;POWER POTENTIAL;SULFUR;AMMONIUM COMPOUNDS;BY-PRODUCTS;FUMAROLES;RECOVERY; CARBONATES

3696 GEOTHERMAL HEAT SHOWS POSSIBLE USE IN THE FIJI ISLANDS. Monro, J.N. Min. Eng. (London); 16: No. 9, 66-7(1964).
FIJI;HOT SPRINGS;DESALINATION;SEAWATER; GEOTHERMAL ENERGY;SALTS;RECOVERY;HEAT; EVAPORATION

3697 RECOVERY OF LITHIUM AND OTHER MINERALS FROM GEOTHERMAL WATER AT WAIRAKEI. Kennedy, A.M. pp 502-11 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;THERMAL WATERS; LITHIUM;RECOVERY;MINERALS;CHEMICAL COMPOSITION; DEMINERALIZATION

3698 WHAT'S INVOLVED IN THE NEW STEAM PLAY. Lawrence, C.J. Oil Gas J.; 62: No. 6, 60-3(1964).
SALTON SEA;GEOTHERMAL WELLS;MINERALS; RECOVERY;WASTE DISPOSAL;THERMAL WATERS; CALIFORNIA;GEOTHERMAL RESOURCES

3699 EXTRACTION OF SALT FROM SEA WATER BY MULTIPLE EFFECT EVAPORATORS USING NATURAL STEAM. Lindal, B. pp 479-82 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 3. New York; United Nations (1964). (French summary)
NATURAL STEAM;SALTS;EXTRACTION;BY-PRODUCTS; SEAWATER;EVAPORATION;EVAPORATORS

3700 GEOTHERMAL BRINE DRAWS MORTON SALT. Chem. Eng. News; 43: No. 5, 16(1965).
SALTON SEA;POTASSIUM CHLORIDES;RECOVERY; WASTE DISPOSAL;GEOTHERMAL POWER PLANTS;PILOT PLANTS;BRINES;CHEMICAL COMPOSITION

3701 FRESH WATER FROM GEOTHERMAL FLUIDS. Armstead, H.C.H. pp 106-16 of International Conference, Washington, DC, 1967, Volume 3. Washington, DC; US Government Printing Office (1968). (In French with Spanish abstract)
GEOTHERMAL FLUIDS;DESALINATION;FRESH WATER; PRODUCTION;NATURAL STEAM;VAPOR CONDENSATION; BRINES;USES

3702 GEOTHERMAL STEAM - CHEMICALS BOOST ITS APPEAL. Chemical Week; 104: 25-6(15 Mar 1969).
NATURAL STEAM;CHEMICAL COMPOSITION;BY-PRODUCTS;RECOVERY;ABUNDANCE;INDUSTRIAL PLANTS

3703 HEAVY WATER PRODUCTION WITH GEOTHERMAL STEAM. Valfells, A. (Science Inst., Univ. of Iceland, Revkjavik, Iceland). Geothermics; No. 2, 896-900(1970).
GEOTHERMAL RESOURCES;STEAM;HEAVY WATER; PRODUCTION;ION EXCHANGE;HYDROGEN SULFIDES;WATER; ECONOMICS;INDUSTRIAL PLANTS;GEOTHERMAL ENERGY

3704 PRODUCTION OF CHEMICALS FROM BRINE AND SEAWATER USING GEOTHERMAL ENERGY. Lindal, B. (Consulting engineer, Reykjavik, Iceland). Geothermics; No. 2, 910-7(1970).
BRINES;SEAWATER;SODIUM CHLORIDES;POTASSIUM CHLORIDES;CALCIUM CHLORIDES;GEOTHERMAL ENERGY;

PRODUCTION;MAGNESIUM;STEAM;RECOVERY;USES

3705 PRODUCTION OF FRESH WATER FROM THE ENDOGENOUS STEAM OF CERRO PRIETO GEOTHERMAL FIELD. De Anda, L.F.; Reyes S., C.; Tolivia M., E. (Fed. Comm. Elec., Mexico D.F., Mexico). Geothermics; Special Issue 2: 1632-5(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
FRESH WATER;WATER RESOURCES;MEXICO;CERRO PRIETO GEOTHERMAL FIELD;PILOT PLANTS;PRODUCTION; NATURAL STEAM;GEOTHERMAL POWER PLANTS;DESIGN; USES

3706 CONTRIBUTION TO THE MINERAL EXTRACTION FROM SUPERSATURATED GEOTHERMAL BRINES, SALTON SEA AREA, CALIFORNIA. Werner, H.H. (8 Bell Royal Court, Islington, Ontario, Canada). Geothermics; Special Issue 2: 1651-5(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HYDROTHERMAL SYSTEMS;BRINES;MINERALS;FRESH WATER;THERMODYNAMICS;CRYSTALLIZATION;AMINES; ADSORPTION;SEPARATION PROCESSES;EXTRACTION; PILOT PLANTS;SALTON SEA;CALIFORNIA

3707 EXPLORATION OF THE REYKJANES THERMAL BRINE AREA. Bjornsson, S.; Arnorsson, S.; Tomasson, J. (National Energy Authority, Reykjavik, Iceland). Geothermics; Special Issue 2: 1640-50(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
250 to 290°C. HYDROTHERMAL SYSTEMS;BRINES; ICELAND;SALINITY;ELECTRICAL SURVEYS;SODIUM CHLORIDES;ECONOMICS;POTASSIUM CHLORIDES;CALCIUM CHLORIDES;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;GEOCHEMICAL SURVEYS;RECOVERY; EXTRACTION;BASALT;INORGANIC COMPOUNDS;CHEMICAL COMPOSITION

3708 THERMAL WATERS AS A SOURCE FOR EXTRACTION OF CHEMICALS. Shcherbakov, A.V. (Geological Inst. of the Academy of Sciences, Moscow, USSR); Dvorov, V.I. (Inst. of Geology, Petrology, Mineralogy, and Geochemistry of the Academy of Sciences, Moscow, USSR). Geothermics; Special Issue 2: 1636-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;CHEMICAL COMPOSITION; BALNEOLOGY;VOLCANOES;BROMINE;POTASSIUM;LITHIUM; STRONTIUM;IODINE;RUBIDIUM;SEPARATION PROCESSES; USES;RECOVERY;INORGANIC COMPOUNDS;EXTRACTION

3709 IMPORTANCE OF A PRACTICAL RESEARCH INPUT TO WATER RESOURCES DEVELOPMENT. Fairchild, W.D. (Bureau of Reclamation, Denver, CO). pp 25-34 of Proceedings of Conference on Technology Transfer in Water Research. Denver; University Water Resources Research Institute (1972).
WATER RESOURCES;WEATHER;COLORADO RIVER; REMOTE SENSING;GEOTHERMAL ENERGY;ENGINEERING; COST;PLANNING;IRRIGATION;SALINITY;GEOTHERMAL RESOURCES

3710 SUBSURFACE WATERS AS A COMPLEX USEFUL MINERAL. MINERAL THERAPEUTIC WATERS. Krot, V.N.; Churshina, N.M. pp 253-62 of Gidrogeol. SSSR, Vol. 41. Sidorenko, A.V. (ed.). Moscow; "Nedra" (1972).
THERMAL WATERS;MINERALS;USSR;GEOLOGY; ARTESIAN BASINS;THERAPY;USES;HOT SPRINGS; DISTRIBUTION

3711 SALT SOLUTION MINING AND GEOTHERMAL HEAT UTILIZATION SYSTEM. Jacoby, C.H. (to International Salt Co.). US Patent 3,676,078. 11 Jul 1972. Filed date 19 Mar 1970. 6p.
SODIUM CHLORIDES;SOLUTIONS;MINING;THERMAL CONDUCTIVITY;RECRYSTALLIZATION;GEOTHERMAL SYSTEMS;RECOVERY;HEAT;GEOTHERMAL ENERGY

3712 GEOTHERMAL RESOURCES AS A SOURCE OF WATER SUPPLY. O'Brien, J.J. (Bureau of Reclamation, Washington, DC). J. Amer. Water Works Ass.; 64: No. 11, 694-700(Nov 1972).
GEOTHERMAL FIELDS;BRINES;DESALINATION;FRESH WATER;PRODUCTION;CALIFORNIA;GEOTHERMAL RESOURCES;GEOTHERMAL WELLS;ECONOMICS;COLORADO RIVER;WATER RESOURCES;MINERALS;ELECTRIC POWER; GEOTHERMAL POWER PLANTS;THERMAL WATERS

3713 PROCESSING OF SALINE GEOTHERMAL FLUIDS FOR MINERAL RECOVERY. Lindal, B.; Hornburg, C.C. Geotherm. Energy Mag.; 2: No. 4, 13-20(1974).
Reykjanes. BRINES;RECOVERY;NEW ZEALAND; GEOTHERMAL FLUIDS;MINERAL RESOURCES;SILICON OXIDES;MAGNESIUM;SULFATES;MINERALS;GEOLOGY;BY-PRODUCTS

3714 UTILIZATION OF CARBON DIOXIDE RESOURCES IN THE YUNOKAWA HOT SPRING. Fukuda, S.; Nagata, S. Chishitsu Nyusu; 242: 1-13(1974). (In Japanese).
JAPAN;HOT SPRINGS;CARBON DIOXIDE;EXTRACTION; RECOVERY

3715 REPORT ON THE BORAX DEPOSITS OF CALIFORNIA AND NEVADA. Hanks, H.G. pp 1-102 of California Mining Bureau, 3th Report of State Mineralogist, Part 2. Sacramento; Calif. Div. Mines (1883).
CALIFORNIA;NEVADA;BORAX;RECOVERY;LARDERELLO GEOTHERMAL FIELD;VOLCANIC REGIONS;MINERAL RESOURCES

Geothermal Power Plants

Refer also to citation(s) 154, 234, 237, 240, 333, 413, 458, 503, 563, 604, 613, 633, 635, 664, 725, 761, 791, 812, 831, 1014, 1060, 1317, 2447, 2826, 3476, 3485, 3535, 3538, 3539, 3541, 3543, 3545, 3546, 3554, 3691, 3965, 4142, 4324, 4375

3716 (ANCR--1208) GEOTHERMAL R AND D PROJECT REPORT FOR PERIOD OCTOBER 1, 1974 TO DECEMBER 31, 1974. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Feb 1975. Contract AT(10-1)-1375. 41p. Dep. NTIS $4.00.
GEOTHERMAL WELLS;WELL DRILLING;BINARY CYCLES; GEOTHERMAL POWER PLANTS;HEAT EXCHANGERS;SPACE HEATING;GEOTHERMAL ENERGY;RESEARCH PROGRAMS; GEOCHEMISTRY;ENVIRONMENTAL EFFECTS

3717 (ANCR--1222) GEOTHERMAL R AND D PROJECT REPORT FOR PERIOD 1 JANUARY 1975--31 MARCH 1975. Kunze, J.F. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Jun 1975. Contract AT(10-1)-1375. 60p. Dep. NTIS $5.45.
GEOTHERMAL POWER PLANTS;HEAT EXCHANGERS;

BINARY CYCLES;FLASHED STEAM SYSTEM;CHEMICAL COMPOSITION;WELL DRILLING;DESIGN;IDAHO; FABRICATION;HOT-WATER SYSTEMS;GEOTHERMAL FLUIDS

3718 (LA--5289-MS) GEOTHERMAL ENERGY. Smith, M.C. May 1973. Contract W-7405-eng-36. 31p. Dep. NTIS $4.00.
Present status and projections. GEOTHERMAL ENERGY;POWER POTENTIAL;FORECASTING;STEAM; ENVIRONMENT;ELECTRIC POWER;ECONOMICS; ELECTRICITY;GEOTHERMAL POWER PLANTS

3719 (NSF/RA/N--74-159, pp 310-311) ELECTRIC POWER GENERATION USING GEOTHERMAL BRINE RESOURCES FOR A PROOF-OF-CONCEPT FACILITY. Hankin, J.W. (Bechtel Corp., San Francisco). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
FEASIBILITY STUDIES;BRINES;PILOT PLANTS;HOT-WATER SYSTEMS;GEOTHERMAL ENERGY CONVERSION; EQUIPMENT;GEOTHERMAL POWER PLANTS;PLANNING

3720 (NSF/RA/N--74-159, pp 312-315) PHASE 0 STUDY FOR A GEOTHERMAL SUPERHEATED WATER PROOF-OF-CONCEPT FACILITY. Douglass, R.H.; Pearson, R.O. (TRW Systems Group, Redondo Beach, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
SITE SELECTION;HOT-WATER SYSTEMS;PLANNING; GEOTHERMAL ENERGY CONVERSION;FEASIBILITY STUDIES;PILOT PLANTS;GEOTHERMAL POWER PLANTS

3721 (NSF/RA/N--74-159, pp 319-324) HYDROGEN SULFIDE EMISSIONS ABATEMENT PROGRAM AT THE GEYSERS GEOTHERMAL POWER PLANT. Allen, G.W.; McCluer, H.K. (Pacific Gas and Electric Co., San Ramon, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
HYDROGEN SULFIDES;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;GASEOUS WASTES;WASTE DISPOSAL;OXIDATION;REMOVAL

3722 (PB--218830, pp 57) GEOTHERMAL DEVELOPMENT. Koenig, J.B. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY CONVERSION;HEAT EXCHANGERS;HOT-WATER SYSTEMS; EXPLOITATION;ENTHALPY;POWER GENERATION; FORECASTING;POWER POTENTIAL;2-METHYLPROPANE; CLOSED-CYCLE SYSTEMS;BINARY CYCLES;DESALINATION; PLANNING;ECONOMICS

3723 (PB--243920) DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY. RESEARCH DIGEST. (Electric Power Research Inst., Palo Alto, Calif. (USA)). May 1975. 123p. NTIS $5.25.
USA;ELECTRIC POWER;POWER GENERATION;RESEARCH PROGRAMS;DATA COMPILATION;PUBLIC UTILITIES; POWER TRANSMISSION;ENVIRONMENTAL EFFECTS;AIR POLLUTION;ENERGY STORAGE;FOSSIL-FUEL POWER PLANTS;HYDROELECTRIC POWER PLANTS;NUCLEAR POWER PLANTS;GEOTHERMAL POWER PLANTS;SOLAR POWER PLANTS

3724 NATURAL STEAM AT LARDERELLO, ITALY. Keller, W.D.; Valduga, A. J. Geol.; 54: No. 5, 327-34(1946).
ITALY;LARDERELLO GEOTHERMAL FIELD;GEOLOGY; NATURAL STEAM;GEOTHERMAL POWER PLANTS; GEOTHERMAL WELLS;RECOVERY;CHEMICAL COMPOSITION; BORIC ACID;PRODUCTION;MINERALS;INDUSTRIAL PLANTS;BY-PRODUCTS

3725 NATURAL STEAM AT LARDERELLO, ITALY. Keller, W.D.; Valduga, A. J. Geol.; 54: No. 5, 327-34(Sep 1946).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;NATURAL STEAM;BORIC ACID;MINERALS; RECOVERY;INDUSTRIAL PLANTS;ITALY

3726 BORAX-BEARING GEYSERS OF TUSCANY. Zuccari, G.C. Chim. Ind. (Milan); 63: 382-4(1950).
ITALY;POWER POTENTIAL;BY-PRODUCTS;GEYSERS; BORIC ACID;POWER GENERATION;GEOTHERMAL POWER PLANTS;RECOVERY

3727 TUSCAN BORACIC ''SOFFIONI'' AND THEIR DEVELOPMENT AT LARDERELLO. Mazzoni, A. Struct. Eng.; 39: No. 4, 97-106(Apr 1951).
LARDERELLO GEOTHERMAL FIELD;BORIC ACID;WELL DRILLING;THERMOELECTRICITY;GEOTHERMAL POWER PLANTS;GEOTHERMAL FLUIDS;BY-PRODUCTS;POWER POTENTIAL;ENERGY YIELD

3728 ENERGY BALANCE OF STEAM GEOTHERMAL POWER PLANTS. Tettamanzi, A.; Ciabattoni, G.; Mirone, M. Termotecnica (Milan); 9: 291-4(1955).
GEOTHERMAL POWER PLANTS;PERFORMANCE;GASEOUS WASTES;WASTE PROCESSING;AMMONIA;EXTRACTION; REMOVAL;RECOVERY

3729 NATURAL STEAM AND GEOTHERMAL POWER GENERATION. Maynard, G.R. Contract W-7405-Eng-48. Livermore, CA; United States of America (USA); Univ. Calif., Livermore Radiation Lab. (1958). 8p.
NATURAL STEAM;GEOTHERMAL ENERGY CONVERSION; BIBLIOGRAPHIES;GEOTHERMAL POWER PLANTS;HOT SPRINGS;GEYSERS

3730 CONSTRUCTION OF GEOTHERMAL STEAM POWER PLANTS UTILIZING NUCLEAR EXPLOSIVES. Carlson, R.H. pp 78-87 of Proceedings of 2. Plowshare Symposium, US AEC, San Francisco, Pt. 3. Albuquerque, NM; Sandia Corp. (1959).
From 2. Plowshare Symposium of US AEC; San Francisco, CA (1959).
GEOTHERMAL POWER PLANTS;CONSTRUCTION;NUCLEAR EXPLOSIVES;USES;STEAM;PLOWSHARE PROJECT

3731 GEOTHERMAL ENERGY. Meriel, Y. La Nature; No. 3292, 356-62(1959).
ICELAND;ITALY;NEW ZEALAND;GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY;POWER GENERATION

3732 DEVELOPMENT AND UTILIZATION OF GEOTHERMAL STEAM IN ITALY AND POSSIBILITIES OF DEVELOPMENT IN MEXICO. Espinosa, H.A. Asoc. Mexicana Geol. Petrol. Bol.; 13: No. 11-12, 347-355(1961).
LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM; GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY; MEXICO;EXPLOITATION;ITALY

3733 GEOTHERMAL POWER IN NEW ZEALAND. Australas. Eng.; 56: 35(Nov 1963).
GEOTHERMAL POWER PLANTS;WAIRAKEI GEOTHERMAL FIELD;POWER GENERATION;ELECTRIC CABLES;NEW ZEALAND;DIELECTRIC MATERIALS;POWER TRANSMISSION LINES

3734 PROPOSED 15-MEGAWATT GEOTHERMAL POWER STATION AT HVERAGERDI, ICELAND. Einarsson, S.S. pp 354-64 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, *Proceedings, Volume 3.* New York; United Nations (1964). (French summary)
Reykjavik. GEOTHERMAL POWER PLANTS;ICELAND; PLANNING;NATURAL STEAM;DESIGN

3735 PLANNING OF A GEOTHERMOELECTRIC POWER PLANT, TECHNICAL AND ECONOMIC PRINCIPLES. Chierici, A. pp 299-313 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL ENERGY;EXPLOITATION;ELECTRIC POWER;POWER GENERATION;ECONOMICS;GEOTHERMAL POWER PLANTS;PLANNING;GEOTHERMAL FIELDS;NATURAL STEAM;GEOTHERMAL WELLS;DRILLING;PRODUCTION; STEAM QUALITY;FLOW RATE;GEOLOGY;GEOLOGIC FAULTS

3736 GEOTHERMAL POWER DEVELOPMENT AT WAIRAKEI, NEW ZEALAND. Armstead, H.C.H. pp 274-83 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;NEW ZEALAND;POWER GENERATION; TURBOGENERATORS;THERMAL WATERS;NATURAL STEAM; POWER POTENTIAL;HOT-WATER SYSTEMS

3737 (UCRL-Trans--10726) FIRST GEOTHERMAL POWER STATIONS. Vymorkov, B.M. Translated from Vestn. Akad. Nauk SSSR; No. 10, 32-39(1965). 23p. Dep. NTIS $3.25.
USSR. GEOTHERMAL POWER PLANTS;USSR;ECONOMICS; POWER PLANTS;TURBINES;EXPLORATION;VOLCANOES; HEATING;GEOLOGY

3738 MORTON BIDS FOR POWER AND POTASH FROM BRINES. Chem. Eng. News; 43: No. 51, 21-2(1965).
IMPERIAL VALLEY;BRINES;ELECTRIC POWER;POWER GENERATION;GEOTHERMAL ENERGY;CALIFORNIA;NATURAL STEAM;EXPLOITATION;PILOT PLANTS;RECOVERY; POTASSIUM CHLORIDES

3739 US TO AID STUDY OF GEOTHERMAL INSTANT ENERGY PLANTS. Wyss, A. Public Util. Fortn.; 76: 62-3(16 Sep 1965).
USA;GEOTHERMAL POWER PLANTS;RESEARCH PROGRAMS;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY; POWER POTENTIAL;POWER GENERATION;ELECTRIC POWER

3740 PROBLEM OF UTILIZATION OF EARTH HEAT. Gokhshtein, D.P.; Martynovskii, V.S.; Datskovskii, V.M.; Minkus, B.A. Teploenergetika (Moscow); No. 2, 70-3(Feb 1966).
GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY; NATURAL STEAM;BINARY CYCLES;GEOTHERMAL FLUIDS

3741 JAPAN'S NEW GEOTHERMAL POWER PLANT. Calif. Div. Mines, Geol., Mineral Info. Serv.; 20: No. 5, 56(1967).
JAPAN;GEOTHERMAL POWER PLANTS;IMAGES

3742 NEW SOURCES AND METHODS OF ELECTRIC POWER GENERATION. Millionshchikov, M.D.; Baum, V.A. Transport; No. 6, 50-58(1968). (In Russian).
MAGNETOHYDRODYNAMICS;MHD GENERATORS;SOLAR THERMAL POWER PLANTS;GEOTHERMAL POWER PLANTS; REVIEWS

3743 GEYSERS GEOTHERMAL FIELD 1969. Koenig, J.B. California Div. Mines and Geology Mineral Inf. Ser.; 22: No. 8, 123-128(1969).
8,175 ft well depth, 250-280°C steam.
GEYSERS GEOTHERMAL FIELD;GEOLOGY;GEOTHERMAL POWER PLANTS;GRAYWACKE;BASALT;GEOLOGIC FAULTS; HOT SPRINGS;FUMAROLES;GEOTHERMAL ENERGY

3744 CONTRIBUTION TO THE KNOWLEDGE OF THE GEOTHERMAL FIELD OF LARDERELLO (TUSCANY-ITALY). REMARKS ON THE CARBOLI AREA. Cataldi, R.; Ferrara, G.C.; Stefani, G.; Tongiorgi, E. (Ente Nazionale per l'Energia Elettrica, Rome (Italy)). Bull. Volcanol.; 33: No. 1, 1-27(1969). (In Italian).
LARDERELLO GEOTHERMAL FIELD;ITALY;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER GENERATION; ELECTRIC POWER;HOT SPRINGS;FUMAROLES;NATURAL STEAM;THERMAL WATERS;GEOTHERMAL POWER PLANTS; GEOTHERMAL WELLS;GASES;BORIC ACID;PRODUCTION; ROCK DRILLING;USES

3745 JAPAN EXPLOITS GEOTHERM. Indus. Res.; 11: No. 2, 33(1969).
JAPAN;GEOTHERMAL RESOURCES;EXPLOITATION; GEOTHERMAL POWER PLANTS;POWER GENERATION; MATSUKAWA GEOTHERMAL FIELD;OTAKE GEOTHERMAL FIELD

3746 GEYSERS. Koenig, J.B. Calif. Div. Mines Geol., Miner. Inform. Serv.; 22: No. 8, 123-128(1969).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION; CALIFORNIA;GEOLOGY;NATURAL STEAM

3747 GETTING UP STEAM: GEOTHERMAL POWER IS SLOWLY MOVING FROM RESEARCH TO DEVELOPMENT. Summers, W.K.; Ross, S.H. Barrons; 49: 11(17 Nov 1969).
GEOTHERMAL ENERGY;ELECTRIC POWER;GEOTHERMAL POWER PLANTS;EXPLOITATION;POWER GENERATION

3748 DEVELOPMENT OF OTAKE GEOTHERMAL FIELD. Hayashida, T.; Ezima, Y. (Kyushu Electric Power Co., Inc., Research Div., Fukuoka, Japan). Geothermics; No. 2, 208-20(1970).
OTAKE GEOTHERMAL FIELD;GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION;ELECTRIC POWER; GEOTHERMAL POWER PLANTS;JAPAN;GEOPHYSICAL SURVEYS;TEMPERATURE GRADIENTS;ELECTRICAL SURVEYS;GEOCHEMICAL SURVEYS;GEOTHERMAL ENERGY

3749 PROGRESS REPORT ON GEOTHERMAL DEVELOPMENT IN ITALY. Cataldi, R.; Ceron, P. (ENEL - Direzione Studi e Ricerche, Centro di Ricerca Geotermica, Pisa, Italy); Di Mario, P.; Leardini, T. Geothermics; No. 2, 77-87(1970).
Technological progress, 285,200 kW plant capacities, 2746.8 million kWh power production. ITALY;GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;EQUIPMENT;ELECTRIC POWER; EXPLORATION;POWER GENERATION

3750 POWER STATION STRATEGY. James, R. (DSIR, Taupo, New Zealand). Geothermics; Special Issue 2: 1676-87(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL POWER PLANTS;ELECTRIC POWER;STEAM TURBINES;AQUIFERS;STEAM;WATER;MIXTURES;THERMAL WATERS;ECONOMICS;SPACE HEATING;GEOTHERMAL ENERGY;USES;HOT-WATER SYSTEMS

3751 RECENT PLANS OF GEOTHERMAL EXPLOITATION. Mori, Y. (Geothermal Power Div., Japan Metals and Chemicals Co., Ltd., Morioka, Japan). Geothermics; Special Issue 2: 1144-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
Kakkonda River Area, Japan. GEOTHERMAL POWER PLANTS;PLANNING;JAPAN;NATURAL STEAM;GEOTHERMAL EXPLORATION;POWER POTENTIAL;DRILLING;DRY-STEAM SYSTEMS

3752 IMPACT OF GEOTHERMAL POWER ON THE ENVIRONMENT. Bowen, R.G. Congressional record 32045; (16 Sep 1970).
GEOTHERMAL POWER PLANTS;ENVIRONMENTAL EFFECTS;ELECTRIC POWER;POWER GENERATION; ENVIRONMENT;POLLUTION

3753 GEOTHERMAL POWER UTILIZED AT UTILITY'S GEYSERS PLANT (PACIFIC GAS AND ELECTRIC COMPANY). McMasters, H.L. Air Cond., Heat., Refrig. News; 123: 19(23 Aug 1971).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;POWER GENERATION;SPACE HEATING; ELECTRIC POWER;CALIFORNIA

3754 GEOTHERMAL STEAM IN THE GEYSERS--CLEAR LAKE REGION, CA. Garrison, L.E. Geol. Soc. Am., Bull.; 83: No. 5, 1449-1468(May 1972).
182,000 kwh generated in 1971, 600,000 kwh projected for 1975. NATURAL STEAM;DRY-STEAM SYSTEMS;ELECTRIC POWER;POWER GENERATION;MAGMA; HEAT TRANSFER;PERMEABILITY;POROSITY;ROCKS; METEORIC WATER;THERMAL WATERS;POWER POTENTIAL; GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY

3755 ECONOMIC POWER FROM GEOTHERMAL HEAT. Anderson, J.H. Trans. Am. Nucl. Soc.; 15: No. 1, 17(Jun 1972).
GEOTHERMAL POWER PLANTS;DESIGN;OPERATION; ECONOMICS;GAS TURBINES;PLANNING;EFFICIENCY; ELECTRIC POWER;POWER GENERATION;WORKING FLUIDS; HOT-WATER SYSTEMS;2-METHYLPROPANE;BINARY CYCLES

3756 UTILITIES WARM UP TO HOT WATER POWER PLANTS. Electr. Light Power (Boston); 50: No. 13, 37-8(Jul 1972).
GEOTHERMAL POWER PLANTS;THERMAL WATERS;POWER POTENTIAL;EXPLOITATION;GEOTHERMAL ENERGY CONVERSION;HOT-WATER SYSTEMS

3757 UTILITIES WARM UP TO HOT WATER POWER PLANTS. Anderson, J.H. Electr. Light Power (Boston); 50: No. 13, 37-8(Jul 1972).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; ELECTRIC POWER;POWER GENERATION;THERMAL WATERS; POWER POTENTIAL;HOT-WATER SYSTEMS

3758 GEOTHERMAL ENERGY--GROWTH SPURRED ON BY ''POWERFUL MOTIVES''. Chasteen, A.J. (Union Oil Co. of California, Los Angeles). Mining Engineering; 24: No. 10, 100-102(Oct 1972).
630 MW planned capacity (1975). GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;ELECTRIC POWER; ECONOMICS;POWER GENERATION;POWER POTENTIAL

3759 ONLY GEOTHERMAL POWER PLANT IN THE UNITED STATES SOON TO BE WORLD'S LARGEST. (Aware, Community Performance Publications, Inc.). Aware; No. 25, 14(Oct 1972).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;POWER GENERATION

3760 ASSESSING ADVANCED METHODS OF GENERATION. Hauser, L.G. (Westinghouse Electric Corp., Pittsburgh). Arch. Energiewirtsch.; 27: No. 20, 989-999(1973). (In German).
NUCLEAR POWER PLANTS;BREEDER REACTORS; GEOTHERMAL ENERGY;SOLAR POWER PLANTS;FUEL CELLS; THERMONUCLEAR REACTORS;MHD GENERATORS;ENERGY SOURCES;EFFICIENCY;ENERGY CONVERSION; PERFORMANCE;COAL GASIFICATION

3761 LARDERELLO NATURAL STEAM POWER PLANT. Conti, P.G. pp 31-39 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;NATURAL STEAM;REVIEWS;GEOTHERMAL WELLS; BORIC ACID;BY-PRODUCTS;POWER POTENTIAL;ELECTRIC POWER;ITALY;POWER GENERATION

3762 (AD--785948) GEOTHERMAL POWER STATION. Translated from Tekh. Molodezhi; No. 1, 4-5(1973). 7p. (FSTC-HT--23-1674-73). NTIS $3.25.
GEOTHERMAL POWER PLANTS;PAUZHETSK GEOTHERMAL FIELD;USSR;EFFICIENCY;PARATUNKA GEOTHERMAL FIELD;FREONS;BINARY CYCLES;MAGMA SYSTEMS;HEAT PIPES

3763 APPLICATION OF GEOTHERMAL ENERGY TO THE SUPPLY OF ELECTRICITY IN RURAL AREAS. Cataldi, R.; di Mario, P.; Leardini, T. (ENEL, Direzione Studi e Ricerche, Roma, Italy). Geothermics; 2: No. 1, 3-16(Mar 1973).
GEOTHERMAL ENERGY;USES;ELECTRIC POWER; ECONOMICS;ELECTRIC GENERATORS;TURBOGENERATORS; POWER POTENTIAL;POWER GENERATION;GEOTHERMAL POWER PLANTS;RURAL AREAS

3764 GEOTHERMAL PAPER. Wehlage, E.F. pp 90-101 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
From Conference of Plant Engineers; Los Angeles, CA (14 Jun 1973).
Development of geothermal power industry. GEOTHERMAL POWER PLANTS;MANAGEMENT;POWER POTENTIAL;GEOTHERMAL ENERGY;ELECTRIC POWER; POWER GENERATION;USA;PERSONNEL;OPERATION; PLANNING

3765 PUBLIC POWER COUNCIL PRESENTS 10-YEAR GEOTHERMAL PROGRAM. Geotherm. Energy Mag.; 1: No. 2, 30-32(Sep 1973).
GEOTHERMAL ENERGY;PLANNING;GEOTHERMAL POWER PLANTS;GEOTHERMAL EXPLORATION;ECONOMICS; ENVIRONMENT;USA;RESEARCH PROGRAMS;INDUSTRY

3766 (JPRS--60673, pp 1-7) EXPERIMENTAL GEOTHERMAL POWER STATION. 3 Dec 1973. Translated from K'o Hsueh Shih Yen; No. 6, 36-37(1971). NTIS.
Translations on People's Republic of China,

No. 250. GEOTHERMAL ENERGY;PERFORMANCE; CHINA;DESIGN;ELECTRIC POWER;STEAM TURBINES; GEOTHERMAL POWER PLANTS

3767 UTILIZATION OF INTERMEDIATE-TEMPERATURE GEOTHERMAL BRINES IN THE PRODUCTION OF ELECTRIC POWER. Hollander, J.M.; Laird, A.D.K.; Mirk, K.F.; Wollenberg, H.A. (Univ. of California, Berkeley). pp 126-140 of Geothermal Resources. Part I and II. Washington, DC; Committee on Interior and Insular Affairs (1974).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; NEVADA;ECONOMICS;GEOTHERMAL RESOURCES;BRINES

3768 GEYSERS: PROBLEMS IN PROGRESS FACE SCHEDULE FOR AMERICA'S NEW GEOTHERMAL NEEDS AT CALIFORNIA'S GEYSERS IN '74 AND '75. Wehlage, E.F. (Edward F. Wehlage and Associated Engineers, Whittier, CA). pp 156-167 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
GEYSERS GEOTHERMAL FIELD;POWER GENERATION; FORECASTING;POWER POTENTIAL;GEOTHERMAL POWER PLANTS;REVIEWS;FINANCING

3769 EVALUATION OF SMALL POWER PLANT SYSTEMS FOR USE WITH GEOTHERMAL RESERVOIRS. Walter, R.A.; Stewart, D.H.; LaMori, P.N. (Battelle-Pacific Northwest Labs., Richland, WA). pp 168-200 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
From 9. intersociety energy conversion engineering conference ; San Francisco (26 Aug 1974).
GEOTHERMAL POWER PLANTS;FLASHED STEAM SYSTEM; ECONOMICS;BINARY CYCLES;POWER GENERATION;TABLES; COST;GEOTHERMAL WELLS

3770 PRACTICAL APPLICATION OF GEOTHERMAL STEAM. Finney, J.P. Public Util. Fortn.; 93: No. 3, 18-20(31 Jan 1974).
GEOTHERMAL ENERGY;USA;INDUSTRY;NATURAL STEAM; GEOTHERMAL EXPLORATION;COST;ELECTRIC POWER; GEOTHERMAL POWER PLANTS

3771 GREAT GREEN BOILER IN THE SKY. Russell, T.K. Geotherm. Energy Mag.; 2: No. 2, 35-48; 50-52(Feb 1974).
GEOTHERMAL ENERGY;MANAGEMENT;POWER TRANSMISSION;MARKET;POWER PLANTS;GEOTHERMAL POWER PLANTS;CONSTRUCTION;ENERGY CONSUMPTION; ENERGY SOURCES;FOSSIL FUELS;ENVIRONMENT; UNDERGROUND EXPLOSIONS;NUCLEAR EXPLOSIONS; DESALINATION;FRESH WATER;CALIFORNIA

3772 GEOTHERMAL ELECTRICITY PRODUCTION. Robson, G.R. (United Nations, New York). Science; 184: No. 4134, 371-375(19 Apr 1974).
GEOTHERMAL ENERGY;POWER GENERATION;POWER POTENTIAL;ITALY;USA;JAPAN;ICELAND;USSR;NEW ZEALAND;MEXICO;STEAM;ECONOMICS;INTERNATIONAL AGREEMENTS;INVESTMENT;GEOTHERMAL POWER PLANTS

3773 SOLAR AND GEOTHERMAL HEAT FOR ENERGY. Elektrotech. Z., B; 26: No. 10, 266(3 May 1974). (In German).
NATO CCMS project pilot plant. GEOTHERMAL POWER PLANTS;PILOT PLANTS;HOT-DRY-ROCK SYSTEMS; SOLAR POWER PLANTS;INTERNATIONAL ORGANIZATIONS

3774 UNION OIL TESTIMONY: GEYSERS POWER PLANT 12 HEARING (CALIFORNIA PUBLIC UTILITIES COMMISSION). Suter, V.E. Geotherm. Energy Mag.; 2: No. 10, 20-25(Oct 1974).
GEYSERS GEOTHERMAL FIELD;ENVIRONMENTAL EFFECTS;GEOTHERMAL POWER PLANTS;INDUSTRY; HEARINGS;WELL DRILLING;PLANNING;DRILLING FLUIDS

3775 PROPOSED USE OF SOLAR AND GEOTHERMAL ENERGY IN URANIUM PROCESSING. Morley, N.; Lowings, S. (Fluor Utah, Inc., San Mateo, CA). pp 673-685 of Efficient use of fuels in the metallurgical industries. Chicago; Institute of Gas Technology (1975).
From Symposium on efficient use of fuels in the metallurgical industries; Chicago, IL (9 Dec 1974).
Sohio Petroleum Co. uranium concentrate plant. GEOTHERMAL ENERGY;SOLAR ENERGY;USES; URANIUM;MINING;HOT-WATER SYSTEMS;ORE PROCESSING; ENVIRONMENTAL EFFECTS;ENGINEERING;COST;LEACHING

3776 TRAVALE STATION: ITALY'S GEOTHERMAL SUCCESS STORY. Wehlage, E.F. Geotherm. Energy Mag.; 3: No. 3, 17-18(Mar 1975).
15 Mw/day. ITALY;GEOTHERMAL POWER PLANTS; ECONOMICS;POWER GENERATION;GEOTHERMAL ENERGY

3777 TRAVALE STATION: ITALY'S GEOTHERMAL SUCCESS STORY. Wehlage, E.F. Geotherm. Energy Mag.; 3: No. 3, 17-18(Mar 1975).
15 Mw/day. ITALY;GEOTHERMAL POWER PLANTS; ECONOMICS;POWER GENERATION;GEOTHERMAL ENERGY

3778 RESEARCH AND DEVELOPMENT PROGRAM OF THE EUROPEAN COMMUNITIES IN THE FIELD OF ENERGY. II. Technol.-Nachr. Programm-Inf.; No. 112, 1-20(Apr 1975). (In German).
ENERGY;COORDINATED RESEARCH PROGRAMS; EUROPEAN COMMUNITIES;SOLAR ENERGY;GEOTHERMAL ENERGY;ENERGY CONVERSION;PHOTOLYSIS; PHOTOSYNTHESIS;PHOTOELECTRIC CELLS;HEATING; POWER GENERATION;THERMAL POWER PLANTS;ELECTRIC POWER;WATER VAPOR;PROSPECTING;STRUCTURAL MODELS; RECOMMENDATIONS;PLANNING;FINANCING;ORGANIC COMPOUNDS;DATA COMPILATION

3779 THE RISING SUN: LEADER IN GEOTHERMAL POWER. Wehlage, E.F.; Whittier, P.E. Trans., Int. Soc. Geotherm. Eng.; 1: No. 2, S.7410.1-S.7410.6(May 1975).
Development in Japan. JAPAN;POWER GENERATION; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; OPERATION;PLANNING;OTAKE GEOTHERMAL FIELD; MATSUKAWA GEOTHERMAL FIELD;REVIEWS

3780 GEOTHERMAL POWER AIDED BY TITANIUM ALLOY PUMPS. Chem. Process. (Chicago); 38: No. 6, 20(Jun 1975).
High heads produced by high-speed pumps permit operation at greater depths where brines are hottest. PUMPS;TITANIUM ALLOYS;BINARY CYCLES;SPECIFICATIONS;OPERATION;GEOTHERMAL POWER PLANTS;BRINES;PUMPING

3781 NON-NUCLEAR AND NON-FOSSIL ENERGY RESOURCES AND THEIR POSSIBILITIES FOR FUTURE POWER GENERATION. Meliss, M.; Oesterwind, D.; Voss, A. (Kernforschungsanlage Juelich G.m.b.H. (F.R. Germany). Systemforschung und Technologische Entwicklung). Kerntechnik; 17: No. 7, 301-306(Jul 1975).
GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY; ENERGY BALANCE;COST;POWER GENERATION;WIND;SOLAR ENERGY;SEAS;PLANNING;TIDAL POWER

Design and Operation

Refer also to citation(s) 495, 830, 838, 2012, 3532, 3627, 3681, 4139, 4146, 4213

3782 (AD--754947) SOVIET GEOTHERMAL ELECTRIC POWER ENGINEERING - REPORT 2. Stevovich, V.A. (Informatics, Inc., Rockville, Md. (USA)). Dec 1972. 84p. NTIS $3.00; $0.95 (mf).
USSR;GEOTHERMAL ENERGY CONVERSION; ENGINEERING;GEOTHERMAL POWER PLANTS;OPERATION; DESIGN;SPACE HEATING;AIR CONDITIONING; AGRICULTURE;THERMAL WATERS;REFRIGERATION; RANKINE CYCLE POWER SYSTEMS;CONSTRUCTION; MAINTENANCE;GEOTHERMAL ENERGY;USES

3783 (ANCR--1129, pp 390-395) CONCEPTUAL DESIGN OF A GEOTHERMAL DEMONSTRATION PLANT FOR THE RAFT RIVER BASIN. Kunze, J.F.; Miller, L.G.; Neill, D.T. Dec 1973.
Nuclear Technology Division annual progress report for period ending June 30, 1973.
GEOTHERMAL ENERGY;DESIGN;HIGH TEMPERATURE; POWER PLANTS;STEAM TURBINES;HEAT EXCHANGERS; COMPARATIVE EVALUATIONS;RANKINE CYCLE;IDAHO; ENVIRONMENT;GEOTHERMAL POWER PLANTS;PILOT PLANTS;THERMAL WATERS

3784 (ANCR--1138) LOW TEMPERATURE DEMONSTRATION GEOTHERMAL POWER PLANT IN THE RAFT RIVER VALLEY. Kunze, J.F.; Miller, L.G.; Neill, D.T.; Nichols, C.R. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Apr 1974. Contract AT(10-1)-1375. 52p. Dep. NTIS $5.45.
GEOTHERMAL POWER PLANTS;PILOT PLANTS; INJECTION WELLS;THERMAL WATERS;GEOLOGY;DESIGN; OPERATION;ECONOMICS;ENVIRONMENTAL EFFECTS;IDAHO

3785 (ANCR--1190) GEOTHERMAL R AND D PROJECT REPORT FOR PERIOD JULY 16, 1974--SEPTEMBER 30, 1974. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Oct 1974. Contract AT(10-1)-1375. 14p. Dep. NTIS $4.00.
GEOTHERMAL POWER PLANTS;BOREHOLES;GEOTHERMAL WELLS;HEAT EXCHANGERS;DESIGN;IDAHO;RESEARCH PROGRAMS;WELL DRILLING

3786 (ANCR--1203) COOLING METHODS STUDY FOR THE PROPOSED RAFT RIVER GEOTHERMAL POWER PLANT. Neitzel, J.W. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Apr 1975. Contract AT(10-1)-1375. 33p. Dep. NTIS $4.00.
GEOTHERMAL POWER PLANTS;CONDENSER COOLING SYSTEMS;PLANNING;STEAM TURBINES;GAS TURBINES; POWER POTENTIAL;PERFORMANCE;DESIGN;EFFICIENCY; EXHAUST GASES;BINARY CYCLES;FLASHED STEAM SYSTEM;IDAHO

3787 (ANCR--1245) ANALYSIS OF THE BINARY CYCLE FOR GEOTHERMAL POWER GENERATION. Madsen, W.W.; Ingvarsson, I.J. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Dec 1975. Contract E(10-1)-1375. 97p. Dep. NTIS $6.00.
BINARY-FLUID SYSTEMS;GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL FLUIDS;DESIGN;BOILING;2-METHYLPROPANE;GEOTHERMAL POWER PLANTS; THERMODYNAMIC PROPERTIES;COMPUTER CODES;SYSTEMS ANALYSIS

3788 (BNWL--1911) THERMODYNAMIC MODELING OF GEOTHERMAL POWER PLANTS. Walter, R.A.; Bloomster, C.M.; Wise, S.E. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). May 1975. Contract AT(45-1)-1830. 58p. Dep. NTIS $5.45.
COMPUTER CODES;GEOTHERMAL POWER PLANTS; OPTIMIZATION;MATHEMATICAL MODELS;G CODES; SIMULATION;COST;DESIGN;OPERATION;GEOTHERMAL SYSTEMS;FLASHED STEAM SYSTEM;BINARY CYCLES; TOTAL FLOW SYSTEM;GEOPRESSURED SYSTEMS; THERMODYNAMIC PROPERTIES;PHYSICAL PROPERTIES; THERMODYNAMICS;WORKING FLUIDS

3789 (CONF-710571--, pp vp, Paper 2) GEOTHERMAL POWER: ON LINE. Bruce, A.W. (Pacific Gas and Electric Co., San Francisco). 1971.
From 1. northwest conference on geothermal power; Olympia, Washington, USA (21 May 1971).
First northwest conference on geothermal power.
Historical development, cost analysis, and operating parameters for Geyser power plant.
GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;POWER GENERATION;ELECTRIC POWER;COST; EFFICIENCY;OPERATION

3790 (PB--218830, pp 23) GEOTHERMAL ACTIVITY IN 1971. Bowen, R.G. 1972.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;POWER GENERATION;PERFORMANCE TESTING; GEOTHERMAL ENERGY;EXPLOITATION;GOVERNMENT POLICIES;REGULATIONS;IMPERIAL VALLEY;SALTON SEA; GEOTHERMAL RESOURCES;POWER POTENTIAL;CALIFORNIA

3791 (UCID--16694) WASTE-HEAT REJECTION SYSTEM FOR THE TOTAL-FLOW TURBINE CONCEPT USING HOT GEOTHERMAL BRINES. Quong, R. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 18 Dec 1974. Contract W-7405-eng-48. 16p. Dep. NTIS $4.00.
GEOTHERMAL POWER PLANTS;WASTE HEAT;BRINES; FLUID FLOW;TOTAL FLOW SYSTEMS;TURBINES

3792 GEYSERS HARNESSED TO FURNISH POWER. Dun, H.H. Pop. Mech. Mag.; 39: No. 5, 705-706(1923).
GEYSERS GEOTHERMAL FIELD;NATURAL STEAM; GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;CALIFORNIA

3793 NATURAL STEAM PLANT - ITALY. Rogers, H.M. Southern Power Indust.; 63: 62-4(1945).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL WELLS; GEOTHERMAL POWER PLANTS;WELL CASINGS;NATURAL STEAM;DESIGN;OPERATION;INDUSTRIAL PLANTS

3794 STEAM POWER PLANTS, VOLCANIC. Rogers, H.M. Southern Power and Industry; 63: No. 9, 62-4(Sep 1945).
LARDERELLO GEOTHERMAL FIELD;ITALY;GEOTHERMAL POWER PLANTS;OPERATION;BORIC ACID;PRODUCTION; NATURAL STEAM;GEOTHERMAL WELLS;STEAM CONDENSERS; STEAM SEPARATORS

3795 POWER WITHOUT FUEL. Pennycuick, J.A.C. Electrician; 140: 117-18(1948).
ITALY;ISLANDS;GEOTHERMAL RESOURCES; GEOTHERMAL POWER PLANTS;OPERATION;POWER GENERATION;BINARY CYCLES;NATURAL STEAM;ALKANES; ORGANIC CHLORINE COMPOUNDS;STEAM TURBINES; TURBOGENERATORS;GAS TURBINES

3796 GEOTHERMIC CENTRAL POWER PLANT. Liceni, F. Bol. Inform. Petrol.; 27: No. 300, 55-62(Mar 1950).
GEOTHERMAL POWER PLANTS;OPERATION; PERFORMANCE;ITALY;LARDERELLO GEOTHERMAL FIELD; EQUIPMENT

3797 POWER GENERATION FROM HOT SPRING. Engr.; 174: 660-1, 691-3(1952). (UCRL--5298).
ZAIRE REPUBLIC;HOT SPRINGS;POWER GENERATION; GEOTHERMAL POWER PLANTS;MINING;TIN

3798 POWER GENERATION FROM HOT SPRING. Engineering (London); 174: No. 4530, 4531, vp(Nov 1952).
GEOTHERMAL POWER PLANTS;HOT SPRINGS;ZAIRE REPUBLIC;SPECIFICATIONS;ELECTRIC POWER;POWER GENERATION

3799 CHILEAN PROJECT FOR PRODUCING ALUMINUM BY MEANS OF GEOTHERMAL ENERGY. Baudart, G.A. Rev. Alum.; 32: No. 219, 247-9(Mar 1955).
CHILE;GEOTHERMAL POWER PLANTS;ALUMINIUM; INDUSTRIAL PLANTS;PLANNING;PRODUCTION;PILOT PLANTS;GEOTHERMAL ENERGY

3800 GENERATION OF ELECTRICAL POWER FROM HOT WATER SPRINGS. Vorster, W.H. South African Mech. Engr.; 5: 381-8(1956). (UCRL--5298).
CONGO PEOPLES REPUBLIC;GEOTHERMAL ENERGY;HOT SPRINGS;ELECTRIC POWER;POWER GENERATION;MINING; GEOTHERMAL POWER PLANTS;DESIGN;OPERATION;HOT-WATER SYSTEMS

3801 CONSTRUCTION OF GEOTHERMAL POWER STATION. Martindale, C.F. N. Z. Eng.; 14: No. 10, 337-46(15 Oct 1959).
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;ELECTRIC POWER; OPERATION;PIPELINES;DESIGN;CONSTRUCTION; PLANNING

3802 POWER FROM GEOTHERMAL STEAM AT GEYSERS POWER PLANT. Bruce, A.W.; Albritton, B.C. J. Power Div., Am. Soc. Civ. Eng.; 85: No. PO6, Pt. 1, paper 2287, 23-45(Dec 1959).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;SPECIFICATIONS;PERFORMANCE;CALIFORNIA

3803 NEW PG AND E POWER PLANT WILL UTILIZE NATURAL STEAM FROM 'GEYSERS'. Lindbeck, W. Pac. Bldr. and Engr.; 66: No. 5, 94-5(May 1960).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;CALIFORNIA;HOT SPRINGS;NATURAL STEAM; OPERATION;PLANNING;ELECTRIC POWER;CONSTRUCTION; TURBOGENERATORS

3804 NATURAL STEAM SOURCE HARNESSED FOR COMMERCIAL ELECTRIC POWER. Bruce, A.W. Electron. World; 153: No. 26, vp(27 Jun 1960).
CALIFORNIA;NATURAL STEAM;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION; ELECTRIC POWER;TURBOGENERATORS

3805 ELECTRICITY PRODUCTION WITH EARTH HEAT. Briem, E. Elteknik; 4: No. 6, 107-10(Jun 1961).
GEOTHERMAL POWER PLANTS;SPECIFICATIONS; ICELAND;DESIGN;GEOTHERMAL WELLS

3806 GEOTHERMAL POWER. Electr. Eng. (Melbourne); 38: No. 7, 34-9(10 Oct 1961).
GEOTHERMAL POWER PLANTS;WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS;WELL DRILLING; PERFORMANCE

3807 GEOTHERMAL POWER GENERATION IN NEW ZEALAND. Wood, D.E. AEI (Assoc. Electr. Ind.) Eng.; 3: No. 3, 118-22(May-Jun 1963).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;DESIGN;CONSTRUCTION; TURBOGENERATORS;ELECTRIC POWER;STEAM;DRYING

3808 EXPERIMENTAL INDUSTRIAL GEOTHERMAL STEAM POWER PLANT. Vymorkov, B.M. Teploenergetika (Moscow); No. 5, 21-6(May 1963).
USSR;GEOTHERMAL POWER PLANTS;DESIGN;PLANNING; CONSTRUCTION;PAUZHETSK GEOTHERMAL FIELD;HOT SPRINGS;GEOTHERMAL RESOURCES;GEOLOGY;HYDROLOGY; SITE SELECTION

3809 PROGRESS REALIZED IN INSTALLATIONS WITH ENDOGENOUS STEAM CONDENSING TURBINE-GENERATOR UNITS. Saporiti, A. pp 380-96 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
Larderello. LARDERELLO GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;PERFORMANCE;EFFICIENCY; DESIGN;TRANSPORT;CONSTRUCTION;PLANNING;STEAM TURBINES;TURBOGENERATORS;STEAM CONDENSERS;ITALY

3810 PROGRESS REALIZED IN INSTALLATIONS WITH ENDOGENOUS STEAM TURBINE-GENERATOR UNITS WITHOUT CONDENSER. Saporiti, A. pp 397-411 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL POWER PLANTS;STEAM TURBINES; TURBOGENERATORS;OPERATION;ECONOMICS;DESIGN; PERFORMANCE;MAINTENANCE

3811 GAMMA RADIOGRAPHY AT NEW ZEALAND GEOTHERMAL STEAM POWER STATION. Gray, C.M. At. Energy Aust.; 7: No. 3, 7-11(1964).
WAIRAKEI GEOTHERMAL FIELD;GAMMA RADIOGRAPHY; PIPELINES;NONDESTRUCTIVE TESTING;GEOTHERMAL POWER PLANTS;GAMMA SOURCES;PIPE JOINTS;WELDED JOINTS;NEW ZEALAND;RADIOISOTOPES

3812 REMARKS ON THE OPERATION OF THE GEOTHERMAL POWER STATIONS AT LARDERELLO AND ON THE TRANSPORTATION OF GEOTHERMAL FLUID. Di Mario, P. pp 314-53 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (In French and English)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;GEOTHERMAL FLUIDS;STEAM TURBINES;NATURAL STEAM;DRY-STEAM SYSTEMS; EFFICIENCY;POWER GENERATION;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;PIPELINES; TRANSPORT;THERMAL EXPANSION

3813 LATEST TRENDS IN THE DESIGN OF GEOTHERMAL PLANTS. Villa, F. pp 412-16 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL POWER PLANTS;DESIGN;LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM;DRY-STEAM

SYSTEMS;STEAM TURBINES

3814 METHODS AND EQUIPMENT FOR HARNESSING GEOTHERMAL ENERGY AT THE GEYSERS, CALIFORNIA, USA. English, E.F. pp 142-53 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;DESIGN;OPERATION;COST;PLANNING

3815 GEYSER STEAM IS GOOD BUY. Herron, E.A. Power Eng.; 70: No. 4, 48-50(Apr 1966).
GEYSERS;STEAM;GEOTHERMAL POWER PLANTS;GASES; CORROSIVE EFFECTS;SPECIFICATIONS

3816 HARNESSING GEOTHERMAL ENERGY. Moxey, R.L. Compressed Air Mag.; 71: No. 9, 10, 4-8, 8-14(Sep-Oct 1966).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;PERFORMANCE;MAGMATIC WATER; NATURAL STEAM;POWER GENERATION

3817 CALIFORNIA GEOTHERMAL PLANTS. Moxey, R.L. Ind. Min.; 19: No. 8, Sec. 2, 440-7(1968).
CALIFORNIA;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;OPERATION;PERFORMANCE; ELECTRIC POWER;POWER GENERATION;GEOTHERMAL ENERGY;NATURAL STEAM;ITALY;NEW ZEALAND; GEOTHERMAL RESOURCES;ENERGY RESERVES

3818 NEW SOURCES AND METHODS OF PRODUCING ELECTRICITY. Millionshchikov, M.D.; Baum, V.A. Moscow; United States of America (USA); Seventh World Energy Conference (1968). vp.
MAGNETOHYDRODYNAMICS;SOLAR POWER PLANTS; NUCLEAR POWER PLANTS;GEOTHERMAL POWER PLANTS; AIR POLLUTION;REVIEWS

3819 PROGRESS OF GEOTHERMAL DEVELOPMENT IN NEW ZEALAND. McKenzie, G.R.; Smith, J.H. pp 353-84 of 7. World Energy Conference, Aug 20-24, 1968, Moscow, Trans. v 13, Sect. C//4, 1969 paper 204. Moscow; (1969).
From 7. World Energy Conference; Moscow (20-24 Aug 1968).
GEOTHERMAL POWER PLANTS;WAIRAKEI GEOTHERMAL FIELD;PERFORMANCE;PRESSURE DROP;TEMPERATURE DEPENDENCE;HOT-WATER SYSTEMS;NEW ZEALAND

3820 AUTOMATION AND TELECONTROL OF THE GABBRO GEOTHERMAL CONDENSING POWER STATION. Corti, R.; Maxia, M. RC Riun. Ass. Elettrotec. Ital.; 44: No. 3, 7(1969). (Italian).
ITALY;GEOTHERMAL POWER PLANTS; TURBOGENERATORS;AUTOMATION;REMOTE CONTROL; REMOTE HANDLING;STEAM CONDENSERS;MEETINGS; PROCEEDINGS;LARDERELLO GEOTHERMAL FIELD; TELEVISION;CONTROL SYSTEMS

3821 EXPLOITATION OF GEOTHERMAL ENERGY FOR POWER PRODUCTION. Schewe, L.D. (Batelle Inst., Frankfurt/Main, W. Germany). Energie; 21: No. 4, 124-7(Apr 1969). (In German).
GEOTHERMAL POWER PLANTS;PERFORMANCE;POWER GENERATION;ECONOMICS;GEOTHERMAL ENERGY;ELECTRIC POWER

3822 NEW TRENDS IN PLANNING AND DESIGN OF GEOTHERMAL POWER PLANTS. Corti, R.; Di Mario, P.; Mondolfi, F. (ENEL - Compartimento di Firenze, Italy). Geothermics; No. 2, 768-9(1970).
GEOTHERMAL POWER PLANTS;PLANNING;DESIGN; PRODUCTIVITY;ITALY;EQUIPMENT

3823 DEVELOPMENT OF THE NAMAFJALL AREA, NORTHERN ICELAND. Ragnars, K.; Saemundsson, K. (National Energy Authority, Reykjavik, Iceland); Benediktsson, S.; Einarsson, S.S. Geothermics; No. 2, 925-35(1970).
Down-hole temperatures of 260°C. ICELAND; GEOTHERMAL POWER PLANTS;DESIGN;PLANNING; ECONOMICS;ELECTRIC POWER;SPACE HEATING;GEOLOGY; DRILLING;EQUIPMENT;GEOTHERMAL ENERGY;GEOLOGIC DEPOSITS;NAMAFJALL GEOTHERMAL FIELD

3824 MAINTENANCE OPERATIONS IN GEOTHERMAL POWER PLANTS. Ricci, G.; Viviani, G. (ENEL, Compartimento di Firenze, Servizio Elettrico, Larderello, Italy). Geothermics; No. 2, 839-47(1970).
GEOTHERMAL POWER PLANTS;MAINTENANCE;STEAM TURBINES;CHEMICAL PROPERTIES;PHYSICAL PROPERTIES

3825 IMPROVEMENTS IN RECENT ITALIAN GEOTHERMAL POWER PLANTS AND IMPORTANCE OF AUXILIARY UNITS. Ricci, G.; Viviani, G. (ENEL - Compartimento di Firenze, Servizio Elettrico, Larderello, Pisa, Italy). Geothermics; No. 2, 812-8(1970).
GEOTHERMAL POWER PLANTS;LARDERELLO GEOTHERMAL FIELD;MONTE AMIATA GEOTHERMAL FIELD; ITALY;OPERATION;PERFORMANCE;EFFICIENCY; EQUIPMENT;POWER GENERATION

3826 ENGINEERING ASPECTS OF A GEOTHERMAL POWER PLANT. Bruce, A.W. (Dept. Eng., Pacific Gas and Electric Co., San Francisco, CA). Geothermics; Special Issue 2: 1516-20(1970).
GEOTHERMAL POWER PLANTS;ENGINEERING;WASTE DISPOSAL;WATER;INJECTION WELLS;PIPELINES;DESIGN; ALUMINIUM;STEAM TURBINES;ECONOMICS;STAINLESS STEELS

3827 ENGINEERING AND DESIGN FEATURES OF THE OTAKE GEOTHERMAL POWER PLANT. Usui, T.; Aikawa, K. (Thermal Power Plant Eng. Dept., Nagasaki Shipyard and Engine Works, Mitsubishi Heavy Industries, Ltd., Nagasaki, Japan). Geothermics; Special Issue 2: 1533-45(1970).
12,000 kW output, 1.5 kg/cm² saturated steam. OTAKE GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ENGINEERING;DESIGN;STEAM;SPECIFICATIONS; HOT-WATER SYSTEMS;JAPAN

3828 PILOT GEOTHERMOELECTRIC POWER STATION IN PAUZHETKA, KAMCHATKA. Naymanov, O.S. (Glavseverovostokenergo, Ministry of Elec. Energy, Moscow, USSR). Geothermics; Special Issue 2: 1560-6(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
100,000 kW plant capacity. GEOTHERMAL POWER PLANTS;OPERATION;PILOT PLANTS;INDUSTRIAL PLANTS; HYDRODYNAMICS;NATURAL STEAM;HOT-WATER SYSTEMS; MIXTURES;PAUZHETSK GEOTHERMAL FIELD;USSR;STEAM TURBINES

3829 GEOTHERMAL POWER PLANT ON THE PARATUNKA RIVER. Moskvicheva, V.N.; Popov, A.E. (Thermal Physics Inst., Siberian Branch, USSR Acad. of Sciences, Novosibirsk, USSR). Geothermics; Special Issue 2: 1567-71(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2,

Part 2; Pisa (1970).
GEOTHERMAL POWER PLANTS;USSR;BINARY CYCLES; FREONS;POWER GENERATION;OPERATION;GAS TURBINES; PARATUNKA GEOTHERMAL FIELD;HEAT EXCHANGERS

3830 RECOVERY OF FLASH STEAM FROM HOT BORE WATER. Wigley, D.M. (Ministry of Works, Private Bag, Taupo, New Zealand). Geothermics; Special Issue 2: 1588-91(1970).
WAIRAKEI GEOTHERMAL FIELD;FLASHING;THERMAL WATERS;BOREHOLES;RECOVERY;STEAM SEPARATORS;HOT-WATER SYSTEMS;GEOTHERMAL POWER PLANTS

3831 MEASUREMENT AND TRANSMISSION OF STEAM IN MATSUKAWA GEOTHERMAL POWER PLANT. Uchiyama, M. (Japan Metals and Chemicals Co., Ltd., Morioka, Japan); Matsuura, S. (Nippon Eng. Co., Ltd., Japan). Geothermics; Special Issue 2: 1572-80(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
MATSUKAWA GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;FLUID FLOW;CHEMICAL COMPOSITION;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT;CORROSION;PIPELINES;DESIGN; SPECIFICATIONS;THERMAL WATERS;GEOTHERMAL WELLS; JAPAN;PERFORMANCE;TRANSPORT;NATURAL STEAM

3832 CURRENT STATUS OF GEOTHERMAL POWER PLANTS AT THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Barton, D.B. (Dept. Eng., Pacific Gas and Electric Co., 245 Market St., San Francisco, CA). Geothermics; Special Issue 2: 1552-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
82,000 kW current production, 110,000 kW planned. GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;CALIFORNIA;STEAM TURBINES; OPERATION;DESIGN;INJECTION WELLS;WASTE DISPOSAL; CORROSION;POWER GENERATION;PLANNING

3833 MATSUKAWA GEOTHERMAL POWER PLANT. Sato, H. (Matsukawa Geothermal Power Plant, Japan Metals and Chemicals Co. Ltd., Tokyo, Japan). Geothermics; Special Issue 2: 1546-51(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
20,000 kW. GEOTHERMAL POWER PLANTS;MATSUKAWA GEOTHERMAL FIELD;JAPAN;SCALING;ACCIDENTS; TURBINES;VALVES;EQUIPMENT;OPERATION;BLOWOUTS

3834 MECHANICAL FEATURES OF A GEOTHERMAL PLANT. Akiba, M. (Turbine Engng. Dept., Tokyo Shibaura Electric Co., Ltd., Tokyo, Japan). Geothermics; Special Issue 2: 1521-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL POWER PLANTS;JAPAN;DESIGN;TESTING; MATSUKAWA GEOTHERMAL FIELD;USES;SPECIFICATIONS

3835 NATURAL STEAM POWER DOUBLED BY UNIT 3 AT THE GEYSERS IN CALIFORNIA. Bruce, A.W.; Barton, D.B. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;NATURAL STEAM;POWER POTENTIAL; PRODUCTION;ELECTRIC POWER

3836 GEOTHERMAL GROWING AS A POWER SOURCE. Electr. World; 32-3(22 Jun 1970).
GEOTHERMAL RESOURCES;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;DESIGN;OPERATION; COST;HYDROGEN SULFIDES;CORROSION;CALIFORNIA; GEOTHERMAL ENERGY;ELECTRIC POWER;POWER GENERATION

3837 SUPERHEATING OF GEOTHERMAL STEAM FOR POWER. James, C.R. N. Z. Eng.; 25: No. 12, 325-30(Dec 1970).
100°F superheated steam, 50 lb/in. BOREHOLES; GEOTHERMAL FIELDS;SUPERHEATING;NATURAL STEAM; FUELS;WATER;MIXTURES;GEOTHERMAL POWER PLANTS; IMPURITIES;STEAM TURBINES;OPERATION; SUPERHEATERS

3838 SELECTION OF PARAMETERS AND RESULTS OF A STUDY OF A FREON POWER INSTALLATION. Popov, A.E. Tr., Vses. Nauch.-Issled., Proekt.-Konstr. Tekhnol. Inst. Kholod. Mashinostr.; 2: 124-44(1971).
GEOTHERMAL POWER PLANTS;DESIGN;PERFORMANCE; BINARY CYCLES;FREONS;BOILING POINTS

3839 SEISMIC DESIGN CONSIDERATIONS FOR PLOWSHARE GEOTHERMAL POWER STATIONS. Anderson, T.L.; Simonson, E.R. Geol. Soc. Am., Bull.; 3: No. 2, 73(1971).
PLOWSHARE PROJECT;EXPLOSIVE STIMULATION; GEOTHERMAL POWER PLANTS;DESIGN;EARTHQUAKES; SEISMIC SURVEYS

3840 GEOTHERMAL TURBINE-GENERATORS DELIVERED TO PG AND E COMPANY IN USA. Inoue, T.; Shibuya, S.; Senoo, M.; Tanabe, M. (Tokyo Shibaura Electric Co., Ltd., Japan). Toshiba Rev., Int. Ed.; 59: 5-12(Jul 1971).
TURBOGENERATORS;STEAM TURBINES;GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;HYDROGEN; GASEOUS WASTES;USA

3841 NATURAL STEAM-THE GEYSERS GEOTHERMAL POWER PLANT. Barton, D.B. Energy Int.; 8: No. 11, 23-7(Nov 1971).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;NATURAL STEAM;ENERGY SOURCES

3842 DEVELOPMENT OF GEOTHERMAL ENERGY IN MEXICO. Salazar, A.G. Soc. Geol. Mex., Conv. Nac., Mem.; No. 2, 152-3(1972).
MEXICO;GEOTHERMAL POWER PLANTS;OPERATION; GEOTHERMAL ENERGY;ELECTRIC POWER;GEOTHERMAL EXPLORATION

3843 FLASHED STEAM POWER PLANTS. Guiza L., J. pp 39-43 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;STEAM;FLASHING;OPERATION;HOT-WATER SYSTEMS

3844 GEYSERS POWER PLANT; DRY STEAM GEOTHERMAL FACILITY. Barton, D.B. pp 27-38 of Geothermal Resources Council, Conference, No. 1. Davis, CA; Geothermal Resour. Counc. (1972).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;DRY-STEAM SYSTEMS;OPERATION

3845 OPERATIONAL EXPERIENCES AT OTAKE GEOTHERMAL POWER STATION. Ueno, T. (Kyushu Electric Power Co.). Nenryo Kyokai-shi; 51: No. 541, 291-6(May 1972).

OTAKE GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;PERFORMANCE;JAPAN

3846 DESIGN AND OPERATION OF THE GEYSER'S POWER PLANT. Finney, J.P. (Pacific Gas and Electric Co., San Francisco). Trans. Am. Nucl. Soc.; 15: No. 1, 16-17(Jun 1972).
Plant capacity of 502,000 kW in 1974. GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;DESIGN;OPERATION;DRY-STEAM SYSTEMS; ELECTRIC POWER;POWER GENERATION;STEAM TURBINES; SCALING;ENVIRONMENT;POLLUTION;ECONOMICS;COST

3847 LARDERELLO AND MONTE AMIATA-ELECTRIC POWER FROM ENDOGENOUS STEAM. Elettrotecnica; 59: No. 8, 833-53(Aug 1972). (Italian).
LARDERELLO GEOTHERMAL FIELD;MONTE AMIATA GEOTHERMAL FIELD;GEOLOGY;MORPHOLOGICAL CHANGES; GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;NATURAL STEAM;OPERATION

3848 NEW GEOTHERMAL FIELD STARTS PRODUCING. Electr. World; 26-9(1 Aug 1972).
CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;STEAM MUFFLERS;DESIGN;EQUIPMENT; WELL DRILLING;GEOTHERMAL WELLS

3849 OPERATION OF GEOTHERMAL POWER STATIONS. Naimanov, O.S. (Central Constructors Bureau, Power, Kharkhov, USSR). Elektr. Stn.; No. 11, 77-8(Nov 1972). (Russian).
GEOTHERMAL POWER PLANTS;OPERATION;STEAM TURBINES;DESIGN

3850 GEOTHERMAL ENERGY. EXPERIENCE OF NEW ZEALAND. Jacamon, J.P. Ann. Mines; 73-9(Dec 1972). (In French).
GEOTHERMAL POWER PLANTS;POWER GENERATION;NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD;OPERATION

3851 DESIGN AND OPERATION OF THE GEYSERS POWER PLANT. Finney, J.P. (Pacific Gas and Electric Co., San Francisco). pp 145-161 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ., Press (1973).
OPERATION;CALIFORNIA;PLANNING;ENVIRONMENT; ELECTRIC POWER;STEAM;GEOTHERMAL RESOURCES;POWER PLANTS;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;DESIGN

3852 GEOTHERMAL POWER STILL IFFY. Weismantel, G. Chem. Eng.; 80: No. 6, 40-41(1973).
GEOTHERMAL POWER PLANTS;OPERATION;EFFICIENCY; ELECTRIC POWER;PRODUCTION;COST;CERRO PRIETO GEOTHERMAL FIELD;BRINES;CORROSIVE EFFECTS; ENVIRONMENT;POLLUTION;PERFORMANCE;WASTE DISPOSAL;DESALINATION

3853 GEYSERS GEOTHERMAL POWER PLANT. Finney, J.P. (Pacific Gas and Electric Co., San Francisco, CA). AIChE Symp. Ser.; 69: No. 129, 459-64(1973).
184 MW plant capacity, 502 MW projected by 1975. GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;STEAM TURBINES;DESIGN;OPERATION;PLANNING; POWER GENERATION;POWER POTENTIAL;CALIFORNIA

3854 GEOTHERMAL POWER PLANT DESIGN. Kuwada, J.T. (Rogers Engineering Co., San Francisco, CA). AIChE Symp. Ser.; 69: No. 129, 439-44(1973).
ELECTRIC POWER;GEOTHERMAL POWER PLANTS; DESIGN;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS

3855 SUBTERRANEAN HEAT AS A SOURCE OF ENERGY: LARDERELLO, ITALY. Breckenridge, L.P. (Yale Univ., New Haven). pp 41-50 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
From Meeting of the Metropolitan Section of the American Society of Mechanical Engineers; New York, NY (12 Nov 1925).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;REVIEWS;OPERATION;WELL DRILLING

3856 GEYSERS. Siegfried, H.N. pp 59-89 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
History of development, photographs. GEYSERS GEOTHERMAL FIELD;REVIEWS;GEOTHERMAL POWER PLANTS;WELL DRILLING;GEOTHERMAL WELLS;IMAGES; MASS TRANSFER;PRESSURE MEASUREMENT;NATURAL STEAM;FLOW RATE;GEOLOGY

3857 (AD--785948) GEOTHERMAL POWER STATION. Translated from Tekh. Molodezhi; No. 1, 4-5(1973). 7p. (FSTC-HT--23-1674-73). NTIS $3.25.
GEOTHERMAL POWER PLANTS;BINARY CYCLES;USSR; EFFICIENCY;FREONS;POWER GENERATION;MAGMA SYSTEMS;STEAM

3858 GEOTHERMAL POWER PROJECT OF PACIFIC GAS AND ELECTRIC COMPANY AT THE GEYSERS, CALIFORNIA. Finney, J.P.; Miller, F.J.; Mills, D.B. (Pacific Gas and Electric Co., San Francisco, CA). IEEE Trans. Power Appar. Syst.; PAS-92: No. 1, 108-15(Jan-Feb 1973).
GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;DESIGN;OPERATION;PLANNING;CALIFORNIA

3859 TECHNOLOGICAL 'BREAKTHROUGH' PROMISES TO TAP GEOTHERMAL POWER CHEAPLY. Anon. Eng. Min. J.; 174: No. 3, 26(Mar 1973).
Downhole heat exchanger. HEAT EXCHANGERS; GEOTHERMAL POWER PLANTS;BRINES;CORROSION RESISTANCE;HEAT TRANSFER;DESIGN;STEAM

3860 HEAT-STORAGE WELLS FOR CONSERVING ENERGY AND REDUCING THERMAL POLLUTION. Meyer, C.F.; Todd, D.K. pp 428-32 of 8th Intersociety energy conversion engineering conference proceedings. New York; American Inst. Aeronautics and Astronautics (Aug 1973).
GEOTHERMAL POWER PLANTS;ENERGY STORAGE; UNDERGROUND;WASTE HEAT;THERMAL POLLUTION; INJECTION WELLS;THERMAL EFFICIENCY;HEAT STORAGE

3861 GEOTHERMAL ENERGY SYSTEM. McCabe, B.C. (to Magma Energy Inc.). US Patent 3,757,516. 11 Sep 1973. Filed date 14 Sep 1971. 24p.
GEOTHERMAL ENERGY;ECONOMICS;WATER;ELECTRIC POWER;POLLUTION;RANKINE CYCLE;HEAT EXCHANGERS; FLASH HEATING;EFFICIENCY;DESIGN;EQUIPMENT; PLANNING;PATENTS;ENERGY SOURCES;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS;THERMAL WATERS; OPERATION

3862 GEOTHERMAL OPERATING EXPERIENCE AT GEYSERS POWER PLANT. Matthew, P. (Pacific Gas and Electric. Co., San Francisco, CA). ASCE J. Power Div.; 99: No. PO2, Paper 10127, 329-38(Nov 1973).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;CALIFORNIA;OPERATION;POWER GENERATION; ELECTRIC POWER;PERFORMANCE

3863 HEAT REJECTION FROM GEOTHERMAL POWER PLANTS. Anderson, J.H. (Sea Solar Power Inc., York, PA). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1065(Nov 1973).
GEOTHERMAL POWER PLANTS;WASTE HEAT;COOLING; THERMAL EFFICIENCY

3864 PGANDE'S GEOTHERMAL POWER PLANT IN CALIFORNIA: THE GEYSERS. Howe, H. pp vp. of Geothermal regulations. Davis, CA; Geothermal Resources Council (1974).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;POWER GENERATION;POWER POTENTIAL;NATURAL STEAM;DESIGN;OPERATION;COST;REGULATIONS; ENVIRONMENTAL EFFECTS;ELECTRIC POWER

3865 CIVIL ENGINEERING FEATURES OF A GEOTHERMAL POWER PLANT. Peters, S. (Pac. Gas and Electr. Co., San Francisco, CA). Preprint 2144. New York; United States of America (USA); ASCE (1974). 32p.
From ASCE national water resource engineering meeting; Los Angeles, CA (21-25 Jan 1974).
GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;GEOLOGY;GEOTHERMAL WELLS;SITE SELECTION; DESIGN;ENGINEERING;BUILDING MATERIALS;SEISMIC SURVEYS

3866 SOLAR AND GEOTHERMAL HEAT FOR ENERGY. Elektrotech. Z., B; 26: No. 10, 266(3 May 1974). (In German).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; PLANNING;SOLAR ENERGY;ENERGY SOURCES;PILOT PLANTS

3867 GEOTHERMAL STEAM STORY OR A HOT TIP FROM MOTHER EARTH. Birsic, R.J. Fullerton, CA; United States of America (USA); R.J. Birsic, Publisher (Jun 1974). 110p.
WAIRAKEI GEOTHERMAL FIELD;NEW ZEALAND; LARDERELLO GEOTHERMAL FIELD;ITALY;GEYSERS GEOTHERMAL FIELD;USA;MATSUKAWA GEOTHERMAL FIELD; JAPAN;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY;ECONOMICS;OPERATION

3868 GEOTHERMAL PLANT OF CERRO PRIETO, B.C., MEXICO, AND PROBLEMS ENCOUNTERED DURING ITS DEVELOPMENT. Geothermics; 3: No. 3, 125-6(Sep 1974).
MEXICO;GEOTHERMAL EXPLORATION;SEISMIC SURVEYS;WELL DRILLING;GEOTHERMAL WELLS; PERFORMANCE;CORROSION;SCALING;HOT-WATER SYSTEMS; CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION

3869 EXPERIMENTAL FREON GEOTHERMAL POWER STATION IN THE U.S.S.R. Schubin, B.F. Geotherm. Energy Mag.; 2: No. 10, 16-17(Oct 1974).
PARATUNKA GEOTHERMAL FIELD;USSR;GEOTHERMAL POWER PLANTS;FREONS;OPERATION;GAS TURBINES; BOILERS;BINARY CYCLES

3870 GEOTHERMAL BRINE ENERGY TO GENERATE POWER. Ellis, J.R.B.; Pryor, A.W. (to Chevron Research Company, San Francisco, CA). US Patent 3,862,545. 28 Jan 1975. Filed date 25 Apr 1974. 4p.
GEOTHERMAL POWER PLANTS;DESIGN;BRINES;STEAM TURBINES;ELECTRIC POWER;TURBOGENERATORS;WASTE DISPOSAL;UNDERGROUND DISPOSAL;FLASHING;STEAM CONDENSERS;GEOTHERMAL WELLS;VAPOR SEPARATORS

3871 JAPAN: GEOTHERMAL DEVELOPMENT IN HACHIMANTAI. Wehlage, E.F. (ed.). Geotherm. Energy Mag.; 3: No. 2, 19-24(Feb 1975).
HACHIMANTAI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GEOLOGY;JAPAN;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS; SPECIFICATIONS;ZINC;INDUSTRIAL PLANTS

3872 GEOTHERMAL POWER PLANT WITH HIGH EFFICIENCY. Baciu, P. US Patent 3,875,749. 8 Apr 1975. Filed date 18 Apr 1974. 18p.
GEOTHERMAL POWER PLANTS;CARBON DIOXIDE;GAS TURBINES;HEAT EXCHANGERS;BINARY CYCLES; EFFICIENCY;DESIGN;CONDENSERS;THERMODYNAMIC PROPERTIES

3873 GEOTHERMIC POWER STATIONS IN THE GEYSERS AREA OF CALIFORNIA, USA. Kaschube, G.A. (Pacific Gas and Electric Co., San Francisco). Brennst.-Waerme-Kraft; 27: No. 11, 413-418(Nov 1975). (In German).
GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;CALIFORNIA;CORROSION;OPERATION;NATURAL STEAM

3874 ANALYSIS OF GEOTHERMAL POWER PLANT WATER USING GAMMA RAYS FROM CAPTURE OF ^{252}CA NEUTRONS. Duffey, D. (Univ. of Maryland, College Park); Balogna, J.P.; Wiggins, P.F. Nucl. Technol.; 27: No. 3, 488-499(Nov 1975).
THERMAL WATERS;GEOTHERMAL FLUIDS;GEOTHERMAL POWER PLANTS;GAMMA SPECTROSCOPY;HOT SPRINGS;NEW MEXICO;CHLORINE;SODIUM;CALCIUM;SILICON;TRACE AMOUNTS;CALIFORNIUM 252;CHEMICAL ANALYSIS; NUCLEAR REACTION ANALYSIS;GEOTHERMAL WELLS

Power Plant Systems and Components

Refer also to citation(s) 298, 301, 303, 3527, 3722, 3786, 3788, 3872, 3952, 3954, 3961, 3962, 3963, 4024, 4038

3875 (ANCR--1191) PRELIMINARY THERMAL ANALYSIS OF BINARY CYCLE FOR GEOTHERMAL PILOT PLANT. Madsen, W.W.; Ingvarsson, I.J. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Feb 1975. Contract AT(10-1)-1375. 70p. Dep. NTIS $5.45.
BINARY CYCLES;WORKING FLUIDS;FREONS; THERMODYNAMIC PROPERTIES;PHYSICAL PROPERTIES;2-METHYLPROPANE;GEOTHERMAL POWER PLANTS; THERMODYNAMICS;PERFORMANCE

3876 (ANCR--1224) REVIEW AND TENTATIVE SELECTION OF A WORKING FLUID FOR USE WITH A MEDIUM TEMPERATURE (300°F) GEOTHERMAL RESOURCE. Whitbeck, J.F. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Jul 1975. Contract E(10-1)-1375. 19p. Dep. NTIS $4.00.
WORKING FLUIDS;BINARY CYCLES;GEOTHERMAL ENERGY CONVERSION;PERFORMANCE;COMPARATIVE EVALUATIONS;2-METHYLPROPANE;THERMODYNAMIC PROPERTIES

3877 (ANCR--1226) CONCEPTUAL DESIGN AND COST EVALUATION OF ORGANIC RANKINE CYCLE ELECTRIC GENERATING PLANT POWERED BY MEDIUM TEMPERATURE GEOTHERMAL WATER. Dart, R.H.; Neill, D.T.; Whitbeck, J.F. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Dec 1975. Contract E(10-1)-1375. 80p. Dep. NTIS $6.00.
GEOTHERMAL POWER PLANTS;BINARY-FLUID SYSTEMS; RANKINE CYCLE POWER SYSTEMS;ECONOMICS; GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL FLUIDS;

BRINES;2-METHYLPROPANE;COST;DESIGN; SPECIFICATIONS;POWER GENERATION;ELECTRIC POWER

3878 (CONF-740209--, pp 431-508) TOTAL FLOW CONCEPT FOR RECOVERY OF ENERGY FROM GEOTHERMAL HOT BRINE DEPOSITS. Higgins, G.H. (Lawrence Livermore Lab., CA). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
TOTAL FLOW SYSTEM;GEOTHERMAL ENERGY CONVERSION;ELECTRIC POWER;BRINES;GEOTHERMAL FLUIDS;SALTON SEA GEOTHERMAL FIELD;POWER POTENTIAL;COST;CHEMICAL COMPOSITION; THERMODYNAMICS;TURBINES;SCALING;CORROSION

3879 (CONF-750525--14) MODERATE TEMPERATURE UTILIZATION PROJECT IN THE RAFT RIVER VALLEY. Kunze, J.F.; Miller, L.G.; Whitbeck, J.F. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). 1975. 25p. Dep. NTIS $4.50.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975).
HOT-WATER SYSTEMS;MEDIUM TEMPERATURE; ELECTRIC POWER;POWER GENERATION;GEOTHERMAL ENERGY CONVERSION;FLASHED STEAM SYSTEMS;BINARY CYCLES;DESIGN;ECONOMICS;HEAT EXCHANGERS;IDAHO

3880 (LA-UR--75-1463) GEOTHERMAL ENERGY. Tester, J.W.; Milora, S.L. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-eng-36. 18p. (CONF-750733--1). Dep. NTIS $4.00.
GEOTHERMAL RESOURCES;THERMODYNAMIC CYCLES; ELECTRIC POWER;ECONOMICS;RANKINE CYCLES; GEOTHERMAL SYSTEMS;WORKING FLUIDS;PERFORMANCE; THERMODYNAMIC PROPERTIES;OPTIMIZATION;BINARY CYCLES;REVIEWS

3881 (LBL--3238) CALCULATION OF GEOTHERMAL POWER PLANT CYCLES USING PROGRAM GEOTHM. Green, M.A.; Pines, H.S. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). May 1975. Contract W-7405-ENG-48. 33p. (CONF-750525--11). Dep. NTIS $4.75.
COMPUTER CODES;G CODES;THERMODYNAMICS; GEOTHERMAL POWER PLANTS;FLASHED STEAM SYSTEM; BINARY CYCLES;TOTAL FLOW SYSTEM;MATHEMATICAL MODELS;ENERGY YIELD;AMMONIA;2-METHYLPROPANE; OPTIMIZATION;DESIGN;WORKING FLUIDS;FREONS

3882 (NSF/RA/N--74-159, pp 186-193) TOTAL FLOW CONCEPT FOR GEOTHERMAL ENERGY CONVERSION. Austin, A.L. (Univ. of California, Livermore). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL ENERGY CONVERSION;TOTAL FLOW SYSTEM;LAWRENCE LIVERMORE LABORATORY;BRINES; GEOTHERMAL FLUIDS;NATURAL STEAM;THERMODYNAMICS; TURBINES;DESIGN;TWO-PHASE FLOW;EXPANSION; GEOTHERMAL POWER PLANTS

3883 (NSF/RA/N--74-159, pp 301-309) HELICAL ROTARY SCREW EXPANDER POWER SYSTEM. McKay, R.A. (Jet Propulsion Lab., Pasadena, CA); Sprankle, R.S. 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL ENERGY CONVERSION;TOTAL FLOW SYSTEM;EXPANSION;VAPORS;HOT-WATER SYSTEMS; ROTORS;EQUIPMENT

3884 (ORNL-MIT--180) CHOICE OF WORKING FLUID AND OPERATING CONDITIONS FOR ENERGY CONVERSION WITH GEOTHERMAL HEAT SOURCES. Landgraf, K.R.; Kudrnac, K.I.; Solares, R. (Oak Ridge National Lab., Tenn. (USA)). 23 Oct 1973. 68p. Dep. NTIS $4.50.
WORKING FLUIDS;COMPARATIVE EVALUATIONS; GEOTHERMAL ENERGY CONVERSION;THERMODYNAMIC CYCLES;RANKINE CYCLE;BINARY-FLUID CYCLES;FREONS; 2-METHYLPROPANE;AMMONIA;SULFUR DIOXIDE;CARBON DIOXIDE;ALKANES;ALKENES;EFFICIENCY;PERFORMANCE; TOPPING CYCLES;BOTTOMING CYCLES;BRAYTON CYCLE; TABLES

3885 (PB--218830, pp 14) GEOTHERMAL GROWING AS A POWER SOURCE. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
JAPAN;USA;USSR;GEOTHERMAL ENERGY;POWER GENERATION;ELECTRIC POWER;GEOTHERMAL ENERGY CONVERSION;COST;ECONOMICS;HEAT EXCHANGERS;2-METHYLPROPANE;EXPLOITATION;BINARY CYCLES; GEOTHERMAL POWER PLANTS

3886 (UCID--16721) LLL GEOTHERMAL ENERGY DEVELOPMENT PROGRAM. STATUS REPORT, JANUARY 1974--JANUARY 1975. Austin, A.L. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 14 Feb 1975. 50p. Dep. NTIS $5.50.
Impulse turbines, Total Flow conversion systems. GEOTHERMAL ENERGY CONVERSION;RESEARCH PROGRAMS;HOT-WATER SYSTEMS;BRINES;TWO-PHASE FLOW;TURBINES;PRECIPITATION;SCALING; GEOCHEMISTRY;CHEMICAL COMPOSITION;MATERIALS TESTING;CORROSION;GAS ANALYSIS;DESIGN;NOZZLES; GEOTHERMAL RESOURCES;SALTON SEA;GEOPRESSURED SYSTEMS

3887 (UCID--16954) LLL GEOTHERMAL ENERGY DEVELOPMENT PROGRAM STATUS REPORT, JANUARY 1975--AUGUST 1975. Austin, A.L.; Howard, J.H.; Lundberg, A.W.; Tardiff, G.E. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Sep 1975. Contract W-7405-Eng-48. 89p. Dep. NTIS $5.00.
LAWRENCE LIVERMORE LABORATORY;PLANNING; RESEARCH PROGRAMS;GEOTHERMAL ENERGY CONVERSION; TOTAL FLOW SYSTEM;BRINES;MATERIALS;CHEMISTRY; ENGINEERING;GEOTHERMAL RESOURCES;HOT-WATER SYSTEMS;SCALING;GEOLOGY;SALTON SEA GEOTHERMAL FIELD

3888 (UCRL--50016-75-2, pp 5-8) PERFORMANCE OF TWO-PHASE NOZZLES FOR TOTAL FLOW GEOTHERMAL IMPULSE TURBINES. 1975.
Mechanical engineering department. Quarterly report: April--June 1975.
TOTAL FLOW SYSTEMS;NOZZLES;PERFORMANCE; GEOTHERMAL WELLS;TWO-PHASE FLOW;MATHEMATICAL MODELS;PRESSURE MEASUREMENT;TURBINES

3889 (UCRL--51861) PERFORMANCE TEST OF A LYSHOLM ENGINE. Weiss, H.; Steidel, R.; Lundberg, A. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 3 Jul 1975. Contract W-7405-eng-48. 18p. Dep. NTIS $4.00.
TOTAL FLOW SYSTEM;GEOTHERMAL ENERGY CONVERSION;ENGINES;EFFICIENCY;STEAM;WATER;

TESTING;GEOTHERMAL FLUIDS;PERFORMANCE;EXPANSION

3890 (UCRL--51912) GEOTHERMAL BINARY FLUID CYCLE: HEAT EXCHANGER AREA REQUIREMENTS AND INITIAL COSTS. Giedt, W.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 23 Sep 1975. Contract W-7405-Eng-48. 27p. Dep. NTIS $4.50.
BINARY CYCLES;GEOTHERMAL ENERGY CONVERSION; WORKING FLUIDS;EFFICIENCY;THERMODYNAMIC PROPERTIES;BRINES;HEAT EXCHANGERS;COST; PERFORMANCE;OPTIMIZATION;GEOTHERMAL FLUIDS

3891 (UCRL--52000-75-8, pp 1-8) ADVANCED ENERGY SYSTEMS. Aug 1975.
Lawrence Livermore Laboratory energy and technology review.
GEOTHERMAL ENERGY CONVERSION;TOTAL FLOW SYSTEM;TURBINES;NOZZLES;SALTON SEA GEOTHERMAL FIELD;BRINES;EQUIPMENT;TESTING;MATERIALS TESTING

3892 (UCRL--52000-75-8) LAWRENCE LIVERMORE LABORATORY ENERGY AND TECHNOLOGY REVIEW. Carr, R.B.; Barnett, J.M.; Berlo, R.C.; McCaleb, C.S.; Prono, J.K. (eds.). (California Univ., Livermore (USA). Lawrence Livermore Lab.). Aug 1975. Contract W-7405-Eng-48. 24p. Dep. NTIS $4.00.
LEADING ABSTRACT;LAWRENCE LIVERMORE LABORATORY;RESEARCH PROGRAMS;GEOTHERMAL ENERGY CONVERSION;AIR POLLUTION;MONITORING;RADIOACTIVE EFFLUENTS;DIFFUSION;RADIATION MONITORING;DATA ACQUISITION SYSTEMS;NUCLEAR MATERIALS MANAGEMENT;URANIUM;PLUTONIUM;INVENTORIES

3893 (UCRL--76532) PROSPECTS FOR ADVANCES IN ENERGY CONVERSION TECHNOLOGIES FOR GEOTHERMAL ENERGY DEVELOPMENT. Austin, A.L. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 27 May 1975. 36p. (CONF-750525--8). Dep. NTIS $4.00.
GEOTHERMAL ENERGY CONVERSION;FLASHED STEAM SYSTEM;BINARY CYCLES;TOTAL FLOW SYSTEM; PERFORMANCE;EFFICIENCY;DESIGN

3894 THERMODYNAMIC POWER CYCLE FOR RECOVERY OF GEOTHERMAL ENERGY. Howerton, M.T. (Martin Marietta Aerosp., Denver, CO). Intersociety Energy Conversion Engineering Conference, 8th, Proceedings, Papers, Univ. of Pennsylvania. Washington, DC; Amer. Chem. Soc.
From 8. Intersociety Energy Conversion Engineering Conference; Univ. Pennsylvania
THERMODYNAMIC CYCLES;GEOTHERMAL ENERGY; GEOTHERMAL ENERGY CONVERSION;EFFICIENCY;HEAT; DEPTH;WASTE DISPOSAL;THERMOELECTRIC CONVERSION

3895 POWER WITHOUT FUEL. Pennycuick, J.A.C. Elecn.; 140: No. 3630, 117-8(6 Jan 1948).
ITALY;GEOTHERMAL POWER PLANTS;BINARY CYCLES; NATURAL STEAM;STEAM TURBINES;PERFORMANCE; OPERATION;ALKANES;ORGANIC CHLORINE COMPOUNDS; HEAT EXCHANGERS;THERMAL WATERS

3896 GEOTHERMIC POWER. Giordano, A. Electr. Times; 115: 233-5(1949).
Normal output of 22,000 kW and maximum of 26,000 kW. LARDERELLO GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;NATURAL STEAM;STEAM TURBINES;ELECTRIC POWER;TURBOGENERATORS;POWER GENERATION

3897 COMPARISON BETWEEN SURFACE AND JET CONDENSERS IN THE ENERGETIC AND CHEMICAL UTILIZATION OF LARDERELLO'S VORACIFEROUS STEAM JETS. Zancani, C.F.A. pp 423-5 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;NATURAL STEAM;STEAM CONDENSERS;OPERATION; PERFORMANCE;ECONOMICS;ELECTRIC POWER;POWER GENERATION;GEOTHERMAL ENERGY;EXPLOITATION; INORGANIC COMPOUNDS;RECOVERY;ITALY

3898 THERMAL CYCLES FOR GEOTHERMAL SITES AND TURBINE INSTALLATION AT THE GEYSER'S POWER PLANT, CALIFORNIA. Hansen, A. pp 365-79 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;THERMODYNAMIC CYCLES;ECONOMICS;POWER GENERATION;TURBINES;MAINTENANCE;GEOTHERMAL WELLS;COST;FLASHING;NATURAL STEAM;THERMAL WATERS

3899 SIBERIA'S HIDDEN HEATING SYSTEM. Ryabor, Y. New York New Scientist; 689(28 Mar 1967).
HEAT EXCHANGERS;DESIGN;THERMAL WATERS;FREONS; USSR;POWER GENERATION

3900 REFRIGERANTS AS WORKING FLUIDS FOR GEOTHERMAL POWER GENERATION. Mihori, T.; Hotani, Y. Koatsu Gasu; 6: No. 5, 337-47(1969).
GEOTHERMAL POWER PLANTS;BINARY CYCLES; WORKING FLUIDS;RANKINE CYCLE;EFFICIENCY;HEAT TRANSFER;TURBINES;GASEOUS WASTES;PRESSURE DEPENDENCE

3901 PRESENT DEVELOPMENT OF TURBINES FOR GEOTHERMAL APPLICATION. Ciapica, I. (Ansaldo Meccanico e Nucleare, Genova-Sampierdarena, Italy). Geothermics; No. 2, 834-8(1970).
GEOTHERMAL POWER PLANTS;STEAM TURBINES; TURBOGENERATORS;EFFICIENCY;DESIGN;STEAM CONDENSERS

3902 GRAVIMETRIC LOOP FOR GENERATION OF ELECTRICAL POWER FROM LOW TEMPERATURE WATER. Pessina, S.; Rumi, O.; Silvestri, M.; Sotgia, G. (Istituto di Fisica Tecnica, Politecnico di Milano, Italy). Geothermics; No. 2, 901-9(1970).
1000 kW. ELECTRIC POWER;POWER GENERATION; WATER;LOW TEMPERATURE;CONVECTION;DENSITY;FREONS; THERMAL WATERS;GRAVIMETRY;HOT-WATER SYSTEMS; GEOTHERMAL ENERGY CONVERSION;TWO-PHASE FLOW; THERMODYNAMIC CYCLES

3903 SUPERCRITICAL CYCLE GAS TURBINE POWER PLANT UTILIZE GEOTHERMAL WATER ENERGY. ASME PAPER 70-GT-60. Pradhan, A.V. Washington; ASME (1970). 8p.
From ASME Meeting; (24-28 May 1970).
GAS TURBINES;GEOTHERMAL POWER PLANTS;THERMAL WATERS;STEAM;CARBON DIOXIDE;CONTROL;BINARY CYCLES;DESIGN;PERFORMANCE

3904 VAPOR TURBINE GEOTHERMAL POWER PLANT. Anderson, J.H. (Consulting Eng., York, PA). Geothermics; Special Issue 2: 1530-2(1970).
Magmamax power cycle. GEOTHERMAL POWER PLANTS;2-METHYLPROPANE;POWER GENERATION;THERMAL

WATERS;GAS TURBINES;EFFICIENCY;HOT-WATER SYSTEMS;BINARY CYCLES

3905 GEOTHERMAL POWER PLANT. Nakanishi, H.; Iwai, N.; Miyazaki, M. (Tokyo Shibaura Electric Co., Ltd., Japan). Toshiba Rev., Int. Ed.; No. 51, 4-11(Nov 1970).
DESIGN;STEAM TURBINES;GEOTHERMAL POWER PLANTS;OPERATION

3906 UTILIZATION OF GEOTHERMAL SOURCES THROUGH A TWO PHASE GRAVIMETRIC LOOP AND EXPERIMENTAL TESTS ON SIMULATION SCALE MODEL. Leardini, T.; Rumi, O.; Silvestri, M.; Sotgia, G.; Tongiorgi, E. (Ent. Naz. per l'Energ Elettr., Rome, Italy). Trans. World Energy Conf., 8th; 4: (1971).
From 8. World Energy Conference; Bucharest, Rom. (28 Jun-2 Jul 1971).
GEOTHERMAL ENERGY;USES;ICELAND;HUNGARY;USSR; JAPAN;ITALY;BINARY CYCLES;TWO-PHASE FLOW; HYDRAULICS;GAS TURBINES;DESIGN;STRUCTURAL MODELS;SIMULATORS;GEOTHERMAL POWER PLANTS; DENSITY

3907 GEYSERS GEOTHERMAL POWER PLANT. Finney, J.P. (Pacific Gas and Electric Co., San Francisco, CA). Chem. Eng. Prog.; 68: No. 7, 83-6(Jul 1972).
GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;TURBOGENERATORS;DESIGN;EQUIPMENT

3908 VAPOR--TURBINE CYCLE FOR GEOTHERMAL POWER GENERATION. Anderson, J.H. (Consulting Engineer, York, PA). pp 163-175 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
HEAT TRANSFER;GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;BINARY CYCLES;GAS TURBINES;WORKING FLUIDS;HEAT EXCHANGERS;ENERGY CONVERSION;ECONOMICS;2-METHYLPROPANE; THERMODYNAMIC CYCLES

3909 THERMODYNAMIC POWER CYCLE FOR RECOVERY OF GEOTHERMAL ENERGY. Howerton, M.T. (Martin Marietta Aerosp., Denver, CO). pp 382-8 of Proc. of 8. Intersoc. Energy Convers. Eng. Conf. New York; AIAA (1973).
From 8. Intersociety Energy Conversion Eng. Conf.; Univ. of Pennsylvania, Philadelphia, PA (13-17 Aug 1973).
GEOTHERMAL ENERGY;THERMODYNAMIC CYCLES; GEOTHERMAL ENERGY CONVERSION;THERMODYNAMICS; HEAT;EFFICIENCY;POWER GENERATION

3910 FREON POWER PLANT WITH HEAT SUPPLY AT THE EXPENSE OF COOLING OF A SOURCE. Rozenfeld, L.M.; Korol'kov, A.G. (Inst. Teplofiz., Novosibirsk, USSR). Izv. Sib. Otd. Akad. Nauk SSSR, Ser. Tekh. Nauk; 3: 140-4(1973).
GEOTHERMAL POWER PLANTS;EFFICIENCY;ENERGY LOSSES;HEAT;POWER GENERATION;FREONS;STEAM; DESIGN;BINARY CYCLES;THERMODYNAMIC CYCLES; GEOTHERMAL ENERGY CONVERSION;THERMAL WATERS

3911 THERMODYNAMIC POWER CYCLE FOR RECOVERY OF GEOTHERMAL ENERGY. Howerton, M.T. (Martin Marietta Corp., Denver). pp 382-388 of 8th intersociety energy conversion engineering conference proceedings. New York; American Inst. of Aeronautics and Astronautics (1973).
From 8. intersociety energy conversion engineering conference; Philadelphia, PA (13 Aug 1973).
Downhole, at 2500 to 50,000 ft.
THERMODYNAMIC CYCLES;EFFICIENCY;WORKING FLUIDS; HEAT EXCHANGERS;GAS TURBINES;GEOTHERMAL ENERGY CONVERSION;UNDERGROUND;BOREHOLES;DESIGN; THERMODYNAMIC PROPERTIES;MIXTURES;MAGMA; RADIOACTIVE WASTES

3912 POTASSIUM-STEAM BINARY VAPOR CYCLE FOR BETTER FUEL ECONOMY AND REDUCED THERMAL POLLUTION. PAPER NO. 71-WA-ENER-9. Fraas, A.P. (ORNL, Oak Ridge, TN). J. Eng. Power; 95, Ser. A: No. 1, 53-63(Jan 1973).
BINARY CYCLES;STEAM;POTASSIUM;VAPORS; EFFICIENCY;THERMAL POLLUTION

3913 GAS TURBINE CYCLES ON BINARY MIXTURES WITH THE CONDENSATION OF ONE COMPONENT. Tetel'baum, S.D. (Odessa Technol. Inst. of the Refrigeration Industry, USSR); Klok, A.M.; Gribovskii, V.P. Izv. Vyssh. Uchebn. Zaved., Energ.; No. 1, 87-91(Jan 1973).
BINARY CYCLES;GAS TURBINES;PERFORMANCE; THERMODYNAMICS;HELIUM;CARBON DIOXIDE

3914 BLADELESS TURBINES: A GEOTHERMAL PRIME-MOVER AND RE-INJECTION PUMP. Possell, C.R. (Federal Engineering and Manufacturing, Inc., San Diego, CA). Geotherm. Energy Mag.; 1: No. 1, 20-21(Aug 1973).
STEAM;TURBINES;ECONOMICS;BRINES;GEOTHERMAL WELLS;PUMPS;INJECTION WELLS;ENERGY CONVERSION; IMPURITIES;DESIGN;EQUIPMENT;TURBINES;GEOTHERMAL ENERGY

3915 GEOTHERMAL TEST GENERATOR UNIT: THIRD ELECTRIC GENERATOR IN NORTH AMERICA. Wehlage, E.F. Geotherm. Energy Mag.; 1: No. 1, 27-28(Aug 1973).
GEOTHERMAL ENERGY;MEXICO;POWER GENERATION; STEAM TURBINES;GEOTHERMAL POWER PLANTS; TURBOGENERATORS;ECONOMICS

3916 GEOTHERMAL POWER GENERATION USING THE BINARY CYCLE. Holt, B.; Hutchinson, A.J.L.; Cortez, D.S. Geotherm. Energy Mag.; 1: No. 1, 45-58(Aug 1973).
BINARY CYCLES;GEOTHERMAL ENERGY;ELECTRIC POWER;GEOTHERMAL ENERGY CONVERSION;GAS TURBINES; GEOTHERMAL POWER PLANTS;ENERGY SOURCES; ECONOMICS;PLANNING;DESIGN;RESEARCH PROGRAMS; ENVIRONMENT;POLLUTION;POWER PLANTS;BRINES

3917 ADVANCED BINARY CYCLES FOR GEOTHERMAL POWER GENERATION. Cortez, D.H.; Holt, B.; Hutchinson, A.J.L. (Ben Holt Co., Pasadena, CA). Energy Sources; 1: No. 1, 73-94(Fal 1973).
THERMODYNAMIC CYCLES;GEOTHERMAL POWER PLANTS; EFFICIENCY;ENVIRONMENTAL EFFECTS;ECONOMICS; ELECTRIC POWER;GEOTHERMAL ENERGY CONVERSION;GAS TURBINES;HEAT EXCHANGERS;DESIGN;NOISE;AIR POLLUTION;WATER POLLUTION;BINARY CYCLES; CALIFORNIA;IMPERIAL VALLEY

3918 ADVANCED BINARY CYCLES FOR GEOTHERMAL POWER GENERATION. Cortez, D.H.; Holt, B.; Hutchinson, A.J.L. (Ben Holt Co., Pasadena, CA). Energy Sources; 1: No. 1, 73-94(Fal 1973).
BINARY CYCLES;GEOTHERMAL ENERGY;POWER GENERATION;ELECTRIC POWER;TURBINES;DESIGN; GEOTHERMAL POWER PLANTS

3919 PROBLEMS IN GEOTHERMAL POWER GENERATION. Holt, B. EOS, Trans., Am. Geophys. Union; 55: No. 4, 215(1974).
GEOTHERMAL ENERGY CONVERSION;THERMODYNAMICS;

ENERGY SOURCES;POWER GENERATION

3920 APPLICATION OF DIRECT CONTACT HEAT EXCHANGERS TO POWER GENERATION SYSTEMS UTILIZING GEOTHERMAL BRINES. Boehm, R.F. (Univ. Utah, Salt Lake City); Jacobs, H.R.; Coates, W.W. pp 1044-50 (Paper 749145) of Intersociety Energy Conversion Engineering Conference, 9th, Proceedings, San Francisco, CA, 26-30 Aug 1974. New York; ASME (1974).
From 9. IECEC Conference; San Francisco, CA (26-30 Aug 1974).
GEOTHERMAL POWER PLANTS;HEAT EXCHANGERS; DESIGN;OPERATION;BINARY CYCLES;BRINES;HOT-WATER SYSTEMS

3921 COMPARISON OF METHODS FOR ELECTRIC POWER GENERATION FROM GEOTHERMAL HOT WATER DEPOSITS. Austin, A.L.; Lundberg, A.W. ASME paper No. 74-WA/Ener-10. New York; United States of America (USA); American Society of Mechanical Engineers (1974). 12p.
GEOTHERMAL ENERGY CONVERSION;FLASHED STEAM SYSTEM;BINARY CYCLES;TOTAL FLOW SYSTEM;HOT-WATER SYSTEMS;MIXTURES;TWO-PHASE FLOW; COMPARATIVE EVALUATIONS;POWER GENERATION; GEOTHERMAL POWER PLANTS;EFFICIENCY

3922 CHOOSE YOUR CYCLE TO SUIT YOUR WELL. Witmer, F.P. Jr. (Kuljian Corp., Philadelphia). pp 201-211 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
Relative thermodynamic performance of geothermal power generating cycles. BINARY CYCLES;TOTAL FLOW SYSTEM;OPERATION;PERFORMANCE; THERMODYNAMIC PROPERTIES;FLASHED STEAM SYSTEM; DIAGRAMS;GEOTHERMAL WELLS

3923 TOPPING AND BOTTOMING CYCLES. Fraas, A.P. (Oak Ridge National Lab., TN). pp Paper 4.-12, 21p. of 9th world energy conference. London; World Energy Conference (1974).
From 9. world energy conference; Detroit, Michigan, USA (22 Sep 1974).
THERMODYNAMIC CYCLES;RANKINE CYCLE;CARBON DIOXIDE;PERFORMANCE;EFFICIENCY;SULFUR OXIDES; MERCURY;POTASSIUM;CESIUM;TOPPING CYCLES; BOTTOMING CYCLES

3924 KROV - MACHINE WITH MANY PROMISES FOR GEOTHERMAL. Wehlage, E.F. Geotherm. Energy Mag.; 2: No. 4, 6-12(Apr 1974).
Keller Roto-Oscillating Vane. GEOTHERMAL ENERGY;EQUIPMENT;MACHINE PARTS;HYDRAULICS;PUMPS; COMPRESSORS;GEOTHERMAL POWER PLANTS;KROV MACHINE;DESIGN

3925 REGENERATIVE VAPOR-TURBINE CYCLE FOR GEOTHERMAL POWER PLANT. Chou, J.C.S. Geotherm. Energy Mag.; 2: No. 6, 21-8(Jun 1974).
GAS TURBINES;2-METHYLPROPANE;GEOTHERMAL POWER PLANTS;HEAT EXCHANGERS;TURBOGENERATORS; HOT-WATER SYSTEMS

3926 METHOD FOR HEATING A FLUID. Paull, P.L.; Kerr, P.F. (to Texaco Development Corp., New York, NY). US Patent 3,817,038. 18 Jun 1974. Filed date 1 Sep 1972. 12p.
INJECTION WELLS;GEOTHERMAL WELLS;FLUIDS;HEAT EXCHANGERS;HEATING;STEAM;WATER;HOT-DRY-ROCK SYSTEMS;STEAM TURBINES

3927 GEOTHERMAL ENERGY SYSTEM AND METHOD. Matthews, H.B. (to Sperry Rand Corp., New York, NY). US Patent 3,824,793. 23 Jul 1974. Filed date 24 Oct 1972. 12p.
PATENTS;GEOTHERMAL ENERGY;GEOTHERMAL WELLS; HEAT TRANSFER;INJECTION WELLS;SUPERHEATING; PUMPING;STEAM TURBINES;POWER GENERATION;BINARY CYCLES;ALTERNATORS;GEOTHERMAL ENERGY CONVERSION; BOILERS;GAS TURBINES

3928 DEVELOPMENT OF A SPECIALIZED GEOTHERMAL EXPANDER AS A PRIMER MOVER FOR ECONOMY IN SERVICE. Keller, L.J. (Keller Corp., Dallas, TX). Trans. Int. Soc. Geothermal Eng., Utilization; 1: No. 1, 3-1 to 3-10(Sep 1974).
Keller Roro-Oscillating Vane. RANKINE CYCLE; GEOTHERMAL ENERGY CONVERSION;EXPANSION;ROTORS; MACHINE PARTS;ENGINES;KROV MACHINE;DESIGN;VANES

3929 OVERVIEW OF CURRENT DEVELOPMENTS WITH GEOTHERMAL BINARY CYCLE POWER SYSTEMS. (PAPER NO. 7406). Wehlage, E.F. Trans. Int. Soc. Geothermal Eng., Utilization; 1: No. 1, 6-1 to 6-13(Sep 1974).
GEOTHERMAL ENERGY CONVERSION;WASTE HEAT; GEOTHERMAL POWER PLANTS;HYDROCARBONS; REFRIGERATION;HEAT EXCHANGERS;BINARY CYCLES

3930 REGENERATIVE VAPOR CYCLE WITH ISOBUTANE AS WORKING FLUID. Chou, J.C.S.; Ahluwalia, R.K.; Woo, E.Y.K. (College of Engineering, Univ. Hawaii, Honolulu, HI). Geothermics; 3: No. 3, 93-9(Sep 1974).
POWER GENERATION;GEOTHERMAL FLUIDS;2-METHYLPROPANE;BINARY CYCLES;HEAT EXCHANGERS; BRINES;DESALINATION;GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS;WORKING FLUIDS;GAS TURBINES; PERFORMANCE

3931 POWER GENERATION FROM HOT BRINES. Hutchinson, A.J.L. (to Geothermal Investment Co., Pasadena, CA). US Patent 3,845,627. 5 Nov 1974. Filed date 10 Dec 1973. 10p.
GEOTHERMAL FLUIDS;BRINES;HEAT EXCHANGERS; HEAT TRANSFER;POWER GENERATION;BINARY CYCLES; WORKING FLUIDS;SUPERHEATING;GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY CONVERSION

3932 COMPARISION OF METHODS FOR ELECTRIC POWER GENERATION FROM GEOTHERMAL HOT WATER DEPOSITS. Austin, A.L.; Lundberg, A.W. ASME publication 74-WA/Ener-10. New York; United States of America (USA); American Society of Mechanical Engineers (1975). 13p. $3.00.
From Winter annual meeting; New York, NY (17 Nov 1974).
POWER GENERATION;ELECTRIC POWER;HOT-WATER SYSTEMS;GEOTHERMAL ENERGY CONVERSION;FLASHED STEAM SYSTEM;BINARY CYCLES;TOTAL FLOW SYSTEM; EFFICIENCY;GEOTHERMAL POWER PLANTS;COMPARATIVE EVALUATIONS

3933 ADVANCED HEAT TRANSFER METHODS FOR GEOTHERMAL POWER APPLICATIONS. Awerbuch, L.; May, S.C. (Bechtel Corp., Los Angeles). pp 125-130 of Tenth intersociety energy conversion engineering conference. New York; Inst. of Electrical and Electronics Engineers, Inc. (1975).
From 10. intersociety energy conversion engineering conference; Newark, Delaware, USA (17 Aug 1975).
Requirements for 10-MW generating unit. GEOTHERMAL POWER PLANTS;GEOTHERMAL RESOURCES; BRINES;BINARY CYCLES;HEAT EXCHANGERS;2-METHYLPROPANE;PERFORMANCE;DESIGN;HEAT TRANSFER

3934 BANKS ENGINE. Banks, R. (Univ. of California, Berkeley). Naturwissenschaften; 62: 305-308(1975).
Possible conversion of solar, geothermal, oceanic thermal gradient, or industrial thermal sources. NITINOL HEAT ENGINES;NICKEL ALLOYS; TITANIUM ALLOYS;PHASE TRANSFORMATIONS;SOLAR ENERGY;GEOTHERMAL ENERGY;WASTE HEAT;FEASIBILITY STUDIES;SOLAR HEAT ENGINES

3935 CHOOSE YOUR CYCLE TO SUIT YOUR WELL. Witmer, F.P. Jr. (Kuljian Corp., Philadelphia). Geotherm. Energy Mag.; 3: No. 2, 27-37(Feb 1975).
THERMODYNAMIC CYCLES;BINARY CYCLES;TOTAL FLOW SYSTEM;FLASHING;STEAM;PERFORMANCE;2-METHYLPROPANE;HEAT EXCHANGERS;VAPOR CONDENSERS; STEAM CONDENSERS;FLASHED STEAM SYSTEM; EFFICIENCY

3936 GEOTHERMAL HEAT EXCHANGE METHOD AND APPARATUS. Greene, C.K. US Patent 3,874,174. 1 Apr 1975. Filed date 6 May 1974. 6p.
HEAT EXCHANGERS;HEAT TRANSFER;BRINES; GEOTHERMAL WELLS;DESCALING;BINARY CYCLES;WELL CASINGS;DESIGN

3937 HOW STEAM IS PRODUCED AND HANDLED AT THE GEYSERS. Snyder, R.E. World Oil; 180: No. 7, 43-48(Jun 1975).
GEYSERS GEOTHERMAL FIELD;WELL DRILLING; GEOTHERMAL ENERGY;OPERATION;STEAM SYSTEMS; PRODUCTION;SUPERHEATING;PLANNING;POWER GENERATION;ECONOMICS;EXPLORATION;GEOTHERMAL POWER PLANTS

3938 GEOTHERMAL HEAT RECOVERY BY MULTIPLE FLASHING. Hutchinson, A.J.L.; Cortez, D.H. (to Geothermal Investment Co., South Pasadena, Calif.). US Patent 3,893,299. 8 Jul 1975. Filed date 25 Jan 1974. 14p.
FLASHED STEAM SYSTEM;WORKING FLUIDS;HEAT TRANSFER;HEAT TRANSFER;HEAT EXCHANGERS;BINARY CYCLES;GEOTHERMAL ENERGY CONVERSION;DESIGN

3939 DIRECT CONTACT HEAT EXCHANGERS IN GEOTHERMAL POWER PRODUCTION. Sheinbaum, I. Geotherm. Energy Mag.; 3: No. 8, 13-21(Aug 1975).
From AIChE--ASME heat transfer conference; San Francisco, CA (11 Aug 1975).
HEAT EXCHANGERS;POWER GENERATION;HOT-WATER SYSTEMS;HEAT TRANSFER;MASS TRANSFER;GEOTHERMAL ENERGY;RANKINE CYCLE;DESIGN;THERMODYNAMIC CYCLES;WORKING FLUIDS;GEOTHERMAL POWER PLANTS

3940 GEOTHERMAL ENERGY SYSTEM AND METHOD. Matthews, H.B. (to Sperry Rand Corp., New York, NY). US Patent 3,898,020. 5 Aug 1975. Filed date 8 May 1974. 10p.
Patent; deep well system consisting of rotary pump, boiler-heat exchanger, and steam turbines. PUMPS;GEOTHERMAL WELLS;GEOTHERMAL ENERGY CONVERSION;HEAT EXCHANGERS;INJECTION WELLS;WATER;SUPERHEATING;BINARY CYCLES;BOILERS; UNDERGROUND;STEAM TURBINES;EQUIPMENT

3941 EFFICIENT AND NONPOLLUTING METHOD FOR RECOVERING GEOTHERMAL HEAT ENERGY. Wolf, J.H. US Patent 3,911,683. 14 Oct 1975. Filed date 12 Dec 1974. 4p.
Patent; geothermal heat extraction by passive heat pipe inserted into borehole. HEAT TRANSFER;HEAT PIPES;HEAT EXTRACTION;GEOTHERMAL ENERGY;DESIGN;GEOTHERMAL ENERGY CONVERSION; TURBINES;BOREHOLES

3942 ELECTRIC POWER GENERATION FROM GEOTHERMAL HOT WATER DEPOSITS. Austin, A.L.; Lundberg, A.W. (Univ. of California, Livermore). Mech. Eng.; 97: No. 12, 18-25(Dec 1975).
HOT-WATER SYSTEMS;GEOTHERMAL ENERGY CONVERSION;FLASHED STEAM SYSTEM;BINARY CYCLES; TOTAL FLOW SYSTEM;GEOTHERMAL WELLS;FLOW RATE; EFFICIENCY;POWER GENERATION

Geothermal Engineering

Refer also to citation(s) 297, 298, 3325, 3826, 3861, 3940

3943 (BNL--19970) POLYMER-CONCRETE COMPOSITES FOR ENERGY RELATED SYSTEMS. PROGRESS REPORT, JANUARY--MARCH 1975. (Brookhaven National Lab., Upton, N.Y. (USA)). 1975. 17p. Dep. NTIS $4.00.
CONCRETES;POLYMERS;CONCRETE-PLASTIC COMPOSITES;USES;IMPREGNATION;GEOTHERMAL ENERGY

3944 (BNL--20336) POLYMER-CONCRETE COMPOSITES FOR ENERGY RELATED SYSTEMS. PROGRESS REPORT NO. 5, APRIL--JUNE 1975. (Brookhaven National Lab., Upton, N.Y. (USA)). 1975. 15p. Dep. NTIS $4.00.
Testing in the Geysers geothermal field. POLYMERS;CONCRETES;THERMODYNAMIC PROPERTIES; PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE; TESTING;GEOTHERMAL SYSTEMS;HIGH TEMPERATURE; MECHANICAL PROPERTIES;COMPOSITE MATERIALS;SOLID WASTES;PIPES;USES;CONCRETE-PLASTIC COMPOSITES; GEYSERS GEOTHERMAL FIELD;DRY-STEAM SYSTEMS

3945 (CONF-750612--, pp 263-264) HEAT EXCHANGER PERFORMANCE WITH LOW-SALINITY GEOTHERMAL BRINES. Hinrichs, T. (Magma Power Co., Escondido, CA). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
HEAT EXCHANGERS;TESTING;PERFORMANCE;BRINES; GEOPRESSURED SYSTEMS;TEMPERATURE EFFECTS; SCALING;BINARY-FLUID SYSTEMS;SALINITY

3946 (EIS-CA--72-4895-F) PROPOSED INSTALLATION AND OPERATION OF A SKID-MOUNTED DESALTING UNIT AND INJECTION WELL, IMPERIAL VALLEY, CALIFORNIA. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Office of Saline Water, Washington, D.C. (USA)). 10 Jul 1972. 108p. (ELR--4895; FES--72-21). NTIS $7.50; $0.95 (mf).
IMPERIAL VALLEY;GEOTHERMAL WELLS;BRINES; DESALINATION;ENVIRONMENTAL EFFECTS;INJECTION WELLS;WASTE DISPOSAL;WELL DRILLING; ENVIRONMENTAL IMPACT STATEMENTS

3947 (NSF/RA/N--74-159, pp 194-206) SAN DIEGO GAS AND ELECTRIC COMPANY IMPERIAL VALLEY GEOTHERMAL ACTIVITIES: A STATUS REPORT. Hinrichs, T.C. (San Diego Gas and Electric Co., CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
INDUSTRY;IMPERIAL VALLEY;GEOTHERMAL

RESOURCES;RESEARCH PROGRAMS;SALTON SEA;WELL DRILLING;BINARY CYCLES;HEAT EXCHANGERS;STEAM SEPARATORS;TESTING;BRINES;PILOT PLANTS; EQUIPMENT

3948 (NSF/RA/N--74-159, pp 268-280) GEOTHERMAL RESERVOIR ENGINEERING RESEARCH. Ramey, H.J. Jr.; Kruger, P.; Brigham, W.E.; London, A.L. (Stanford Univ., CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
ENGINEERING;AQUIFERS;HYDRAULIC FRACTURING; MATHEMATICAL MODELS;THERMODYNAMICS; HYDRODYNAMICS;CHEMICAL PROPERTIES;HYDROTHERMAL SYSTEMS;TWO-PHASE FLOW;FEASIBILITY STUDIES;HEAT TRANSFER;MASS TRANSFER;GEOTHERMAL WELLS; STRUCTURAL MODELS

3949 (NSF/RA/N--74-159, pp 340-344) GEOTHERMAL STEAM CONDENSATE REINJECTION. Chasteen, A.J. (Union Oil Co., Santa Rosa, CA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
NATURAL STEAM;GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;INJECTION WELLS; CONDENSATES;WASTE DISPOSAL;PERFORMANCE

3950 (ORNL-TM--4135) EVAPORATIVE HEAT TRANSFER IN VERTICAL TUBES AT GEOTHERMAL BRINE CONDITIONS: A PRELIMINARY INVESTIGATION. Harley, P.H.; Eissenberg, D.M. (Oak Ridge National Lab., Tenn. (USA)). Jun 1973. Contract W-7405-eng-26. 37p. Dep. NTIS $4.00.
HEAT TRANSFER;GEOTHERMAL ENERGY;DESALINATION; MEDIUM TEMPERATURE;HIGH TEMPERATURE;STEAM; EVAPORATION;BRINES;DISTILLATION;FLASHING;TUBES; HEAT EXCHANGERS;PERFORMANCE TESTING;MOCKUP; THERMAL WATERS

3951 (PB--208662-D) PROPOSED INSTALLATION AND OPERATION OF A SKID-MOUNTED DESALTING UNIT AND INJECTION WELL, IMPERIAL VALLEY, CA. DRAFT ENVIRONMENTAL IMPACT STATEMENT. (Office of Saline Water, Washington, D.C. (USA)). 25 Apr 1972. 35p. (ELR--4336; DES--72-52). NTIS $3.00.
IMPERIAL VALLEY;GEOTHERMAL WELLS;BRINES; DESALINATION;ENVIRONMENTAL EFFECTS;INJECTION WELLS;ENVIRONMENTAL IMPACT STATEMENTS;CARBON DIOXIDE;GASEOUS WASTES;WASTE DISPOSAL;HYDROGEN SULFIDES;LIQUID WASTES

3952 (SAND--75-0080) DESIGN OF A MOLTEN-LAVA, SINGLE-TUBE BOILER EXPERIMENT. Fewell, M.E.; Hardee, H.C.; Montoya, P.C. (Sandia Labs., Albuquerque, N.Mex. (USA)). Jul 1975. Contract AT(29-1)-789. 24p. Dep. NTIS $4.25.
LAVA;DESIGN;BOILERS;HEAT TRANSFER;HEAT EXCHANGERS;EQUIPMENT;TURBINES;STEAM SEPARATORS; TUBES;THERMAL CONDUCTIVITY;CORROSIVE EFFECTS; STEAM CONDENSERS;NUCLEATE BOILING;THERMAL STRESSES;HEAT EXTRACTION;PIPES;MAGMA SYSTEMS; ELECTRIC GENERATORS;GEOTHERMAL ENERGY CONVERSION

3953 (SLA--73--919) INSTRUMENTATION SYSTEMS DEVELOPMENT FOR IN SITU PROCESSING. Northrop, D.A. (Sandia Labs., Albuquerque, N.Mex. (USA)). 1973. 43p. Dep. NTIS.
MAGMA;GEOTHERMAL FIELDS;COAL;OIL SHALES;IN-SITU PROCESSING;CONTROL SYSTEMS;MAGMA SYSTEMS; GEOTHERMAL ENERGY;EQUIPMENT;OPTIMIZATION

3954 (UCRL--76417) PERFORMANCE OF TWO-PHASE NOZZLES FOR TOTAL FLOW GEOTHERMAL IMPULSE TURBINES. Alger, T.W. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 28 May 1975. 27p. (CONF-750525--9). Dep. NTIS $4.50.
NOZZLES;TWO-PHASE FLOW;TURBINES;TOTAL FLOW SYSTEM;TURBINES;PERFORMANCE;EFFICIENCY; MATHEMATICAL MODELS

3955 (AEC-tr--7475) PROCESS FOR THE SIMULTANEOUS UTILIZATION OF GEOTHERMIC AND HYDRODYNAMIC ENERGY. Tavip, J.E. [nd]. Translation of Dispositiuo para el aprovechamiento simultaneo de la energia geotermica y la hidrodinamica. 7p. Dep. NTIS $3.00.
Potential applications. PATENTS;GEOTHERMAL ENERGY;STEAM;ENERGY SOURCES;FLUID MECHANICS; EVAPORATION;HIGH TEMPERATURE;DRILL CORES;WATER; TURBINES;ENERGY CONSUMPTION;ELECTRIC POWER; HYDROELECTRIC POWER

3956 TIME-SHARE COMPUTER ASSISTS LOG ANALYST. Hammack, G.W. Petroleum Engineer; 41: No. 13, 58-60(1969).
WELL LOGGING;COMPUTERS;DIGITAL SYSTEMS

3957 MSF [MULTISTAGE FLASH EVAPORATION] TEST PLANT WITH LONG TUBES AND HIGH FLOW RATE OF BRINE. Ishizaka, S. (Natl. Chem. Lab., Ind., Tokyo, Japan). pp 347-56 of Proceedings of 4th International Symposium on Fresh Water Sea, 1973. Delyannis, A. (ed.). Amaroussion, Greece; Working Party Fresh Water Sea (1973).
BRINES;FLASHING;TUBES;FLOW RATE;SILICATES; CALCIUM;ALUMINIUM OXIDES;DESALINATION; CONDENSERS;IRON HYDROXIDES

3958 OPERATION OF STEAM BOILERS WITH BUBBLE APPARATUS WITH WATER OF HIGH AND SUPERCRITICAL SALT CONTENT. Batishchev, V.I. Energomashinostroenie; 19: No. 6, 12-14(1973).
SODIUM CHLORIDES;STEAM;BOILERS;OPERATION; STEAM SEPARATORS;WATER;EQUIPMENT

3959 SIMULATION AND RESERVOIR ENGINEERING OF GEOTHERMAL RESOURCES, PROGRESS REPORT NO. 3. Kruger, P.; Ramey, H.J., Jr. Stanford, CA; United States of America (USA); Stanford Univ., Stanford Geothermal Program (Jun 1974). 142p. (NSF/RA/N--74-132). NTIS.
GEOTHERMAL SYSTEMS;GEOTHERMAL RESOURCES; EXPLOSIVE STIMULATION;ENGINEERING;MATHEMATICAL MODELS;MASS TRANSFER;HEAT TRANSFER;BOILING; FRACTURES;ROCKS;SIMULATION;HYDRAULIC FRACTURING; GEOTHERMAL WELLS;TWO-PHASE FLOW;RESEARCH PROGRAMS

3960 SUNSHINE PROJECT OF THE JAPANESE GOVERNMENT. Sakakura, S. (Ministry of International Trade and Industry, Tokyo). pp *105-121 of Energy technology II.* Sullivan, T.F.P. (ed.). Washington, DC; Government Institutes, Inc. (1975).
From 2. Energy Technology Conference; Washington, DC (12 May 1975).
JAPAN;ENERGY SOURCES;PLANNING;RESEARCH PROGRAMS;SOLAR ENERGY;HYDROGEN FUELS;COAL

GASIFICATION;COAL LIQUEFACTION;GEOTHERMAL ENERGY

3961 GEOTHERMAL ENERGY TURBINE AND WELL SYSTEM. Lobach, J.L. (to Sperry Rand Corp.). US Patent 3,908,380. 30 Sep 1975. Filed date 15 Jul 1974. 20p.
Dwon-well turbine-driven pumps. GEOTHERMAL WELLS;PUMPS;STEAM TURBINES;DESIGN;INJECTION WELLS;STEAM;SUPERHEATING;HEAT EXTRACTION; EQUIPMENT;STEAM GENERATORS;GEOTHERMAL ENERGY CONVERSION

3962 GEOTHERMAL ENERGY CONVERSION SYSTEM FOR MAXIMUM ENERGY EXTRACTION. Barber, R.E.; Nichols, K.E.; Prigmore, D.R. (to Sperry Rand Corp., New York, NY). US Patent 3,908,381. 30 Sep 1975. Filed date 20 Nov 1974. 8p.
Patent; deep-well turbine-driven pump. GEOTHERMAL WELLS;PUMPS;HEAT EXTRACTION;STEAM TURBINES;DESIGN;GEOTHERMAL ENERGY CONVERSION; STEAM;SUPERHEATING;EQUIPMENT

3963 GEOTHERMAL ENERGY SYSTEM AND CONTROL APPARATUS. Matthews, H.B.; Nichols, K.E. (to Sperry Rand Corp., New York, NY). US Patent 3,910,050. 7 Oct 1975. Filed date 10 Jul 1974. 20p.
Patent; down-well pump and turbine. GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL WELLS; PUMPS;STEAM TURBINES;INJECTION WELLS;CONTROL SYSTEMS;DESIGN;EQUIPMENT

Drilling Techniques and Well Hardware

Refer also to citation(s) 355, 1356, 2102, 3270, 3284, 3331, 3334, 3390, 4197, 4200, 4296, 4323

3964 (AD--774108/5GA) ULTRA-DEEP DRILLING FOR GEOTHERMALS. Patterson, S.O.; Sables, B.E.; Kooharian, A. (Tetra Tech Inc., Arlington, VA). Dec 1973. Contract NOd-9925. 144p. NTIS $4.75; $1.45 (mf).
HOT-DRY-ROCK SYSTEMS;ROCK DRILLING; GEOTHERMAL ENERGY

3965 (ANCR--1247) GEOTHERMAL R AND D PROJECT REPORT FOR PERIOD APRIL 1, 1975--JUNE 30, 1975. Kunze, J.F. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Sep 1975. Contract E(10-1)-1375. 69p. Dep. NTIS $5.45.
Raft River Valley. IDAHO;BOREHOLES; GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS;WELL DRILLING;BINARY CYCLES;HEAT EXCHANGERS;USES; POWER GENERATION;GEOTHERMAL SPACE HEATING

3966 (ANCR--1261) DRILLING PLAN BOISE SLIM (2-3/8 IN. DIAMETER) HOLES DEMONSTRATION SPACE HEATING PROJECT, OCTOBER 1975. Stoker, R.C. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Oct 1975. Contract E(10-1)-1375. 20p. Dep. NTIS $4.00.
GEOTHERMAL EXPLORATION;GEOTHERMAL SPACE HEATING;PLANNING;BOREHOLES;WELL DRILLING; GEOTHERMAL WELLS;IDAHO

3967 (BM-RI--8032) SUBSTITUTION OF PHOSPHATE SLIME FOR BENTONITE IN GEOTHERMAL WELL DRILLING FLUIDS. Goode, A.H.; Sadler, L.Y. III. (Bureau of Mines, Tuscaloosa, Ala. (USA). Tuscaloosa Metallurgy Research Lab.). 1975. 10p. Dep. NTIS $4.00.
GEOTHERMAL WELLS;DRILLING FLUIDS;WELL DRILLING;HIGH TEMPERATURE;CLAYS;STABILITY; PHOSPHATES;VISCOSITY;MATERIALS TESTING;PHYSICAL PROPERTIES;RHEOLOGY

3968 (CONF-741253--, pp 35) MATERIALS AND EQUIPMENT. Hutchinson, A.J.L. May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.
FLASHED STEAM SYSTEM;SCALING;SCRUBBERS;PIPES; GEOTHERMAL WELLS;SILICON OXIDES;TESTING; CALIFORNIA;SALTON SEA

3969 (CONF-750612--, pp 193-204) WELL-INFORMATION SYSTEMS AS APPLIED TO GEOPRESSURED RESERVOIR DESCRIPTION. Young, F.S. (NL Industries, Houston, TX). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
WELL DRILLING;WELL LOGGING;GEOPRESSURED SYSTEMS;GEOLOGY;LITHOLOGY;MONITORING; TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT; EQUIPMENT;MEASURING METHODS;INFORMATION SYSTEMS; GAS ANALYSIS

3970 (LA--5207-MS) HEAT LOSS CALCULATIONS FOR SMALL DIAMETER SUBTERRENE PENETRATORS. Murphy, D.J.; Gido, R.G. (Los Alamos Scientific Lab., N.Mex. (USA)). Feb 1973. Contract W-7405-eng-36. 15p. Dep. NTIS $3.00.
SUBTERRENE PENETRATORS;HEAT TRANSFER; MATHEMATICAL MODELS;THERMAL EFFICIENCY;ROCKS; THERMAL CONDUCTIVITY;SOILS;MELTING;ROCK DRILLING;PERFORMANCE

3971 (LA--5965-PR) TESTING, DRILLING, AND LOGGING OF GEOTHERMAL TEST HOLE GT-2, PHASE III. Pettitt, R.A. (Los Alamos Scientific Lab., N.Mex. (USA)). May 1975. Contract W-7405-eng-36. 14p. Dep. NTIS $4.00.
Drilling depth of 2932 m. BOREHOLES;JEMEZ MOUNTAINS;NEW MEXICO;HOT-DRY-ROCK SYSTEMS; HYDRAULIC FRACTURING;ROCK DRILLING;WELL LOGGING; TESTING;TEMPERATURE MEASUREMENT;DRILL CORES; EQUIPMENT;GRANITES

3972 (LA-UR--74-740) ROCK MELTING SUBTERRENES, THEIR ROLE IN FUTURE EXCAVATION TECHNOLOGY. Rowley, J.C.; Hanold, R.J.; Bankston, C.A.; Neudecker, J.W. 1974. (CONF-740631--1). Dep. NTIS $4.00.
GEOLOGIC DEPOSITS;EXCAVATION;ROCKS;BOREHOLES; SUBTERRENE PENETRATORS;TUNNELS;DESIGN; PERFORMANCE;ECONOMICS;ROCK DRILLING

3973 (LA-UR--74-1880) ROCK MELTING TECHNOLOGY AND GEOTHERMAL DRILLING. Rowley, J.C. (Los Alamos Scientific Lab., N.Mex. (USA)). [nd]. Contract W-7405-eng-36. 19p. (CONF-740959--2). Dep. NTIS $4.00.
ROCK DRILLING;SUBTERRENE PENETRATORS; RESEARCH PROGRAMS;GEOTHERMAL WELLS;WELL DRILLING;GEYSERS GEOTHERMAL FIELD;IMPERIAL VALLEY;ECONOMICS;GEOLOGY;PLANNING;OPERATION; COST;MELTING

3974 (LA-UR--75-971) GEOTHERMAL WELL TECHNOLOGY AND POTENTIAL APPLICATIONS OF SUBTERRENE DEVICES: A STATUS REVIEW. Altseimer, J.H. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-eng-36. 26p. (CONF-750525--5). Dep. NTIS

$4.50.
GEOTHERMAL WELLS;WELL DRILLING;BOREHOLES; SUBTERRENE PENETRATORS;REVIEWS;DESIGN;DRILLING FLUIDS;EQUIPMENT;COST;WELL CASINGS

3975 (NVO--151) DRILLING PLAN. RAFT RIVER GEOTHERMAL EXPLORATORY HOLE NO. 1. IDAHO GEOTHERMAL R AND D PROJECT. (USAEC Nevada Operations Office, Las Vegas. Industrial Applications Div.). Dec 1974. 47p. (IDO--10060). Dep. NTIS $5.50.
IDAHO;GEOTHERMAL FIELDS;GEOTHERMAL WELLS; WELL DRILLING;PLANNING;SAFETY;COST;MANAGEMENT; HOT-WATER SYSTEMS;SPECIFICATIONS

3976 (SAND--75-0128) IMPROVED DRILLING: A PART OF THE ENERGY SOLUTION. Alvis, R.L. (Sandia Labs., Albuquerque, N.Mex. (USA)). Mar 1975. 16p. Dep. NTIS $4.00.
WELL DRILLING;RESEARCH PROGRAMS;ECONOMICS; ENERGY CONSUMPTION;EFFICIENCY

3977 TIME NECESSARY FOR A BOREHOLE TO ATTAIN TEMPERATURE EQUILIBRIUM. Bullard, E.C. Roy. Astron. Soc. Monthly No., Geophys. Suppl.; 5: No. 5, 127-30(1947).
Method for calculating. BOREHOLES;HEATING; HEAT TRANSFER;DRILLING FLUIDS;GEOTHERMAL GRADIENTS;MEASURING METHODS;ACCURACY;TIME DEPENDENCE;TEMPERATURE MEASUREMENT;WELL DRILLING;THERMAL EQUILIBRIUM

3978 PRODUCTION OF STEAM FROM DRILL HOLES AT WAIRAKEI. Fisner, W.M. pp 75-102 (Chap. 7) of Geothermal steam for power in New Zealand (N.Z. Dept. Sci. Indust. Res., Bull. 117). Grange, L.I. New Zealand; N.Z. Dept. Sci. Indust. Res. (1955).
WAIRAKEI GEOTHERMAL FIELD;WELL DRILLING;WELL CASINGS;CONSTRUCTION;BUILDINGS;STEAM MUFFLERS; NATURAL STEAM;GEOTHERMAL FLUIDS;GEOTHERMAL WELLS;TEMPERATURE MEASUREMENT;EQUIPMENT

3979 DRILLING OF OFFSHORE BOREHOLES. Davydovskii, Yu.S. Razved. Okhr. Nedr; 25: No. 5, 45-8(May 1959).
WELL DRILLING;OFFSHORE SITES;EQUIPMENT; DESIGN;EXPLORATION;BOREHOLES

3980 DRILLING PROCEDURES AT N.Z. GEOTHERMAL STEAM PROJECT. Chem. Eng. and Min. Rev.; 51: No. 8, 50-4(15 May 1959).
WAIRAKEI GEOTHERMAL FIELD;WELL DRILLING; EQUIPMENT;GEOTHERMAL WELLS;THERMAL WATERS; ORIGIN

3981 SUBSURFACE EXPLORATION BY VARIOUS METHODS OF TEST BORING. Graves, A.H. pp 1-14 of Canada Diamond Drilling Association - Paper from June 1959 meeting. Canada Diamond Drilling Assoc. (Jun 1959).
WELL DRILLING;EQUIPMENT;EXPLORATION;REVIEWS

3982 EXPLORATION DRILLING TECHNIQUES. Burnhart, V.N. Min. Congr. J.; 45: No. 8, 66-8(Aug 1959).
WELL DRILLING;EQUIPMENT;PUMPS;DESIGN

3983 DRILLING OF BOREHOLES USING COMPRESSED AIR AS CIRCULATING MEDIUM UNDER COMPLEX CONDITIONS. Stepanov, P.M. Razved. Okhr. Nedr; 27: No. 9, 50-3(Sep 1961). (In Russian).
BOREHOLES;DRILLING;DRILLING FLUIDS; COMPRESSED AIR;VELOCITY;ROCKS

3984 HOW WORLD'S HOTTEST HOLE WAS DRILLED. Anderson, E.T. Petrol. Mgmt.; 33: No. 11, 81-5(Oct 1961).
GEOTHERMAL WELLS;WELL DRILLING;CALIFORNIA; WELL CASINGS;SALTON SEA;DRILLING FLUIDS; PERFORMANCE

3985 WILD STEAM WELL CONTROLLED BY DIRECTIONAL DRILLING. Byron, L.G. *World Oil*; 154: No. 5, 154-6(1962).
WAIRAKEI GEOTHERMAL FIELD;WELL DRILLING; GEOTHERMAL WELLS;BLOWOUTS;CONTROL

3986 HYDROTHERMAL PRODUCTS FORMED FROM MONTMORILLONITE CLAY SYSTEMS. McCaleb, S.A. pp 276-94 of Clays and clay minerals. Swineford, A. (ed.). New York; Pergamon Press (1962).
DRILLING FLUIDS;MONTMORILLONITE;X-RAY DIFFRACTION;ILLITE;ZEOLITES;CHLORITE MINERALS; VERMICULITE;MICA;WATER;HYDROCHLORIC ACID; GLYCEROL;CLAYS;SYNTHESIS;CALCIUM SILICATES; GELATION;CALCIUM OXIDES;HYDRATES;HYDROTHERMAL ALTERATION

3987 TREATMENT OF DRILLING MUD WITH SURFACTANTS. Dem'yanova, E.A. Razved. Okhr. Nedr; No. 1, 21-5(Jan 1962).
EXPLORATION;BOREHOLES;DRILLING;DRILLING FLUIDS;SURFACTANTS;PERFORMANCE

3988 DRILLING OF BOREHOLES USING AIR AS CIRCULATING MEDIUM IN CZECHOSLOVAKIA. Miklash, V. Razved. Okhr. Nedr; No. 4, 56-60(Apr 1962).
EXPLORATION;BOREHOLES;ROCK DRILLING;DRILLING FLUIDS;AIR;SURFACTANTS;PERFORMANCE TESTING; AQUIFERS;EQUIPMENT

3989 ORGANIZATION FOR AND COST OF DRILLING GEOTHERMAL STEAM BORES. Smith, J.H. pp 264-9 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964).
Wairakei geothermal field. BOREHOLES; DRILLING;COST;WAIRAKEI GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER POTENTIAL;GEOTHERMAL WELLS;WELL DRILLING;NEW ZEALAND

3990 DEVELOPMENT AND PERFORMANCE OF A STEAM-WATER SEPARATOR FOR USE IN GEOTHERMAL BORES. Bangma, P. pp 60-77 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS; NATURAL STEAM;NEW ZEALAND;THERMAL WATERS;STEAM QUALITY;STEAM SEPARATORS;PERFORMANCE;DESIGN; FLOW RATE;PRESSURE DEPENDENCE

3991 DRILLING MUD IN GEOTHERMAL DRILLING. Woods, D.L. pp 270-3 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
WAIRAKEI GEOTHERMAL FIELD;WELL DRILLING; GEOTHERMAL WELLS;NATURAL STEAM;BOREHOLES;FLUID FLOW;DRILLING FLUIDS;NEW ZEALAND

3992 AIR DRILLING IN GEOTHERMAL BORES. Contini, R.; Cigni, U. pp 89-99 of UN

Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL WELLS;DRILLING;DRILLING FLUIDS; WELL DRILLING;AIR;NATURAL STEAM;ECONOMICS; PNEUMATICS;LIMESTONE;CLAYS;WATER

3993 METHODS OF EXPLOITATION OF GEOTHERMAL ENERGY AND THE EQUIPMENT REQUIRED. Contini, R. pp 100-20 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (In French with English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
NATURAL STEAM;LARDERELLO GEOTHERMAL FIELD; DRILLING;WELL CASINGS;DRILLING FLUIDS;AIR; BLOWOUTS;CONTROL;PRESSURE MEASUREMENT; TEMPERATURE MEASUREMENT;GEOTHERMAL WELLS;DRY-STEAM SYSTEMS

3994 GEOTHERMAL DRILLING PRACTICES AT WAIRAKEI, NEW ZEALAND. Craig, S.B. pp 121-33 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;DRILLING; GEOTHERMAL WELLS;DEPTH;GEOTHERMAL EXPLORATION; PRODUCTION

3995 DEVELOPMENT OF CASINGS FOR GEOTHERMAL BOREHOLES AT WAIRAKEI, NEW ZEALAND. Fooks, A.C.L. pp 170-85 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL WELLS;WAIRAKEI GEOTHERMAL FIELD; WELL CASINGS;PERFORMANCE;WELL DRILLING

3996 DRILLING EQUIPMENT USED AT WAIRAKEI GEOTHERMAL POWER PROJECT, NEW ZEALAND. Fisher, W.M. pp 154-69 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;WELL DRILLING; EQUIPMENT;PERFORMANCE

3997 DRILLING FOR NATURAL STEAM AND HOT WATER IN ICELAND. Karlsson, T. pp 215-22 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
ICELAND;GEOTHERMAL WELLS;WELL DRILLING; NATURAL STEAM;PERFORMANCE;EQUIPMENT

3998 PREVENTION OF BLOWOUTS AND OTHER ASPECTS OF SAFETY IN GEOTHERMAL STEAM DRILLING. Bolton, R.S. pp 78-88 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964).
WAIRAKEI GEOTHERMAL FIELD;WELL DRILLING; GEOTHERMAL WELLS;BLOWOUTS;SAFETY;BOREHOLES

3999 CEMENTING GEOTHERMAL STEAM WELLS. Ostroot, G.W.; Shryock, S. J. Pet. Technol.; 16: No. 12, 1425-9(Dec 1964).
WELL CASINGS;CEMENTS;COMPRESSION STRENGTH; GEOTHERMAL WELLS;PERFORMANCE

4000 APPARATUS FOR USING A SOURCE OF ENERGY FROM AN OVERPRESSURED FORMATION. Hottman, C.E. (to Shell Oil Co.). US Patent 3,330,356. 11 Jul 1967. Filed date 25 Feb 1965. 8p.
Patents. SHALES;GEOTHERMAL ENERGY;PATENTS; ENERGY SOURCES;PLANNING;TEXAS;GULF OF MEXICO; DISTRIBUTION;TEMPERATURE MEASUREMENT;WELL LOGGING;EQUIPMENT;GEOPRESSURED SYSTEMS; GEOTHERMAL RESOURCES

4001 TEMPERATURE REGIME OF WELLS BEING DRILLED. Kuliyev, S.M.; Yes'man, B.I.; Gabuzov, G.G. Moscow; Izdatel'stvo "Nedra" (1968). 184p.
DRILLING FLUIDS;HEAT TRANSFER;GEOTHERMAL WELLS;TEMPERATURE MEASUREMENT;DRILLING

4002 THAR SHE BLOWS. Foote, M.A. Driller; 42: No. 11, 30-3(1968).
Geyser drilling technique. WELL DRILLING; GEYSERS;REVIEWS;DEPOSITS;THERMAL WATERS

4003 NOTE ON THE THEORY OF TEMPERATURE LOGGING. Romero-Juarez, A. Soc. Petroleum Engineers Jour.; 9: No. 4, 375-377(1969).
INJECTION WELLS;WELL LOGGING;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT

4004 PROFESSIONAL DRILLER'S EVALUATION OF GEOTHERMAL DRILLING AND PRODUCTION PROBLEMS. Hunnicutt, N.B. (Hunnicutt and Camp Drilling Co., Rio Vista, CA). pp 21-5 of Amer. Petrol. Inst., Div. Prod., Drilling Prod. Pract. (Paper from Meeting). American Petroleum Inst. (1969).
WELL DRILLING;GEOTHERMAL WELLS;MECHANICS; ENGINEERING

4005 PROBLEM OF CHOICE OF LEVER SYSTEM OF CLAMPING DEVICES. Tereshchenko, Yu.P.K. Geofiz. App.; No. 40, 125-31(1969).
BOREHOLES;FASTENERS;WELL LOGGING;EQUIPMENT

4006 ESTIMATION OF THE EFFICIENCY OF A DUAL BOREHOLE GAMMA SPECTROMETER (IN YADERNAYA GEOFIZIKA). Nedostup, G.A.; Nikulin, B.A. Tr., Vses. Nauchno-Issled. Inst. Yad. Geofiz. Geokhim.; No. 7, 197-203(1969).
WELL LOGGING;GAMMA SPECTROMETERS;EFFICIENCY; BOREHOLES;MEASURING METHODS

4007 MACHINERY AND EQUIPMENT FOR HARNESSING OF ENDOGENOUS FLUID. Cigni, U. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, Larderello, Italy). Geothermics; No. 2, 704-713(1970).
WELL DRILLING;GEOTHERMAL WELLS;DIESEL ENGINES;EQUIPMENT;ELECTRIC MOTORS;POWER GENERATION;STEAM;POWER PLANTS

4008 SOME TROUBLES MOST FREQUENTLY OCCURRING IN GEOTHERMAL DRILLING. Brunetti, V.; Mezzetti, E. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, Larderello, Italy). Geothermics; No. 2, 751-6(1970).
GEOTHERMAL WELLS;STEAM;WELL DRILLING; FAILURES;LUBRICANTS;CEMENTS;EQUIPMENT;PIPES; THERMAL STRESSES

4009 CEMENTS AND CEMENTATION IN GEOTHERMAL WELL DRILLING. Fabbri, F.; Giovannoni, A. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, Larderello, Italy). Geothermics; No. 2, 742-50(1970).
GEOTHERMAL WELLS;WELL DRILLING;CEMENTS;PIPES; LUBRICANTS;THERMAL STRESSES

4010 DRILLING MUD IN GEOTHERMAL WELLS. Fabbri, F.; Vidali, M. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, Larderello, Italy). Geothermics; No. 2, 735-41(1970).
WELL DRILLING;GEOTHERMAL WELLS;STEAM; DRILLING FLUIDS;HIGH TEMPERATURE;ECONOMICS

4011 PLANNING METHODS IN GEOTHERMAL DRILLING. Cigni, U.; Giovannoni, A. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, Lardarello, Italy). Geothermics; No. 2, 725-34(1970).
PERT, CPM, GASP. WELL DRILLING;PLANNING; GEOTHERMAL WELLS;EXPLORATION

4012 DRILLING PRACTICES AND EQUIPMENT IN USE AT WAIRAKEI. Stilwell, W.B. (Ministry of Works, Wellington, N.Z.). Geothermics; No. 2, 714-24(1970).
WELL DRILLING;GEOTHERMAL WELLS;STEAM;NEW ZEALAND;EQUIPMENT;ECONOMICS;DRILLING FLUIDS

4013 EFFECT OF SLOTTED LINER CASING IN GEOTHERMAL BORES. Katagiri, K. (Geothermal Power Div., Japan Metals and Chemistry Co., Ltd., Morioka, Japan). Geothermics; Special Issue 2: 1497-1501(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
WELL CASINGS;GEOTHERMAL WELLS;MATSUKAWA GEOTHERMAL FIELD;WELL DRILLING;PERFORMANCE

4014 GEOTHERMAL DRILLING IN THE MATSUKAWA AREA. Nakajima, Y. (Japan Metals and Chemicals Co., Ltd., Morioka, Japan). Geothermics; Special Issue 2: 1480-4(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
325-1500 meter depth. MATSUKAWA GEOTHERMAL FIELD;WELL DRILLING;THERMAL WATERS;STEAM; EQUIPMENT;LUBRICANTS;GEOTHERMAL WELLS

4015 PRESENT STATE OF DRILLING AND REPAIRING OF GEOTHERMAL PRODUCTION WELLS IN JAPAN. Matsuo, K. (Teiseki Sakusei Kogyo Co., Ltd., Japan). Geothermics; Special Issue 2: 1467-79(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
WELL DRILLING;JAPAN;GEOTHERMAL WELLS; GEOTHERMAL POWER PLANTS;MAINTENANCE;REPAIR

4016 CASING STRING DESIGN FOR GEOTHERMAL WELLS. Dench, N.D. (Ministry of Works, Wellington, New Zealand). Geothermics; Special Issue 2: 1485-96(1970).
500 meter depth. GEOTHERMAL WELLS;NEW ZEALAND;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;STRESSES;FAILURES;WELL CASINGS; DESIGN

4017 GEOTHERMAL DRILLING AND PRELIMINARY TEST OPERATIONS AT KIZILDERE, TURKEY. Durucan, E.; Olcenoglu, K. (Technical Dept., Mining Research and Exploration Inst., Ankara, Turkey). Geothermics; Special Issue 2: 1463-6(1970).
WELL DRILLING;EQUIPMENT;BOREHOLES;DRILLING FLUIDS;BLOWOUTS;TESTING;GEOTHERMAL WELLS;TURKEY

4018 PROFESSIONAL DRILLER'S EVALUATION OF GEOTHERMAL DRILLING AND PRODUCTION PROBLEMS. Hunnicutt, N.B. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEYSERS GEOTHERMAL FIELD;DRILLING;BOREHOLES; GEOTHERMAL WELLS

4019 DETERMINATION OF ROCK TEMPERATURE WHEN THE WELL HAS NOT STOOD LONG ENOUGH. Kutasov, I.M. Razved. Okhr. Nedr; No. 2, 32-6(1971).
ROCKS;ROCK DRILLING;GEOTHERMAL WELLS; TEMPERATURE MEASUREMENT;THERMAL EQUILIBRIUM; DRILLING;DRILLING FLUIDS

4020 LESSONS LEARNED IN STEAM EXPLORATION. Bowen, R.G. (State Dept. Geol. Miner. Ind., Portland, OR). Oil Gas J.; 69: No. 12, 174-5(22 Mar 1971).
Optimum depth factors. GEYSERS GEOTHERMAL FIELD;GEOTHERMAL WELLS;WELL DRILLING;GEOTHERMAL EXPLORATION;DRY-STEAM SYSTEMS

4021 CEMENTING MATERIALS FOR GEOTHERMAL WELLS. Radenti, G.; Ghiringhelli, L. (AGIP Direzione Mineraria, San Donato Milanese, Italy). Geothermics; 1: No. 3, 119-123(Sep 1972).
BOREHOLES;GEOTHERMAL ENERGY;THERMODYNAMIC PROPERTIES;CHEMICAL PROPERTIES;PHYSICAL PROPERTIES;MECHANICAL PROPERTIES;CEMENTS;WATER; GEOTHERMAL WELLS;WELL CASINGS

4022 DEVELOPING NATURAL STEAM WELLS AT THE GEYSERS, CALIFORNIA. Galloway, J.D. pp 97-104 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
From Meeting of Metropolitan Section of the American Society of Mechanical Engineers; New York, NY (12 Nov 1925).
NATURAL STEAM;GEYSERS GEOTHERMAL FIELD; GEOLOGY;GEOTHERMAL WELLS;CHEMICAL COMPOSITION; REVIEWS

4023 ATTAINMENT OF TEMPERATURE EQUILIBRIUM IN HOLES DURING DRILLING. Manetti, G. (Centro di Ricerca Geotermica, Pisa, Italy). Geothermics; 2: No. 3-4, 94-100(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
WELL DRILLING;THERMAL EQUILIBRIUM; MATHEMATICAL MODELS;TRANSIENTS;TEMPERATURE MEASUREMENT;BOREHOLES

4024 GEOTHERMAL HEAT IN NEW ZEALAND. Cooke, W.L. Heat Vent. Eng., J. Air Cond.; 46: No. 549, 510-12(Apr 1973).
GEOTHERMAL ENERGY;HEATING;WELL DRILLING; THERMAL WATERS;HEAT EXCHANGERS;VALVES;CONTROL; GEOTHERMAL WELLS;NEW ZEALAND;USES;HOT-WATER SYSTEMS

4025 GEOTHERMAL DRILLING IN CALIFORNIA. Cromling, J. (Big Chief Drill Co., Oklahoma City). J. Pet. Technol.; 25: 1033-8(Sep 1973).

WELL DRILLING;HIGH TEMPERATURE;GEOTHERMAL WELLS;CALIFORNIA;WELL CASINGS;DESIGN;GEYSERS GEOTHERMAL FIELD;IMPERIAL VALLEY

4026 CHEMICAL PROCESSING IN GEOTHERMAL NUCLEAR CHIMNEY. Krikorian, O.H. (to United States Atomic Energy Commission). US Patent 3,764,660. 9 Oct 1973. Filed date 17 May 1971. 16p.
NUCLEAR EXPLOSIONS;CHEMICAL REACTIONS; GEOTHERMAL ENERGY;USES;GEOTHERMAL FIELDS; EXPLOSIVE STIMULATION;GEOTHERMAL SYSTEMS

4027 HOW GEOTHERMAL WELLS ARE DRILLED AND COMPLETED. Cromling, J. (Big Chief Drilling Co., Oklahoma City, OK). World Oil; 177: No. 6, 42-45(Dec 1973).
GEOTHERMAL WELLS;DRILLING;GEYSERS;IMPERIAL VALLEY;WELL CASINGS;DRILLING FLUIDS;CALIFORNIA

4028 GEOTHERMAL WELL DRILLING AND COMPLETION PRACTICES IN CALIFORNIA INCLUDING CASING AND ABANDONMENT PROGRAMS AND EXAMPLES OF BLOWOUTS. pp vp. of Geothermal regulations. Campbell, G.E. Davis, CA; Geothermal Resources Council (1974).
GEOTHERMAL WELLS;WELL DRILLING;CALIFORNIA; WELL CASINGS;BLOWOUTS;BOREHOLES;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;SITE SELECTION; IMPERIAL VALLEY;DIAGRAMS;EQUIPMENT;REGULATIONS

4029 FATIGUE RESISTANCE OF THREADED CONNECTIONS OF LIGHT-ALLOY DRILL PIPES IN SOME DRILLING MUDS. Pokhmurskii, V.I.; Prishlyak, A.M.; Pelekh, V.G. (Fiz.-Mekh. Inst., Lvov, USSR). Fiz.-Khim. Mekh. Mater.; 10: No. 5, 40-2(1974).
CORROSION RESISTANCE;DRILLING FLUIDS;SODIUM CHLORIDES;ALLOYS;CORROSIVE EFFECTS

4030 METHOD AND APPARATUS FOR TRANSMISSION OF DATA FROM DRILL BIT IN WELLBORE WHILE DRILLING. Stelzer, R.B. (to Texaco, Inc.). US Patent 3,805,606. 23 Apr 1974. Filed date 11 Aug 1972.
WELL DRILLING;CUTTING TOOLS;REMOTE CONTROL; DESIGN;EQUIPMENT

4031 METHODS AND APPARATUSES FOR TRANSMISSION OF LONGITUDINAL AND TORQUE PULSE DATA FROM DRILL STRING IN WELL WHILE DRILLING. Fowler, J.R. (to Texaco, Inc.). US Patent 3,813,656. 28 May 1974. Filed date 29 Sep 1972.
EQUIPMENT;WELL DRILLING;CUTTING TOOLS;DESIGN; REMOTE CONTROL

4032 GEOTHERMAL WELLS IN IMPERIAL VALLEY, CALIFORNIA. DESALTING POTENTIALS, HISTORICAL DEVELOPMENT, AND A SELECTED BIBLIOGRAPHY. El-Ramly, N.; Peterson, R.E.; Seo, K.K. Natl. Water Supply Improvement Assoc. Journal; 1: No. 1, 31-8(Jul 1974).
GEOTHERMAL WELLS;IMPERIAL VALLEY; DESALINATION;BIBLIOGRAPHIES;BRINES;GEOTHERMAL FLUIDS;WELL DRILLING;HEAT EXCHANGERS;BINARY CYCLES;CALIFORNIA;POWER GENERATION;GEOTHERMAL ENERGY CONVERSION

4033 GEOTHERMAL DRILLING IN KLAMATH FALLS, OREGON. Storey, D.M. (E.E. Storey Well Drilling). Geotherm. Energy Mag.; 2: No. 11, 61-3(Nov 1974).
From Geothermal International Conference; Oregon Inst. Tech. (8 Oct 1974).
WELL DRILLING;OREGON;EQUIPMENT;GEOTHERMAL WELLS;BUILDINGS;SPACE HEATING;HOT-WATER SYSTEMS; COST;USES

4034 NEW DRILL BITS HOLD GEOTHERMAL PROMISE. Geotherm. Energy Mag.; 3: No. 6, 5-7(Jun 1975).
Spark drill, terra drill, continuous chain bit, downhole changeable bit. DRILL BITS; ELECTRIC DISCHARGES;DESIGN;WELL DRILLING;ROCK DRILLING;PROJECTILES;DESIGN;GEOTHERMAL WELLS

4035 ADVANCED DRILLING TECHNOLOGY. Narath, A. (Sandia Labs., Albuquerque, NM). Geotherm. Energy Mag.; 3: No. 6, 8-17(Jun 1975).
WELL DRILLING;HYDRAULIC FRACTURING;MAPS; DRILL BITS;DESIGN;TESTING;CONSTRUCTION;RESEARCH PROGRAMS;ROCK DRILLING

4036 SUBTERRENE PROGRAM. Contract W-7405-eng-36. Geotherm. Energy Mag.; 3: No. 7, 31-35(Jul 1975).
SUBTERRENE PENETRATORS;ROCKS;USES;DESIGN; TESTING;MELTING;RESEARCH PROGRAMS;GEOTHERMAL WELLS;WELL DRILLING

4037 UNIQUE DESIGN IDEAS MAY INCREASE BIT LIFE. World Oil; 181: No. 4, 67-69(Sep 1975).
WELL DRILLING;DRILL BITS;DESIGN;COST; GEOTHERMAL WELLS;ROCK DRILLING;PETROLEUM; NATURAL GAS;PERFORMANCE TESTING

4038 GEOTHERMAL ENERGY PUMP THRUST BALANCE APPARATUS. Govindarajan, R.; Lobach, J.L.; Nichols, K.E. (to Sperry Rand Corp.). US Patent 3,905,196. 16 Sep 1975. Filed date 15 Jul 1974. 20p.
PUMPS;GEOTHERMAL ENERGY CONVERSION;INJECTION WELLS;STEAM TURBINES;POWER GENERATION;HOT-WATER SYSTEMS;EQUIPMENT;DESIGN;SUPERHEATING; GEOTHERMAL WELLS

Fluid Transmission

Refer also to citation(s) 3121, 3888, 3961, 3962, 3963, 4038, 4138, 4318, 4374, 5179

4039 (UCID--16806) INSTRUMENTATION FOR TWO-PHASE GEOTHERMAL FLOW. Calder, C.A. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 28 May 1975. Contract W-7405-eng-48. 23p. Dep. NTIS $4.25.
TOTAL FLOW SYSTEM;TWO-PHASE FLOW;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;MEASURING INSTRUMENTS;FLOW RATE;TESTING;EQUIPMENT;DESIGN; GEOTHERMAL FLUIDS;THERMOCOUPLES;FLOWMETERS;HEAT EXCHANGERS

4040 (UCRL--50016-75-2, pp 8-12) INSTRUMENTATION FOR TWO-PHASE GEOTHERMAL FLOW. 1975.
Mechanical engineering department. Quarterly report: April--June 1975.
MEASURING INSTRUMENTS;TESTING;TWO-PHASE FLOW; TOTAL FLOW SYSTEMS;GEOTHERMAL FLUIDS;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT; THERMOCOUPLES;HEAT EXCHANGERS;TRANSDUCERS;HEAT EXCHANGERS;PROBES;FLOWMETERS

4041 HYDROLOGIC ANALYSIS OF THE GROUNDWATER-HEAT INTERCHANGE FORCE HEAT PUMP SYSTEM. Fryberger, J.S. Eng. Geol. (Amsterdam); 1:

No. 2, 54-8(1964).
GROUND WATER;HEAT PUMPS;WASTE DISPOSAL; UNDERGROUND DISPOSAL;AQUIFERS;LIQUID WASTES; HEAT TRANSFER;HYDROLOGY

4042 PIPELINE TRANSMISSION OF STEAM-WATER MIXTURES FOR GEOTHERMAL POWER. James, R. N.Z. Eng.; 23: No. 2, 55-61(Feb 1968).
GEOTHERMAL FLUIDS;TWO-PHASE FLOW;PIPELINES; GEOTHERMAL FIELDS;GEOTHERMAL POWER PLANTS; PRESSURE DROP;STEAM;WATER;GEOTHERMAL WELLS; TRANSPORT

4043 SECOND GENERATION GEOTHERMAL POWER. James, R. N.Z. Eng.; 23: No. 6, 230-6(Jun 1968).
GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS; PIPELINES;GEOTHERMAL FLUIDS;TRANSPORT;TWO-PHASE FLOW;STEAM;WATER;FLOW RATE;GEOTHERMAL FIELDS; POWER POTENTIAL;SCALING;DESIGN;ENTHALPY

4044 DESIGN AND CONSTRUCTION OF STEAM PIPELINES. Pollastri, G. (ENEL - Compartimento di Firenze, Italy). Geothèrmics; No. 2, 780-811(1970).
PIPELINES;NATURAL STEAM;DESIGN;CONSTRUCTION; OPTIMIZATION;GEOTHERMAL FIELDS;CORROSION; THERMAL INSULATION;THERMAL EXPANSION

4045 EXPERIMENT ON PIPELINE TRANSPORTATION OF STEAM--WATER MIXTURES AT OTAKE GEOTHERMAL FIELD. Takahashi, Y. (Mitsubishi Heavy Industries, Ltd., Nagasaki Technical Institute, Machinery Research Section, Nagasaki, Japan); Hayashida, T.; Soezima, S.; Aramaki, S.; Soda, M. Geothermics; No. 2, 882-91(1970).
PIPELINES;GEOTHERMAL POWER PLANTS;GEOTHERMAL FLUIDS;TRANSPORT;OTAKE GEOTHERMAL FIELD; GEOTHERMAL FIELDS;JAPAN

4046 NEW SUPPLY SYSTEMS OF THERMAL WATERS TO A WIDE AREA IN JAPAN. Mashiko, Y. (Hot Spring Res. Inst., Japan); Hirano, Y. (Soc. Eng. for Mineral Springs, Japan). Geothermics; Special Issue 2: 1592-5(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;JAPAN;USES;TRANSPORT;SPACE HEATING;PIPELINES;SCALING;CORROSION;HEAT TRANSFER

4047 FLOW OF STEAM--WATER MIXTURES THROUGH A 12-INCH-DIAMETER PIPELINE: TEST RESULTS. James, R.; McDowell, G.D.; Allen, M.D. (DSIR, Taupo, New Zealand). Geothermics; Special Issue 2: 1581-7(1970).
PIPELINES;FLUID FLOW;INSTABILITY;PERFORMANCE; FLASHING;HOT-WATER SYSTEMS;GEOTHERMAL WELLS; VELOCITY;ENTHALPY;STEAM;TWO-PHASE FLOW; GEOTHERMAL FLUIDS;WATER;MIXTURES

4048 PRODUCING A GEOTHERMAL STEAM FIELD. Budd, C.F., Jr. (Union Oil Co., Cloverdale, CA). Trans. Am. Nucl. Soc.; 15: No. 1, 16(Jun 1972).
GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS;PLANNING;ECONOMICS; ELECTRIC POWER;POWER GENERATION;DRY-STEAM SYSTEMS;PIPELINES;NOISE;EXPLOITATION;GEOTHERMAL WELLS

4049 COLLECTION AND TRANSMISSION OF GEOTHERMAL FLUIDS. Smith, J.H. (Ministry of Works, Wellington, N.Z.). pp 97-106 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
PIPELINES;PRESSURE DEPENDENCE;IMPURITIES; DESIGN;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS; GEOTHERMAL FLUIDS;FLUID FLOW;VALVES;CONTAINERS; PUMPS;TRANSPORT;STEAM SEPARATORS

4050 TEMPERATURE CONDITIONS AND HEAT TRANSFER DURING FORCED FLOW OF SOLUTIONS OF FREELY SOLUBLE SALTS IN TUBES WITH PARAMETERS CLOSE TO CRITICAL. Shitsman, M.E.; Midler, L.S. (Energ. Inst. im. Krzhizhanskogo). pp 5-16 of Mater. Vses. Nauchno-Tekh. Soveshch. Teploobmennym Teplofiz. Svoistvam Morsk. Solonovatykh Vod Ikh Ispol'z. Parogeneratorakh Opresnitelyakh, 1st, 1972. Yusufova, V.D.; Pepinov, R.I. (eds.). Baku, USSR; Azerb. Nauchno-Issled. Inst. Energ. (1973).
HEAT TRANSFER;SALTS;FLUID FLOW;SODIUM CHLORIDES;PIPES;TEMPERATURE DISTRIBUTION; SOLUTIONS

4051 STUDY OF COOLANT FLOW IN MAN-MADE UNDERGROUND CIRCULATION SYSTEMS ON CONTINUOUS MODELS BY THE METHOD OF ELECTROHYDRODYNAMIC ANALOGY. Kononenko, G.N.; Tsyrul'nikov, A.S. Fluid Mech. - Sov. Res.; 2: No. 3, 145-8(May-Jun 1973).
HEAT TRANSFER;HEAT EXCHANGERS;UNDERGROUND; BOILERS;COOLANT LOOPS;SIMULATION; ELECTROHYDRODYNAMICS;COOLANTS;FLUID FLOW

4052 EFFECTS OF DISSOLVED OXYGEN IN SALINE ON CORROSIVE WEAR OF STEEL. Endo, K.; Komai, K.; Shiomi, H. (Dep. Mech. Eng., Kyoto Univ., Kyoto, Japan). Wear; 30: No. 3, 285-98(1974).
OXYGEN;CARBON STEELS;SODIUM CHLORIDES; CORROSIVE EFFECTS;AQUEOUS SOLUTIONS;CORROSION

4053 PREVENTION OF OCCLUSION TROUBLES CAUSED BY DEPOSITS IN CONDUIT PIPES FOR THERMAL WATER. 1. SULFUR DEPOSIT IN THE CONDUIT PIPE FROM NIKKO--YUMOTO SPA TO CHUZENJI LAKESIDE. Kanroji, Y. (Hot Spring Res. Cent. Inst., Japan). Onsen Kogakkaishi; 9: No. 2, 67-74(1974).
THERMAL WATERS;PIPELINES;DEPOSITION;HYDROGEN SULFIDES;CALCIUM CARBONATES;SCALING;SILICON OXIDES;AIR;SULFUR

4054 SALT DOMES, PIT CRATERS, AND DRY STEAM FIELDS: HEAT PIPE APPLICATIONS. Green, J. (McDonnell Douglas Corp., Huntington Beach, CA). Adv. Astronaut. Sci.; 35: Suppl. 455-487(1975).
From Energy Symposium of the 140. Annual Meeting of the American Association for the Advancement of Science; San Francisco, CA (25 Feb 1974).
CAVITIES;CRATERS;HEAT PIPES;EFFICIENCY; ENERGY SOURCES;POWER REACTORS;GEOTHERMAL FIELDS; NATURAL STEAM;ENVIRONMENTAL EFFECTS;SAFETY; WASTE HEAT;RECOVERY;BOREHOLES;LAVA

4055 PRACTICAL GEOTHERMAL PUMPING SYSTEM. Combustion; 46: No. 11, 24-27(May 1975).
GEOTHERMAL FLUIDS;GEOTHERMAL SYSTEMS;PUMPS; EFFICIENCY;DESIGN;RESERVES;FORECASTING;HOT-WATER SYSTEMS

Corrosion, Scaling, and Materials Development

Refer also to citation(s) 756, 3592, 3815, 3874, 3886, 4227, 4669

4056 (ANCR--1205) CHOOSING MATERIALS FOR THE RAFT RIVER GEOTHERMAL PLANT. Reimann, G.A.; Schutz, H.W. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Feb 1975. Contract AT(10-1)-1375. 28p. Dep. NTIS $4.00.
THERMAL WATERS;CORROSIVE EFFECTS;GEOTHERMAL POWER PLANTS;MATERIALS TESTING;CARBON STEELS; CALCITE;EROSION;DEPOSITION;CHEMICAL COMPOSITION; SCALING;CALCIUM CARBONATES;CONCRETES;ASBESTOS; CEMENTS;ORGANIC POLYMERS;IDAHO;SILICON OXIDES; FLASHING;HOT-WATER SYSTEMS;PIPES;WELL CASINGS; TURBINES

4057 (BNL--19746) POLYMER-CONCRETE COMPOSITES FOR ENERGY RELATED SYSTEMS. PROGRESS REPORT NO. 3, OCTOBER--DECEMBER 1974. Manowtiz, B.; Steinberg, M.; Kukacka, L.E. (Brookhaven National Lab., Upton, N.Y. (USA)). 1974. 19p. Dep. NTIS $4.00.
Effects of geothermal brine at 177°C; use of solid waste;polymer-impregnated concrete. RESEARCH PROGRAMS;POLYMERS;CONCRETES;COMPOSITE MATERIALS;HIGH TEMPERATURE;GEOTHERMAL FLUIDS; BRINES;CORROSIVE EFFECTS;COMPRESSION STRENGTH; DIMENSIONS;CHEMICAL COMPOSITION;PIPES;BUILDING MATERIALS

4058 (BNWL--1866) ECONOMIC IMPACT OF CORROSION AND SCALING PROBLEMS IN GEOTHERMAL ENERGY SYSTEMS. Shannon, D.W. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). Jan 1975. Contract AT(45-1)-1830. 131p. Dep. NTIS $5.45.
GEOTHERMAL POWER PLANTS;CORROSION;SCALING; SILICON OXIDES;DEPOSITION;ECONOMICS;COST; GEYSERS GEOTHERMAL FIELD;EQUIPMENT;CARBON STEELS;CORROSION RESISTANT ALLOYS;CALCIUM CARBONATES;TURBINES;INJECTION WELLS;STAINLESS STEELS;ALUMINIUM ALLOYS;TITANIUM;ZIRCONIUM; NICKEL ALLOYS;COPPER ALLOYS;GEOTHERMAL FLUIDS; CORROSIVE EFFECTS

4059 (CONF-740222--, pp 105-113) MATERIALS SCREENING PROGRAM FOR THE LLL GEOTHERMAL PROJECT. Lorensen, L.E. (Univ. of California, Livermore). 1974.
From Symposium on engineering for the materials/energy challenge; Albuquerque, New Mexico, USA (28 Feb 1974).
Engineering for the materials/energy challenge. Proceedings of the 14 annual ASME symposium.
CARBON;GRAPHITE;EPOXIDES;TEFLON;ORGANIC POLYMERS;GEOTHERMAL POWER PLANTS;COMPOSITE MATERIALS;BUILDING MATERIALS;CORROSION;EROSION; MEDIUM TEMPERATURE;HIGH TEMPERATURE

4060 (CONF-741253--) MATERIALS PROBLEMS ASSOCIATED WITH THE DEVELOPMENT OF GEOTHERMAL ENERGY RESOURCES, COLLEGE PARK, MARYLAND, DECEMBER 3--4, 1974. Hall, B.A. (Geothermal Resources Council, Davis, Calif. (USA)). May 1975. 44p. Bureau of Mines, Wasnington, D.C. (USA).
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Workshop meeting Dec. 3-4, 1974 at Bu. Mines Metallurgy Research Center, College Park, Md.. GEOTHERMAL RESOURCES;CORROSION;SCALING; MATERIALS;EQUIPMENT;GEOTHERMAL FIELDS; GEOTHERMAL FLUIDS;CORROSIVE EFFECTS

4061 (CONF-741253--, pp 8-15) SALTON SEA GEOTHERMAL FIELD. Reed, M.J. (U. S. Geological Survey, Menlo Park, CA); Marsh, G.A.; Berthelot, B.W.; Bishop, H.K. May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.
SALTON SEA GEOTHERMAL FIELD;CORROSION; SILICON OXIDES;SCALING;BRINES;CARBON STEELS; MATERIALS TESTING;GEOTHERMAL WELLS;GEOTHERMAL FLUIDS;CORROSIVE EFFECTS;STAINLESS STEELS; TURBINES;MATERIALS

4062 (CONF-741253--, pp 16-17) HEBER GEOTHERMAL FIELD. Schremp, F. May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.
HEBER GEOTHERMAL FIELD;GEOTHERMAL WELLS; INJECTION WELLS;PUMPS;HEAT EXCHANGERS;CORROSIVE EFFECTS;CARBON STEELS;TITANIUM;MATERIALS TESTING;CORROSION;SCALING;EQUIPMENT;GEOTHERMAL FLUIDS;CALIFORNIA

4063 (CONF-741253--, pp 18-19) KIZILDERE (TURKEY) GEOTHERMAL FIELD. Kuwada, J. May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.
TURKEY;GEOTHERMAL FIELDS;BRINES;GEOTHERMAL WELLS;SCALING;CALCITE;HEAT EXCHANGERS;CORROSION; STAINLESS STEELS;BRINES;CORROSIVE EFFECTS; GEOTHERMAL FLUIDS

4064 (CONF-741253--, pp 20-28) MATERIALS DEVELOPMENT. I. CORROSION AND SCALING. Cramer, S.D.; Carter, J.P.; Needham, P.B. Jr. May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.
Tabulated data at 105°C and 232°C. MATERIALS TESTING;CORROSION;SCALING;CORROSION RESISTANCE; ALLOYS;METALS;IMPERIAL VALLEY;CALIFORNIA;IRON BASE ALLOYS;NICKEL BASE ALLOYS;COPPER BASE ALLOYS;TITANIUM BASE ALLOYS;ALUMINIJM BASE ALLOYS;MOLYBDENUM BASE ALLOYS;GEOTHERMAL FLUIDS; BRINES;CORROSIVE EFFECTS;OXYGEN;SOLUBILITY

4065 (CONF-741253--, pp 29-31) MATERIALS DEVELOPMENT. I. CORROSION AND SCALING. Barnes, H.L. (Pennsylvania State Univ., University Park). May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.
SILICON OXIDES;SCALING;PRECIPITATION;QUARTZ; SOLUBILITY;MATERIALS TESTING;TEFLON;STAINLESS STEEL-304;STAINLESS STEELS;TITANIUM;GOLD; GEOTHERMAL FLUIDS;CORROSIVE EFFECTS;GEOTHERMAL WELLS

4066 (CONF-741253--, pp 32-33) MATERIALS DEVELOPMENT. I. CORROSION AND SCALING. Reed, M.J. (Geological Survey, Menlo Park, CA). May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources.

SILICON OXIDES;CALCITE;PRECIPITATION; GEOTHERMAL WELLS;PH VALUE;CERRO PRIETO GEOTHERMAL FIELD;CHEMICAL COMPOSITION; GEOTHERMAL FLUIDS;SCALING

4067 (CONF-741253--, pp 34-35) MATERIALS AND EQUIPMENT. Snodgrass, J. (Reynolds Metals Co., Richmond, VA); Anderson, D.B.; Hodge, F.G.; Komp, M.E.; Franson, I. May 1975.
From Meeting on materials-related geothermal problems; College Park, Maryland, USA (3 Dec 1974).
Materials problems associated with the development of geothermal energy resources. For geothermal installations. MATERIALS; EQUIPMENT;MATERIALS TESTING;STRESS CORROSION; STAINLESS STEELS;IRON ALLOYS;CHROMIUM ALLOYS; BRINES;CORROSION RESISTANT ALLOYS;SODIUM CHLORIDES;CORROSIVE EFFECTS;GEOTHERMAL FLUIDS

4068 (ORNL-TM--4137) SILICA SCALE FORMATION IN SIMULATED GEOTHERMAL BRINE. Harley, P.H. (Oak Ridge National Lab., Tenn. (USA)). 1973. 21p. Dep. NTIS.
290 to 355°F. GEOTHERMAL FLUIDS;BRINES; SCALING;SILICON OXIDES;HEAT TRANSFER; EVAPORATORS;TUBES;SIMULATION;CALCIUM;MAGNESIUM; DISSOLUTION;CORROSIVE EFFECTS;DEPOSITION

4069 (PB--223715) CORROSION RESISTANCE OF METALS IN HOT BRINES: A LITERATURE REVIEW. Banning, L.H.; Oden, L.L. (Bureau of Mines, Washington, D.C. (USA)). Aug 1973. 45p. (BM-IC--8601). NTIS $2.70.
BRINES;CORROSION RESISTANCE;METALS;REVIEWS; GEOTHERMAL FLUIDS;CORROSIVE EFFECTS;ALUMINIUM; NATURAL STEAM;ALUMINIUM ALLOYS;COPPER;COPPER BASE ALLOYS;CARBON STEELS;IRON;STAINLESS STEELS; CHROMIUM ALLOYS;NICKEL BASE ALLOYS;COBALT BASE ALLOYS;TITANIUM;ALLOYS;CORROSION

4070 (PB--233051) LABORATORY PROGRAM OF STUDY FLASHING AND SCALING CHARACTERISTICS OF GEOTHERMAL BRINES. RESEARCH AND DEVELOPMENT PROGRESS REPORT. Wilson, J.S.; Warren, G.R. (Dow Chemical Co., Midland, Mich. (USA)). Jun 1973. Contract DI-14-30-2936. 94p. (INT-OSW-RDPR--74-696). NTIS $7.75; $1.45 (mf).
BRINES;DESALINATION;FLASHING;IMPERIAL VALLEY; OPERATION;SCALING;CORROSION;EQUIPMENT; SIMULATION;CORROSIVE EFFECTS;STAINLESS STEEL-316;NICKEL;MONEL

4071 (SAND--75-0055) MATERIAL SELECTION AND PROCESSING FOR THE MOLTEN LAVA/SINGLE TUBE BOILER EXPERIMENT. Davis, M.J.; Mottern, D.J. (Sandia Labs., Albuquerque, N.Mex. (USA)). Jun 1975. Contract AT(29-1)-789. 17p. Dep. NTIS $4.00.
LAVA;BOILERS;TUBES;PERFORMANCE;HEAT TRANSFER; BASALT;FABRICATION;MATERIALS TESTING;HEAT EXCHANGERS;MELTING;CORROSION RESISTANCE; CORROSION RESISTANT ALLOYS;IRON ALLOYS;CHROMIUM ALLOYS;COBALT ALLOYS;NICKEL ALLOYS;NICHROME; KOVAR;STAINLESS STEELS;CORROSIVE EFFECTS

4072 (SAND--75-0094) MAGMA/METAL COMPATIBILITY STUDY: COMPATIBILITY OF METALS IN MOLTEN DEGASSED THOLEIITIC BASALT. Sallach, R.A. (Sandia Labs., Albuquerque, N.Mex. (USA)). Sep 1975. Contract AT(29-1)-789. 28p. Dep. NTIS $4.50.
WC 3015 (49 Nb, 30 Hf, 14 W, 4.5 Ti, 1.5 Zr). MAGMA;COMPATIBILITY;IRON;STAINLESS STEEL-310;STAINLESS STEEL-446;NICKEL;UDIMET 700; INCONEL 718;MOLYBDENUM;TUNGSTEN;TANTALUM; NIOBIUM ALLOYS;HAFNIUM ALLOYS;TUNGSTEN ALLOYS; TITANIUM ALLOYS;ZIRCONIUM ALLOYS;PALLADIUM;VERY HIGH TEMPERATURE

4073 (UCID--15644-74-3) GENERAL CHEMISTRY DIVISION QUARTERLY REPORT, JUL-SEP 1974. Harrar, J.E. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Sep 1974. Contract W-7405-Eng-48.
GEOTHERMAL FLUIDS;BRINES;SCALING;EROSION; PIPES;EQUIPMENT;PARTICLES;CORROSIVE EFFECTS

4074 (UCID--15644-75-2, pp 17) DEVELOPMENT OF ANALYTICAL METHODS FOR THE ENERGY PROGRAM. DETERMINATION OF SULFIDE IN GEOTHERMAL SAMPLES. Selig, W.; Hill, J.H. 3 Sep 1975.
General Chemistry Division quarterly report, April--June 1975.
GEOTHERMAL FLUIDS;SULFIDES;CHEMICAL COMPOSITION;BRINES;SCALING;GEOTHERMAL ENERGY CONVERSION;PIPELINES;NUCLEATION;FLUID FLOW; RESEARCH PROGRAMS;URANIUM DEPOSITS;GEOCHEMICAL SURVEYS

4075 (UCRL--51756) COMMENTS ON THE POSSIBLE EFFECTS OF ADDITIVES ON SCALING BY GEOTHERMAL BRINES. Catalano, E.; Hill, J.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 26 Feb 1975. Contract W-7405-eng-48. 8p. Dep. NTIS $4.00.
GEOTHERMAL FLUIDS;SCALING;CORROSIVE EFFECTS; BRINES;ADDITIVES;SILICON OXIDES;IMPERIAL VALLEY

4076 (UCRL--51843) PRESENT STATUS OF THE POLYMERIC-MATERIALS SCREENING PROGRAM FOR THE LLL GEOTHERMAL PROJECT. Lorensen, L.E.; Walkup, C.M.; Mones, E.T. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 12 Jun 1975. Contract W-7405-Eng-48. 31p. Dep. NTIS $4.00.
MATERIALS TESTING;POLYMERS;NOZZLES;TOTAL FLOW SYSTEM;STABILITY;PLATES;TEFLON;CORROSION; EQUIPMENT;GEOTHERMAL ENERGY CONVERSION; STAINLESS STEELS;CORROSION PROTECTION;BRINES; HIGH TEMPERATURE

4077 (UCRL--51866) PRECIPITATION OF AMORPHOUS SILICA FROM HIGH-TEMPERATURE HYPERSALINE GEOTHERMAL BRINES. Owen, L.B. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Jun 1975. Contract W-7405-Eng-48. 24p. Dep. NTIS $4.00.
BRINES;PRECIPITATION;SILICON OXIDES;SCALING; SALINITY;SALTON SEA GEOTHERMAL FIELD;CARBON DIOXIDE;HYDROGEN SULFIDES;PH VALUE;HYDROCHLORIC ACID;POLYMERIZATION;COOLING;HOT-WATER SYSTEMS; SOLUBILITY;QUARTZ;SILICIC ACID

4078 (UCRL--51977) POSSIBILITIES FOR CONTROLLING HEAVY METAL SULFIDES IN SCALE FROM GEOTHERMAL BRINES. Jackson, D.D.; Hill, J.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 19 Jan 1976. Contract W-7405-Eng-48. 17p. Dep. NTIS $3.50.
SULFIDES;SCALING;DEPOSITION;BRINES; GEOTHERMAL FLUIDS;SOLUBILITY;OXIDATION;PH VALUE; PRECIPITATION;BARIUM SULFATES;CALCIUM SULFATES; COPPER COMPOUNDS;IRON COMPOUNDS;IRON SULFIDES; COPPER SULFIDES;ZINC SULFIDES;LEAD SULFIDES; MERCURY SULFIDES;SILVER SULFIDES;CORROSIVE EFFECTS

4079 (UCRL--73939) CORROSION AND SCALING BY STEAM IN NUCLEAR GEOTHERMAL POWER PLANTS. Krikorian, O.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 2 Jun 1972. 36p. (CONF-720607--24). NTIS $3.00; $0.95 (mf).

NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS; EXPLOSIVE STIMULATION;NATURAL STEAM; RADIOACTIVITY;MINERALS;GEOTHERMAL POWER PLANTS; CORROSION;SCALING;SODIUM CHLORIDES;SODIUM HYDROXIDES;SODIUM SILICATES;SILICON OXIDES; PIPES;STEAM TURBINES;DEPOSITION;CORROSIVE EFFECTS;GEOTHERMAL SYSTEMS;CONTAMINATION

4080 (UCRL--73939(Rev.2)) CORROSION AND SCALING BY STEAM IN NUCLEAR GEOTHERMAL POWER PLANTS. Krikorian, O.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 26 Jul 1972. 32p. (CONF-720607--27). NTIS $3.00; $0.95 (mf).
NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS; EXPLOSIVE STIMULATION;NATURAL STEAM;CORROSION; SCALING;MINERALS;ABUNDANCE;RADIOACTIVITY; GEOTHERMAL POWER PLANTS;CORROSIVE EFFECTS; GEOTHERMAL SYSTEMS;CONTAMINATION

4081 (UCRL--75353) MATERIALS SCREENING PROGRAM FOR THE LLL GEOTHERMAL PROJECT. Lorensen, L.E. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 9 Jan 1974. 11p. (CONF-740222--2). Dep. NTIS $4.00.
BRINES;HOT-WATER SYSTEMS;MATERIALS TESTING; PIPES;TURBINE BLADES;POLYMERS;CORROSION RESISTANCE;EROSION;NOZZLES;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;HYDROTHERMAL SYSTEMS

4082 (UCRL--76855) POLYMERIC AND COMPOSITE MATERIALS FOR USE IN SYSTEMS UTILIZING HOT, FLOWING, GEOTHERMAL BRINE. Lorensen, L.E.; Walkup, C.M.; Mones, E.T. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 23 May 1975. 23p. (CONF-750525--4). Dep. NTIS $4.00.
TOTAL FLOW SYSTEM;GEOTHERMAL FLUIDS;BRINES; PIPES;NOZZLES;TURBINES;CONDENSERS;TURBINE BLADES;MATERIALS TESTING;POLYMERS;MATERIALS; CORROSION RESISTANCE;HIGH TEMPERATURE;AMIDES; ESTERS;IMIDES;EROSION;SCALING;AROMATICS; FLUORINE;CORROSIVE EFFECTS;CORROSION

4083 CORROSION BY LOW-PRESSURE GEOTHERMAL STEAM. Marshall, T.; Hugill, A.J. Corrosion; 13: No. 5, 59-67(May 1957).
STEELS;CORROSION;STRESS CORROSION;NATURAL STEAM;CORROSIVE EFFECTS;BRONZE;CHLORIDES; HYDROGEN SULFIDES;CARBON DIOXIDE;CHROMIUM STEELS

4084 CORROSION INVESTIGATIONS IN HYDROTHERMAL MEDIA AT WAIRAKEI, NEW ZEALAND. Foster, P.K.; Marshall, T.; Tombs, A. pp 186-95 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL FLUIDS; GEOTHERMAL POWER PLANTS;CORROSIVE EFFECTS; CORROSION;DESIGN;METALS;OPERATION;FATIGUE; STEELS;NEW ZEALAND

4085 DETECTION OF SODIUM IONS IN STEAM-WATER CYCLES. Knoedler, E.L.; Perier, C.H. Mater. Prot.; 4: No. 5, 56-9(May 1965).
TURBOGENERATORS;STEAM;CORROSION;SODIUM;STEAM TURBINES;MEASURING METHODS

4086 FORMATIONS OF SOLID PHASES FROM THE WATER-STREAM CIRCUIT IN THERMAL POWER STATIONS AND COMPARISON OF THESE PRODUCTS WITH THOSE OF MINERAL DEPOSITION. Kirsch, H. Neues Jahrb. Mineral., Abh.; 106: No. 3, 287-333(1967). (English summary).
THERMAL POWER PLANTS;MINERALS;TURBINES; DEPOSITION;EQUIPMENT;SILICON OXIDES;SCALING; CHLORIDES;CARBONATES;SULFATES;FELDSPARS; PHOSPHATES

4087 POSSIBLE COMPLEX USES OF CORROSIVE GEOTHERMAL WATERS IN BULGARIA. Batov, S.; Iovchev, M.; Shushulov, K. God. Vissh. Mash.-Elektrotekh. Inst.; 22: No. 1, 61-8(1967).
BULGARIA;GEOTHERMAL FLUIDS;THERMAL WATERS; CORROSIVE EFFECTS;PIPELINES;CORROSION;STEELS; SALINITY;PH VALUE;SODIUM COMPOUNDS;POTASSIUM COMPOUNDS;CALCIUM COMPOUNDS;MAGNESIUM COMPOUNDS; CHLORIDES;SULFATES;CARBONATES

4088 ALUMINUM AND TITANIUM CORROSION IN SALINE WATERS AT ELEVATED TEMPERATURES. Bohlmann, E.G.; Posey, F.A. pp 306-25 of Proceedings of 1st international symposium on water desalination, Washington, DC, 1965. Volume 1. (1967).
5454 alloy, 6061 alloy, 100° to 200°C.
ALUMINIUM;TITANIUM;CORROSION;SODIUM CHLORIDES; ALUMINIUM ALLOYS;CORROSIVE EFFECTS;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4089 CATASTROPHIC CORROSION BEHAVIOR OF TITANIUM IN CHEMICAL PROCESSES. Gleekman, L.W.; Gegner, P.J.; Bohlmann, E.G.; Vorhis, F.H.; Fisher, A.O.; Bomberger, H.B.; Boyd, W.K.; Kunkel, E.V. Mater. Prot.; 6: No. 10, 22(1967).
CORROSION;TITANIUM;METALLURGICAL EFFECTS; ELECTROCHEMICAL CORROSION;THERMODYNAMIC PROPERTIES

4090 PITTING OF TITANIUM ALLOYS IN SALINE WATERS. Posey, F.A.; Bohlmann, E.G. Desalination; 3: 269(1967).
From 2. European symposium on fresh water from the sea; Athens, Greece (May 1967).
To 220°C. TITANIUM ALLOYS;PITTING CORROSION; AQUEOUS SOLUTIONS;TEMPERATURE DEPENDENCE;SALTS; SALINITY;HIGH TEMPERATURE

4091 CORROSION OF GEOTHERMAL SYSTEMS AND MEASURES FOR CONTROLLING IT. Natanov, Kh.Kh.; Adamova, K.S. Sb. Nauch. Soobshch., Dagestan. Gos. Univ., Kafedra Khim.; No. 6, 119-23(1969).
STEELS;CORROSION;THERMAL WATERS;CHEMICAL COMPOSITION;CARBONATES;FILTRATION;PIPES;USSR; DEPOSITION;CORROSION PROTECTION;CALCIUM CARBONATES;PRECIPITATION;CORROSIVE EFFECTS

4092 DELAYED FRACTURE OF GEOTHERMAL BORE CASING STEELS. Marshall, T.; Tombs, A. (DSIR, Private Bag, Petone, New Zealand). Australas. Corros. Eng.; 13: No. 9, 7-14(Sep 1969).
WELL CASINGS;STEELS;FRACTURES;GEOTHERMAL WELLS;PERFORMANCE;CORROSION;STRESSES

4093 CORROSION CHARACTERISTICS AND GEOTHERMAL POWER PLANT PROTECTION (COLLATERAL PROCESSES OF ABRASION, EROSION, AND SCALING). Allegrini, G.; Benvenuti, G. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, I.M., Larderello, Italy). Geothermics; No. 2, 865-81(1970).
GEOTHERMAL POWER PLANTS;EQUIPMENT;CORROSION; STEAM;PIPES;ABRASION;EROSION;SCALING;CORROSION PROTECTION

4094 PHYSICO-CHEMICAL SAMPLING OF HIGH-TEMPERATURE WELLS IN CONNECTION WITH THEIR ENCRUSTATION BY CALCIUM CARBONATE. Kryukov, P.A.; Larionov, E.G. (Inorganic Chem. Inst.

of Siberian Div. of USSR Acad. Sciences, Novosibirsk). Geothermics; Special Issue 2: 1624-8(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
SAMPLING;GEOTHERMAL WELLS;CALCIUM CARBONATES; PRECIPITATION;PROBES;PHYSICAL PROPERTIES; CHEMICAL PROPERTIES;GEOTHERMAL FLUIDS;LAYERS; SCALING

4095 CORROSION MEASUREMENTS IN A GEOTHERMAL ENVIRONMENT. Tolivia M., E. (Chem. Invest. Sec., Geothermal Energy Comm., Rio Rodano 14, Mexico 5, D.F., Mexico). Geothermics; Special Issue 2: 1596-1601(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
CORROSION;TURBINES;STEAM SEPARATORS; STAINLESS STEELS;ALUMINIUM;CORROSION PROTECTION; EQUIPMENT;GEOTHERMAL POWER PLANTS

4096 CORROSION OF METALS AND FORMING OF PROTECTIVE COATING ON INSIDE OF PIPES CARRYING THERMAL WATERS USED BY THE REYKJAVIK MUNICIPAL DISTRICT HEATING SERVICE. Hermannsson, S. (Reykjavik Municipal District Heating Service, Reykjavik, Iceland). Geothermics; Special Issue 2: 1602-12(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
THERMAL WATERS;PIPELINES;SPACE HEATING; OXYGEN;CORROSION INHIBITORS;CORROSION PROTECTION;SURFACE COATING;SODIUM COMPOUNDS; SULFITES;IRON OXIDES;SILICON OXIDES;SODIUM SILICATES;CORROSIVE EFFECTS;METALS;CORROSION

4097 PHENOMENON OF SCALING IN PRODUCTION WELLS AND THE GEOTHERMAL POWER PLANT IN THE MATSUKAWA AREA. Ozawa, T. (Dept. Chem., Tokyo Inst. Tech., Tokyo, Japan); Fujii, Y. (Japan Metals and Chemicals Co., Ltd., Iwate, Japan). Geothermics; Special Issue 2: 1613-18(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL WELLS;SCALING;GEOTHERMAL POWER PLANTS;MATSUKAWA GEOTHERMAL FIELD;JAPAN; CORROSION;PIPELINES;TURBINES;OPERATION;WATER; DEPOSITS

4098 PROPERTIES OF SCALES AND METHODS TO PREVENT THEM. Yanagase, T.; Suginohara, Y. (Faculty of Eng., Kyushu Univ., Fukuoka, Japan); Yanagase, K. (Res. Dept., Kyushu Electric Power Co., Inc., 497, Aizo, Shiobaru, Fukuoka, Japan). Geothermics; Special Issue 2: 1619-23(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
SCALING;OTAKE GEOTHERMAL FIELD;GEOTHERMAL FLUIDS;GEOTHERMAL POWER PLANTS;CORROSION PROTECTION;CALCIUM CARBONATES;DEPOSITS;CLEANING; CHEMICAL COMPOSITION;JAPAN

4099 COMPLEX UTILIZATION OF THERMAL WATER HAVING HIGH SALTS CONTENT. Gaal, L. (Orsz. Vizugyi Hivatal, Budapest, Hungary). Hidrol. Kozl.; 50: No. 6, 255-60(1970).
THERMAL WATERS;SCALING;PIPELINES;TRANSPORT; CORROSION PROTECTION;METHANE;CARBON DIOXIDE; GEOTHERMAL ENERGY;BALNEOLOGY;SALINITY;CRITICAL PRESSURE;CORROSIVE EFFECTS

4100 GEOTHERMAL CORROSION OF ALUMINUM AND ALUMINUM ALLOYS. Li, Y.-Y.; Chu, Y.; Chen, S.-C. (Taiwan Alum. Corp., Kaohsiung, Taiwan). T'ai-Wan Lu Yeh Ku Fen Yu Hsien Kung Szu Yen Chiu Fa Chan Kung Tso Pao Kao; 120-30(Oct 1970).
NATURAL STEAM;STEAM;PH VALUE;CORROSION; ALUMINIUM;ALUMINIUM ALLOYS;MAGNESIUM ALLOYS; MANGANESE ALLOYS;DURALUMIN;SILICON ALLOYS; COPPER ALLOYS;CHROMIUM ALLOYS;CORROSIVE EFFECTS; CORROSION RESISTANCE

4101 CORROSION OF METALS IN GEOTHERMAL WATERS. Tskhvirashvili, D.G.; Vardigoreli, O.Sh. (Tbilisi, USSR). Vodosnabzh. Sanit. Tekh.; 212: No. 12, 8-10(1971).
STEEL-1KH18N10T;STEELS;COPPER;BRASS;PITTING CORROSION;CORROSION;THERMAL WATERS;OXYGEN; CHEMICAL COMPOSITION;CORROSIVE EFFECTS

4102 STUDY OF CORROSION OF CARBON STEELS IN GEOTHERMAL WATERS. Akol'zin, P.A.; Tskhvirashvili, D.G.; Vardigoreli, O.Sh. Elektr. Stn.; No. 7, 45-7(1972). (Russian).
THERMAL WATERS;CORROSIVE EFFECTS;CARBON STEELS;FLOW RATE;TEMPERATURE DEPENDENCE;PH VALUE;CORROSION

4103 CORROSION OF CARBON STEELS IN GEOTHERMAL WATERS. Abol'zin, P.A.; Tskhvirashvili, D.G.; Vardigoreli, O.Sh. Elektr. Stn.; No. 7, 45-7(1972). (In Russian).
CARBON STEELS;CORROSION;THERMAL WATERS;PH VALUE;TEMPERATURE DEPENDENCE;FLOW RATE;OXYGEN; CARBON DIOXIDE;HYDROGEN SULFIDES;CORROSIVE EFFECTS

4104 CORROSION AND SCALING BY STEAM IN NUCLEAR GEOTHERMAL POWER PLANTS. Krikorian, O.H. (Univ. Calif., Livermore). Trans. Am. Nucl. Soc.; 15: No. 1, 24(Jun 1972).
GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; CORROSION;SCALING;NATURAL STEAM;RADIOACTIVITY; CONTAMINATION;STEAM TURBINES;GEOTHERMAL WELLS; ALLOYS;STEELS;CORROSIVE EFFECTS;EXPLOSIVE STIMULATION;NUCLEAR EXPLOSIONS

4105 CORROSION OF METALS IN GEOTHERMAL POWER PLANTS. Tskhvirashvili, D. (Inst. of Energy, Tbilisi, USSR); Vardigoreli, O.; Acolsin, P. Geothermics; 1: No. 3, 113-118(Sep 1972).
METALS;CORROSION;GEOTHERMAL POWER PLANTS; ALLOYS;GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION; BOREHOLES;HYDROGEN SULFIDES;CARBON DIOXIDE; HEATING;STEELS;ECONOMICS;CORROSIVE EFFECTS

4106 CORROSION CONTROL IN GEOTHERMAL SYSTEMS. Marshall, T.; Braithwaite, W.R. pp 151-160 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL ENERGY;ENGINEERING;IMPURITIES; SEPARATION PROCESSES;CORROSION;CORROSION PROTECTION;GEOTHERMAL FLUIDS;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS;CORROSIVE EFFECTS; CHEMICAL REACTIONS

4107 CORROSION AND SCALING IN NUCLEAR-STIMULATED GEOTHERMAL POWER PLANTS. Krikorian, O.H. (Univ. of California, Livermore). pp 315-334 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
ENVIRONMENT;CORROSION;SCALING;NATURAL STEAM; GASES;FRACTURES;ROCKS;GEOTHERMAL ENERGY;NUCLEAR EXPLOSIONS;GEOTHERMAL POWER PLANTS;OPERATION;

ECONOMICS;EFFICIENCY;SAFEGUARD REGULATIONS; POLLUTION REGULATIONS;CONTAMINATION REGULATIONS; RADIOISOTOPES

4108 CORROSION RESISTANCE OF METAL IN HOT BRINES: LITERATURE REVIEW. Banning, L.H.; Oden, L.L. (Albany Metall. Res. Cent., Albany, OR). US Bur. Mines Inf. Circ. No. 8601. Washington, DC; US Bur. Mines (1973). 39p.
CORROSION RESISTANCE;BRINES;CORROSIVE EFFECTS;ALUMINIUM;ALUMINIUM ALLOYS;COPPER; CARBON STEELS;CAST IRON;COPPER BASE ALLOYS; CHROMIUM ALLOYS;IRON ALLOYS;NICKEL BASE ALLOYS; COBALT BASE ALLOYS;TITANIUM;SEAWATER;CORROSION; METALS;ALLOYS

4109 THERMODYNAMIC EVALUATION OF THE CORROSION RATE IN NEUTRAL SALT SOLUTIONS. Nelaev, I.P.; Balezin, S.A. Uch. Zap. Gos. Pedagog. Inst.; 74: 33-7(1973).
CORROSION;STEELS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;THERMODYNAMICS;SOLUTIONS;CALCIUM CHLORIDES;CORROSIVE EFFECTS

4110 CORROSION OF COPPER ALLOYS IN HOT WATER FROM THE CASPIAN SEA. Konstantinova, E.V.; Semenova, L.S.; D'yakov, A.A. Zashch. Met.; 9: No. 2, 202-4(1973).
COPPER ALLOYS;SALTS;SEAWATER;CORROSION; TEMPERATURE DEPENDENCE;CORROSIVE EFFECTS;SODIUM; CORROSION RESISTANCE

4111 CORROSION OF COPPER AND ITS ALLOYS IN GEOTHERMAL WATERS. Akol'zin, P.A.; Tskhvirashvili, D.G.; Vardigoreli, O.Sh. (Sci. Res. Inst. of Power Eng., Gruz SSR). Prot. Met. (USSR) (Engl. Transl.); 9: No. 1, 56-8(Jan-Feb 1973).
COPPER;CORROSION;BRASS;GEOTHERMAL FLUIDS; CORROSIVE EFFECTS;TUBES;CORROSION PROTECTION; HEAT EXCHANGERS

4112 CORROSIVENESS OF GEOTHERMAL WATER. Polizo, G.D.; Kurishko, V.A. (Odess. Politekh. Inst., Odessa, USSR). Izv. Vyssh. Uchebn. Zaved., Energ.; 17: No. 8, 96-100(1974). (In Russian).
THERMAL WATERS;CORROSION;BOREHOLES;ALUMINIUM ALLOYS;PIPES;CARBON DIOXIDE;CARBONATES; DURALUMIN;DEPOSITS;CARBON STEELS;CORROSIVE EFFECTS

4113 CORROSION CHARACTERISTICS OF RHENIUM, MOLYBDENUM, TUNGSTEN, NIOBIUM, AND THEIR ALLOYS IN SEA WATER. Korovin, Yu.M.; Ulanovskii, I.B. (Inst. Phys. Chem., Moscow). Prot. Met. (USSR) (Engl. Transl.); 10: No. 2, 157-9(1974).
RHENIUM;MOLYBDENUM;TUNGSTEN;NIOBIUM;RHENIUM ALLOYS;MOLYBDENUM ALLOYS;TUNGSTEN ALLOYS; NIOBIUM ALLOYS;SEAWATER;OXYGEN;TIME DEPENDENCE; PH VALUE;CORROSION;CORROSIVE EFFECTS

4114 CORROSION RESISTANCE OF CEMENT MORTAR AND CONCRETE AGAINST HOT BRINE (80°). Kondo, W.; Kaneko, M.; Tazawa, Y.; Koseki, K.; Okamura, T.; Fujii, K. (Natl. Chem. Lab. Ind., Tokyo, Japan). 28: 131-5(1974).
CORROSION RESISTANCE;CEMENTS;CONCRETES; MORTARS;BRINES;MEDIUM TEMPERATURE;SEAWATER; CORROSIVE EFFECTS

4115 CORROSION OF MILD STEEL UNDER HEAT TRANSFER IN HIGH TEMPERATURE AERATED SODIUM CHLORIDE SOLUTIONS. Ashford, J.H.; Garnsey, R.; Mann, G.M.W. (Res. Dep., Cent. Electr. Generating Board, Leatherhead, England). Corros. Sci.; 14: No. 9, 515-25(1974).
SODIUM CHLORIDES;SOLUTIONS;HEAT TRANSFER; HIGH TEMPERATURE;CORROSION;STEELS;CORROSIVE EFFECTS

4116 CORROSION RESISTANCE OF SOME COMMERCIALLY AVAILABLE METALS AND ALLOYS TO GEOTHERMAL BRINES. Carter, J.P.; Cramer, S.D. (Bureau of Mines, College Park, MD). pp 240-250 of Corrosion problems in energy conversion and generation. Tedman, C.S. Jr. (ed.). Princeton, NJ; Electrochemical Society, Inc. (1974).
From Proceedings of the symposium on corrosion problems in energy conversion and generation; New York, New York, USA (15 Oct 1974).
CORROSION RESISTANCE;METALS;ALLOYS;BRINES; GEOTHERMAL FLUIDS;IMPERIAL VALLEY;CALIFORNIA; CORROSIVE EFFECTS;HASTELLOYS;INCONEL 625; TITANIUM BASE ALLOYS;TUNGSTEN ALLOYS;VANADIUM ALLOYS

4117 SOLUBILITY OF OXYGEN IN GEOTHERMAL BRINES. Cramer, S.D. (Bureau of Mines, College Park, MD). pp 251-262 of Corrosion problems in energy conversion and generation. Tedman, C.S. Jr. (ed.). Princeton, NJ; Electrochemical Society, Inc. (1974).
From Proceedings of the symposium on corrosion problems in energy conversion and generation; New York, New York, USA (15 Oct 1974).
At 25° to 270°C and 800 psi. OXYGEN; SOLUBILITY;GEOTHERMAL FLUIDS;BRINES;SODIUM CHLORIDES;SOLVENT PROPERTIES;THERMODYNAMIC PROPERTIES;INJECTION WELLS;EXTRACTION;TITRATION; CORROSION

4118 MATERIALS SCREENING PROGRAM FOR THE LLL GEOTHERMAL PROJECT. Lorensen, L.E. (Univ. of Calif., Lawrence Livermore Lab.). pp 105-113 of Eng. for the Mater/Energy Challenge, ASME Annu. Symp., 14th, Proc., Albuquerque, NM, Feb. 28-Mar 1, 1974. Abbin, J.P. Albuquerque, NM; NM Sect., ASME (1 Mar 1974).
From 14. ASME Annu. Symp.; Albuquerque, NM (Feb. 28-Mar 1, 1974).
PIPES;TURBINE BLADES;NOZZLES;CORROSION; BRINES;CORROSIVE EFFECTS;COMPOSITE MATERIALS; POLYMERS;MATERIALS TESTING;PLANNING

4119 CORROSION AGGRESSIVENESS OF GEOTHERMAL WATER. Polizo, G.D., (Odessa Polytech Inst, Ukr SSR); Kurishko, V.A. Izv. Vyssh. Uchebn. Zaved., Energ.; No. 8, 96-100(Aug 1974).
THERMAL WATERS;CORROSIVE EFFECTS;STEELS; CORROSION;PIPELINES;MINERALS;IODINE;ABUNDANCE; OXIDES;CARBONATES;DEPOSITS

4120 GEOTHERMAL PLANT CLEANING SYSTEM. Anderson, J.H. US Patent 3,846,986. 12 Nov 1974. Filed date 27 Aug 1971. 6p.
GEOTHERMAL FLUIDS;HEAT EXCHANGERS;CLEANING; GEOTHERMAL POWER PLANTS;MINERALS;DISSOLUTION; DEPOSITS

4121 CORROSION FATIGUE OF STEELS IN GEOTHERMAL STEAM. Okazaki, S.; Nakamura, H. (Tech. Res. Lab., Kawasaki Heavy Ind. Co., Ltd., Akashi, Japan). Zairyo; 24: No. 256, 15-21(1975).
NATURAL STEAM;STEELS;ONIKOBE GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;CHROMIUM-MOLYBDENUM STEELS;NICKEL-CHROMIUM STEELS; CORROSION FATIGUE;CORROSIVE EFFECTS

4122 CORROSION FATIGUE OF STEELS IN GEOTHERMAL STEAM. Okazaki, S.; Nakamura, H. Zairyo; 24: No. 256, 15-21(Jan 1975). (In Japanese).
CHROMIUM-MOLYBDENUM STEELS;NICKEL-CHROMIUM STEELS;CORROSION;GEOTHERMAL FLUIDS;FATIGUE; NATURAL STEAM;TIME DEPENDENCE;VANADIUM ADDITIONS;CORROSIVE EFFECTS;HYDROGEN SULFIDES

4123 EAST MESA TEST WELLS. Mathias, K.; Lundberg, E.A. Geotherm. Energy Mag.; 3: No. 6, 23-29(Jun 1975).
GEOTHERMAL WELLS;IMPERIAL VALLEY; DESALINATION;FEASIBILITY STUDIES;POWER GENERATION;ELECTRIC POWER;GEOTHERMAL FLUIDS; FRESH WATER;PRODUCTION;COLORADO RIVER;BY-PRODUCTS;TESTING;PERFORMANCE

Geothermal Reservoir and Well Performance

Refer also to citation(s) 268, 303, 1356, 1571, 2778, 3086, 3099, 3268, 3716, 3830, 3868, 3978, 3993, 3997, 4033, 4241, 4244, 4393, 4724

4124 (CONF-750612--, pp 157-169) RESERVOIR MECHANICS OF GEOPRESSURED AQUIFERS. Bernard, W.J. (Louisiana State Univ., Baton Rouge). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
GEOPRESSURED SYSTEMS;AQUIFERS;ENERGY YIELD; POWER POTENTIAL;FLOW RATE;GEOTHERMAL WELLS; EQUATIONS;FLUID FLOW;PERFORMANCE;MATHEMATICAL MODELS

4125 (CONF-750612--, pp 207-215) DRILL-STEM TESTING AND SAMPLING OF DEEP FRIO AND WILCOX RESERVOIRS. Montgomery, J.M. (Halliburton Services Research, Duncan, OK). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
SAMPLING;GEOPRESSURED SYSTEMS;TESTING; SAMPLERS;TEMPERATURE MEASUREMENT;BOREHOLES;WELL LOGGING;TEXAS;ELECTRICAL SURVEYS;FLOW RATE; PERMEABILITY;GEOTHERMAL FLUIDS

4126 (CONF-750612--, pp 217-225) NUMERICAL SIMULATION OF GEOPRESSURED GEOTHERMAL RESERVOIRS. Knapp, R.M.; Riney, T.D. 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
GEOPRESSURED SYSTEMS;SIMULATION;MATHEMATICAL MODELS;MASS TRANSFER;HEAT TRANSFER;DIFFERENTIAL EQUATIONS;AQUIFERS;GASES;ENERGY BALANCE

4127 (LA-UR--75-2335) SOME PROBLEMS INVOLVED WITH SAMPLING GEOTHERMAL SOURCES. Stoker, A.K.; Purtymun, W.D. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-Eng-36. 31p. (CONF-751086--2). Dep. NTIS $4.00.
GEOTHERMAL WELLS;SAMPLING;GEOTHERMAL FLUIDS; VARIATIONS;CHEMICAL COMPOSITION;FLOW RATE; SIMULATION;POLLUTION;CORROSION;SEPARATION PROCESSES;VAPOR CONDENSATION;CONTAINERS

4128 (NSF/RA/N--74-159, pp 256-267) GEOTHERMAL RESERVOIR SIMULATION. Mercer, J.W. Jr. (Geological Survey, Reston, VA); Faust, C.; Pinder, G.F. 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
GEOTHERMAL WELLS;PERFORMANCE;DIFFERENTIAL EQUATIONS;SIMULATION;GROUND SUBSIDENCE; MATHEMATICAL MODELS;COMPUTER CODES

4129 (NSF/RA/N--74-159, pp 281-291) GEOTHERMAL DOWN-WELL PUMPING SYSTEM. Matthews, H.B.; McBee, W.D. (Sperry Research Center, Sudbury, MA). 31 Dec 1974.
From Proceedings of the conference on research for the development of geothermal energy resources; Pasadena, CA (23 Sep 1974).
Proceedings of the conference on research for the development of geothermal energy resources.
HOT-WATER SYSTEMS;GEOTHERMAL WELLS; FEASIBILITY STUDIES;PUMPS;HEAT EXCHANGERS;STEAM TURBINES

4130 (PB--218830, pp 34) SELF-SEALING GEOTHERMAL FIELD. Facca, A.; Tonani, F. 1967.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL FIELDS;GEOTHERMAL SYSTEMS; SEDIMENTS;SEDIMENTATION;SILICON OXIDES;CLAYS; BOREHOLES;SEALS;SEALING MATERIALS;HYDROTHERMAL ALTERATION;GEOLOGY

4131 (PB--218830, pp 38) DEVICE FOR COLLECTING DOWN-HOLE WATER AND GAS SAMPLES IN GEOTHERMAL WELLS. Fournier, R.O.; Morganstern, J.C. 1971.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL WELLS;BOREHOLES;GEOTHERMAL FLUIDS; SAMPLING;SAMPLERS;DESIGN;YELLOWSTONE NATIONAL PARK;HOT SPRINGS;THERMAL WATERS;NATURAL STEAM

4132 (PB--218830, pp 41) NEW STEAM WELL IN THE TRAVALE GEOTHERMAL AREA (TUSCANY, ITALY). 1972.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
ITALY;GEOTHERMAL WELLS;POWER POTENTIAL; PERFORMANCE;STEAM;BLOWOUTS;HIGH TEMPERATURE; TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT; WELL DRILLING

4133 (PB--233123) FLASHING FLOW IN HOT WATER GEOTHERMAL WELLS. COMPUTER PROGRAM. Nathenson, M. (Geological Survey, Menlo Park, Calif. (USA)). May 1974. 34p. (USGS-GD--74-021). NTIS $4.75; $1.45 (mf).
GEOTHERMAL WELLS;FLUID FLOW;FLASHING;TWO-PHASE FLOW;COMPUTER CODES;P CODES;THERMODYNAMIC PROPERTIES;PERFORMANCE;PRODUCTION;GEOTHERMAL FLUIDS

4134 (SAND--75-0275) WELL-LOGGING TECHNOLOGY AND GEOTHERMAL APPLICATIONS: A SURVEY AND ASSESSMENT WITH RECOMMENDATIONS. Baker, L.E.; Campbell, A.B.; Hughen, R.L. (Sandia Labs., Albuquerque, N.Mex. (USA)). May 1975. Contract AT(29-1)-789. 75p. Dep. NTIS $6.75.
GEOTHERMAL WELLS;WELL LOGGING;MEASURING INSTRUMENTS;MEASURING METHODS;ELECTRIC MEASURING INSTRUMENTS;SAMPLERS;RADIATION DETECTORS;TEMPERATURE MEASUREMENT;ACOUSTIC

TESTING

4135 (UCID--16619) PROPOSED GEOTHERMAL SAMPLER DESIGN. Calder, C.A.; Lord, S.C.; Davis, D.D. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Nov 1974. Contract W-7405-eng-48. 7p. Dep. NTIS $4.00.
GEOTHERMAL WELLS;BRINES;SAMPLING;SAMPLERS; DESIGN;TESTING;GEOTHERMAL FLUIDS

4136 (UCID--16791) EFFECT OF SALINITY ON GEOTHERMAL WELL PERFORMANCE. Grens, J.Z. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 14 May 1975. Contract W-7405-eng-48. 17p. Dep. NTIS $4.00.
GEOTHERMAL WELLS;SALINITY;BRINES;PHYSICAL PROPERTIES;THERMODYNAMIC PROPERTIES;PERFORMANCE; VAPOR PRESSURE;ENTHALPY;POTASSIUM CHLORIDES; SODIUM CHLORIDES;DENSITY;VISCOSITY;FLOW RATE; PRESSURE MEASUREMENT;GEOTHERMAL FLUIDS

4137 (UCRL--13614) KLAMATH FALLS HOT WATER WELL STUDY. Culver, G.G.; Lund, J.W.; Svanevik, L.S. (Oregon Inst. of Tech., Klamath Falls (USA)). Oct 1974. 357p. Dep. NTIS $21.00.
OREGON;GEOTHERMAL WELLS;SPACE HEATING; PERFORMANCE;BUILDINGS;HOUSES

4138 (UCRL--77544) SAMPLING A TWO-PHASE GEOTHERMAL BRINE FLOW FOR CHEMICAL ANALYSIS. Hill, J.H.; Morris, C.J. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 5 Dec 1975. Contract W-7405-Eng-48. 27p. (CONF-751086--1). Dep. NTIS $4.00.
TWO-PHASE FLOW;GEOTHERMAL FLUIDS;PIPELINES; BRINES;CHEMICAL COMPOSITION;DENSITY;OXIDATION; SAMPLING;CARBON DIOXIDE;SULFUR

4139 POWER FROM STEAM WELLS. Power Eng.; 54: No. 10, 58-9(Oct 1950).
GEOTHERMAL WELLS;PERFORMANCE;LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS

4140 NATURAL STEAM POWER PLANTS OF LARDERELLO. Donato, G. Mech. Eng.; 73: 709-12(1951).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;NATURAL STEAM;WELL DRILLING;USES; THERMOELECTRICITY;EXPLOITATION;CHEMICAL PROPERTIES

4141 THERMAL INVESTIGATION IN DRILL HOLES. Dakhrov, V.N.; Dyakonov, O.I. Union of Soviet Socialist Republics (USSR); Gostoptekh. (1952). 252p.
Description of equipment and methods.
GEOTHERMAL WELLS;WELL DRILLING;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS;MEASURING METHODS;BOREHOLES

4142 SOCIETA LARDERELLO IN ITALY BRINGS IN WORLD'S LARGEST STEAM WELL. Mazzoni, A. Petrol. Engr.; 24: No. 9, A47-8, A53(Aug 1952).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL WELLS; PERFORMANCE;NATURAL STEAM;FLOW RATE;GEOTHERMAL POWER PLANTS;ELECTRIC POWER

4143 UTILIZATION OF UNDERGROUND WATER ABOVE CRITICAL PRESSURE. Claude, G. Genie Civil; 130: No. 6, 111-2(15 Mar 1953).
GEOTHERMAL WELLS;BOREHOLES;PRESSURE DEPENDENCE;CRITICAL PRESSURE;PERFORMANCE;

GEOTHERMAL FLUIDS

4144 INTERPRETATION OF TEMPERATURE LOGS IN WATER- AND GAS-INJECTION WELLS AND GAS-PRODUCING WELLS. Bird, J.M. (Bird Well Surveys, Bradford, PA). pp 187-195 of American Petroleum Institute Drilling and Production Practice. Bradford; Bird Well Surveys (1954).
INJECTION WELLS;BOREHOLES;WELL LOGGING;GASES; WATER;TEMPERATURE MEASUREMENT;HEAT TRANSFER

4145 DEEP-WELL TEMPERATURES AND GEOTHERMAL GRADIENT AT CIECHOCINEK. Stenz, E. Acta Geophys. Pol.; 2: No. 4, 159-68(1954). (In English with Polish summary).
POLAND;GEOTHERMAL WELLS;TEMPERATURE GRADIENTS;HEAT FLOW;THERMAL WATERS;BRINES; GEOTHERMAL GRADIENTS

4146 LARDERELLO STEAM VENTS OF TUSCANY. Pet. Times; 59: 483-5, 510(1955).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS;PERFORMANCE;POWER POTENTIAL

4147 FLOW-SAMPLING AND DISCHARGE MEASUREMENT IN GEOTHERMAL BORES. Banwell, C.J. ASME Paper 55-A-97. New York; United States of America (USA); ASME (1955). 26p.
From ASME Meeting; (13-18 Nov 1955).
GEOTHERMAL WELLS;FLOW RATE;SAMPLING; MEASURING METHODS;FLUID FLOW;GEOTHERMAL FLUIDS; SAMPLERS

4148 NEW ZEALAND THERMAL AREA AND ITS DEVELOPMENTS FOR POWER PRODUCTION. Banwell, C.J. ASME Paper 55-A-58. New York; United States of America (USA); ASME (1955). 24p.
From ASME Meeting; (13-18 Nov 1955).
WAIRAKEI GEOTHERMAL FIELD;HOT-WATER SYSTEMS; ENTHALPY;ENERGY YIELD;GEOTHERMAL WELLS;HEAT;NEW ZEALAND;WELL DRILLING;PERFORMANCE

4149 LARDERELLO STEAM VENTS OF TUSCANY. Pet. Times; 59: No. 1506, 483-5, 510(29 Apr 1955).
LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL WELLS; PERFORMANCE;NATURAL STEAM;GEOTHERMAL POWER PLANTS;WELL DRILLING;CORROSION;ELECTRIC POWER

4150 ELECTROFILTRATION POTENTIALS IN WELLS IN GEOTHERMAL AREAS (IN PHYSICS OF THE NEW ZEALAND THERMAL AREA). McCree, K.J. N. Z. J. Geol. Geophys.; 3: No. 1, 110(1957).
GEOTHERMAL WELLS;BOREHOLES;NEW ZEALAND; GEOTHERMAL FIELDS;WELL LOGGING;ELECTRICAL PROPERTIES

4151 FLOW SAMPLING AND DISCHARGE MEASUREMENT IN GEOTHERMAL BORES. Banwell, C.J. N. Z. J. Geol. Geophys.; 3: No. 1, 110(1957).
WAIRAKEI GEOTHERMAL FIELD;HEAT;ENERGY YIELD; NATURAL STEAM;THERMAL WATERS;MASS TRANSFER;FLOW RATE;GEOTHERMAL WELLS;SAMPLERS;GEOTHERMAL FLUIDS;SAMPLING

4152 STUDY OF THE UNDERGROUND TEMPERATURES GRADIENT OF SEVERAL WELLS IN ARIMA SPAR DISTRICT, NEAR KOBE, JAPAN. Ueji, T. J. Geog.; 67: No. 1, 31-40(1958). (In Japanese with English abstract).
JAPAN;MEDIUM TEMPERATURE;GEOTHERMAL GRADIENTS;BOREHOLES

4153 WAIRAKEI HYDROTHERMAL FIELD UNDER EXPLOITATION. Studt, F.E. N. Z. J. Geol. Geophys.; 1: No. 4, 703-23(1958).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS; PERFORMANCE;HEAT FLOW;RESERVES

4154 WAIRAKEI GEOTHERMAL STEAM PROJECT. Civ. Eng. (London); 54: No. 632, 191-4(Feb 1959).
WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS; PERFORMANCE;SPECIFICATIONS;GEOPRESSURED SYSTEMS; GEOTHERMAL FLUIDS;NEW ZEALAND

4155 VERTICAL TEMPERATURE DISTRIBUTION IN STEAM WELLS. Seno, K.; Yuhara, K. Volcanol. Soc. Jap. Bull.; 5: No. 1, 1-8(1960).
JAPAN;GEOTHERMAL WELLS;NATURAL STEAM; TEMPERATURE DISTRIBUTION;ROCKS;HEAT TRANSFER; FLOW RATE;COOLING;TEMPERATURE GRADIENTS; TEMPERATURE MEASUREMENT

4156 HYDROTHERMAL ALTERATION IN DRILL HOLES GS-5 AND GS-7, STEAMBOAT SPRINGS, NEVADA. Sigvaldason, G.E.; White, D.E. pp 113-17 of US Geological Survey Professional Paper 450-D, Article 153. Washington, DC; US Geol. Surv. (1962).
Mineral abundance; bottom-hole temperature. NEVADA;GEOTHERMAL WELLS;HYDROTHERMAL ALTERATION; TEMPERATURE MEASUREMENT;TEMPERATURE DISTRIBUTION;CHEMICAL COMPOSITION;BOREHOLES; STEAMBOAT SPRINGS;MINERALS

4157 RECENT DATA ON GEOTHERMAL INVESTIGATIONS IN HUNGARY. Belteky, L. Geofiz. Kozl.; 12: No. 1-2, 3-47(1963). (English and Russian summaries).
HUNGARY;GEOTHERMAL WELLS;DATA;TEMPERATURE MEASUREMENT

4158 METHODS AND APPARATUS USED FOR WELLMOUTH MEASUREMENTS IN THE LARDERELLO GEOTHERMAL ZONE WHEN A NEW WELL COMES IN. Nencetti, R. pp 326-38 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 2. New York; United Nations (1964). (In French with English summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
LARDERELLO GEOTHERMAL FIELD;DRY-STEAM SYSTEMS;GEOTHERMAL WELLS;FLUID FLOW;FLOW RATE; NATURAL STEAM;GASES;VOLUME;MEASURING METHODS; WELL LOGGING;PRESSURE MEASUREMENT;LABORATORY EQUIPMENT;GEOTHERMAL FLUIDS;STEAM SEPARATORS; MEASURING INSTRUMENTS;AMMONIA

4159 MEASUREMENT OF BOREHOLE DISCHARGES, DOWNHOLE TEMPERATURES AND PRESSURES, AND SURFACE HEAT FLOWS AT WAIRAKEI. Hunt, A.M. pp 196-207 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
Calorimeters, geothermographs. WAIRAKEI GEOTHERMAL FIELD;GEOTHERMAL WELLS;TWO-PHASE FLOW;HOT-WATER SYSTEMS;HEAT FLOW;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;FLUID FLOW; FLOW RATE;MEASURING METHODS;SAMPLERS; CALORIMETERS;THERMOMETERS;BOREHOLES;PERFORMANCE

4160 MANAGEMENT, IN RELATION TO MEASUREMENTS, AND BORE MAINTENANCE OF AN OPERATING GEOTHERMAL STEAM FIELD. Innes, I.A. pp 208-14 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (French summary)
From UN Conference on New Sources of Energy; Rome, Italy (1961).
MANAGEMENT;WAIRAKEI GEOTHERMAL FIELD;STEAM TURBINES;GEOTHERMAL POWER PLANTS;ELECTRIC POWER; POWER GENERATION;GEOTHERMAL WELLS;OPERATION; MAINTENANCE;PERFORMANCE;DATA PROCESSING;DATA COMPILATION;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT;FLOW RATE

4161 ALTERNATIVE METHODS OF DETERMINING ENTHALPY AND MASS FLOW. James, R. pp 265-8 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 2. New York; United Nations (1964).
ENTHALPY;MASS TRANSFER;GEOTHERMAL WELLS; MEASURING METHODS;MEASURING INSTRUMENTS;BETA SOURCES;GEIGER-MUELLER COUNTERS;MAGNESIUM SULFATES;INJECTION;PRESSURE MEASUREMENT;TWO-PHASE FLOW;GEOTHERMAL FLUIDS;PERFORMANCE;FLOW RATE;FLUID FLOW

4162 M-3 WELL OF THE GEOTHERMAL FIELD OF CERRO PRIETO, B.C., MEXICO. Alonso Espinosa, H.; Mooser, F. Asoc. Mexicana Geol. Petrol. Bol.; 16: No. 7-8, 163-77(1964). (In Spanish with English abstract).
CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL WELLS;PERFORMANCE;FLOW RATE;STEAM;WATER; VOLCANIC REGIONS

4163 SAMPLING OF GEOTHERMAL DRILLHOLE DISCHARGES. Mahon, W.A.J. pp 269-78 of UN Conference on New Sources of Energy, Rome, 1961, Proceedings, Volume 2. New York; United Nations (1964). (French summary)
400-500 Btu/lb enthalpy, 200-1000 klb/hr discharge rate. WAIRAKEI GEOTHERMAL FIELD; NATURAL STEAM;HOT-WATER SYSTEMS;FLOW RATE; GEOTHERMAL WELLS;SAMPLING;GEOTHERMAL FLUIDS; PERFORMANCE

4164 WELL M-3 IN GEOTHERMAL FIELD OF CERRO PRIETO, BAJA CALIFORNIA, MEXICO. Alonso Espinosa, H.; Mooser, F. Asociacion Mexicana de Geologos Petroleros - Boletin; 16: No. 7-8, 163-77(Jul-Aug 1964).
GEOTHERMAL WELLS;PERFORMANCE;MEXICO; FUMAROLIC FLUIDS;CERRO PRIETO GEOTHERMAL FIELD; GEOTHERMAL FLUIDS

4165 TWO-PHASE CRITICAL FLOW IN GEOTHERMAL STEAM WELLS. Ryley, D.J. Int. J. Mech. Sci.; 6: No. 4, 273-85(Aug 1964).
GEOTHERMAL WELLS;TWO-PHASE FLOW;CRITICAL FLOW;FLUID MECHANICS;GEOTHERMAL FLUIDS

4166 EXPLOITATION OF MATSUKAWA GEOTHERMAL AREA, IWATE PREFECTURE, JAPAN. Mori, Y. pp 117-18 of International Symposium Volcanol., New Zealand, Proceedings. (1965).
MATSUKAWA GEOTHERMAL FIELD;GEOTHERMAL WELLS; WELL DRILLING;NATURAL STEAM;PRODUCTION;WELL LOGGING;TEMPERATURE MEASUREMENT;EXPLOITATION; ELECTRICAL SURVEYS;BLOWOUTS

4167 POWER-LIFE OF A HYDROTHERMAL SYSTEM. James, R. pp 90-1 of International Symposium Volcanol., New Zealand. New Zealand; Internatl. Symp. Volcanol. (1965).
HYDROTHERMAL SYSTEMS;AQUIFERS;RESERVES;POWER POTENTIAL;GEOTHERMAL FLUIDS;POROSITY;ROCKS; BOREHOLES;NATURAL STEAM;THERMAL WATERS;HOT-WATER SYSTEMS;FLASHING

4168 MEASUREMENTS OF THE WEIGHT DISCHARGE FROM GEOTHERMAL STEAM WELLS. Bodvarsson, G.; Ryley, D.J. Joekull (Reykjavik); 16: No. 3, 184-99(1966).
GEOTHERMAL WELLS;GEOTHERMAL FLUIDS;FLOW RATE; TWO-PHASE FLOW;MATHEMATICAL MODELS;DATA; MEASURING METHODS;HOT-WATER SYSTEMS

4169 FLUCTUATIONS OF WATER LEVEL IN WELLS IN THE OLD CITY OF BEPPU SPA, II. Yamashita, K. Onsen Kagaku; 16: No. 3-4, 136-43(1966).
JAPAN;THERMAL WATERS;GROUND WATER;MIXING; GEOLOGIC FAULTS;AQUIFERS;GEOTHERMAL WELLS; PERFORMANCE;LEVELS;VARIATIONS

4170 CALCULATION OF UNDERGROUND CHANGES IN ENTHALPY FROM CHANGES IN CHLORIDE CONCENTRATION OF WATERS FROM WAIRAKEI DRILLHOLE DISCHARGES DURING 1965. Wilson, S.H.; Mahon, W.A.J.; Aldous, K.J. N. Z. J. Sci.; 10: No. 3, 843-75(1967).
NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD; BOREHOLES;NATURAL STEAM;CHEMICAL COMPOSITION; CHLORIDES;ABUNDANCE;ENTHALPY;MEASURING METHODS; GEOTHERMAL FLUIDS;SAMPLING

4171 CHEMICAL CHANGES IN GEOTHERMAL WELL M-20, CERRO PRIETO, MEXICO. Mercado, S. Mexico; Geol. Soc. Am., Ann. Mtg. (1968). 11p.
GEOTHERMAL WELLS;CERRO PRIETO GEOTHERMAL FIELD;ENTHALPY;SODIUM;POTASSIUM;SILICON OXIDES; GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION; VARIATIONS;PERFORMANCE;PRESSURE MEASUREMENT

4172 TEMPERATURE AND PRESSURE MEASUREMENTS OF THE GEOTHERMAL WELL, MATSUKAWA NO. 4. Baba, K. Jap. Geol. Survey Bull.; 19: No. 11, 725-8(1968). (In Japanese with English abstract).
Temperature data from surface to 1400 m. TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT; GEOTHERMAL WELLS;MATSUKAWA GEOTHERMAL FIELD; PERFORMANCE;PERMEABILITY;HYDROTHERMAL SYSTEMS

4173 CHEMICAL CHANGES IN GEOTHERMAL WELL M-20. Mercado, S. (Cerro Prieto, MX). Geol. Soc. America Bull; 80: No. 12, 2623-2630(1969).
Steam-water discharge rate 680 tons/hr, 480 Btu/lb at 16 kg/cm² pressure. CERRO PRIETO GEOTHERMAL FIELD;GEOTHERMAL WELLS;HOT-WATER SYSTEMS;NATURAL STEAM;SODIUM;POTASSIUM;ISOTOPE RATIO;VARIATIONS;PERFORMANCE;CHEMICAL COMPOSITION;GEOTHERMAL FLUIDS

4174 APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION. Whiting, R.L.; Ramey, H.J., Jr. J. Pet. Technol.; 893-900(1969).
Reservoir engineering. GEOTHERMAL RESOURCES; GEOTHERMAL FLUIDS;ENGINEERING;FORECASTING; GEOTHERMAL WELLS;THERMODYNAMICS;PERFORMANCE

4175 APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION. Ramey, R.L.W.; Henry, J., Jr. (Texas A and M Univ., College Station and Stanford Univ., CA). J. Pet. Technol.; 893-900(Jul 1969).
GEOTHERMAL ENERGY;THERMODYNAMICS;GEOTHERMAL WELLS;STEAM;HEAT FLOW;HOT SPRINGS;GEYSERS; PERFORMANCE;GEOTHERMAL FLUIDS;MANAGEMENT; EQUATIONS;THERMODYNAMIC PROPERTIES

4176 SOME OBSERVATIONS ABOUT THE THERMO-FLUID-DYNAMIC BEHAVIOR OF THE STEAM IN THE WELLS OF LARDERELLO AND ABOUT THE BEST EXPLOITATION CONDITIONS. Rumi, O. (Istituto di Fisica Tecnica, Politecnico di Milano. Italy). Geothermics; No. 2, 698-703(1970).
DRY-STEAM SYSTEMS;GEOTHERMAL WELLS; HYDRODYNAMICS;LARDERELLO GEOTHERMAL FIELD; THERMODYNAMICS;ITALY;FLUID FLOW;NATURAL STEAM; PERFORMANCE

4177 COMPLETION OF PRODUCING GEOTHERMAL WELLS. Cigni, U.; Giovannoni, A.; Luschi, E.; Vidali, M. (ENEL, Compartimento di Firenze, Gruppo Perforazioni, Larderello, Italy). Geothermics; No. 2, 757-63(1970).
GEOTHERMAL WELLS;BLOWOUTS;WELL DRILLING; STEAM;PRODUCTION;OPERATION

4178 SUBSURFACE AND OUTPUT MEASUREMENTS ON GEOTHERMAL BORES IN NEW ZEALAND. Wainwright, D.K. (Ministry of Works, Wairakei, N.Z.). Geothermics; No. 2, 764-7(1970).
EQUIPMENT;GEOTHERMAL WELLS;TEMPERATURE MEASUREMENT;PRESSURE MEASUREMENT;BOREHOLES;TWO-PHASE FLOW;PRESSURE GAGES;WATER;STEAM;HEAT TRANSFER;NEW ZEALAND;FLOW RATE;MEASURING METHODS;LIQUID FLOW

4179 BEHAVIOR OF THE WAIRAKEI GEOTHERMAL FIELD DURING EXPLOITATION. Bolton, R.S. (Ministry of Works, PO Box 12-041, Wellington, New Zealand). Geothermics; Special Issue 2: 1426-39(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
WAIRAKEI GEOTHERMAL FIELD;MASS TRANSFER; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE; AQUIFERS;VARIATIONS;POWER POTENTIAL;USES; PERFORMANCE;RESERVES;GEOTHERMAL WELLS

4180 FACTORS CONTROLLING BOREHOLE PERFORMANCE. James, R. (DSIR, Taupo, New Zealand). Geothermics; Special Issue 2: 1502-15(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL WELLS;BOREHOLES;THERMAL WATERS; NATURAL STEAM;PERFORMANCE;ENTHALPY;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE;ROCKS; PERMEABILITY;FRACTURES;FLUID FLOW

4181 EVALUATION OF OPERATIONAL RESERVES OF HIGH-TEMPERATURE WATERS. Sugrobov, V.M. (Inst. Volcanology,, Acad. of Sciences, Siberian Dept., Petropavlovsk-Kamchatsky, USSR). Geothermics; Special Issue 2: 1256-60(1970).
Piezometric level sinking. NATURAL STEAM; THERMAL WATERS;HOT-WATER SYSTEMS;GEOTHERMAL WELLS;HYDROLOGY;GEOTHERMAL RESOURCES; PERFORMANCE;PRESSURE MEASUREMENT;LEVELS;POWER POTENTIAL;RESERVES

4182 INTERPRETATION OF GAS COMPOSITIONS FROM THE WAIRAKEI FIELD OVER 10 YEARS. Glover, R.B. (Chem. Div., D.S.I.R., Taupo, New Zealand). Geothermics; Special Issue 2: 1355-66(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
CHEMICAL COMPOSITION;NATURAL STEAM;CARBON DIOXIDE;HYDROGEN SULFIDES;BOREHOLES;ENTHALPY; NEW ZEALAND;TEMPERATURE MEASUREMENT;AQUIFERS; GEOCHEMICAL SURVEYS;WAIRAKEI GEOTHERMAL FIELD

4183 STUDY OF THE RESERVOIR AT THE MATSUKAWA

GEOTHERMAL FIELD. Baba, K.; Takaki, S. (Geological Survey of Japan, 135 Hisamoto-cho, Kawasaki-shi); Matsuo, G.; Katagiri, K. (Nihon Jyukagaku Kogyo Co., Japan). Geothermics; Special Issue 2: 1440-7(1970). From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
MATSUKAWA GEOTHERMAL FIELD;FLUID FLOW; GEOTHERMAL FLUIDS;JAPAN;GEOTHERMAL WELLS; STRATIGRAPHY;PERMEABILITY;LAYERS;IGNEOUS ROCKS; WELL LOGGING

4184 DEVICE FOR MEASURING DOWN-HOLE PRESSURES AND FOR SAMPLING FLUIDS IN GEOTHERMAL WELLS. Fournier, R.O.; Truesdell, A.H. (Geological Survey, Menlo Park, CA). pp C146-150 of Geological Survey Research 1971, (Chapter C, Professional Paper 750-C). Menlo Park; Geological Survey (1971).
GEOTHERMAL WELLS;SAMPLING;PRESSURE MEASUREMENT;PRESSURE GAGES;DESIGN;SAMPLERS; THERMAL WATERS;STEAM;GEOTHERMAL FLUIDS

4185 COMPUTER CALCULATION OF DOWN-HOLE CHEMISTRY IN GEOTHERMAL AREAS. Truesdell, A.H.; Singers, W.A. N.Z. Dep. Sci. Ind. Res., Chem. Div., Rep. No. C.D. 2136. Lower Hutt, N.Z.; New Zealand; Chem. Div., Dept. Sci. Ind. Res. (1971). 145p.
AQUIFERS;GEOTHERMAL WELLS;GEOTHERMAL FLUIDS; WATER;NATURAL STEAM;ENTHALPY;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS

4186 SOME PHYSICAL PROPERTIES OF THE STEAM DISCHARGED FROM GEOTHERMAL GROUND. Kikkawa, K. (Kyoto Univ., Japan). Contr. Geophys. Inst. Kyoto Univ.; No. 11, 91-101(Dec 1971).
NATURAL STEAM;TWO-PHASE FLOW;PHYSICAL PROPERTIES;PIPES;MASS TRANSFER;VELOCITY; GEOTHERMAL WELLS;SOUND WAVES;FLOW RATE;THERMAL WATERS

4187 ISOTOPIC COMPOSITION AND UNDERGROUND TEMPERATURE OF THE OTAKE GEOTHERMAL WATER, KYUSHU, JAPAN. Mizutani, Y. (Fac. Sci., Nagoya Univ., Nagoya, Japan). Geochem. J. (Nagoya); 6: No. 2, 67-73(1972).
OTAKE GEOTHERMAL FIELD;GEOTHERMAL WELLS; GEOTHERMAL FLUIDS;METEORIC WATER;SULFATES; NATURAL STEAM;OXYGEN ISOTOPES;TEMPERATURE MEASUREMENT;ISOTOPE RATIO;CHEMICAL ANALYSIS

4188 OCCURRENCE OF TESCHEMACHERITE IN A GEOTHERMAL WELL AT BROADLANDS, NEW ZEALAND. Browne, P.R.L. (New Zealand Geol. Surv., Lower Hutt, NZ). Am. Mineral.; 57: No. 7-8, 1304-5(1972).
BROADLANDS GEOTHERMAL FIELD;GEOTHERMAL WELLS; AMMONIUM COMPOUNDS;CARBONATES;CRYSTALS; PERFORMANCE;BOREHOLES;MINERALS

4189 SOME CONSIDERATIONS ON THE FLOW-RATE/ PRESSURE CURVE OF THE STEAM WELLS OF LARDERELLO. Rumi, O. (Politecnico, Milan). Geothermics; 1: No. 1, 13-24(Mar 1972).
GEOTHERMAL ENERGY;PRESSURE DEPENDENCE;FLOW RATE;BOREHOLES;CORRELATIONS;ITALY;NATURAL STEAM; GEOTHERMAL WELLS;PERFORMANCE;LARDERELLO GEOTHERMAL FIELD

4190 NEW STEAM WELL IN THE TRAVALE GEOTHERMAL AREA (TUSCANY, ITALY). Geothermics; 1: No. 1, 41(Mar 1972).
GEOTHERMAL WELLS;NATURAL STEAM;ITALY;FLOW RATE;ANHYDRITE;LIMESTONE;PRESSURE MEASUREMENT; TEMPERATURE MEASUREMENT;PERFORMANCE

4191 FLOW IN GEOTHERMAL WELLS (AN ANALYTICAL STUDY). Tolivia, E. (Comision Federal de Electricidad, Mexico City). Geothermics; 1: No. 4, 141-145(Dec 1972).
GEOTHERMAL WELLS;TEMPERATURE MEASUREMENT; PIPELINES;COMPARATIVE EVALUATIONS;SUPERHEATING; SCALING;FLUID FLOW;GEOTHERMAL FLUIDS;FLASHING; NATURAL STEAM;THERMAL WATERS;PERFORMANCE

4192 STEAM PRODUCTION AT THE GEYSERS GEOTHERMAL FIELD. Budd, C.F. Jr. (Union Oil Co. of California, Cloverdale). pp 129-144 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
GEOTHERMAL RESOURCES;PRODUCTION;CALIFORNIA; ELECTRIC POWER;WELL DRILLING;MANAGEMENT; OPERATION;PERFORMANCE;SITE SELECTION;GEYSERS GEOTHERMAL FIELD;NATURAL STEAM;GEOTHERMAL WELLS; PERFORMANCE

4193 WELL MEASUREMENTS. Dench, N.D. (Ministry of Works, Wellington, N.Z.). pp 85-95 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL WELLS;EXPLORATION;DATA;MEASURING METHODS;WELL LOGGING;STEAM;WATER;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT;FLOW RATE; BOREHOLES;SAFETY

4194 MODEL STUDIES OF GEOTHERMAL STEAM PRODUCTION. Cady, C.V.; Bilhartz, H.L., Jr.; Ramey, H.J., Jr. (Stanford Univ., CA). AIChE Symp. Ser.; 69: No. 129, 445-52(1973).
GEOTHERMAL ENERGY;NATURAL STEAM;HYDROTHERMAL SYSTEMS;STRUCTURAL MODELS;FUNCTIONAL MODELS; BOILING;WATER RESERVOIRS;STEAM GENERATORS;PHASE TRANSFORMATIONS

4195 CORROSION OF COPPER AND ITS ALLOYS IN GEOTHERMAL WATERS. Akol'zin, P.A.; Tskhvirashvili, D.G.; Vardigoreli, O.Sh. (Gruz. Nauchno-Issled. Inst. Energ., Tbilisi, USSR). Zashch. Met.; 9: No. 1, 63-6(1973).
COPPER;COPPER ALLOYS;CORROSION;GEOTHERMAL FLUIDS;FLOW RATE;BRASS;BRONZE;SODIUM COMPOUNDS; POTASSIUM COMPOUNDS;MAGNESIUM COMPOUNDS; CHLORIDES;CARBONATES;SILICATES;HYDROGEN SULFIDES;CARBON DIOXIDE;PH VALUE;MEDIUM TEMPERATURE;TEMPERATURE DEPENDENCE; MINERALIZATION;THERMAL WATERS;CORROSIVE EFFECTS

4196 EXPLORATION AND STEAM-FLOW TEST OF MA-TSAO E-202 GEOTHERMAL WELL IN TAIWAN. Chiu, C.-T. (Ind. Technol. Res. Inst., Taiwan). K'uang Yeh Chi Shu; 11: No. 9, 5-8, 19(1973).
TAIWAN;GEOTHERMAL WELLS;NATURAL STEAM;FLOW RATE;GEOTHERMAL FLUIDS;PH VALUE;CARBON DIOXIDE; HYDROGEN SULFIDES;SULFUR DIOXIDE;EXPLORATION; CHEMICAL COMPOSITION

4197 NATURAL STEAM FOR DEVELOPING ELECTRICITY. Geiger, C.W. pp 105-108 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
NATURAL STEAM;GEYSERS GEOTHERMAL FIELD; REVIEWS;WELL DRILLING;GEOTHERMAL WELLS; TURBOGENERATORS;POWER GENERATION

4198 VERTICAL TWO-PHASE STEAM-WATER FLOW IN GEOTHERMAL WELLS. Gould, T.L. (Intercomp, Houston, TX; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1215(Nov 1973).

From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
TWO-PHASE FLOW;STEAM;WATER;GEOTHERMAL WELLS; EQUATIONS;COMPUTER CODES;PRESSURE DROP; SIMULATION;GEOTHERMAL FLUIDS

4199 FLASHING FLOW IN HOT WATER GEOTHERMAL WELLS. Nathenson, M. (US Geological Survey, Menlo Park, CA; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1215(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
GEOTHERMAL WELLS;FLASHING;AQUIFERS;FLUID FLOW;TEMPERATURE DISTRIBUTION;MASS TRANSFER; FLOW RATE;PRESSURE DROP;THERMAL WATERS;HOT-WATER SYSTEMS;PERFORMANCE

4200 PRELIMINARY RESULTS OF GEOTHERMAL WELL MESA 6-2, MESA ANOMALY, IMPERIAL VALLEY, CALIFORNIA. Swanberg, C.A. (US Bur. Reclamation, Boulder City, NV; Amer. Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1215-16(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
1830 m well depth, 187°C bottom-hole temperature. GEOTHERMAL WELLS;TEMPERATURE MEASUREMENT;IMPERIAL VALLEY;CALIFORNIA;WELL CASINGS

4201 FLASHING FLOW IN HOT-WATER GEOTHERMAL WELLS. Nathenson, M. J. Res. U.S. Geol. Surv.; 2: No. 6, 743-751(1974).
WAIRAKEI GEOTHERMAL FIELD;IMPERIAL VALLEY; HOT-WATER SYSTEMS;GEOTHERMAL WELLS;FLOW RATE; EVAPORATION;STEAM;PRESSURE DROP;DARCY LAW;FLUID FLOW;PERFORMANCE;SOILS;PERMEABILITY;TEMPERATURE DEPENDENCE

4202 TWO-PHASE, TWO-DIMENSIONAL SIMULATION OF A GEOTHERMAL RESERVOIR AND THE WELLBORE SYSTEM. Toronyi, R.M. Penn. State Univ. (1974). 252p. University Microfilms Order No. 75-19,828.
Thesis (Ph. D.).
MATHEMATICAL MODELS;GEOTHERMAL WELLS;TWO-PHASE FLOW;GEOTHERMAL FLUIDS;FLUID FLOW; SIMULATION;POROSITY;PERMEABILITY;HYDROTHERMAL SYSTEMS

4203 GEOTHERMAL HOT WATER RECOVERY PROCESS AND SYSTEM. Kuwada, J.T. (to Rogers Engineering Co., Inc.). US Patent 3,782,468. 1 Jan 1974. Filed date 20 Sep 1971. 14p.
GEOTHERMAL ENERGY;DESIGN;FLASHING;STEAM; ENERGY SOURCES;HOT-WATER SYSTEMS;HIGH TEMPERATURE;UNDERGROUND;GEOTHERMAL WELLS; THERMAL WATERS

4204 TEMPERATURE TRANSIENTS IN FLOWING BOREHOLES. Bodvarsson, G.; Shih-Ming Lu, R. (Oregon State Univ., Corvallis, Oregon); Lowell, R.P. (Georgia Inst. Tech., Atlanta, Georgia). Geothermics; 3: No. 1, 21-4(Mar 1974).
BOREHOLES;TEMPERATURE MEASUREMENT; MATHEMATICAL MODELS;WELL LOGGING;DEPTH;FLUID FLOW;GEOTHERMAL WELLS

4205 VERTICAL TWO-PHASE STEAM-WATER FLOW IN GEOTHERMAL WELLS. Gould, T.L. (Intercomp. Resour. Dev. and Eng., Inc., Houston, TX). J. Pet. Technol.; 833-42(Aug 1974).
GEOTHERMAL WELLS;TWO-PHASE FLOW;COMPUTER CODES;GEOTHERMAL FLUIDS;EQUATIONS;MATHEMATICAL MODELS;PERFORMANCE

4206 INSTRUMENT FOR MEASURING THE GAS CONCENTRATIONS IN GEOTHERMAL WELLS. McDowell, G.D. (Chem. Div., Dept. Scientific and Indus. Res., Wairakei, N.Z.). Geothermics; 3: No. 3, 100-4(Sep 1974).
GEOTHERMAL WELLS;GASES;ABUNDANCE;MEASURING INSTRUMENTS;VAPOR PRESSURE;GAS ANALYSIS; SAMPLING;GEOTHERMAL FLUIDS

4207 COMPUTATION OF WATER TEMPERATURE AT THE MOUTH OF A GEOTHERMAL WELL. Polizo, G.D.; Kurishko, V.A. (Odessa Polytechnic Inst.). Heat Transfer - Sov. Res.; 7: No. 2, 145-150(1975).
GEOTHERMAL WELLS;TEMPERATURE MEASUREMENT; HEAT TRANSFER;MASS TRANSFER;GEOTHERMAL FLUIDS; EQUATIONS

4208 PRECISION GRAVIMETRY AT THE GEYSERS, CALIFORNIA. Isherwood, W.F. (Geological Survey, Denver). pp 1128 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
GEYSERS GEOTHERMAL FIELD;CALIFORNIA; GEOTHERMAL WELLS;MASS TRANSFER;GRAVIMETRY; GEOTHERMAL SYSTEMS;FLUID WITHDRAWAL

4209 GEOTHERMAL RESERVOIR ENGINEERING. Takahashi, P.K. (Univ. of Hawaii, Honolulu); Chen, B. Geotherm. Energy Mag.; 3: No. 10, 7-23(Oct 1975).
GEOTHERMAL WELLS;ENGINEERING;HYDROTHERMAL SYSTEMS;PERFORMANCE;TESTING;WELL LOGGING; REVIEWS;MATHEMATICAL MODELS;STRUCTURAL MODELS; GEOTHERMAL POWER PLANTS;SITE SELECTION

4210 THEORETICAL STUDY OF HEAT EXTRACTION FROM AQUIFERS WITH UNIFORM REGIONAL FLOW. Gringarten, A.C.; Sauty, J.P. (Bureau de Recherches Geologiques et Minieres, Service Geologique National, Orleans, France). J. Geophys. Res.; 80: No. 35, 4956-62(10 Dec 1975).
AQUIFERS;HEAT EXTRACTION;MATHEMATICAL MODELS; PUMPING;GEOTHERMAL WELLS;GEOTHERMAL FLUIDS; GEOTHERMAL SPACE HEATING;INJECTION WELLS; TEMPERATURE MEASUREMENT

Safety and Control

4211 (ERDA--110(Vol.2)) FEDERAL INVENTORY OF ENERGY-RELATED BIOMEDICAL AND ENVIRONMENTAL RESEARCH FOR FY 1974 AND FY 1975. PROJECT ABSTRACTS. VOLUME II. (Energy Research and Development Administration, Washington, D.C. (USA). Div. of Biomedical and Environmental Research). Oct 1975. 629p. Dep. NTIS $13.60.
US ERDA;RESEARCH PROGRAMS;BIOLOGY;MEDICINE; ENVIRONMENT;ENERGY SOURCES;ENVIRONMENTAL EFFECTS;HEALTH HAZARDS;HUMAN POPULATIONS

4212 (ERDA--110(Vol.4)) FEDERAL INVENTORY OF ENERGY-RELATED BIOMEDICAL AND ENVIRONMENTAL RESEARCH FOR FY 1974 AND FY 1975. (Energy Research and Development Administration, Washington, D.C. (USA). Div. of Biomedical and Environmental Research). Oct 1975. 511p. Dep. NTIS $10.00.
TVA, NASA, National Institutes of Health,

National Institute for Occupational Safety and Health. RESEARCH PROGRAMS;ENERGY SOURCES; ENVIRONMENTAL EFFECTS;BIOLOGY;MEDICINE; ENVIRONMENT;HEALTH HAZARDS;HUMAN POPULATIONS; USA

4213 CONTROL AND SAFETY OF GEOTHERMAL INSTALLATIONS. Armstead, H.C.H. (Old Palace Terrace, The Green, Richmond, Surrey, England); Shaw, J.R. Geothermics; No. 2, 848-64(1970).
GEOTHERMAL POWER PLANTS;CONTROL;SAFETY

Reservoir Stimulation and Extraction Technology

Refer also to citation(s) 233, 271, 1000, 2102, 3638, 3948, 3959, 3971, 4079, 4080, 4104

4214 (BNWL--1614) PLOWSHARE GEOTHERMAL STEAM CHEMISTRY, INTRODUCTORY STUDIES. Charlot, L.A.; Morgan, W.C.; Warner, I.M. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). 1971. 50p. Dep. NTIS.
PLOWSHARE PROJECT;NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS;EXPLOSIVE STIMULATION; CONTAMINATION;NATURAL STEAM;RADIOISOTOPES;ROCKS; LEACHING;SILICON OXIDES;CESIUM;ANTIMONY; EUROPIUM;CERIUM;RUTHENIUM;GEOTHERMAL SYSTEMS; GRANITES;THERMAL WATERS;SOLUBILITY;ABUNDANCE

4215 (BNWL-B--110) FOREIGN AND DOMESTIC DISCUSSIONS ON NATURAL GEOTHERMAL POWER AND POTENTIAL USE OF PLOWSHARE TO STIMULATE THESE NATURAL SYSTEMS. Burnham, J.B.; Stewart, D.H. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). 6 Jul 1971. 19p. NTIS $3.00; $0.95 (mf).
CALIFORNIA;AUSTRALIA;HAWAII;ICELAND;ITALY; NEW ZEALAND;GEOTHERMAL RESOURCES;PLOWSHARE PROJECT;EXPLOSIVE STIMULATION;GEOTHERMAL SYSTEMS;NUCLEAR EXPLOSIONS

4216 (BNWL-B--134) SURVEY OF EXPERT GEOLOGICAL OPINION ON FEASIBILITY OF PLOWSHARE STIMULATION OF NATURAL GEOTHERMAL SYSTEMS. Stewart, D.H.; Burnham, J.B. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). 20 Sep 1971. 20p. Dep. NTIS $3.00.
NUCLEAR EXPLOSIONS;GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES;EXPLOSIVE STIMULATION; PLOWSHARE PROJECT;GEOTHERMAL SYSTEMS;GEOLOGY; PRODUCTION;RADIOACTIVITY;SAFETY;CAVITIES; PERMEABILITY;STEAM;WATER;FRACTURES;UNDERGROUND EXPLOSIONS

4217 (BNWL-SA--2803) APPLICATION OF PLOWSHARE TO GEOTHERMAL POWER. Stewart, D.H.; Burnham, J.B. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). 25 Nov 1969. 9p.
GEOTHERMAL ENERGY;ELECTRIC POWER;GEOTHERMAL WELLS;EXPLOSIVE STIMULATION;PLOWSHARE PROJECT; NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS

4218 (BNWL-SA--4079) STATUS OF PLOWSHARE GEOTHERMAL POWER. Stewart, D.H. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). 18 Oct 1971. Contract AT(45-1)-1830. 6p. (CONF-711017--1). NTIS $3.00; $0.95 (mf).
PLOWSHARE PROJECT;EXPLOSIVE STIMULATION; GEOTHERMAL RESOURCES;NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS;LEGISLATION;GEOTHERMAL SYSTEMS;ECONOMICS

4219 (BNWL-SA--4259(Rev.)(DR)) PLOWSHARE STIMULATION OF GEOTHERMAL SYSTEMS. Stewart, D.H.; Burnham, J. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). [nd]. 9p. (CONF-720817--2). Dep. NTIS $3.00.
GEOTHERMAL ENERGY;PRODUCTION;NUCLEAR EXPLOSIONS;GEOTHERMAL SYSTEMS;EXPLOSIVE STIMULATION;UNDERGROUND EXPLOSIONS;PLOWSHARE PROJECT

4220 (CONF-700101--(Vol.2), pp 1384-5) USE OF NUCLEAR EXPLOSIVES FOR STIMULATION OF GEOTHERMAL HEAT. Nordyke, M.D. 1970.
From Meeting on engineering with nuclear explosives; Las Vegas, Nevada, USA (14 Jan 1970).
Proceedings of Symposium on Engineering with Nuclear Explosives, Las Vegas, Nevada, 14-16 Jan 1970.
NUCLEAR EXPLOSIONS;HOT-DRY-ROCK SYSTEMS; EXPLOSIVE STIMULATION;INJECTION WELLS; SUPERHEATED STEAM;POWER GENERATION

4221 (CONF-740209--, pp 415-429) ARTIFICIAL GEOTHERMAL RESERVOIRS IN HOT VOLCANIC ROCK. Aamodt, R.L. (Univ. of California, Los Alamos, NM). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
HOT-DRY-ROCK SYSTEMS;HYDRAULIC FRACTURING; HEAT EXTRACTION;STRESSES;CRACKS

4222 (CONF-740209--, pp 587-594) PROBLEMS WAITING SOLUTION TO UTILIZE VOLCANIC HEAT. Hayashida, T. (Nagasaki Univ.). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;GEOTHERMAL ENERGY;PLANNING; ENGINEERING;ECONOMICS;FRACTURES;DESIGN;ENERGY SOURCES;GEOTHERMAL POWER PLANTS

4223 (ERDA--37) STIMULATION OF GEOTHERMAL ENERGY RESOURCES. Kruger, P. (Energy Research and Development Administration, Washington, D.C. (USA). Div. of Geothermal Energy). 1975. 50p. Dep. NTIS $4.00.
GEOTHERMAL RESOURCES;HYDRAULIC FRACTURING; GEOTHERMAL ENERGY CONVERSION;EXPLOSIVE STIMULATION;THERMAL STRESSES;GEOTHERMAL SYSTEMS; HYDROTHERMAL SYSTEMS;HOT-DRY-ROCK SYSTEMS;HEAT EXTRACTION;HEAT EXCHANGERS;CRACKS;PIPES;FLUID FLOW

4224 (LA--5947-MS) GEOTHERMAL RESERVOIR MODELS: CRACK PLANE MODEL. McFarland, R.D. (Los Alamos Scientific Lab., N.Mex. (USA)). Apr 1975. Contract W-7405-eng-36. 16p. Dep. NTIS $4.00.
FLUID FLOW;HEAT TRANSFER;HOT-DRY-ROCK SYSTEMS;HYDRAULIC FRACTURING;MATHEMATICAL MODELS;CRACKS;COMPUTER CODES;T CODES

4225 (LA--6080-PR) SOLID EARTH GEOSCIENCES RESEARCH ACTIVITIES AT LASL. PROGRESS REPORT, JANUARY 1--JUNE 30, 1975. Heiken, G. (comp.). (Los Alamos Scientific Lab., N.Mex. (USA)). Nov 1975. Contract W-7405-ENG-36. 15p. Dep. NTIS $4.50.
HOT-DRY-ROCK SYSTEMS;DRILL CORES;SEISMOLOGY;

HYDRAULIC FRACTURING;ROCK MECHANICS;HEAT FLOW; VOLCANISM;GEOPHYSICS;GEOCHEMISTRY;SUBTERRENE PENETRATORS;REMOTE SENSING;JEMEZ MOUNTAINS;NEW MEXICO;WASHINGTON;CALIFORNIA;OIL SHALES;ROCK-FLUID INTERACTIONS;RESEARCH PROGRAMS

4226 (LA--6115-MS) CRITICAL BOREHOLE PRESSURE FOR A VERTICAL HYDRAULIC CRACK IN THE PRESENCE OF TWO PRINCIPAL TOTAL STRESSES. Hsu, Y.C. (Los Alamos Scientific Lab., N.Mex. (USA)). Sep 1975. Contract W-7405-ENG-36. 5p. Dep. NTIS $4.00.
HYDRAULIC FRACTURING;BOREHOLES;CRACKS; STRESSES;PRESSURE MEASUREMENT;MECHANICS

4227 (LA--6148-MS) APPLICATION OF STRESS CORROSION TO GEOTHERMAL RESERVOIRS. Demarest, H.H. Jr. (Los Alamos Scientific Lab., N.Mex. (USA)). Oct 1975. Contract W-7405-eng-36. 4p. Dep. NTIS $4.50.
STRESS CORROSION;ROCKS;HIGH PRESSURE; GEOTHERMAL WELLS;CRACKS;CERAMICS;GLASS; EQUATIONS;GRANITES;HOT-DRY-ROCK SYSTEMS; HYDRAULIC FRACTURING

4228 (LA--6169-MS) DETERMINATION OF PERMEABILITY OF GRANITIC ROCKS IN GT-2 FROM HYDRAULIC FRACTURING DATA. Delisle, G. (Los Alamos Scientific Lab., N.Mex. (USA)). Nov 1975. Contract W-7405-ENG-36. 5p. Dep. NTIS $4.50.
HOT-DRY-ROCK SYSTEMS;HEAT EXTRACTION; HYDRAULIC FRACTURING;PERMEABILITY;GRANITES; MATHEMATICAL MODELS

4229 (LA--6170-MS) FORCED OSCILLATIONS OF THE LOS ALAMOS SCIENTIFIC LABORATORY'S DRY HOT ROCK GEOTHERMAL RESERVOIR. Hsu, Y.C. (Los Alamos Scientific Lab., N.Mex. (USA)). Nov 1975. Contract W-7405-ENG-36. 6p. Dep. NTIS $4.50.
HOT-DRY-ROCK SYSTEMS;EQUATIONS OF MOTION; ROCKS;PIPES;FLUID FLOW;OSCILLATIONS;SEISMIC WAVES;ELASTICITY;FRACTURES;WATER

4230 (LA--6175-MS) ANGLE OF CRACK PROPAGATION FOR A VERTICAL HYDRAULIC FRACTURE. Sarda, J.P.; Hsu, Y.C. (Los Alamos Scientific Lab., N.Mex. (USA)). Dec 1975. Contract W-7405-eng-36. 6p. Dep. NTIS $4.50.
HYDRAULIC FRACTURING;ORIENTATION;FRACTURES; STRESSES;HOT-DRY-ROCK SYSTEMS;STRAINS

4231 (LA-DC--72-669) INDUCTION AND GROWTH OF FRACTURES IN HOT ROCK-ARTIFICIAL GEOTHERMAL RESERVOIRS. Aamodt, R.L.; Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). 1972. 31p. (CONF-720607--23). NTIS $3.00; $0.95 (mf).
HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS; FRACTURES

4232 (LA-DC--72-1157) NEW METHOD FOR EXTRACTING ENERGY FROM ''DRY'' GEOTHERMAL RESERVOIRS. Brown, D.W.; Smith, M.C.; Potter, R.M. (Los Alamos Scientific Lab., N.Mex. (USA)). 20 Sep 1972. 23p. (CONF-720925--7). NTIS $3.00; $0.95 (mf).
HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS

4233 (LA-UR--73-1695) ARTIFICIAL GEOTHERMAL RESERVOIRS IN HOT VOLCANIC ROCK. Aamodt, R.L. (Los Alamos Scientific Lab., N.Mex. (USA)). 1974. 13p. (CONF-740209--1). Dep. NTIS $3.00.
Jemez Caldera, New Mexico. ENERGY SOURCES; GEOTHERMAL ENERGY;VOLCANOES;TRANSIENTS; VARIATIONS;VOLCANIC ROCKS;HYDRAULIC FRACTURING; WATER RESERVOIRS;NEW MEXICO;GEOTHERMAL RESOURCES;HAWAII;HEAT EXCHANGERS;HEATING; BOREHOLES

4234 (LA-UR--74-503) INSTRUMENTATION FOR GRANITE TEST NO. 1. Dennis, B.R.; Potter, R.M. (Los Alamos Scientific Lab., N.Mex. (USA)). 1974. 23p. (CONF-740504--2). Dep. NTIS $4.25.
Jemez Caldera, New Mexico. HYDRAULIC FRACTURING;GEOTHERMAL SYSTEMS;GRANITES;NEW MEXICO;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;ENERGY SOURCES;VOLCANOES;MEASURING INSTRUMENTS;DESIGN;ROCKS;PRESSURE MEASUREMENT

4235 (LA-UR--74-821) GEOTHERMAL ENERGY: A NEW APPLICATION OF ROCK MECHANICS. Roegiers, J.C.; Brown, D.W. (Los Alamos Scientific Lab., N.Mex. (USA)). 1974. 15p. (CONF-740909--2). Dep. NTIS $4.00.
HOT-DRY-ROCK SYSTEMS;HYDRAULIC FRACTURING; GEOTHERMAL ENERGY;GRANITES;GEOCHEMISTRY; MINERALS

4236 (LA-UR--74-1836) PROGRESS OF THE LASL DRY HOT ROCK GEOTHERMAL ENERGY PROJECT. Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). [nd]. Contract W-7405-eng-36. 7p. (CONF-740959--1). Dep. NTIS $4.00.
NEW MEXICO;GEOTHERMAL RESOURCES;HOT-DRY-ROCK SYSTEMS;ROCK DRILLING;HYDRAULIC FRACTURING; GRANITES;PERMEABILITY;GEOTHERMAL ENERGY; GEOTHERMAL GRADIENTS;HEAT FLOW;FLUID FLOW

4237 (LA-UR--75-953) MAN-MADE GEOTHERMAL RESERVOIRS. Smith, M.C.; Aamodt, R.L.; Potter, R.M.; Brown, D.W. (Los Alamos Scientific Lab., N.Mex. (USA)). 1975. Contract W-7405-eng-36. 28p. (CONF-750525--6). Dep. NTIS $4.50.
HOT-DRY-ROCK SYSTEMS;HYDRAULIC FRACTURING; SITE SELECTION;NEW MEXICO;HEAT;GEOTHERMAL ENERGY;LASL;BOREHOLES;GEOLOGY;ROCK DRILLING; PERMEABILITY;GEOTHERMAL GRADIENTS;HEAT FLOW

4238 (PB--231011) PLOWSHARE TECHNOLOGY ASSESSMENT, PROSPECTIVES FOR NUCLEAR-STIMULATED GEOTHERMAL POWER IN THE WESTERN U.S. Sandquist, G.M. (Western Interstate Nuclear Board, Lakewood, Colo. (USA)). Feb 1973. 115p. (NSF/RA/G--73-014). NTIS $4.50.
GEOTHERMAL ENERGY;NUCLEAR EXPLOSIONS; RECOVERY;USA;USES;PLOWSHARE PROJECT;EXPLOSIVE STIMULATION;GEOTHERMAL SYSTEMS

4239 (PB--238054) STIMULATION OF GEOTHERMAL AQUIFERS. PROGRESS REPORT NO. 1. Kruger, P.; Ramey, H.J., Jr. (Stanford Univ., Calif. (USA)). Mar 1973. 91p. (NSF/RA/N--73-105). NTIS $4.75.
GEOTHERMAL SYSTEMS;EXPLOSIVE STIMULATION; AQUIFERS;MATHEMATICAL MODELS;NATURAL STEAM;TWO-PHASE FLOW;BOILING;CHEMICAL PROPERTIES; GEOTHERMAL FLUIDS;FLASHING

4240 (PB--238054) STIMULATION OF GEOTHERMAL AQUIFERS. PROGRESS REPORT NO. 1. Kruger, P.; Ramey, H.J. Jr. (Stanford Univ., Calif. (USA)). Mar 1973. 97p. (NSF/RA/N--73-105). NTIS $4.75.
GEOTHERMAL SYSTEMS;AQUIFERS;EXPLOSIVE STIMULATION;MATHEMATICAL MODELS;THERMODYNAMICS;

PHYSICAL PROPERTIES;NUCLEAR EXPLOSIONS;TWO-PHASE FLOW;HYDRODYNAMICS;BOILING;STRUCTURAL MODELS

4241 (PB--239718) STIMULATION AND RESERVOIR ENGINEERING OF GEOTHERMAL RESOURCES. PROGRESS REPORT NO. 3. Kruger, P.; Ramey, H.J. Jr. (Stanford Univ., Calif. (USA)). Jun 1974. 149p. (SGP-TR--1). NTIS $5.75.
CHIMNEYS;UNDERGROUND EXPLOSIONS;NUCLEAR EXPLOSIONS;PRESSURE VESSELS;DESIGN;CONSTRUCTION; AQUIFERS;RADON;FISSION PRODUCTS;MATHEMATICAL MODELS;GEOTHERMAL EXPLORATION;EXPLOSIVE STIMULATION;CONTAMINATION;LABELLING;GEOTHERMAL SYSTEMS;TWO-PHASE FLOW;HYDROTHERMAL SYSTEMS; FUNCTIONAL MODELS

4242 (PNE--1550) FEASIBILITY STUDY OF A PLOWSHARE GEOTHERMAL POWER PLANT. Chapin, C.E.; Sherwood, D.W.; Comtois, W.H.; Walton, P.T.; Stewart, D.H.; Burnham, J.B. (Battelle Pacific Northwest Labs., Richland, Wash. (USA); California Univ., Livermore (USA). Lawrence Livermore Lab.). Apr 1971. 175p. NTIS $3.00; $0.95 (mf).
HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIVES;POWER GENERATION;PLOWSHARE PROJECT;GEOTHERMAL POWER PLANTS;TURBOGENERATORS

4243 (PNE--1550) FEASIBILITY STUDY OF A PLOWSHARE GEOTHERMAL POWER PLANT. (American Oil Shale Corp., Salt Lake City, Utah; Battelle Pacific Northwest Labs., Richland, Wash. (USA); California Univ., Livermore (USA). Lawrence Livermore Lab.). Apr 1971. 177p. NTIS $3.00; $0.95 (mf).
PLOWSHARE PROJECT;EXPLOSIVE STIMULATION;HOT-DRY-ROCK SYSTEMS;FRACTURES;INJECTION WELLS; STEAM;STEAM TURBINES;POWER GENERATION; GEOTHERMAL POWER PLANTS;OPERATION;ECONOMICS; NUCLEAR EXPLOSIONS

4244 (UCRL--51303) EXPLOSIVE STIMULATION OF A GEOTHERMAL STEAM RESERVOIR. Sherwood, A.E. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Nov 1972. 14p. Dep. NTIS.
Mathematical model. GEOTHERMAL WELLS;NATURAL STEAM;PRODUCTION;CHEMICAL EXPLOSIONS; UNDERGROUND EXPLOSIONS;ECONOMICS;MATHEMATICAL MODELS;DRY-STEAM SYSTEMS;GEYSERS GEOTHERMAL FIELD;ROCKS;FRACTURES;GEOTHERMAL ENERGY; PRESSURE GRADIENTS;EXPLOSIVE STIMULATION; PERFORMANCE

4245 (UCRL--51944) EFFECT OF ELECTRICAL POTENTIAL ON SCALE FORMATION IN SALTON SEA BRINE. Schock, R.N.; Duba, A. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 5 Nov 1975. Contract W-7405-Eng-48. 19p. Dep. NTIS $4.00.
SALTON SEA GEOTHERMAL FIELD;GEOTHERMAL WELLS; BRINES;DEPOSITION;SCALING;ELECTRIC POTENTIAL; SILICON;IRON;COPPER;SILVER;ALUMINIUM;ELECTRODES; STAINLESS STEELS;CORROSIVE EFFECTS

4246 (UCRL--72769(Rev.1)) UNDERGROUND ENGINEERING APPLICATIONS, CONCEPTS, AND EXPERIENCE. Nordyke, M.D. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 15 Dec 1970. 61p. (CONF-710108--1). Dep. NTIS.
NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS; EXPLOSIVE STIMULATION;NATURAL GAS;NUCLEAR EXCAVATION;GASBUGGY EVENT;RULISON EVENT;WASTE STORAGE;RADIOACTIVE WASTES;GEOTHERMAL SYSTEMS

4247 (UCRL--77637) PREDICTING EXPLOSION-GENERATED PERMEABILITY AROUND GEOTHERMAL WELLS. McKee, C.R.; Hanson, M.E. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 8 Jan 1976. Contract W-7405-eng-48. 11p. (CONF-751224--1). Dep. NTIS $3.50.
PERMEABILITY;GEOLOGIC STRUCTURES;GEOTHERMAL WELLS;EXPLOSIVE STIMULATION;EQUATIONS;FRACTURES

4248 (USGS--289-1) POTENTIAL APPLICATIONS OF NUCLEAR EXPLOSIVES TO THE RECOVERY OF GEOTHERMAL ENERGY. PROGRESS REPORT FOR FISCAL YEAR 1965. Waldron, H.H. (Geological Survey, Denver, Colo. (USA)). Jun 1969. Contract AT(04-3)-289. 18p. NTIS $3.00; $0.95 (mf).
JSA;GEOTHERMAL RESOURCES;EXPLOSIVE STIMULATION;NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS;PLOWSHARE PROJECT;GEOTHERMAL EXPLORATION;HOT SPRINGS;GEOTHERMAL SYSTEMS;HEAT FLOW

4249 (USGS--289-2) POTENTIAL APPLICATIONS OF NUCLEAR EXPLOSIVES TO THE RECOVERY OF GEOTHERMAL ENERGY. PROGRESS REPORT FOR FISCAL YEAR 1966. Waldron, H.H. (Geological Survey, Denver, Colo. (USA)). Jun 1969. Contract AT(04-3)-289. 17p. NTIS $3.00; $0.95 (mf).
OREGON;NEVADA;CALIFORNIA;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;EXPLOSIVE STIMULATION;NUCLEAR EXPLOSIONS;GEOTHERMAL SYSTEMS

4250 THERMAL MODEL FOR GEOTHERMAL ENERGY EXTRACTION. Donaldson, A.B.; Schimmel, W.P., Jr. (Sandia Lab., Albuquerque, NM). Can. Congress of Applied Mechanics, 4th, proceedings, papers, Ec. Polytech., Montreal, Quebec. Montreal; Can. Congr. of Appl. Mech. From 4. Can. Congr. of Applied Mechanics; Ec. Polytech., Montreal, Quebec.
HOT-DRY-ROCK SYSTEMS;HEAT;INJECTION WELLS; RECOVERY;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY CONVERSION

4251 PROPOSAL FOR A NUCLEAR POWER PROGRAM. Kennedy, G.C. pp 305-6 of Engineering with nuclear explosives. Proceedings of 3rd Plowshare Symposium, April 1964. Oak Ridge, TN; US AEC, Div. Tech. Information (1964). From 3. Plowshare Symposium; (April 1964).
HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION; UNDERGROUND EXPLOSIONS;NUCLEAR EXPLOSIONS; GEOTHERMAL ENERGY;GEOTHERMAL SYSTEMS

4252 EVALUATION OF FRACTURE TREATMENTS WITH TEMPERATURE SURVEYS. Agnew, B.G. J. Pet. Technol.; 18: No. 7, 892-8(1966).
HYDRAULIC FRACTURING;BOREHOLES;INJECTION WELLS;HEAT TRANSFER;ROCKS;TEMPERATURE MEASUREMENT

4253 EVALUATION OF FRACTURE TREATMENTS WITH TEMPERATURE SURVEYS. Agnew, B.G. J. Pet. Technol.; 18: No. 7, 892-8(Jul 1966).
INJECTION WELLS;TEMPERATURE DISTRIBUTION; FRACTURES;MEASURING METHODS;DATA;HYDRAULIC FRACTURING;HEAT TRANSFER;BOREHOLES

4254 POTENTIAL APPLICATIONS OF NUCLEAR EXPLOSIVES TO THE RECOVERY OF GEOTHERMAL ENERGY. Waldron, H.H. Contract AT(04-3)-289. Geothermal energy-2, progress report, fiscal year, June 1969. United States of America (USA); Univ. NM Tech. Appl. Center, SDS, No. 43427 (1969). 17p.

GEOTHERMAL FIELDS;EXPLOSIVE STIMULATION;HOT SPRINGS;HEAT FLOW;DISTRIBUTION;USA;NUCLEAR EXPLOSIONS;GEOTHERMAL SYSTEMS

4255 ECONOMICS OF PLOWSHARE GEOTHERMAL POWER. Burnham, J.B.; Stewart, D.H. pp 1376-83 of Symposium on engineering with nuclear explosives - Amer. Nucl. Soc. and USAEC, Las Vegas, NV, 1970, proceedings. Springfield, VA; Clearinghouse Federal Sci. and Tech. Inf. (1970).
From American Nuclear Society and USAEC; Las Vegas, NV (1970).
PLOWSHARE PROJECT;NUCLEAR EXPLOSIONS; ECONOMICS;GEOTHERMAL RESOURCES;HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION;GEOTHERMAL ENERGY; USA;OREGON;NEVADA;IDAHO;MONTANA;UTAH;CALIFORNIA

4256 NUCLEAR EXPLOSIVES MAY FIND USE IN STIMULATING GEOTHERMAL ENERGY. Power (N.Y.); 114: 71(May 1970).
GEOTHERMAL SYSTEMS;EXPLOSIVE STIMULATION; PLOWSHARE PROJECT;NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS

4257 GEOTHERMAL POWER IS AIM OF NEW PLOWSHARE PROJECT. Ind. Res.; 12: 22-3(Jul 1970).
GEOTHERMAL SYSTEMS;NUCLEAR EXPLOSIONS; EXPLOSIVE STIMULATION;UNDERGROUND EXPLOSIONS; PLOWSHARE PROJECT;GEOTHERMAL ENERGY

4258 INFLUENCE OF WATER IN ROCKS ON EFFECTS OF UNDERGROUND NUCLEAR EXPLOSIONS. Butkovich, T.R. J. Geophys. Res.; 76: No. 8, 1993-2011(1971).
UNDERGROUND EXPLOSIONS;NUCLEAR EXPLOSIONS; ROCKS;WATER;SILICATES;AQUIFERS;ENVIRONMENTAL EFFECTS;ABUNDANCE

4259 OTHER UNDERGROUND APPLICATIONS OF PEACEFUL NUCLEAR EXPLOSIONS (IN PEACEFUL NUCLEAR EXPLOSIONS II). Nordyke, M.D. IAEA Panel Proc. Ser.; 223-32(1971). (French, Russian, and Spanish summaries).
GEOTHERMAL SYSTEMS;EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS; RADIOACTIVE WASTE DISPOSAL;MINING

4260 STATUS OF PLOWSHARE GEOTHERMAL POWER. Stewart, D.H. Trans. Am. Nucl. Soc.; 14: 689(Oct 1971).
EXPLOSIVE STIMULATION;GEOTHERMAL SYSTEMS; NUCLEAR EXPLOSIONS;PLOWSHARE PROJECT; UNDERGROUND EXPLOSIONS

4261 STIMULATION MODES OF GEOTHERMAL AQUIFERS. Ramey, H.J., Jr.; Kruger, P.; Raghavan, R. Paper presented at special session on geothermal energy stimulation, American Nuclear Society, Las Vegas, Nevada. Stanford, CA; Stanford Univ., Calif. (1972). 35p.
AQUIFERS;NUCLEAR EXPLOSIONS;THERMAL WATERS; HOT SPRINGS;GEOTHERMAL FLUIDS;BOILING;FLASHING; HYDROTHERMAL SYSTEMS;EXPLOSIVE STIMULATION

4262 RECOVERY OF GEOTHERMAL ENERGY BY MEANS OF UNDERGROUND NUCLEAR DETONATIONS. Dixon, R.P. (to US AEC). US Patent 3,640,336. 8 Feb 1972. Filed date 19 Jun 1970.
GEOTHERMAL ENERGY;GEOLOGIC STRATA;CAVITIES; STEAM;PRODUCTION;NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS;GEOTHERMAL FIELDS;WATER;HEATING; IGNEOUS ROCKS;EXPLOSIVE STIMULATION;HOT-DRY-ROCK SYSTEMS

4263 EXPLOSIVE STIMULATION OF GEOTHERMAL WELLS. Austin, C.F.; Leonard, G.W. (Naval Weapons Center, China Lake, Calif.). Trans. Am. Nucl. Soc.; 15: No. 1, 22(Jun 1972). (CONF-720607--).
From 10. annual American Nuclear Society conference; Las Vegas, Nevada, USA (18 Jun 1972).
GEOTHERMAL WELLS;EXPLOSIVE STIMULATION; CHEMICAL EXPLOSIONS;UNDERGROUND EXPLOSIONS; ROCKS;FRACTURES;HYDROTHERMAL ALTERATION; CHEMICAL EXPLOSIVES;PERFORMANCE

4264 STIMULATION OF GEOTHERMAL SYSTEMS. Gerber, C.R. (AEC, Washington, DC). Trans. Am. Nucl. Soc.; 15: No. 1, 19(Jun 1972).
GEOTHERMAL SYSTEMS;GEOTHERMAL FIELDS; GEOTHERMAL ENERGY;STEAM;FLOW RATE;EXPLOITATION; HOT-DRY-ROCK SYSTEMS;NUCLEAR EXPLOSIONS; ENVIRONMENT;CONTAMINATION;HYDRAULIC FRACTURING; EXPLOSIVE STIMULATION;CHEMICAL EXPLOSIONS

4265 STIMULATION MODES OF GEOTHERMAL AQUIFERS. Ramey, H.J., Jr.; Kruger, P.; Raghavan, R. (Stanford Univ., CA). Trans. Am. Nucl. Soc.; 15: No. 1, 20-1(Jun 1972).
GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;GEOLOGIC DEPOSITS;CAVITIES;NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS;STEAM;PRODUCTION;BRINES; FRACTURES;GEOTHERMAL POWER PLANTS;POWER GENERATION;ELECTRIC POWER;GEOTHERMAL WELLS; EXPLOSIVE STIMULATION;AQUIFERS

4266 INDUCTION AND GROWTH OF FRACTURES IN HOT ROCK. Aamodt, L.; Smith, M. (Los Alamos Scientific Lab., NM). Trans. Am. Nucl. Soc.; 15: No. 1, 21-2(Jun 1972).
Development of artificial geothermal reservoirs. GEOTHERMAL ENERGY;HOT-DRY-ROCK SYSTEMS;GEOLOGIC DEPOSITS;ROCKS;FRACTURES; GRANITES;FRACTURE PROPERTIES;HYDRAULIC FRACTURING

4267 PLOWSHARE GEOTHERMAL USE OF NUCLEAR EXPLOSIVE ARRAYS TO FRACTURE HOT ROCK. Burnham, J.; Stewart, D.H. (Battelle-Northwest, Richland, WA). Trans. Am. Nucl. Soc.; 15: No. 1, 19-20(Jun 1972).
GEOTHERMAL ENERGY;GEOTHERMAL FIELDS;CAVITIES; NUCLEAR EXCAVATION;NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS;GEOLOGIC DEPOSITS; FRACTURES;ECONOMICS;SAFETY;PLOWSHARE PROJECT; GEOTHERMAL POWER PLANTS;ELECTRIC POWER; EXPLOITATION;GEOTHERMAL WELLS;HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION

4268 PLOWSHARE STIMULATION OF GEOTHERMAL SYSTEMS. Stewart, D.H. (American Nuclear Soc.). Trans. Am. Nucl. Soc.; 15: No. 2, 21-2(Aug 1972).
GEOTHERMAL RESOURCES;NUCLEAR EXPLOSIONS; GEOTHERMAL SYSTEMS;EXPLOSIVE STIMULATION; PLOWSHARE PROJECT

4269 PROSPECTIVE NUCLEAR-STIMULATED GEOTHERMAL RESOURCES IN UTAH. Sandquist, G.M. (Univ. of Utah, Salt Lake City); Rogers, V.C.; Betts, J.F. Trans. Am. Nucl. Soc.; 15: No. 2, 622-3(Nov 1972).
UTAH;GEOTHERMAL RESOURCES;GEOTHERMAL SYSTEMS; NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS; ENVIRONMENT;CONTAMINATION;SEISMIC EFFECTS; SAFETY;RADIOACTIVITY;EXPLOSIVE STIMULATION

4270 THEORETICAL STUDY OF GEOTHERMAL ENERGY EXTRACTION. Harlow, F.H.; Pracht, W.E.

(Univ. California, Los Alamos, NM). J. Geophys. Res.; 77: No. 35, 7038-48(10 Dec 1972).
GEOTHERMAL ENERGY;HOT-DRY-ROCK SYSTEMS; FRACTURES;GEOTHERMAL ENERGY CONVERSION;THERMAL STRESSES;CRACKS;EQUATIONS;FLUID FLOW;HEAT TRANSFER

4271 STIMULATION OF GEOTHERMAL SYSTEMS. Ewing, A.H. (Atomic Energy Commission, Washington, DC). pp 217-222 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
GEOTHERMAL ENERGY;GEOTHERMAL SYSTEMS; HYDROTHERMAL SYSTEMS;HOT-DRY-ROCK SYSTEMS; HYDRAULIC FRACTURING;EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS;ECONOMICS;ELECTRIC POWER; EARTH CRUST;HIGH TEMPERATURE;STEAM;ENVIRONMENT; BOREHOLES;MANAGEMENT;GEOTHERMAL RESOURCES

4272 RECOVERY OF GEOTHERMAL ENERGY FROM HOT DRY ROCK WITH NUCLEAR EXPLOSIVES. Burnham, J.B.; Stewart, D.H. (Battelle-Northwest Research Labs, Richland, WA). pp 224-230 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
PLOWSHARE PROJECT;UNDERGROUND EXPLOSIONS; GEOTHERMAL ENERGY;ECONOMICS;NUCLEAR EXCAVATION; EFFICIENCY;POWER PLANTS;HIGH TEMPERATURE; BOREHOLES;NUCLEAR EXPLOSIONS;GEOTHERMAL SYSTEMS; HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION; GEOTHERMAL RESOURCES

4273 CHEMICAL EXPLOSIVE STIMULATION OF GEOTHERMAL WELLS. Austin, C.F.; Leonard, G.W. (Naval Weapons Center, China Lake, CA). pp 269-292 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
GEOTHERMAL ENERGY;CHEMICAL EXPLOSIONS; GEOTHERMAL SYSTEMS;EXPLOSIVE STIMULATION; GEOTHERMAL WELLS;PRODUCTION;ECONOMICS; ENVIRONMENT;BOREHOLES;STRESSES;PERMEABILITY; ROCKS;ECONOMICS;HIGH TEMPERATURE

4274 INDUCTION AND GROWTH OF FRACTURES IN HOT ROCK. Smith, M.; Potter, R.; Brown, D.; Aamodt, R.L. (Los Alamos Scientific Lab., NM). pp 251-268 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
FRACTURES;ROCKS;HEATING;ENERGY CONSUMPTION; ELECTRIC POWER;ENVIRONMENT;GEOTHERMAL ENERGY; HOT-DRY-ROCK SYSTEMS;HYDRAULIC FRACTURING; THERMAL STRESSES;GEOTHERMAL SYSTEMS;GEOTHERMAL RESOURCES;EARTH CRUST;EFFICIENCY;ECONOMICS; WATER;BOREHOLES

4275 EXPLOSIVE STIMULATION OF HYDROTHERMAL RESERVOIRS. Ramey, H.J. Jr.; Kruger, P.; Raghavan, R. (Stanford Univ., CA). pp 231-249 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
CHEMICAL EXPLOSIONS;NUCLEAR EXPLOSIONS; ENVIRONMENT;PRODUCTION;ROCKS;EXPLOSIVES; GEOTHERMAL ENERGY;HYDROTHERMAL SYSTEMS; EXPLOSIVE STIMULATION;GEOTHERMAL SYSTEMS; NATURAL STEAM;THERMAL WATERS;GEOTHERMAL RESOURCES;ELECTRIC POWER;BOREHOLES

4276 DEVICE FOR EXTRACTING GEOTHERMAL ENERGY. Alad'yev, I.T.; Voskresenskiy, K.D.; Gukov, G.P.; Saperov, Y.V.; Fardzinov, V.K. Otkrytiya, Izobreteniya, Promyshlennyve obravtsy, Tovarnyye znaki (Discoveries, Inventions, Industrial Models, Trademarks); No. 43, 213(1973).
HOT-DRY-ROCK SYSTEMS;GEOTHERMAL ENERGY; NUCLEAR EXPLOSIONS;EXPLOSIVE STIMULATION; UNDERGROUND EXPLOSIONS;DESIGN;EQUIPMENT; GEOTHERMAL RESOURCES

4277 NEW METHOD FOR EXTRACTING ENERGY FROM ''DRY'' GEOTHERMAL RESERVOIRS. Brown, D.W. Geol. Soc. Am., Bull.; 5: No. 7, 559-560(1973).
HYDRAULIC FRACTURING;HOT-DRY-ROCK SYSTEMS; RESEARCH PROGRAMS;GEOTHERMAL RESOURCES; EXTRACTION;GEOTHERMAL ENERGY;USES

4278 EXTRACTION OF HEAT FROM MULTIPLE-FRACTURED DRY HOT ROCK. Gringarten, A.C. (Bureau Recherches Geologique et Mineres, Orleans, France); Witherspoon, P.A. Geothermics; 2: No. 3-4, 119-122(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
HEAT EXTRACTION;HOT-DRY-ROCK SYSTEMS; FRACTURES;MATHEMATICAL MODELS

4279 GEOTHERMAL ENERGY: HOT DRY ROCK TECHNOLOGY. Smith, M.C. (Los Alamos Scientific Lab., NM). Trans. Am. Nucl. Soc.; 21: 142(Jun 1973).
From Transactions of the American Nuclear Society 1975 annual meeting; New Orleans, LA (8 Jun 1975).
Hydraulic fracturing in GT-1 at 760 m and 100°C and in GT-2 at 2040 m and 146°C. HOT-DRY-ROCK SYSTEMS;GEOTHERMAL RESOURCES;DRILLING;NEW MEXICO;GRANITES;HYDRAULIC FRACTURING;INJECTION WELLS;PERMEABILITY;HEAT TRANSFER;REVIEWS

4280 GEOTHERMAL-NUCLEAR ENERGY RELEASE AND RECOVERY SYSTEM. Van Huisen, A.T. US Patent 3,765,477. 16 Oct 1973. Filed date 21 Dec 1970. 10p.
GEOTHERMAL ENERGY;NUCLEAR EXPLOSIONS; CAVITIES;FRACTURES;DESIGN;FLUIDS;ROCKS;HEAT EXCHANGERS;TEMPERATURE GRADIENTS;HOT-DRY-ROCK SYSTEMS;EXPLOSIVE STIMULATION;GEOTHERMAL RESOURCES

4281 LASL GEOTHERMAL ENERGY PROGRAM: SUMMARY OF IN-SITU EXPERIMENTS IN THE FIRST EXPLORATORY HOLE. Brown, D.W.; Potter, R.M. (Univ. California, Los Alamos, NM; American Geophys. Union). EOS, Trans., Am. Geophys. Union; 54: No. 11, 1214(Nov 1973).
From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
NEW MEXICO;HOT-DRY-ROCK SYSTEMS;TEMPERATURE MEASUREMENT;GEOTHERMAL RESOURCES;BOREHOLES; HYDRAULIC FRACTURING

4282 MULTIPLE HYDRAULIC FRACTURING FOR THE RECOVERY OF GEOTHERMAL ENERGY. Raleigh, C.B.; Witherspoon, P.; Gringarten, A.; Ohnishi, Y. EOS, Trans., Am. Geophys. Union; 55: No. 4, 426(1974).
ROCKS;GEOTHERMAL SYSTEMS;HYDRAULIC FRACTURING;USA;ENGINEERING;STRESSES;HEAT TRANSFER;RECOVERY;PRODUCTION

4283 FUTURE FOR INDUCED GEOTHERMAL ENERGY. Schuiling, R.D. Geol. Mijnbouw; 53: No. 1, 25-26(1974).
PLANNING;NETHERLANDS;GEOTHERMAL ENERGY; ECONOMICS;GEOTHERMAL RESOURCES

4284 LOS ALAMOS SCIENTIFIC LABORATORY HOT DRY ROCK GEOTHERMAL ENERGY PROGRAM. Aamodt, R.L.

pp 106-107 of Energy Crisis Symposium, Papers. Santa Fe; N. M., Bur. Mines Miner. Resour. (1974).
LASL;HOT-DRY-ROCK SYSTEMS;RESEARCH PROGRAMS; GEOTHERMAL ENERGY;POWER GENERATION;BOREHOLES; DRILLING;MEASURING INSTRUMENTS

4285 INSTRUMENTATION FOR GRANITE TEST NO. 1. Dennis, B.R.; Potter, R.M. (Los Alamos Scientific Lab., NM). pp 419-429 of Advances in test measurement. Vol. 11. Washburn, B. (ed.). Pittsburgh; Instrument Society of America (1974).
From 20. international instrumentation symposium; Albuquerque, New Mexico (21 May 1974).
HOT-DRY-ROCK SYSTEMS;MEASURING INSTRUMENTS; HEAT EXTRACTION;HYDRAULIC FRACTURING;BOREHOLES; GRANITES;PRESSURE MEASUREMENT;TECTONICS; STRESSES;FRACTURES;TRANSDUCERS;PERMEABILITY; FLUIDS

4286 METHOD OF EXTRACTING HEAT FROM DRY GEOTHERMAL RESERVOIRS. Potter, R.M.; Robinson, E.S.; Smith, M.C. (to United States Atomic Energy Commission). US Patent 3,786,858. 22 Jan 1974. Filed date 27 Mar 1972. 6p.
GEOTHERMAL ENERGY;SEPARATION PROCESSES; FRACTURES;GEOTHERMAL RESOURCES;HEATING;HEAT TRANSFER;GEOTHERMAL WELLS;HOT-DRY-ROCK SYSTEMS; ENERGY SOURCES;ENERGY CONVERSION

4287 PEACEFUL APPLICATIONS OF UNDERGROUND NUCLEAR EXPLOSIONS. Thomas, K.T. (Bhabha Atomic Research Centre, Bombay (India). Engineering Services Group). Nucl. India; 12: No. 11, 4-8,2-3(Jul 1974).
CONTAINED EXPLOSIONS;COPPER ORES;GEOLOGY; GEOTHERMAL WELLS;INDIA;MINERALOGY;NATURAL GAS; NUCLEAR EXPLOSIONS;EXPLOSIVE STIMULATION; CRATERING EXPLOSIONS;USES;PETROLEUM;CAVITIES

4288 DIKES AS FLUID CONDUCTORS IN THE EXTRACTION OF GEOTHERMAL ENERGY. Bodvarsson, G. (Oregon State Univ., Corvallis). Geotherm. Energy Mag.; 2: No. 9, 42-50(Sep 1974).
Basaltic dikes. HOT-DRY-ROCK SYSTEMS; GEOLOGIC STRUCTURES;BASALT;ROCKS;BOREHOLES;HEAT; EXTRACTION;FLUID FLOW

4289 LOS ALAMOS GEOTHERMAL DRY HOT ROCK SOURCE DEMONSTRATION PROJECT. Smith, M.C. (Los Alamos Scientific Lab., NM). Geotherm. Energy Mag.; 2: No. 10, 8-14(Oct 1974).
HOT-DRY-ROCK SYSTEMS;LASL;HYDRAULIC FRACTURING;JEMEZ MOUNTAINS;BOREHOLES;WATER; INJECTION;FLUID FLOW;GRANITES

4290 CURRENT STATUS OF THE LOS ALAMOS DRY HOT ROCK GEOTHERMAL ENERGY EXPERIMENT. Laughlin, A.W.; Pettitt, R.A.; West, F.G. (Los Alamos Scientific Lab., NM). pp 1162-1163 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
HOT-DRY-ROCK SYSTEMS;HEAT EXTRACTION; HYDRAULIC FRACTURING;REVIEWS;ROCK DRILLING;LASL; GEOTHERMAL ENERGY;TEMPERATURE MEASUREMENT

4291 THEORY OF HEAT EXTRACTION FROM FRACTURED HOT DRY ROCK. Gringarten, A.C. (Bur. Recherches Geol. et Min., Serv. Geol. Natl., Orleans Cedex, France); Witherspoon, P.A. (Dept. Civ. Eng., Univ. Calif. Berkeley); Ohnishi, Y. (Dept. Civ. Eng., Kyoto Univ., Kyoto, Japan). J. Geophys. Res.; 80: No. 8, 1120-4(10 Mar 1975).
HOT-DRY-ROCK SYSTEMS;HEAT EXTRACTION; FRACTURES;MATHEMATICAL MODELS;POWER POTENTIAL; ELECTRIC POWER

Direct Energy Utilization

Refer also to citation(s) 138, 151, 223, 327, 328, 413, 503, 512, 594, 614, 626, 641, 648, 649, 658, 670, 673, 724, 770, 834, 838, 1309, 1417, 1428, 1514, 1635, 1642, 1660, 2046, 3689, 3712, 3753, 3782, 3799, 3832, 3965, 3966, 4033, 4137

4292 (ANCR--1139) FY 1974 PROGRAM PLAN FOR GEOTHERMAL PROJECT. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). 5 Feb 1974. Contract AT(10-1)-1375. 76p. Dep. NTIS $5.45.
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;ECONOMIC POLICY;IDAHO;SITE SELECTION;GEOLOGY;ELECTRIC POWER;DESIGN;GEOTHERMAL RESOURCES

4293 (ANCR--1211) GEOTHERMAL SPACE HEATING PROJECT INVOLVING IDAHO STATE OWNED BUILDINGS IN BOISE, IDAHO. Kunze, J.F.; Richardson, A.S.; Nichols, C.R.; Mink, L.L. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Apr 1975. Contract AT(10-1)-1375. 30p. Dep. NTIS $4.00.
IDAHO;SPACE HEATING;GEOTHERMAL ENERGY;OFFICE BUILDINGS;DESIGN;GEOTHERMAL RESOURCES;THERMAL WATERS;COST;PLANNING;FEASIBILITY STUDIES

4294 (ANCR--1214) NATIONAL PROGRAM DEFINITION STUDY FOR THE NON-ELECTRICAL UTILIZATION OF GEOTHERMAL ENERGY. Kunze, J.F.; Richardson, A.S. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Jun 1975. Contract AT(10-1)-1375. 106p. Dep. NTIS $5.45.
RESEARCH PROGRAMS;PLANNING;GEOTHERMAL ENERGY; USES;ENERGY DEMAND;SPACE HEATING;REFRIGERATION; PROCESSING;AGRICULTURE;ECONOMICS;MARKET; FORECASTING;DISTRICT HEATING;US ERDA;HEATING

4295 (ANCR--1221) USE OF GEOTHERMAL WATER FOR AGRICULTURE. Bishop, A.A. (Utah State Univ., Logan (USA)). Jun 1975. Contract AT(10-1)-1375. 26p. Dep. NTIS $4.00.
GEOTHERMAL RESOURCES;AGRICULTURE;THERMAL WATERS;IRRIGATION;CROPS;ANIMALS;SPACE HEATING; COOLING;USES;GEOTHERMAL ENERGY

4296 (ANCR--1241) GEOTHERMAL SPACE HEATING OF A GEOTHERMAL DRILLING RIG. Keller, J.G.; Miller, L.G.; Mines, G.L.; Richardson, A.S. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Jun 1975. Contract E(10-1)-1375. 24p. Dep. NTIS $4.00.
DRILLING RIGS;GEOTHERMAL SPACE HEATING;IDAHO; GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION

4297 (ANCR--1256) FEASIBILITY REVIEW FOR GEOTHERMAL CONVERSION OF EXISTING H AND V SYSTEMS ON THE BOISE GEOTHERMAL SPACE HEATING PROJECT. Torgerson, L.D.; Richardson, A.S. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Sep 1975. Contract E(10-1)-1375. 66p. Dep. NTIS $5.45.
BUILDINGS;IDAHO;GEOTHERMAL SPACE HEATING; HEAT EXCHANGERS

4298 (CONF-750525--15) NON-ELECTRIC UTILIZATION PROJECT: BOISE, IDAHO. Kunze, J.F.; Richardson, A.S.; Hollenbaugh, K.M.; Nichols, C.R.; Mink, L.L. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). 1975. 17p. Dep. NTIS $4.50.
From 2. United Nations symposium on the development and uses of geothermal resources; San Francisco, California, USA (20 May 1975).
HOT-WATER SYSTEMS;GEOTHERMAL SPACE HEATING; FEASIBILITY STUDIES;DESIGN;BUILDINGS;MEDIUM TEMPERATURE;GEOTHERMAL WELLS;FLOW RATE;POWER POTENTIAL;HEAT;WASTE DISPOSAL;ECONOMICS;COST; IDAHO

4299 (CONF-750612--, pp 233-260) GEOTHERMAL RESOURCE UTILIZATION: PAPER AND CANE SUGAR INDUSTRIES. Hornburg, C.D. (DSS Engineers, Inc., Ft. Lauderdale, FL). 1975.
From 1. geopressured geothermal energy conference; Austin, Texas, USA (2 Jun 1975).
First geopressured geothermal energy conference.
GEOTHERMAL RESOURCES;GEOPRESSURED SYSTEMS; GULF OF MEXICO;INDUSTRY;INDUSTRIAL PLANTS; SHORES;PAPER;SUGAR CANE;INDUSTRIAL PLANTS; REFINING;COST;ENERGY SOURCES;USES;GEOTHERMAL ENERGY

4300 (LA-UR--73-499) ANOTHER RIO GRANDE FOR NEW MEXICO. Reinig, L.P.; Brasier, R.I.; Donham, B.J.; Gregory, W.S. Apr 1973. Contract W-7405-eng-36. 13p. (CONF-730438--1). Dep. NTIS $3.00.
NEW MEXICO;WATER;ELECTRIC POWER;SALINITY; BRINES;UNDERGROUND;ECONOMICS;ENVIRONMENT;GROUND WATER;WATER RESOURCES;RIVERS;DESALINATION; GEOTHERMAL ENERGY;NUCLEAR POWER

4301 (LA-UR--73-570) SOME INTERFACES IN RESOURCE UTILIZATION. Reinig, L.P. [nd]. Contract W-7405-eng-36. 16p. (CONF-730440--1). Dep. NTIS $3.00.
Geothermal energy, energy transmission, and desalination of underground water in New Mexico. ECONOMICS;GEOTHERMAL ENERGY;NUCLEAR POWER;DESALINATION;ENERGY SOURCES;HUMAN POPULATIONS;FOSSIL FUELS;ENVIRONMENT;BRINES; LEGAL ASPECTS;ELECTRIC POWER;NEW MEXICO

4302 (ORNL-TM--3021) PRELIMINARY INVESTIGATION. DESALTING OF GEOTHERMAL BRINES IN THE IMPERIAL VALLEY OF CALIFORNIA. Spiewak, I.; Hise, E.C.; Reed, S.A.; Thompson, S.A. (Oak Ridge National Lab., Tenn. (USA)). 4 Mar 1970. Contract w-7405-eng-26. 46p. Dep. NTIS $4.50.
GEOTHERMAL ENERGY;BRINES;EVAPORATION;WASTE HEAT;SEAWATER;DESALINATION;CORROSION;IMPURITIES; MOCKUP;COOLING TOWERS;COST;CALIFORNIA;PLANNING; IMPERIAL VALLEY;GEOTHERMAL FIELDS;THERMAL WATERS;GEOTHERMAL POWER PLANTS;GEOTHERMAL RESOURCES

4303 (PB--209942) DESALTING. Koelzer, V.A. (National Water Commission, Arlington, VA. Engineering and Environmental Division). May 1972. 134p. NTIS $5.45; $0.95 (mf).
GEOTHERMAL POWER PLANTS;DESALINATION;BRINES; DISTILLATION;CRYSTALLIZATION;FORECASTING;WATER RESOURCES;ECONOMICS;USES

4304 (PB--218830, pp 50) GEOTHERMAL ENERGY FOR GREENHOUSE HEATING. Head, J. 1970.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
GEOTHERMAL ENERGY;USES;AGRICULTURE; GREENHOUSES;SOILS;HEATING;OREGON;SPACE HEATING; GEOTHERMAL RESOURCES

4305 (PB--218830, pp 76) STEAM CLEANED WATER. Papin, W.J. 1972.
Exploration and exploitation of geothermal resources in arid and semiarid lands.
ICELAND;GEOTHERMAL RESOURCES;THERMAL WATERS; USES;HEATING;AGRICULTURE;DESALINATION;MINERALS; PRODUCTION;NATURAL STEAM;POWER GENERATION

4306 (PB--233185) VTE EVAPORATORS FOR GEOTHERMAL BRINES. Standiford, F.C. (Badger (W.L.) Associates, Inc., Ann Arbor, Mich. (USA)). Jun 1972. Contract DI-14-30-2955. 191p. NTIS $12.75.
Verticle tube evaporation. EVAPORATORS; DESIGN;BRINES;THERMAL WATERS;DESALINATION;HEAT TRANSFER;COST;EQUIPMENT

4307 (RLO--2227-T19-1) SYSTEMS STUDY FOR THE USE OF GEOTHERMAL ENERGIES IN THE PACIFIC NORTHWEST. FINAL REPORT, JUNE 1, 1974--NOVEMBER 30, 1974. Bodvarsson, G.; Boersma, L.; Couch, R.; Davis, L.; Reistad, G. (Oregon State Univ., Corvallis (USA)). [nd]. Contract AT(45-1)-2227. 65p. Dep. NTIS $6.25.
GEOTHERMAL ENERGY;OREGON;USA;THERMAL WATERS; HEATING;SPACE HEATING;PAPER;FOOD;AGRICULTURE; PROCESSING;GEOTHERMAL RESOURCES;USES

4308 (UCRL--51366) TOTAL FLOW CONCEPT FOR RECOVERY OF ENERGY FROM GEOTHERMAL HOT BRINE DEPOSITS. Austin, A.L.; Higgins, G.H.; Howard, J.H. 3 Apr 1973. Contract W-7405-eng-48. 41p. Dep. NTIS $3.00.
GEOTHERMAL ENERGY;BRINES;GEOLOGIC DEPOSITS; ECONOMICS;ENERGY SOURCES;GEOTHERMAL WELLS

4309 (UCRL--51747) ANALYSIS OF POTENTIAL NONELECTRICAL APPLICATIONS OF GEOTHERMAL ENERGY AND THEIR PLACE IN THE NATIONAL ECONOMY. Reistad, G.M. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 14 Feb 1975. Contract W-7405-eng-48. 30p. Dep. NTIS $4.00.
USA;GEOTHERMAL ENERGY;USES;SPACE HEATING; HEAT;PROCESSING;INDUSTRY;FOOD;REFRIGERATION; COST;COOLING;WATER;AIR CONDITIONING;ENERGY CONSUMPTION;STEAM;GEOTHERMAL RESOURCES

4310 (UCRL--52000-75-11) ENERGY AND TECHNOLOGY REVIEW. Carr, R.B. (California Univ., Livermore (USA). Lawrence Livermore Lab.). Nov 1975. 26p. Dep. NTIS $4.00.
LEADING ABSTRACT;LASERS;PLASMA;ROCK DRILLING; GEOTHERMAL ENERGY;RESEARCH PROGRAMS;RESEARCH PROGRAMS;USES

4311 (UCRL--76408) PRINCIPAL CONCLUSIONS OF THE COMMITTEE ON THE CHALLENGES OF MODERN SOCIETY NONELECTRICAL APPLICATIONS PROJECT. Howard, J.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). May 1975. 45p. (CONF-750635--1). Dep. NTIS $4.25.
GEOTHERMAL ENERGY;DISTRICT HEATING; AGRICULTURE;SPACE HEATING;GEOTHERMAL RESOURCES; WELL DRILLING;HOT-WATER SYSTEMS;BY-PRODUCTS; ECONOMICS;LEGAL ASPECTS;WASTE DISPOSAL;USES

4312 BOISE UNIQUE HOT WATER SYSTEM. Western City; 7: No. 10, 23-4(1931).

170°F thermal water. IDAHO;THERMAL WATERS; GEOTHERMAL WELLS;PUMPING;HEATING;USES;WATER RESOURCES;CHEMICAL ANALYSIS

4313 HEATING WITH HOT WATER WELLS. Van Meter, C. Driller; 14: No. 3, 4-7(1940). Klamath Falls. OREGON;THERMAL WATERS; GEOTHERMAL RESOURCES;SPACE HEATING;HEAT EXCHANGERS;FLUID FLOW;OPERATION;GEOTHERMAL ENERGY;PIPELINES;GEOTHERMAL WELLS

4314 STUDIES AND RESEARCH IN PROGRESS IN CAMPI AND FLEGREI ISLAND CONDUCTED TOWARDS THE USE OF SUBSOIL ENERGY. Penta, F. Boll. Soc. Nat. Napoli; No. 51, 197-206(1940). ITALY;HOT SPRINGS;GEOTHERMAL ENERGY;USES; FUMAROLES;RESEARCH PROGRAMS

4315 ICELAND TAPESTRY. Clark, D. Natl. Geog. Mag.; 100: No. 5, 599-630(1951). ICELAND;GEOTHERMAL RESOURCES;EXPLOITATION; SPACE HEATING;HOUSES;GREENHOUSES;HOT SPRINGS; GEYSERS;VOLCANOES;HOT-WATER SYSTEMS;THERMAL WATERS;GEOTHERMAL ENERGY;HYDROTHERMAL SYSTEMS

4316 NATURAL HOT SPRINGS HEAT ICELAND. Whatley, W.J. Heat., Piping Air Cond.; 29: No. 4, 99-101(Apr 1957). ICELAND;SPACE HEATING;BUILDINGS;HOT SPRINGS; GEOTHERMAL WELLS;HOT-WATER SYSTEMS;PIPELINES; GEOTHERMAL ENERGY;DISTRICT HEATING

4317 GEOTHERMAL STEAM IN NEW ZEALAND. Australasian Engr.; 49-51(7 Aug 1957). NEW ZEALAND;GEOTHERMAL WELLS;NATURAL STEAM; USES;HEATING;DRYING;WOOD;GEOTHERMAL ENERGY

4318 HIGH TEMPERATURE WATER SYSTEMS. Lieberg, O.S. New York; Academic Press Inc. (1958). 349p. DESIGN;PIPES;VALVES;PUMPS;BOILERS; THERMODYNAMIC PROPERTIES;HEAT EXCHANGERS; EXPANSION;CONTROL;THERMAL WATERS;HEATING;HEAT

4319 AVAILABILITY OF GEOTHERMAL ENERGY FOR THE DEMINERALIZATION OF SALINE WATER. Bell, J.C.; Crooks, R.C.; Holser, W.T.; Sachsel, G.F.; Williams, J.R.; Rilbert, R.B., Jr.; Stone, J.J., Jr. Research and Development Progress report No. 27. Washington, DC; United States of America (USA); US Dept. Interior (1959). 56p. GEOTHERMAL ENERGY;USES;BRINES;DESALINATION; SEAWATER;SALTS;SALINITY;DEMINERALIZATION; AVAILABILITY;GEOTHERMAL RESOURCES

4320 REYKJAVIK MUNICIPAL DISTRICT HEATING SERVICE AND ITS EXPERIENCE IN UTILIZING GEOTHERMAL ENERGY FOR DOMESTIC HEATING. Sigurdsson, H. pp 486-95 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). From UN Conference on New Sources of Energy; Rome, Italy (1961). ICELAND;GEOTHERMAL ENERGY;HEATING;BUILDINGS; FLOW RATE;PUMPS;DISTRICT HEATING

4321 GREENHOUSES WITH GEOTHERMAL HEATING IN ICELAND. Lindal, B. pp 476-8 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). From UN Conference on New Sources of Energy; Rome, Italy (1961). ICELAND;GEOTHERMAL ENERGY;SPACE HEATING; GREENHOUSES;HEATING;GEOTHERMAL FLUIDS;CROPS; AGRICULTURE

4322 PROBLEM OF THE UTILIZATION OF THE THERMAL WATERS OF THE OIL AND GAS FIELDS OF THE CAUCASUS. Sukharev, G.M. Vyssh. Ucheb. Zaved. Izv., Neft' Gaz; No. 4, 17-18(1964). USSR;GEOTHERMAL ENERGY;HOUSES;GREENHOUSES; SPACE HEATING;THERMAL WATERS;NATURAL STEAM; GEOTHERMAL RESOURCES;BALNEOLOGY;USES

4323 PRODUCTION AND DISTRIBUTION OF NATURAL HEAT FOR DOMESTIC AND INDUSTRIAL HEATING IN ICELAND. pp 449-55 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). ICELAND;GEOTHERMAL ENERGY;SPACE HEATING; GREENHOUSES;BUILDINGS;ECONOMICS;GEOTHERMAL WELLS;WELL DRILLING;GEOTHERMAL RESOURCES

4324 UTILIZATION OF GEOTHERMAL ENERGY FOR HEATING PURPOSES AND COMBINED SCHEMES INVOLVING POWER GENERATION, HEATING, AND/OR BY-PRODUCTS. Bodvarsson, G. pp 429-36 of United Nations Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Volume 3. New York; United Nations (1964). GEOTHERMAL ENERGY;SPACE HEATING;ELECTRIC POWER;USES;MEETINGS;POWER GENERATION;BY-PRODUCTS;RECOVERY;GEOTHERMAL RESOURCES

4325 HYDROGEOTHERMAL CONDITIONS OF A VOLCANIC REGION OF KAMACHATKA (CITY OF PETROPAVLOUSK). Polyak, B.G.; Vakin, Ye.A.; Ouchinnikova, Ye.N. Akad. Nauk SSSR, Sibirskoye Otdeleniye, Inst. Valkanol.; 95p.(1965). USSR;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;THERMAL WATERS;BUILDINGS;SPACE HEATING;HYDROLOGY;GEOLOGY;VOLCANIC REGIONS; GEOTHERMAL ENERGY;PIPELINES

4326 SENATE RESOLUTION NO. 138, RELATING TO THE TRANSPORTATION OF WATER OVER THE TEHACHAPI MOUNTAINS. State of California, Senate Journal; 2312-13(14 May 1965). Potential of geothermal power for use in meeting power requirements of California aqueduct system. GEOTHERMAL ENERGY;POWER GENERATION;WATER;TRANSPORT;USES

4327 SOLUTION TO CERTAIN PROBLEMS CONNECTED WITH THE REPLENISHMENT OF SUBSURFACE THERMAL WATER RESOURCES IN THE TEREK-SUNZHA OIL AND GAS REGION. Sukharev, G.M.; Vlasova, S.P.; Taranukha, Yu.K. Dokl. Earth Sci. Sect. (Engl. Transl.); 168: No. 1-6, 10-12(1966). USSR;THERMAL WATERS;SPACE HEATING;GEOTHERMAL ENERGY;PETROLEUM;NATURAL GAS

4328 UTILIZATION OF GEOTHERMAL WATERS FOR HEAT SUPPLY. Dyuskin, V.K.; Gorlov, V.I. Teploenergetika (Moscow); No. 2, 74-8(Feb 1966). THERMAL WATERS;USES;SPACE HEATING;GEOTHERMAL ENERGY;DISTRICT HEATING

4329 INVESTIGATION OF THE GEOTHERMAL POTENTIAL OF THE LOWER COLORADO RIVER BASIN PHASE I - IMPERIAL VALLEY PROJECT. Rex, R.W. Riverside, CA; United States of America (USA); Univ. Calif., Inst. Geophys., Planetary Phys. (1968). 15p. IMPERIAL VALLEY;GEOTHERMAL ENERGY;NATURAL STEAM;GEOTHERMAL RESOURCES;EXPLOITATION;

DESALINATION;POWER POTENTIAL;COLORADO RIVER

4330 PLAYBOY PAD - HIGH LIVING IN THE ROUND. Owen, T. (ed.). Playboy; 15: No. 10, 153-7(1968).
GEOTHERMAL ENERGY;SPACE HEATING;THERMAL WATERS;HOT SPRINGS;PIPES;BUILDINGS;IDAHO;HOUSES; HEATING

4331 PILOT GREENHOUSE FOR THE UTILIZATION OF LOW-TEMPERATURE WATERS. Dragone, G. (Istituto di Fisica Tecnica del Politecnico di Milano, Italy); Rumi, O. Geothermics; No. 2, 918-20(1970).
PILOT PLANTS;GREENHOUSES;SPACE HEATING;SOILS; THERMAL WATERS;GEOTHERMAL ENERGY;HEATING;USES

4332 BENEFICIAL USE OF HEAT IN ICELAND. TECHNICAL AND ECONOMICAL ASPECTS AND FUTURE PROSPECTS. Matthiasson, M. pp 139-184 of Conference on beneficial uses of thermal discharges. Mathur, S.P. (ed.). Albany; State University of New York (1970).
From Conference on beneficial uses of thermal discharges; Albany, New York, USA (17 Sep 1970).
Geothermal energy. ENERGY SOURCES;GEOTHERMAL RESOURCES;ELECTRIC POWER;GEOTHERMAL ENERGY; ECONOMICS;ICELAND;ENVIRONMENTAL ENGINEERING; BUILDINGS;INDUSTRY;ECOSYSTEMS;HUMAN POPULATIONS

4333 USE OF NATURAL STEAM IN A DIATOMITE PLANT. Lindal, B. (Consulting engineer, Reykjavik, Iceland). Geothermics; No. 2, 921-4(1970).
GEOTHERMAL ENERGY;STEAM;USES;INDUSTRIAL PLANTS;PRODUCTION;FILTERS;DRYING;HEATING; OPERATION;DIATOMACEOUS EARTH

4334 COOLING WITH GEOTHERMAL HEAT. Reynolds, G. (Fisher and Paykel Eng. Ltd., PO Box 8732, Auckland, New Zealand). Geothermics; Special Issue 2: 1658-61(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL ENERGY;USES;AIR CONDITIONING; DESIGN;HEAT EXCHANGERS;WATER;HEATING;COOLING; BUILDINGS

4335 GEOTHERMAL ENERGY RESOURCES FOR HEATING AND ASSOCIATED APPLICATIONS IN ROTORUA AND SURROUNDING AREAS. Burrows, W. (Ministry of Works, PO Box 506, Rotorua, New Zealand). Geothermics; Special Issue 2: 1662-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL ENERGY;HEATING;USES;NEW ZEALAND; GEOTHERMAL RESOURCES;DISTRICT HEATING

4336 SOME METHODS OF DEALING WITH LOW-ENTHALPY WATER IN THE ROTORUA AREA OF NEW ZEALAND. Cooke, W.L. (W.L. Cooke Ltd., Kent St., Newmarket, Auckland, New Zealand). Geothermics; Special Issue 2: 1670-5(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
NEW ZEALAND;ENTHALPY;THERMAL WATERS; GREENHOUSES;AIR CONDITIONING;USES;BUILDINGS; HEATING;GEOTHERMAL ENERGY

4337 EXPERIMENTAL AND INDUSTRIAL APPLICATIONS OF GEOTHERMAL ENERGY IN THE USSR. Lokchine, B.A. (La Construction d'Etat de l'URSS, Moscou); Dvorov, I.M. (Acad. des Sciences de l'URSS, Moscou). Geothermics; Special Issue 2: 1079-85(1970). (In Russian).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
USES;USSR;POWER GENERATION;THERMAL WATERS; SPACE HEATING;GREENHOUSES;GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY;INDUSTRY

4338 UTILIZATION OF HOT GROUNDWATER IN ELMORE AND OWYHEE COUNTIES, IDAHO. Ralston, D.R. (Idaho Dept. of Water Administration, Boise). pp 29-34 of Transactions of the Thermal Effluent Information Meeting, Boise, Idaho, 9 Jul 1970. Idaho Falls, Idaho; Idaho Nuclear Energy Commission (1970).
THERMAL WATERS;GROUND WATER;GEOTHERMAL SPACE HEATING;GREENHOUSES;IRRIGATION;MEDIUM TEMPERATURE;HIGH TEMPERATURE;BUILDINGS;USES; AGRICULTURE;IDAHO;SWIMMING POOLS;GEOTHERMAL HEATING

4339 BENEFICIAL USES OF THERMAL WATER. Miller, H.H., Jr. Thermal Water Horticultural Demonstration Project at Springfield, Oregon. Chemurgic Council 32nd Annual Conference, Washington, DC, 22-23 Oct 1970, Typescript. Portland; United States of America (USA); Vitro Corp. of America. Portland Operation (1970). 6p.
From 32. Annual Conference of Chemurgic Council; Washington, DC (22-23 Oct 1970).
THERMAL WATERS;USES;IRRIGATION;SOILS;HEATING; CROPS

4340 USE OF SUBSURFACE WATERS IN THE NATIONAL ECONOMY. MINERAL MEDICINAL WATERS. Doronina, M.A. pp 338-69 of Gidrogeol. SSSR. Volume 22. Sidorenko, A.V. (ed.). Moscow; 'Nedra' (1970).
THERMAL WATERS;GROUND WATER;USES;MINERALS; CARBON DIOXIDE;RADON;IRON;HYDROGEN SULFIDES; USSR;THERAPY

4341 UNDERGROUND MINERAL WATER OF ALPINE REGIONS OF SOUTHEASTERN KAZAKHSTAN. Kan, M.S. (Akad. Nauk Kazakhskoy SSR, Alma-Ata. Inst. Gidrogeol. i Gidrofiz.). pp 210-22 of Regional'nyye gidrogeologicheskiye issledovaniya v Kazakhstane. Volume 4. Alma-Ata; Akad. Nauk Kazakhskoy SSR (1971).
MINERAL SPRINGS;THERMAL WATERS;USSR;USES; SILICON;IRON;EXPLOITATION;TRACE AMOUNTS; ELEMENTS;BALNEOLOGY

4342 RECOVERY OF HIGH-VISCOSITY PETROLEUM BY STEAM FROM GEOTHERMAL HEAT. Paz-Castillo, F.; Kruger, P. (Stanford Univ., CA). Nucl. Technol.; 11: No. 3, 345-56(Jul 1971).
OIL SANDS;GEOTHERMAL ENERGY;PETROLEUM; VISCOSITY;PRODUCTION;PROCESSING;NUCLEAR EXPLOSIONS;UNDERGROUND EXPLOSIONS;STEAM;SHALE OIL;RECOVERY;UNDERGROUND MINING

4343 GEOTHERMAL ENERGY AND ITS USE FOR DISTRICT HEATING IN ICELAND. Kristinsson, G.H.; Jonsson, K.O. IHVE J.; 39: 103-11(Aug 1971).
DISTRICT HEATING;ICELAND;GEOTHERMAL RESOURCES;USES;GEOTHERMAL ENERGY

4344 STEAM CLEANED WATER. Papin, W.J. (Office of the Chief of Engineers (Army), Washington, DC). Water Spectrum; 3: No. 4, 37-9(Win 1971).
ICELAND;WATER QUALITY;THERMAL WATERS;

DISTRICT HEATING;NATURAL STEAM;HOT-WATER SYSTEMS;FEASIBILITY STUDIES;POWER GENERATION; GEOTHERMAL RESOURCES;SEAWATER;SALTS;RECOVERY; MINERALS

4345 GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA, JANUARY 1972. Washington, DC; Bureau of Reclamation (1972). 67p.
Fresh water augmentation of Colorado River. IMPERIAL VALLEY;WATER RESOURCES;GEOTHERMAL RESOURCES;DESALINATION;COLORADO RIVER;BRINES; CALIFORNIA;GEOTHERMAL POWER PLANTS;INJECTION WELLS;USES;ELECTRIC POWER;PURIFICATION;PLANNING; ECONOMICS;GEOTHERMAL WELLS

4346 PRODUCING FRESH WATER FROM BRINE. Murray, W.B. (Long Beach Dept. of Water, CA). Water and Sewage Works; 119: No. 1-2, Parts I-II, vp(Jan-Feb 1972).
BRINES;FRESH WATER;GEOTHERMAL FLUIDS; DESALINATION;NUCLEAR POWER;POWER GENERATION;AIR; SATURATION;VAPOR CONDENSATION;GEOTHERMAL ENERGY; NATURAL STEAM

4347 COLORADO RIVER WATER QUALITY IMPROVEMENT PROGRAM. Bureau of Reclamation, Washington, DC (Feb 1972). 88p.
COLORADO RIVER;SALINITY;WATER RESOURCES; QUALITY CONTROL;CALIFORNIA;NEVADA;ARIZONA; GEOTHERMAL RESOURCES;DESALINATION;AGRICULTURE; IRRIGATION

4348 REVIEW OF CALIFORNIA'S REGIONAL WATER SUPPLY SYSTEMS AND POSSIBLE APPLICATIONS OF DESALTING. Thompson, W.E. Contract W-7405-Eng-26. Oak Ridge; Oak Ridge National Lab., Tenn Nuclear Desalination Information Center (Jun 1972). 98p.
WATER RESERVOIRS;COLORADO RIVER;WATER RESOURCES;IRRIGATION;CALIFORNIA;GEOTHERMAL FLUIDS;BRINES;SEAWATER;DESALINATION;COST; IMPERIAL VALLEY

4349 WATER FROM GEOTHERMAL ENERGY. Laird, D.K. (Univ. Calif., Richmond). Trans. Am. Nucl. Soc.; 15: No. 1, 17(Jun 1972).
GEOTHERMAL POWER PLANTS;POWER GENERATION; ELECTRIC POWER;BRINES;DESALINATION;WATER RESOURCES;CALIFORNIA;MEXICO;SEAWATER; AGRICULTURE;HEATING;GEOTHERMAL ENERGY;USES;COST; ECONOMICS

4350 EVOLVING WATER POLICY AND MANAGEMENT IN THE UNITED STATES. Fairchild, W.D. Papers from International Symposium on Water Resources Planning, Mexico City, Mexico. Vol. III. Washington, DC; Bureau of Reclamation (Dec 1972).
From International Symposium on Water Resources Planning; Mexico City, Mexico (Dec 1972).
WATER RESOURCES;PLANNING;QUALITY CONTROL; OPTIMIZATION;WATER POLLUTION;USA;COLORADO RIVER; DESALINATION;GEOTHERMAL RESOURCES

4351 WATER FROM GEOTHERMAL RESOURCES. Laird, A.D.K. (Univ. of California, Berkeley). pp 177-196 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973).
Distillation economics. GEOTHERMAL ENERGY; THERMAL WATERS;GEOTHERMAL RESOURCES;WATER RESOURCES;FRESH WATER;PRODUCTION;ENVIRONMENT; POLLUTION;DESALINATION;ECONOMICS;ELECTRIC POWER; ION EXCHANGE;BRINES

4352 INDUSTRIAL AND OTHER APPLICATIONS OF GEOTHERMAL ENERGY (EXCEPT POWER PRODUCTION AND DISTRICT HEATING). Lindal, B. pp 135-148 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL ENERGY;ENERGY SOURCES;INDUSTRY; AGRICULTURE;BALNEOLOGY;EXPLORATION;USES

4353 GEOTHERMAL DISTRICT HEATING. Einarsson, S.S. (Vermir H/F, Reykjavik). pp 123-134 of Geothermal energy. Armstead, H.C.H. (ed.). Paris; United Nations Educational, Scientific and Cultural Organization (1973).
GEOTHERMAL ENERGY;DISTRICT HEATING; GEOTHERMAL EXPLORATION;BUILDINGS;ECONOMICS; ICELAND;GEOTHERMAL RESOURCES

4354 GEOTHERMAL RESOURCE INVESTIGATIONS. Porter, I.R. ASCE Meeting Preprint No. 1875. Boulder City, NV; Bureau of Reclamation (1973). 29p.
From American Society of Civil Engineers National Water Resources Engineering Meeting; Washington, DC (29 Jan-2 Feb 1973).
WATER RESOURCES;COLORADO RIVER;IMPERIAL VALLEY;GEOTHERMAL RESOURCES;THERMAL WATERS; DESALINATION;BRINES;HOT-WATER SYSTEMS; GEOTHERMAL ENERGY;GEOTHERMAL POWER PLANTS; CALIFORNIA;ELECTRIC POWER;PLANNING;USES;POWER POTENTIAL;BY-PRODUCTS;FRESH WATER

4355 UTILIZATION OF HEAT ENERGY OF HOT SPRINGS IN HOKKAIDO. ROAD HEATING AND FISH FARMING. Nishie, H. (Kushiro Tech. Coll., Kushiro, Japan). Onsen Kogakkaishi; 9: No. 1, 10-16(1973).
HOT SPRINGS;THERMAL WATERS;HEATING; AQUACULTURE;FISHES;ROADS;JAPAN;GEOTHERMAL ENERGY;SCALING;CORROSION;PIPES;CHEMICAL COMPOSITION;PH VALUE;USES

4356 GEOTHERMAL POWER: SLEEPING GIANT STIRS, BUT WILL REQUIRE YEARS TO WAKEN FULLY. O'Keefe, W. (McGraw-Hill, Inc., New York, NY). Power (N.Y.); 117: No. 4, 32-4(Apr 1973).
GEOTHERMAL ENERGY;FORECASTING;POWER POTENTIAL

4357 EFFECT OF IRRIGATION WITH THERMAL WATER ON TRACE-ELEMENT CONTENT IN SOME SOILS OF GEORGIA. Gelashvili, F.N. Pochvovedenie; No. 4, 80-6(Apr 1973).
THERMAL WATERS;SOILS;TRACE AMOUNTS;ELEMENTS; IRRIGATION;USES;USSR;NUTRIENTS;MAIZE; AGRICULTURE

4358 GEOTHERMAL HYDROPHONICS. Campbell, G. pp 160-2 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
Wendel Hot Springs. GEOTHERMAL ENERGY;SPACE HEATING;GREENHOUSES;CHEMICAL COMPOSITION; AGRICULTURE;OPERATION;HOT SPRINGS;THERMAL WATERS;INORGANIC COMPOUNDS;EXPLOITATION;HEATING; CALIFORNIA

4359 HYDROGEN AS A POSSIBLE INTERMEDIATE IN DEVELOPING THE GEOTHERMAL RESOURCES OF VOLCANOES IN ISOLATED LOCATIONS. Rex, R.W. Geotherm. Energy Mag.; 2: No. 5, 35-36(1974).
VOLCANOES;GEOTHERMAL ENERGY;USES;HYDROGEN; PRODUCTION;ECONOMICS

4360 GEOTHERMAL ENERGY USE IN HUNGARY. Boldizsar, T. (Technical Univ., Miskolc-Egyetemvaros, Hungary). pp 113-121 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
HUNGARY;GEOTHERMAL ENERGY;USES;GEOTHERMAL WELLS;HOT-WATER SYSTEMS;PROCESSING;COOLING; DRYING;THERMAL WATERS;ECONOMICS;DISTRICT HEATING;GEOTHERMAL SPACE HEATING

4361 GEOTHERMAL ENERGY FOR PRODUCTION OF FRESH WATER. (US Bureau of Reclamation, Boulder City, NV). pp 133-142 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
From 9. intersociety energy conversion engineering conference; San Francisco (26 Aug 1974).
Augmentation of Colorado River. GEOTHERMAL ENERGY;FRESH WATER;PRODUCTION;COLORADO RIVER; DESALINATION;IMPERIAL VALLEY;PILOT PLANTS; DISTILLATION;FLASHING;EVAPORATORS;GEOTHERMAL RESOURCES;THERMAL WATERS;USES

4362 ICELAND: REYKJAVIK DISTRICT HEATING SYSTEM. pp 243-250 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
ICELAND;GEOTHERMAL ENERGY;HOT-WATER SYSTEMS; PUMPS;EQUIPMENT;DISTRIBUTION;NAMAFJALL GEOTHERMAL FIELD;MAPS;DIAGRAMS;COST;CONSUMPTION RATES;ENERGY CONSUMPTION;CENTRAL HEATING PLANTS; DISTRICT HEATING

4363 GEOTHERMAL OR HYDROTHERMAL HEAT SOURCE REFRIGERATION VERSUS ELECTRIC POWER AND FOSSIL FUEL SOURCES FOR PROCESS AND AIR CONDITIONING. Wehlage, E.F. (Edward F. Wehlage and Associated Engineers, Whittier, CA). pp 264-270 of Geothermal world directory. Meadows, K.F. (comp. and ed.). Glendora, California; Katherine F. Meadows (1974).
GEOTHERMAL ENERGY;ELECTRIC POWER;FOSSIL FUELS;GEOTHERMAL ENERGY CONVERSION;AIR CONDITIONING;COMPARATIVE EVALUATIONS;DESIGN; THERMODYNAMIC CYCLES;GEOTHERMAL REFRIGERATION; PROCESSING;EQUIPMENT

4364 GEOTHERMAL OR HYDROTHERMAL HEAT SOURCE REFRIGERATION VERSUS ELECTRIC POWER AND FOSSIL FUEL SOURCES FOR PROCESS AND AIR CONDITIONING. Wehlage, E.F. (Edward F. Wehlage and Assoc. Eng., Whittier, CA). IEEE Trans. Ind. Appl.; IA-10: No. 4, 449-55(1974).
GEOTHERMAL REFRIGERATION;AIR CONDITIONING; DESIGN;GEOTHERMAL ENERGY;COOLING SYSTEMS

4365 NONELECTRICAL USES OF GEOTHERMAL RESOURCES. Ogle, W.E. Geotherm. Energy Mag.; 2: No. 1, 32-33(Jan 1974).
GEOTHERMAL ENERGY;ELECTRICITY;TRANSPORT; DISTRICT HEATING;ENERGY CONVERSION;ENERGY CONSUMPTION;EFFICIENCY;USA;ECONOMICS;ENERGY SOURCES;INDUSTRIAL PLANTS;HEATING

4366 GEOTHERMAL COOLING URGED FOR MANAGUA. Geotherm. Energy Mag.; 2: No. 1, 51(Jan 1974).
GEOTHERMAL ENERGY;EARTHQUAKES;NICARAGUA;AIR CONDITIONING;GEOTHERMAL RESOURCES;ENERGY CONVERSION;ENERGY SOURCES;ECONOMICS;COMPARATIVE EVALUATIONS

4367 GEOTHERMAL STEAM SUPPLIES ADDED POWER FOR MITSUBISHI'S AKITA ZINC PLANT. Rutledge, P. (McGraw-Hill World News, Tokyo, Japan). Eng. Min. J.; 175: No. 2, 78-9(Feb 1974).
INDUSTRIAL PLANTS;GEOTHERMAL POWER PLANTS; ZINC;JAPAN;POWER GENERATION;ELECTRIC POWER;USES; GEOTHERMAL ENERGY;METALLURGY;POWER SUPPLIES; CONSTRUCTION;GEOTHERMAL WELLS

4368 PROCESSING OF SALINE GEOTHERMAL FLUIDS FOR MINERAL RECOVERY. Lindal, B. (Consulting Engineer, Reykavik, Iceland); Hornburg, C.C. (DSS Engineers, Inc., Ft. Lauderdale, Fla.). Geotherm. Energy Mag.; 2: No. 4, 13-20(Apr 1974).
MINERALS;RECOVERY;GEOTHERMAL RESOURCES; GEOTHERMAL FLUIDS;BRINES;BOREHOLES;INDUSTRIAL PLANTS;INORGANIC COMPOUNDS;ORGANIC COMPOUNDS; EXTRACTION;USES

4369 GEOTHERMAL REFRIGERATION. Wehlage, E.F. Geotherm. Energy Mag.; 2: No. 6, 29-33(Jun 1974).
GEOTHERMAL ENERGY;REFRIGERATION;DESIGN;HOT SPRINGS;AIR CONDITIONING;EQUIPMENT;USES

4370 UTILIZATION OF THE EARTH'S NATURAL HEATING SYSTEM TO DESALT GEOTHERMAL BRINES FOR AUGMENTATION OF THE COLORADO RIVER SYSTEM. Lundberg, E.A. (Bureau of Reclamation, Boulder City, NV. Region 3). Natl. Water Supply Improvement Assoc. Journal; 1: No. 1, 39-51(Jul 1974).
COLORADO RIVER;BRINES;DESALINATION;WATER RESOURCES;DILUTION;WATER QUALITY;SALINITY;FRESH WATER;POWER GENERATION;IMPERIAL VALLEY; PRODUCTION;GEOTHERMAL WELLS;GEOTHERMAL RESOURCES;GEOTHERMAL FLUIDS

4371 ALTERNATIVE SOURCES OF ENERGY. Smit, I. Polytech. Tijdschr. Elektrotech. Elektron.; 29: No. 14, 443-51(10 Jul 1974). (In Dutch).
SOLAR ENERGY;SOLAR WATER HEATERS;HOUSES; STATISTICS;HYDROELECTRIC POWER;TIDAL POWER;WIND POWER;GEOTHERMAL ENERGY;METHANE;USES;PLANNING

4372 NON-ELECTRIC AND ELECTRIC ... A SHORT ESSAY ON WHAT IS BEING DONE AND HOW. (PAPER NO. 7401). Trans. Int. Soc. Geothermal Eng., Utilization; 1: No. 1, 1-1 to 1-8(Sep 1974).
GEOTHERMAL ENERGY;USES;ELECTRIC POWER;SPACE HEATING;COOLING

4373 NON-ELECTRIC COOLING AT +4°C FROM GEOTHERMAL/HYDROTHERMAL HEAT SOURCES. (PAPER NO. 7405). Wehlage, E.F. (IEEE). Trans. Int. Soc. Geothermal Eng., Utilization; 1: No. 1, 5-1 to 5-7(Sep 1974).
GEOTHERMAL ENERGY;COOLING;USES;REFRIGERATION; HYDROTHERMAL SYSTEMS;BRINES;WASTE HEAT

4374 GEOTHERMAL - UTILIZATION WITH REINJECTION. IT'S A FACT AT ROTORUA, NEW ZEALAND. (PAPER NO. 7404). Burrows, W.F.; Wehlage, E.F. Trans. Int. Soc. Geothermal Eng., Utilization; 1: No. 1, 4-1 to 4-5(Sep 1974).
GEOTHERMAL FLUIDS;OPERATION;USES;INJECTION WELLS;NEW ZEALAND;INJECTION;COOLING;BOREHOLES

4375 PROBLEM OF CREATION OF A POWER AND METALLURGICAL COMPLEX ON THE FAR EASTERN COAST OF THE USSR. Vasil'chikov, N.V. (Moscow State Univ., USSR). Gorn. Zh.; No. 9, 10-14(Sep 1974).
GEOLOGIC DEPOSITS;METALLURGY;ORES;MINING; INDUSTRIAL PLANTS;GEOTHERMAL ENERGY;USES;USSR;

NUCLEAR POWER PLANTS;GEOTHERMAL POWER PLANTS

4376 ECONOMICS OF MULTI-PURPOSE USE OF GEOTHERMAL RESOURCES. Barnea, J. Geotherm. Energy Mag.; 2: No. 11, 29-34(Nov 1974).
GEOTHERMAL RESOURCES;ECONOMICS;USES; AGRICULTURE;HEATING;COOLING;GREENHOUSES;REVIEWS; GEOTHERMAL ENERGY;SPACE HEATING

4377 UTILIZATION OF THERMAL ENERGY. Purvine, W.D. (Oregon Inst. Tech.). Geotherm. Energy Mag.; 2: No. 11, 43-9(Nov 1974).
From International Conference on Geothermal Energy for Industrial, Agricultural and Commercial-Residential Uses; Oregon Inst. Tech., Klamath, OR (7 Oct 1974).
GEOTHERMAL ENERGY;USES;SPACE HEATING; BUILDINGS;OREGON;WELL DRILLING;GEOTHERMAL WELLS; HEATERS;HEATING

4378 GEOTHERMAL ENERGY'S POTENTIAL FOR HEATING AND COOLING: IN FOOD PROCESSING. Wehlage, E.F. (Edward F. Wehlage and Associated Engineers, Whittier, CA). Geotherm. Energy Mag.; 2: No. 12, 7-14(Dec 1974).
From International conference on geothermal energy for industrial, agricultural, and commercial--residential uses; Klamath Falls, OR (7 Oct 1974).
GEOTHERMAL ENERGY;HEATING;COOLING; REFRIGERATION;USES;PROCESSING;FOOD

4379 DEVELOPMENT OF THE NATION'S GEOTHERMAL ENERGY RESOURCES. Kruger, P. (Division of Geothermal Energy (ERDA), Washington, DC). pp 271-289 of Energy technology II. Sullivan, T.F.P. (ed.). Washington, DC; Government Institutes, Inc. (1975).
From 2. Energy Technology Conference; Washington, DC (12 May 1975).
ERDA plan. RESEARCH PROGRAMS;GEOTHERMAL ENERGY;FORECASTING;PROJECT INDEPENDENCE; GEOTHERMAL RESOURCES

4380 CURRENT WORLDWIDE UTILIZATION AND ULTIMATE POTENTIAL OF GEOTHERMAL ENERGY SYSTEMS. Muffler, L.J.P. (Geological Survey, Menlo Park, CA). Adv. Astronaut. Sci.; 35: Suppl. 433-442(1975).
From Energy Symposium of the 140. Annual Meeting of the American Association for the Advancement of Science; San Francisco, CA (25 Feb 1974).
HEATING;GEOTHERMAL SYSTEMS;ELECTRICITY;ITALY; CALIFORNIA;NEW ZEALAND;SPACE HEATING;GEOTHERMAL POWER PLANTS;GEOTHERMAL GRADIENTS;AGRICULTURE; GREENHOUSES;INDUSTRIAL PLANTS;PROCESSING; FORECASTING;ECONOMICS;GEOTHERMAL ENERGY; ENVIRONMENTAL EFFECTS

4381 CARRYING OUT HEAT-PROMOTABLE CHEMICAL REACTIONS IN SODIUM CHLORIDE FORMATION CAVERN. Jacoby, C.H. (to International Salt Co.). US Patent 3,858,397. 7 Jan 1975. Filed date 19 Mar 1970. 16p.
GEOTHERMAL ENERGY;CHEMICAL REACTIONS;SODIUM CHLORIDES;SALT DEPOSITS;CAVES;THERMAL CONDUCTION

4382 GEOTHERMAL-NUCLEAR WASTE DISPOSAL AND CONVERSION SYSTEM. Van Huisen, A.T. (to Kinichi Watase, Redondo Beach, CA). US Patent 3,864,208. 4 Feb 1975. Filed date 11 Apr 1972. 12p.
WASTE DISPOSAL;SOLID WASTES;NONRADIOACTIVE WASTES;CAVITIES;UNDERGROUND DISPOSAL;HEATING; GEOTHERMAL SYSTEMS;THERMONUCLEAR DEVICES;WASTE PROCESSING;UNDERGROUND;GEOTHERMAL ENERGY; PYROLYSIS

4383 GEOTHERMAL ENERGY HEATS CAMPUS. Hitt, J. (Oregon Inst. of Tech., Klamath Falls). Heat., Piping Air Cond.; 47: No. 3, 56-59(Mar 1975).
Oregon Institute of Technology. ENERGY CONSERVATION;GEOTHERMAL SYSTEMS;DESIGN; PERFORMANCE;OREGON;GEOTHERMAL WELLS;HEATING; GEOLOGY;ENGINEERING;SPACE HEATING;ECONOMICS; WELL LOGGING

4384 THERMAL ENERGY FROM WATER. Bonauguri, E. (Politecnico, Milan). Termotecnica (Milan); 29: No. 3, 145-150(Mar 1975). (In Italian).
Utilization of wells at Bagno dell'Acque, Gadir, Cazen, and Nice. WATER;HEAT RECOVERY; WASTE HEAT;PROCESSING;ENERGY CONSERVATION; GEOTHERMAL GRADIENTS;ENERGY SOURCES;THERMAL POWER PLANTS;OPERATION;INDUSTRIAL PLANTS; GEOTHERMAL WELLS;SEAWATER

4385 GEOTHERMAL ENERGY USE IN HUNGARY. Boldizsar, T. (Technical Univ., Miskolc-Egyetemvaros, Hungary). Geotherm. Energy Mag.; 3: No. 4, 5-13(Apr 1975).
From Oregon Inst. of Technology, Geothermal International Conference; (8 Oct 1974).
Production capacity of 11760 m^3/hr hot water of 56-99°C from 131 geothermal wells. HUNGARY; GEOTHERMAL ENERGY;USES;HOT-WATER SYSTEMS; DISTRICT HEATING;SPACE HEATING;AGRICULTURE; COOLING;DRYING;BUILDINGS;GREENHOUSES;GEOTHERMAL WELLS;CHEMICAL COMPOSITION;BALNEOLOGY;APARTMENT BUILDINGS;ECONOMICS;HEAT FLOW;GEOTHERMAL FLUIDS

4386 GEOTHERMAL CHANNEL AND HARBOR ICE CONTROL SYSTEM. Van Huisen, A.T. US Patent 3,889,473. 17 Jun 1975. Filed date 8 Mar 1974. 8p.
GEOTHERMAL WELLS;HEATING;GEOLOGIC STRATA; ARCTIC REGIONS;SEAS;ICE;MELTING;HARBORS;HEAT TRANSFER;GEOTHERMAL ENERGY;USES;GEOTHERMAL HEATING

4387 COLD WATER POTENTIAL FOR HEAT SOURCE EXPLORED. Clark, B. (Oregon Inst. of Tech., Klamath Falls). Geotherm. Energy Mag.; 3: No. 7, 36-37(Jul 1975).
HEAT PUMPS;GEOTHERMAL ENERGY;THERMAL WATERS; AIR CONDITIONERS;BUILDINGS;MEDIUM TEMPERATURE; LOW TEMPERATURE;AIR CONDITIONING;WATER;OREGON; GEOTHERMAL SPACE HEATING

4388 GEOTHERMAL ENERGY: IS IT REAL AND WHAT IS IT GOOD FOR. Bowen, R.G. Geotherm. Energy Mag.; 3: No. 7, 40-41(Jul 1975).
GEOTHERMAL ENERGY;USES;OREGON;ELECTRIC POWER; AGRICULTURE;GEOTHERMAL SPACE HEATING

4389 SENATE JUDICIARY COMMITTEE HB 2040: APRIL 30, 1975, OREGON. Hook, J.W. Geotherm. Energy Mag.; 3: No. 7, 45(Jul 1975).
OREGON;HEARINGS;GEOTHERMAL ENERGY;USES;SPACE HEATING;DISTRICT HEATING;ELECTRIC POWER; GEOTHERMAL RESOURCES

4390 WORLDWIDE ELECTRIC AND NONELECTRIC GEOTHERMAL INDUSTRY. Peterson, R.E.; El-Ramly, N. (Hawaii Natural Energy Inst., Honolulu). Geotherm. Energy Mag.; 3: No. 11, 4-14(Nov 1975).

GEOTHERMAL ENERGY;USES;TABLES;ELECTRIC POWER; INDUSTRY;REVIEWS;AGRICULTURE;DISTRICT HEATING; MINERALS;RECOVERY;SPACE HEATING;BALNEOLOGY;COST

Consumption Rates

4391 (ANCR--1246) FEASIBILITY CONCEPTUAL DESIGN STUDY FOR BOISE GEOTHERMAL SPACE HEATING DEMONSTRATION PROJECT BUILDING MODIFICATIONS. Donovan, L.E.; Richardson, A.S. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA). Idaho National Engineering Lab.). Sep 1975. Contract E(10-1)-1375. vp. Dep. NTIS $5.45.
GEOTHERMAL SPACE HEATING;BUILDINGS;IDAHO; FEASIBILITY STUDIES;DESIGN;COST;SPECIFICATIONS

4392 APPLICATION OF GEOTHERMAL ENERGY TO THE SUPPLY OF ELECTRICITY. Iwamizu, T. (Kyushu Electric Power Co., Japan). Nenryo Kyokai-shi; 52: No. 559, 832-40(Nov 1973).
GEOTHERMAL ENERGY;ELECTRIC POWER;FORECASTING; ENERGY SUPPLIES;USES;POWER POTENTIAL

Economics

Refer also to citation(s) 395, 3561, 3823, 4294

4393 ECONOMIC CHARACTERISTICS OF GEOTHERMAL BOREHOLES. Landsman, S.U.; Shurchkov, A.V.; Gordienko, L.V. Teploenergetika (Moscow); No. 6, 62-5(Jun 1969).
GEOTHERMAL WELLS;OPERATION;PERFORMANCE; ECONOMICS;GEOTHERMAL ENERGY;COST

4394 BANANAS GROW IN ICELAND, BUT ONLY IN GREENHOUSES. Grit; No. 50, 26(23 Nov 1969).
ICELAND;THERMAL WATERS;GEOTHERMAL RESOURCES; GREENHOUSES;SPACE HEATING;USES;AGRICULTURE; ECONOMICS;HOT SPRINGS;CROPS;FOOD;GEOTHERMAL ENERGY;VEGETABLES;FRUITS;PLANTS;HEATING

4395 GEOTHERMAL ENERGY AND DESALINATION: PARTNERS IN PROGRESS. Wong, C.M. (Director Office of Saline Water, U.S. Dept. of Interior, Washington, DC). Geothermics; No. 2, 892-5(1970).
GEOTHERMAL ENERGY;DESALINATION;GEOTHERMAL RESOURCES;IMPERIAL VALLEY;CALIFORNIA;MEXICO; THERMAL WATERS;ECONOMICS;WATER RESOURCES; FORECASTING

4396 ECONOMIC FACTORS IN THE LONGEVITY OF RESOURCES. Peterson, R.E. (Univ. of Hawaii, Honolulu). Geotherm. Energy Mag.; 3: No. 3, 7-11; 13-14(Mar 1975).
ECONOMICS;RESERVES;GEOTHERMAL RESOURCES; TAXES;COST;MARKET;AVAILABILITY

4397 ECONOMIC FACTORS IN THE LONGEVITY OF RESOURCES. Peterson, R.E. (Univ. of Hawaii, Honolulu). Geotherm. Energy Mag.; 3: No. 3, 7-11; 13-14(Mar 1975).
ECONOMICS;RESERVES;GEOTHERMAL RESOURCES; TAXES;COST;MARKET;AVAILABILITY

4398 COSTS OF GEOTHERMAL STEAM CAPACITY. Meidav, T. (Geonomics Inc., Berkeley, CA). Oil Gas J.; 73: No. 10, 94-96(10 Mar 1975).
GEOTHERMAL ENERGY;GEOTHERMAL FLUIDS; GEOTHERMAL WELLS;ECONOMICS;NATURAL STEAM; EXPLORATION;SPACE HEATING;GEOTHERMAL FIELDS; ELECTRIC POWER;COMPARATIVE EVALUATIONS;STEAM

Geothermal Data and Theory

Refer also to citation(s) 113, 846, 856, 865, 895, 896, 901, 902, 939, 946, 1091, 1319, 1483, 1848, 1872, 1946, 2193, 2345, 2374, 2412, 2433, 2502, 2636, 2646, 2662, 2663, 2708, 2812, 2996, 3008, 3112, 3113, 3114, 3115, 3134, 3142, 3155, 3156, 3177, 3181, 3266, 3295, 3986, 4051, 4109, 4110, 4225, 4250, 4270

4399 (CONF-740209--, pp 238-250) INSTABILITY OF THE MAGMATIC TRANSPORT. Fujii, N. (Stanford Univ., CA); Uyeda, S. 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
MAGMA;INSTABILITY;MASS TRANSFER;FLUID FLOW; FLOW RATE;VOLCANOES

4400 (CONF-740209--, pp 273-286) PRELIMINARY ESTIMATE OF GLOBAL VOLCANIC PRODUCTION RATE. Nakamura, K. (Univ. of Tokyo). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;GEOTHERMAL ENERGY;TECTONICS; POTENTIAL ENERGY;KINETIC ENERGY;ENERGY YIELD

4401 (CONF-740209--, pp 287-297) THERMAL PROPERTIES OF BASALTIC MAGMA: RESULTS AND PRACTICAL EXPERIENCE FROM STUDY OF HAWAIIAN LAVA LAKES. SUMMARY. Peck, D.L. (U.S. Geological Survey, Washington, D.C.). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
LAVA;LAKES;BASALT;VOLCANOES;HAWAII;RIFT ZONES;COOLING;DRILLING;TEMPERATURE MEASUREMENT; MAGMA

4402 (CONF-740209--, pp 307-328) THERMAL FIELD ON AND AROUND ACTIVE VOLCANOES IN HOKKAIDO, JAPAN. Ehara, S.; Yokoyama, I. (Hokkaido, Univ., Sapporo). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANIC REGIONS;HEAT FLOW;JAPAN;HEAT TRANSFER;VOLCANOES;GASES;FUMAROLES;FUMAROLIC FLUIDS

4403 (CONF-740209--, pp 330-362) PRESENT STATE OF VOLCANOLOGY: A DISCUSSION. SESSION IV. Yuhara, K.; Peck, D. (National Research Center of Disaster Prevention, Tokyo). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;GEOTHERMAL ENERGY;GEOLOGIC

STRUCTURES;GEOLOGY

4404 (CONF-740209--, pp 370-389) ON THE CONVERSION OF VOLCANIC ENERGY TO A SYNTHETIC FUEL. Harrenstien, H. (Univ. of Miami, Coral Gables, FL); Adt, R. 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;GEOTHERMAL ENERGY;HYDROGEN PRODUCTION;ECONOMICS;PYROLYSIS;WATER; THERMOCHEMICAL PROCESSES;ELECTROLYSIS; DISSOCIATION

4405 (CONF-740209--, pp 391-414) MORPHOLOGICAL, HYDROLOGICAL AND THERMAL CHARACTERISTICS OF ACTIVE VOLCANOES HAVING NO GEOTHERMAL AREAS; AND ARTIFICIAL HYDROTHERMAL SYSTEMS FOR UTILIZING THEIR LATENT INTERNAL HEAT ENERGY. Yuhara, K. (National Research Center for Disaster Prevention, Tokyo). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;GEOTHERMAL FIELDS;HYDROTHERMAL SYSTEMS;THERMAL WATERS;HYDROLOGY;GEOMORPHOLOGY; POWER GENERATION;HEAT EXTRACTION;VOLCANIC REGIONS;HOT SPRINGS;FUMAROLES;TABLES

4406 (CONF-740209--, pp 596-602) HYDROGEN AS A POSSIBLE INTERMEDIATE IN DEVELOPING THE GEOTHERMAL RESOURCES OF VOLCANOES IN ISOLATED LOCATIONS. Rex, R.W. (Republic Geothermal, Inc., Whittier, GA). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
HYDROGEN PRODUCTION;ELECTROLYSIS;GEOTHERMAL ENERGY;COST;ELECTRIC POWER

4407 (LA--5956-PR) SOLID EARTH GEOSCIENCES RESEARCH ACTIVITIES AT LASL JULY 1--DECEMBER 31, 1974. McGetchin, T.R. (comp.). (Los Alamos Scientific Lab., N.Mex. (USA)). Jul 1975. Contract W-7405-eng-36. 93p. Dep. NTIS $5.45.
GEOPHYSICS;GEOCHEMISTRY;HOT-DRY-ROCK SYSTEMS; RESEARCH PROGRAMS;GEOLOGY;SUBTERRENE PENETRATORS;VOLCANOES;HEAT TRANSFER;MASS TRANSFER;PETROLOGY;SEISMOLOGY;GRANITES;ROCKS; LASL

4408 (LBL--3263) MODELING GEOTHERMAL SYSTEMS. Witherspoon, P.A.; Neuman, S.P.; Sorey, M.L.; Lippmann, M.J. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). May 1975. Contract W-7405-ENG-48. 68p. (CONF-750353--1). Dep. NTIS $6.50.
Lumped-parameter and distributed parameter models. HYDROTHERMAL SYSTEMS;MATHEMATICAL MODELS;CONVECTION;MASS TRANSFER;HEAT TRANSFER; EXPLOITATION

4409 (NASA-SP--327, pp 305-15) ESTABLISHMENT, TEST, AND EVALUATION OF A PROTOTYPE VOLCANO-SURVEILLANCE SYSTEM. Ward, P.; Eaton, J.P.; Endo, E.; Harlow, D.; Marquez, D. (Natl. Center for Earthquake Research, Menlo Park, CA). 1973.
Symposium on Significant Results Obtained from the Earth Resources Technology Satellite-1. Volume 1. Technical presentations. Section A.
VOLCANOES;VOLCANISM;REMOTE SENSING;DATA COMPILATION;ALASKA;HAWAII;WASHINGTON;CALIFORNIA; ICELAND;EARTHQUAKES

4410 (NASA-TT-F--671) ELECTRIC AND THERMAL PROPERTIES OF ROCKS. Moiseyenko, U.I.; Sokolova, L.S.; Istomin, V.Y. (National Technical Information Service, Springfield, Va. (USA)). Feb 1972. 59p. NTIS $3.00; $1.45 (mf).
IGNEOUS ROCKS;SEDIMENTARY ROCKS; THERMODYNAMIC PROPERTIES;ELECTRIC CONDUCTIVITY; THERMAL CONDUCTIVITY;HEAT;GEOLOGY;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;BOREHOLES

4411 (NASA-TT-F--699) TOWARD AN UNDERSTANDING OF THE LAWS GOVERNING THE DEVELOPMENT OF THE EARTH'S CRUST AND THE GEOTHERMAL FIELDS OF THE LITHOSPHERE. Boganik, N.S. Feb 1972. 81p.
GEOPHYSICS;GEOTHERMAL FIELDS;EARTH CRUST; ORIGIN;RADIOACTIVITY;EARTH PLANET;SOILS

4412 (PB--235148) SPECIAL TECHNIQUES FOR DETERMINING CHEMICAL PROPERTIES OF GEOTHERMAL WATER. (WATER-RESOURCES INVESTIGATIONS, FINAL). Presser, T.S.; Barnes, I. (Geological Survey, Menlo Park, Calif. (USA)). Aug 1974. 16p. (USGS/WRI--22-74; USGS/WRD--74-028). NTIS $3.00; $2.25 (mf).
GEOTHERMAL FLUIDS;THERMAL WATERS;CHEMICAL COMPOSITION;MEASURING METHODS;QUALITATIVE CHEMICAL ANALYSIS

4413 (UCRL--7605) HIGH TEMPERATURE THERMAL CONDUCTIVITY OF SIX ROCKS. Stephens, D.R. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 1963. 15p.
NEVADA TEST SITE;GRANITES;BASALT;TUFF; LIMESTONE;DOLOMITE;SALTS;THERMAL CONDUCTIVITY; DATA;VERY HIGH TEMPERATURE;HIGH TEMPERATURE; THERMOCOUPLES;TEMPERATURE MEASUREMENT

4414 (WASH--1344) RECOMMENDED RESEARCH PROGRAM IN GEOTHERMAL CHEMISTRY. Lyon, R.N.; Kolstad, G.A. (comps.). (Oak Ridge National Lab., Tenn. (USA); USAEC Division of Physical Research, Washington, D.C.). Oct 1974. 48p. Dep. NTIS $5.45.
RESEARCH PROGRAMS;GEOTHERMAL RESOURCES; MINERALS;METALS;CHEMICAL REACTIONS;HYDROTHERMAL SYSTEMS;ROCKS;GEOCHEMISTRY;CHEMICAL REACTION KINETICS;THERMODYNAMIC PROPERTIES;PHYSICAL PROPERTIES

4415 TEXT-BOOK OF GEOLOGY. VOLUMES 1-2. Geikie, A. 4th Edition. London; United Kingdom of Great Britain and Northern Ireland (UK); MacMillan Co. (1903). 1472p.
GEOLOGY;VOLCANIC REGIONS;FUMAROLES;GEYSERS; VOLCANOES;HOT SPRINGS

4416 MEASUREMENT OF TEMPERATURE IN BOREHOLES. Johnston, J.; Adams, L.H. Econ. Geol.; 11: 741-62(1916).
BOREHOLES;EARTH CRUST;GEOLOGIC STRATA; THERMOMETERS;PERFORMANCE;ACCURACY;TEMPERATURE MEASUREMENT;ELECTRIC CONDUCTIVITY;ELECTRIC MEASURING INSTRUMENTS

4417 THERMAL CONDUCTIVITY OF VITREOUS SILICA, WITH A NOTE ON CRYSTALLINE QUARTZ. Kaye,

G.W.C.; Higgins, W.F. Proc. R. Soc. (London), Ser. A; 113: 335-50(1926).
SILICON OXIDES;THERMAL CONDUCTIVITY;QUARTZ; TEMPERATURE DEPENDENCE;HEAT FLOW

4418 EARTH TEMPERATURES, BURIED HILLS, AND ANTICLINAL FOLDS, DISCUSSION. Thom, W.T., Jr. Econ. Geol.; 22: No. 1, 91-4(1927).
GROUND WATER;FLUID FLOW;HEAT TRANSFER;EARTH CRUST;GEOTHERMAL GRADIENTS;GEOLOGY;HYPOTHESIS

4419 GEOLOGIC THERMOMETRY. Bowen, N.L. pp 172-99 of Laboratory investigation of ores, a symposium. Fairbanks, E.E. (ed.). New York; McGraw-Hill Book Co. (1928).
MINERALS;ORES;GEOTHERMOMETRY;PHASE TRANSFORMATIONS;FLUIDS;INCLUSIONS;ROCKS; DEPOSITS;SILICON OXIDES;CHEMICAL COMPOSITION; MEASURING METHODS

4420 HEAT FLOW THROUGH GRANULATED MATERIAL. Awbery, J.H. Philos. Mag.; 12: 1152-5(1931).
GEOLOGIC STRATA;HEAT FLOW;THERMAL CONDUCTIVITY;LAYERS

4421 RELATIONSHIP OF CHLORIDE CONCENTRATION IN UNDERGROUND WATERS TO SUBSURFACE TEMPERATURE GRADIENTS. Plummer, F.B.; Sargent, E.C. Geol. Soc. Am., Bull.; 42: 188-9(1931).
GROUND WATER;SALINITY;EARTH CRUST;GEOTHERMAL GRADIENTS;CONNATE WATER;GEOLOGIC FAULTS; TEMPERATURE MEASUREMENT;CHLORIDES

4422 SIGNIFICANCE OF UNDERGROUND TEMPERATURES. Strong, M.W. Pet. Times; 30: No. 758, 132(1933).
EARTH CRUST;GEOLOGY;GEOLOGIC STRATA;ROCKS; THERMAL CONDUCTIVITY;TECTONICS;GEOTHERMAL GRADIENTS

4423 PREPARATION OF SPECIMENS FOR THE MEASUREMENT OF THERMAL CONDUCTIVITY. Adams, J.M. Rev. Sci. Instrum.; 5: 250-2(1934).
ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS; COATINGS;THERMOCOUPLES;SAMPLE PREPARATION

4424 THEORY OF HEAT CONDUCTION APPLIED TO GEOLOGIC PROBLEMS. Lovering, T.S. Geol. Soc. Am., Bull.; 46: 69-94(1934).
ROCKS;THERMAL DIFFUSIVITY;GEOLOGIC FAULTS; DIAGRAMS;THERMAL CONDUCTIVITY

4425 TEMPERATURES IN LAVAS AND MAGMAS AND A NEW GEOLOGICAL THERMOMETER. Barth, T.F.W. Naturen; Arg. 58: No. 6, 187-92(1934).
MAGMA;TEMPERATURE MEASUREMENT; GEOTHERMOMETERS;GEOTHERMOMETRY;LAVA

4426 THERMAL CONDUCTIVITY OF QUARTZ AT LOW TEMPERATURES. De Haas, W.J.; Biermasz, T. K. Onnes. Lab., Leiden, Comm. No. 236C, Phys.; 2: 673-82(1935).
QUARTZ;THERMAL CONDUCTIVITY;LOW TEMPERATURE; TEMPERATURE DEPENDENCE

4427 PHYSICAL SCIENCE OF HEAT, PART 1. Eucken, I.A. Die Phys.; 3: No. 2, 63-90(1935).
THERMODYNAMICS;EQUATIONS OF STATE;SPECIFIC HEAT;PHASE TRANSFORMATIONS;BIBLIOGRAPHIES;HEAT; ENTROPY

4428 ROCK TEMPERATURES AND DEPTHS TO NORMAL BOILING POINT OF WATER IN THE UNITED STATES. Spicer, H.C. Am. Assoc. Pet. Geol. Bull.; 20: No. 3, 270-9(1936).
USA;EARTH CRUST;GEOLOGIC STRATA;ROCKS; TEMPERATURE GRADIENTS;MEDIUM TEMPERATURE; GEOTHERMAL GRADIENTS

4429 VOLCANOES, GEYSERS, AND HOT SPRINGS. Day, A.L. Sci. Monthly; 47: 309-15(1938).
VOLCANOES;GEYSERS;HOT SPRINGS;FUMAROLES; MAGMA;CHEMICAL COMPOSITION;PHYSICAL PROPERTIES; GEOTHERMAL ENERGY;GEOLOGY

4430 HYDROGEOLOGY. INTRODUCTION TO THE STUDY OF WATERS OF HUMAN CONSUMPTION AND INDUSTRY. Fourmarier, P. Paris; France; Masson, Cie (1939). 284p.
HYDROLOGY;GEOLOGY;GROUND WATER;SURFACE WATERS;THERMAL WATERS;MINERALS

4431 THERMAL PROPERTIES OF SATURATED WATER AND STEAM. Osborne, N.S.; Stimson, H.F.; Ginnings, D.C. J. Res. Bur. Stand.; 23: 261-70(1939).
WATER;STEAM;SATURATION;THERMODYNAMIC PROPERTIES;SPECIFIC HEAT;VAPORIZATION HEAT; MEDIUM TEMPERATURE;TABLES

4432 TEMPERATURE GRADIENTS AND ROCK CONDUCTIVITY. Koenigsberger, J.G. Min. Met. (New York); 20: No. 388, 208(1939).
ROCKS;GEOPHYSICAL SURVEYS;THERMAL CONDUCTIVITY;TEMPERATURE GRADIENTS;ERRORS;DATA

4433 GEOCHEMICAL COMPLEXES. Fersman, A.E. Acad. Sci. URSS Doklady, Compt. Rend.; 28: No. 2, 148-50(1940).
EARTH CRUST;GEOCHEMISTRY;GROUND WATER;HIGH TEMPERATURE;MINERALS;EQUILIBRIUM;COMPLEXES

4434 THERMAL CONDUCTIVITY OF ROCKS AND ITS DEPENDENCE UPON TEMPERATURE AND COMPOSITION. Birch, F.S.; Clark, H. Am. J. Sci.; 238: No. 8, 529-58(1940).
SEDIMENTARY ROCKS;THERMAL CONDUCTIVITY; IGNEOUS ROCKS;METAMORPHIC ROCKS;CRYSTALS;GLASS

4435 PRACTICAL GEOPHYSICS FOR STUDY, RESEARCH, AND PRACTICE. Meisser, O. Dresden, Germany; German Democratic Republic; Theodore Steinkopff (1943). 368p.
GEOPHYSICS;EDUCATION;GEOPHYSICAL SURVEYS; MEASURING METHODS;MANUALS;MEASURING INSTRUMENTS

4436 PYRITE GEO-THERMOMETER. Smith, F.D. Econ. Geol.; 42: No. 6, 515-23(1947).
PYRITES;TEMPERATURE MEASUREMENT;HYDROSTATICS; CRYSTALLIZATION;FORMATION HEAT;THERMOELECTRIC PROPERTIES;INCLUSIONS;LIQUIDS;GEOTHERMOMETRY

4437 GEOLOGY OF MINERAL SPRINGS. Raguin, E. 2nd Edition. Paris; France; Masson (1949). 641p.
HOT SPRINGS;GEOLOGY;THERMAL WATERS;CHEMICAL COMPOSITION;PHYSICAL PROPERTIES

4438 DETERMINATION OF THE COEFFICIENT OF LINEAR THERMAL EXPANSION OF ROCK SPECIMENS BY MEANS OF RESISTANCE WIRE (SR-4) STRAIN GAUGES. Moyd, L.S. Min. Eng. (London); 187: 683-4(1950).
ROCKS;THERMAL EXPANSION;MEASURING METHODS; STRAIN GAGES

4439 ORIGIN OF THE 'EPITHERMAL' MINERAL DEPOSITS. Schmitt, H. Econ. Geol.; 45: No. 3, 191-200(1950).
GEOLOGIC DEPOSITS;MINERALOGY;MINERALS;ORIGIN; HOT SPRINGS;FUMAROLIC FLUIDS;GEOLOGY;GEOLOGIC FAULTS

4440 RELATION OF FACTORS AFFECTING GROUND AND ROCK TEMPERATURE AT SHALLOW DEPTHS. Lovering, T.S.; Goode, H.D. Econ. Geol.; 46: 804(1951).
GEOTHERMAL GRADIENTS;MEASURING METHODS; TEMPERATURE MEASUREMENT;TEMPERATURE DISTRIBUTION;TEMPERATURE GRADIENTS;ROCKS;SOILS; ACCURACY

4441 PRELIMINARY REPORT OF THE STUDIES ON THE PYRITE GEOTHERMOMETER. Shozo, H. Res. Inst. Nat. Res., Misc. Rpt.; No. 24, 28-33(1951). (In Japanese with English summary).
PYRITES;THERMOELECTRIC PROPERTIES; GEOTHERMOMETERS;GEOTHERMOMETRY

4442 FELDSPAR GEOLOGIC THERMOMETERS. Barth, T.F.W. Neues Jahrb. Mineral., Abh.; 52: No. 1-2, 143-54(1951).
GEOTHERMOMETRY;GEOTHERMOMETERS;FELDSPARS; GEOLOGY;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;GRANITES;CRYSTALLIZATION;PEGMATITES; MAGMA

4443 PRINCIPLES OF GEOLOGY. Gilluly, J.; Waters, A.C.; Woodford, A.O. San Francisco, CA; United States of America (USA); W.H. Freeman (1951). 631p.
VOLCANIC REGIONS;FUMAROLES;GEYSERS;HOT SPRINGS;GEOLOGY

4444 CALCULATION OF VOLCANIC STEAM JET VAPOR. Codegone, C. Ing. Ferroviaria; 7: 273-6(1952). (English abstract).
VOLCANOES;NATURAL STEAM;FLOW RATE;NUMERICAL SOLUTION;FLUID FLOW;PIPES

4445 ROLE OF WATER IN THE THERMAL REGIME OF SURFACE LAYERS. Goguel, J. Acad. Sci. Compt. Rend.; 237: No. 1, 81-2(1953).
EARTH CRUST;GEOTHERMAL GRADIENTS;WATER; CONVECTION;VAPOR CONDENSATION

4446 EMPIRICAL EVALUATION OF THE PROPERTIES OF STEAM AT ELEVATED TEMPERATURES AND PRESSURES. Lemmon, A.W., Jr.; Daniels, D.J.; Sparrow, D.E.; Geankoplis, C.J.; Ward, J.J.; Clegg, J.W. Battelle Memorial Inst., No. 858. Columbus, OH; United States of America (USA); Battelle Memorial Inst. (1953). 64p.
STEAM;ENTHALPY;SPECIFIC HEAT;VISCOSITY; THERMAL CONDUCTIVITY;HIGH TEMPERATURE;VERY HIGH TEMPERATURE;HIGH PRESSURE

4447 FES--ZNS SYSTEM - GEOLOGICAL THERMOMETER. Kullerud, G. Nor. Geol. Tidsskr.; 32: No. 2-4, 61-147(1953).
IRON SULFIDES;ZINC SULFIDES;GEOTHERMOMETRY; SOLUBILITY;MINERALIZATION;GEOTHERMOMETERS; PERFORMANCE

4448 USE OF CALCIC PLAGIOCLASES IN GEOLOGIC THERMOMETRY. Laves, F.; Goldsmith, J.R. J. Geol.; 62: 405-8(1954).
FELDSPARS;GEOTHERMOMETRY;VERY HIGH TEMPERATURE;METAMORPHISM;TEMPERATURE DEPENDENCE

4449 STUDY OF THERMAL CONVECTION AND ITS POSSIBLE RELATION TO THE CIRCULATION OF FLUIDS IN THE EARTH. Schulz, D. Trans. Am. Geophys. Union; 35: No. 2, 381(1954).
EARTH CRUST;FLUID FLOW;NATURAL CONVECTION; WATER;TEMPERATURE GRADIENTS;SEDIMENTS;HYDROLOGY

4450 PRINCIPLES OF GEOLOGY. Lyell, C. 9th Edition. New York; United States of America (USA); D. Appleton Co. (1854). 834p.
HOT SPRINGS;THERMAL WATERS;GEYSERS;GEOLOGY; HEAT

4451 THERMAL CONDUCTIVITY OF WATER/STEAM. Venart, J.E.S. pp 237-45 of Advances in thermophysical properties at extreme temperatures and pressures. New York; ASME (1955).
THERMAL WATERS;STEAM;THERMAL CONDUCTIVITY; MEASURING METHODS;HIGH TEMPERATURE;HIGH PRESSURE

4452 GEOLOGIC THERMOMETRY. Ingerson, E. pp 465-88 of Geological Society of America special paper 62. Washington, DC; Geological Society of America (1955).
TEMPERATURE MEASUREMENT;MEASURING METHODS; GEOTHERMOMETRY;COMPARATIVE EVALUATIONS;ISOTOPE RATIO

4453 CRYSTAL CAVITIES AND THEIR LIQUID INCLUSIONS. SIGNIFICANCE IN THE GENESIS OF MINERAL DEPOSITS AND ROCKS. Deicha, G.A. Paris; France; Masson Cie (1955). 126p.
ORIGIN;INCLUSIONS;CRYSTALS;CAVITIES;GEOLOGY; GEOTHERMOMETRY;MINERALS;ROCKS;HYDROTHERMAL SYSTEMS

4454 THERMAL CONDUCTIVITY AND MINERAL COMPOSITION OF SOME TRANSVAAL ROCKS. Carte, A.E. Am. J. Sci.; 253: No. 8, 482-90(1955).
TRANSVAAL;PETROLOGY;ROCKS;THERMAL CONDUCTIVITY;HYDROTHERMAL ALTERATION;IGNEOUS ROCKS;POROSITY;TEMPERATURE DEPENDENCE;MINERALS; FELDSPARS

4455 COLD OR HOT. Vayrynen, H. Geol.; 7: No. 7, 45-8(1955).
Heat production. EARTH CRUST;TEMPERATURE DISTRIBUTION;GEOLOGICAL SURVEYS;GEOCHEMICAL SURVEYS;METEORITES;RADIOACTIVITY

4456 INVESTIGATIONS UNDER HYDROTHERMAL CONDITIONS. Roy, R.; Tuttle, O.F. pp 138-80 of Physics and chemistry of the Earth, Volume 1. Ahrens, L.H.; Rankama, K.; Runcorn, S.K. (eds.). London; Pergamon Press (1956).
EARTH CRUST;GEOPHYSICS;GEOCHEMISTRY; HYDROTHERMAL SYSTEMS;TEMPERATURE MEASUREMENT; METAMORPHISM;MINERALS

4457 LABORATORY MEASUREMENTS OF HEAT CONDUCTIVITY OF SEDIMENTARY ROCKS. Zierfuss, H.; Vander Vliet, G. Am. Assoc. Pet. Geol. Bull.; 40: No. 10, 2475-88(1956).
SEDIMENTARY ROCKS;THERMAL CONDUCTIVITY; POROSITY

4458 CHEMICAL ELEMENTS IN HOT SPRINGS, AN INTERPRETATION ON CORRELATIONS BETWEEN TEMPERATURE AND CHEMICAL ELEMENTS. Seno, K. Onsen Kagaku; 7: No. 3, 100-2(1956). (In Japanese with English summary).
HOT SPRINGS;CHEMICAL COMPOSITION;TEMPERATURE

DEPENDENCE;MIXING;THERMAL WATERS

4459 ROLE OF VOLCANOES AND THERMAL SPRINGS IN THE ENERGY BALANCE OF THE CRUST OF THE EARTH. Lyutikh, Ye. Izv. Akad. Nauk SSSR, Ser. Geogr. Geofiz.; No. 1, 92-4(1956).
EARTH CRUST;ENERGY BALANCE;FUMAROLIC FLUIDS; SOLFATARAS;HOT SPRINGS;GEYSERS;VOLCANOES;HEAT TRANSFER

4460 STEADY-STATE METHOD FOR THE RAPID MEASUREMENT OF THE THERMAL CONDUCTIVITY OF ROCKS. Beck, A.E. J. Sci. Instrum.; 34: No. 5, 186-9(1957).
ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS; ACCURACY

4461 CHEMICAL EQUILIBRIUM IN MAGMATIC GASES. Ellis, A.J. Am. J. Sci.; 255: No. 6, 416-31(1957).
FUMAROLIC FLUIDS;CHEMICAL STATE;EQUILIBRIUM; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE; WATER;SULFUR;CARBON DIOXIDE;HYDROGEN;CHEMICAL COMPOSITION

4462 PRINCIPLES OF GEOCHEMISTRY. Mason, B. 2nd Edition. London; United Kingdom of Great Britain and Northern Ireland (UK); John Wiley and Sons (1958). 310p.
Book. GEOCHEMISTRY;EARTH PLANET;IGNEOUS ROCKS;SEDIMENTARY ROCKS;METAMORPHIC ROCKS; CRYSTAL STRUCTURE;BIOSPHERE;EARTH ATMOSPHERE; HYDROSPHERE;UNIVERSE

4463 MEASUREMENT OF THE THERMAL CONDUCTIVITY OF ROCKS BY OBSERVATIONS ON DIVIDED BAR APPARATUS. Beck, A.E.; Beck, J.M. Trans. Am. Geophys. Union; 39: No. 6, 1111-23(1958).
ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS; MEASURING INSTRUMENTS;TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE;ACCURACY;GRAIN SIZE

4464 THERMAL CONDITIONS IN THE VICINITY OF A HYDROTHERMAL VEIN. Laffitte, P. Acad. Sci. Compt. Rend.; T. 246: No. 14, 2148-2151(1958).
Mathematical analysis. HYDROTHERMAL SYSTEMS; TEMPERATURE DISTRIBUTION;HEAT TRANSFER;THERMAL WATERS;SOLUBILITY;FLUID FLOW;MATHEMATICAL MODELS;NUMERICAL SOLUTION;ROCKS;HYDROTHERMAL ALTERATION;ORES;GEOLOGIC DEPOSITS

4465 LUNAR AND TERRESTRIAL VOLCANISM, ORIGIN OF THE CONTINENTS, OCEANS, AND ATMOSPHERES, GEOTHERMAL ENERGY. Dauvillier, A. Paris; France; Albin Michel (1958). 300p.
Book. GEOTHERMAL RESOURCES;VOLCANOES; GEOCHEMISTRY;MOON;COSMOLOGY;LITHOLOGY; GEOTHERMAL ENERGY

4466 THERMAL CONVECTION IN EARTH'S MANTLE. Latynin, L.A. Izv. Akad. Nauk SSSR, Ser. Geol.; 23: No. 9, 1085-98(Sep 1958).
EARTH CRUST;HEAT TRANSFER;CONVECTION

4467 COEFFICIENT OF THERMAL CONDUCTIVITY IN EARTH'S CRUST. Zharkov, V.N. Izv. Akad. Nauk SSSR, Ser. Geol.; 23: No. 11, 1342-50(Nov 1958).
EARTH CRUST;THERMAL CONDUCTIVITY;HEAT TRANSFER;PRESSURE GRADIENTS;TEMPERATURE DEPENDENCE

4468 APPARATUS FOR DETERMINATION OF THERMAL CURRENTS. Kolesnikov, A.G.; Speranskaya, A.A. Izv. Akad. Nauk SSSR, Ser. Geol.; 23: No. 11, 1351-9(Nov 1958).
HEAT TRANSFER;EARTH CRUST;SNOW;ICE;SOILS; GROUND WATER;HEAT FLOW;MEASURING INSTRUMENTS

4469 PHYSICS AND GEOLOGY. Jacobs, J.A.; Russell, R.D.; Wilson, J.T. New York; United States of America (USA); McGraw-Hill Book Co. (1959). 424p.
Book. GEOLOGY;GEOPHYSICS;EARTH CRUST;SOLAR SYSTEM;SEISMOLOGY;GRAVITATIONAL FIELDS; GEOMAGNETIC FIELD;EARTH ATMOSPHERE;AGE ESTIMATION;ISOTOPES;SEAS;GLACIERS;GEOLOGIC FAULTS

4470 THEORY OF INVESTIGATION OF BOREHOLES BY THE METHOD OF ARTIFICIAL THERMAL FIELD. Glyuzman, A.M. Sverdlovsk. Gorny Inst. Trudy, Voprosy Razved. Geofiz.; No. 34, 20-7(1959).
BOREHOLES;RADIANT HEAT TRANSFER;TEMPERATURE DISTRIBUTION;ROCKS;THERMAL CONDUCTIVITY; MATHEMATICAL MODELS;DIFFERENTIAL EQUATIONS

4471 SYSTEM WATER-CARBON DIOXIDE AT HIGH TEMPERATURES AND PRESSURES. Malinin, S.D. Geokhimiya; No. 3, 235-45(1959).
WATER;CARBON DIOXIDE;HIGH TEMPERATURE;HIGH PRESSURE;GEOTHERMAL FLUIDS;CALCIUM CHLORIDES; EQUILIBRIUM;CHEMICAL REACTION KINETICS

4472 INTRODUCTION TO GEOPHYSICS. Howell, B.F., Jr. New York; United States of America (USA); McGraw Hill Book Co. (1959). 399p.
Textbook. GEOPHYSICS;EARTH PLANET;MOON;AGE ESTIMATION;GEOTHERMAL GRADIENTS;EARTH CRUST; SEISMOLOGY;TECTONICS;GEOLOGY;GEOMAGNETIC FIELD

4473 DISSIPATION OF THE TEMPERATURE EFFECT OF DRILLING A WELL IN ARCTIC ALASKA. Lachenbruch, A.H.; Brewer, M.C. pp 73-109 of US Geological Survey Bulletin 1083-C. Washington, DC; US Geol. Surv. (1959).
ALASKA;BOREHOLES;WELL DRILLING;HEAT TRANSFER; TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS; MATHEMATICAL MODELS;TIME DEPENDENCE;THERMAL DIFFUSION;THERMAL EQUILIBRIUM

4474 USE OF COMPLETE TEMPERATURE-TIME CURVES FOR THE DETERMINATION OF THERMAL CONDUCTIVITY WITH PARTICULAR REFERENCE TO ROCKS. Jaeger, J.C. Aust. J. Phys.; 12: No. 3, 203-17(1959).
ROCKS;THERMAL CONDUCTIVITY;THERMAL DIFFUSIVITY;MEASURING METHODS;TEMPERATURE MEASUREMENT

4475 AG_2S AND AG_2SE TRANSITIONS AS GEOLOGIC THERMOMETERS. Roy, R.; Majumdar, A.J.; Hulbe, C.W. Econ. Geol.; 4: No. 7, 1278-80(1959).
GEOTHERMOMETERS;SILVER SULFIDES;SILVER COMPOUNDS;PRESSURE DEPENDENCE;TEMPERATURE MEASUREMENT;GEOTHERMOMETRY;TRANSITION TEMPERATURE;SELENIDES

4476 CERTAIN SPECULATIONS ABOUT THE HEAT FLOW FROM BELOW. Nanda, J.N. pp 44-6 of Preprints, 1st International Oceanography Congress. Int. Oceanog. Cong. (1959).
HEAT FLOW;SEDIMENTARY ROCKS;RADIOACTIVITY; GRANITES;SEAS;EARTH CRUST

4477 SOLUBILITY OF CALCITE IN CARBON DIOXIDE SOLUTIONS. Ellis, A.J. Am. J. Sci.; 257: No. 5, 354-65(1959).
CALCITE;SOLUBILITY;WATER;CARBON DIOXIDE;

MEDIUM PRESSURE;MEDIUM TEMPERATURE;HIGH TEMPERATURE;CHEMICAL REACTION KINETICS;AQUEOUS SOLUTIONS

4478 PROPERTIES OF ROCKS UNDER HIGH PRESSURE AND TEMPERATURE. Hughes, D. pp 308-24 of Methods and techniques in geophysics, Volume 1. New York; Interscience Publishers, Inc. (1960).
ROCKS;PHYSICAL PROPERTIES;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;DEFORMATION; THERMAL CONDUCTIVITY;ELECTRIC CONDUCTIVITY; MAGNETIC PROPERTIES;EARTH CRUST;GEOPHYSICS

4479 THERMAL CHARACTERISTICS OF POROUS ROCKS AT ELEVATED TEMPERATURES. Somerton, W.H.; Boozer, G.D. J. Pet. Technol.; 12: No. 6, 77-81(1960).
SEDIMENTARY ROCKS;THERMAL DIFFUSIVITY; TEMPERATURE DEPENDENCE;THERMAL CONDUCTIVITY; MEDIUM TEMPERATURE;HIGH TEMPERATURE;ULTRAHIGH TEMPERATURE

4480 SIGNIFICANCE OF DATA ON THE RADIOACTIVITY AND HEAT CONDUCTIVITY OF ROCKS IN METALLOGENIC INVESTIGATIONS. Smyslov, A.A. Izv. Akad. Nauk SSSR, Ser. Geol.; No. 7, 32-45(1960).
EARTH CRUST;ROCKS;RADIOACTIVITY;THERMAL CONDUCTIVITY;SPATIAL DISTRIBUTION;IGNEOUS ROCKS; MAGMA;SEDIMENTS;TEMPERATURE MEASUREMENT

4481 METHODS AND TECHNIQUES IN GEOPHYSICS. VOLUME 1. Runcorn, S.K. (ed.). New York; United States of America (USA); Interscience Publishers (1960). 374p.
EARTH CRUST;TEMPERATURE GRADIENTS;HEAT FLOW; ROCKS;BOREHOLES;GEOPHYSICAL SURVEYS;GEOMAGNETIC FIELD;MOTION;SEAS;GRAVITY SURVEYS;MAGNETIC PROPERTIES;GEOPHYSICS;MEASURING METHODS

4482 MORDENITE SYNTHESIS IN A NATURAL HYDROTHERMAL SOLUTION. Ellis, A.J. Geochim. Cosmochim. Acta; 19: No. 2, 145-146(1960).
HYDROTHERMAL SYSTEMS;ZEOLITES;DEPOSITION; CRYSTALLIZATION;MEDIUM TEMPERATURE;TEMPERATURE DEPENDENCE;PH VALUE;THERMAL WATERS;MORDENITE; SYNTHESIS

4483 EFFECTS OF STRAIN RATE AND TEMPERATURE ON THE BEHAVIOR OF ROCKS SUBJECTED TO TRIAXIAL COMPRESSION. Sedengecti, S.; Boozer, G.D. pp 83-97 of Proceedings of 4th Symposium of Rock Mechanics, 1961, Penn. State Univ., Mineral Indust. Expt. Sta. Bulletin 76. Penn. State Univ., Mineral Indust. Expt. Sta. (1961).
LIMESTONE;SANDSTONES;STRAINS;FRACTURE PROPERTIES;COMPRESSION STRENGTH;TEMPERATURE DEPENDENCE

4484 SOME EXPERIMENTS ON THERMAL SHOCK FRACTURE OF ROCKS. Uyeda, S.; Yabu, T. Tokyo Univ. Earthquake Res. Inst. Bull.; 39, Pt. 4: 593-601(1961). (Japanese abstract).
BASALT;THERMAL SHOCK;THERMAL STRESSES; FRACTURE PROPERTIES;STRAINS;VOLCANOES

4485 ADDITIONAL THERMAL DATA FOR POROUS ROCKS-THERMAL EXPANSION AND HEAT OF REACTION. Somerton, W.H. AIME, Soc. Petrol. Engr. J.; 1: No. 4, 249-53(1961).
SANDSTONES;THERMAL EXPANSION;REACTION HEAT; SHALES;LIMESTONE;SPECIFIC HEAT;QUARTZ; DEFORMATION;POROSITY

4486 RELATIONSHIP BETWEEN GEOTHERMAL REGIMEN OF THE SEDIMENTARY COVER AND THE STRUCTURE OF THE CRYSTALLINE BASEMENT. Druzhinin, A.V. Geol. Nefti Gaza; No. 3, 44-8(1961).
GEOTHERMAL GRADIENTS;SEDIMENTARY ROCKS;ROCKS; GEOLOGY;GEOLOGIC FAULTS;LITHOLOGY;HYDROLOGY; EARTH CRUST;GEOTHERMAL FIELDS;SURFACES

4487 PRELIMINARY STUDY OF THE SOLUBILITY OF BASALT IN HIGH-TEMPERATURE WATER. Hyama, J.T. Bull. Soc. Fr. Miner.; 84: No. 2, 128-30(1961).
BASALT;SOLUBILITY;SILICON OXIDES;SODIUM OXIDES;CARBON DIOXIDE;CALCIUM OXIDES; HYDROTHERMAL ALTERATION;METAMORPHISM;HIGH TEMPERATURE;TEMPERATURE DEPENDENCE;VOLCANIC ROCKS;WATER;THERMAL WATERS;SOLVENT PROPERTIES

4488 GEOTHERMAL STUDIES. Clark, S.P., Jr. pp 185-90 of Carnegie Inst., Washington, Geophys. Lab., Ann. Report. Dir., 1960-61 Report; Yearbook 1960. Washington,; Carnegie Inst. (1961).
EARTH CRUST;HEAT FLOW;DECAY;AUSTRIA; RADIOACTIVITY;HEAT

4489 THERMAL CONDUCTIVITY OF POROUS MEDIA. CONSOLIDATED ROCKS. Woodside, W.; Messmer, J.H. J. Appl. Phys.; 32: No. 9, 1699-1706(1961).
SANDSTONES;ROCKS;THERMAL CONDUCTIVITY; POROSITY;LIQUIDS;PRESSURE DEPENDENCE;GASES;TWO-PHASE FLOW;DATA

4490 THERMAL CONDUCTIVITY OF POROUS MEDIA. UNCONSOLIDATED SANDS. Woodside, W.; Messmer, J.H. J. Appl. Phys.; 32: No. 9, 1688-99(1961).
SAND;THERMAL CONDUCTIVITY;POROSITY;PARTICLES; GLASS;LEAD;FLUIDS;SATURATION

4491 TEMPERATURE DISTRIBUTION AND THE POSSIBILITY OF THE EXISTENCE OF A MAGMA POCKET IN THE UPPER MANTLE OF THE EARTH. Shimozura, D. Zisin; 14: No. 4, Ser. 2, 227-42(1961). (In Japanese with English abstract).
EARTH CRUST;CRYSTALS;TEMPERATURE DISTRIBUTION;POISSON RATIO;GEOTHERMAL GRADIENTS; SHEAR PROPERTIES;DEPTH;MAGMA

4492 INVESTIGATION ON THE THERMAL CONDUCTIVITY OF POROUS MATERIALS AND ITS APPLICATION TO POROUS ROCK. Sugawara, A.; Yoshizawa, Y. Aust. J. Phys.; 14: No. 4, 469-80(1961).
ROCKS;POROSITY;THERMAL CONDUCTIVITY; TEMPERATURE DEPENDENCE;NUMERICAL SOLUTION; MATHEMATICAL MODELS;DATA;SANDSTONES

4493 INTERNAL TEMPERATURE OF THE EARTH. Schneiderov, A.J. Boll. Geofis. Teor. Appl.; 3: No. 10, 137-59(1961).
EARTH PLANET;GEOPHYSICS;COSMIC RADIATION; EARTH CRUST;GEOTHERMAL GRADIENTS;GRAVITATION; NUMERICAL SOLUTION;TEMPERATURE GRADIENTS

4494 COMMENTS ON THE 'TWO-FELDSPAR GEOTHERMOMETER' AND K-FELDSPAR OBLIQUITY. Dietrich, R.V. pp 15-20 of Inst. 'Lucas Mallada' Inv. Geol., Cursillos, Conf., F. 8. Cursillos; Inst. 'Lucas Mallada' Inv. Geol. (1961).
GEOTHERMOMETERS;RELIABILITY;PERFORMANCE; GEOTHERMOMETRY;FELDSPARS

4495 HEAT CAPACITY C/SUB V/ OF WATER AND

WATER VAPOUR AT HIGH TEMPERATURES AND HIGH PRESSURES. Amirkhanov, Kh.I.; Kerimov, A.M. Dokl. Akad. Nauk SSSR; 139: No. 2, 398-401(1961).
50-500°C, up to 800 atm, two-phase system.
SPECIFIC HEAT;WATER;WATER VAPOR;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE

4496 USE OF OXYGEN ISOTOPES IN HIGH-TEMPERATURE GEOLOGICAL THERMOMETRY. Clayton, R.N.; Epstein, S. J. Geol.; 69: No. 4, 447-452(1961).
MINERALS;THERMAL WATERS;HYDROTHERMAL SYSTEMS; OXYGEN ISOTOPES;ISOTOPE RATIO;GEOTHERMOMETRY; CALCITE;QUARTZ;WATER;HEMATITE

4497 THERMAL STATE OF THE EARTH. Crowe, C. Mineral Indust.; 31: No. 5, 1-8(1962).
EARTH CRUST;HEAT FLOW;MEASURING METHODS; GEOTHERMAL GRADIENTS;THERMAL CONDUCTIVITY; DIFFUSION;ERRORS;ROCKS;SEDIMENTS;MEASURING INSTRUMENTS;SEAS;CALIBRATION;PRESSURE DEPENDENCE

4498 TEMPERATURE GRADIENTS IN THE UPPER LAYERS OF THE EARTH'S CRUST DUE TO CONVECTIVE WATER FLOWS. Donaldson, I.G. J. Geophys. Res.; 67: No. 9, 3449-59(1962).
GEOTHERMAL GRADIENTS;EARTH CRUST;LAYERS; CONVECTION;LIQUID FLOW;GROUND WATER;HEAT

4499 ANALYSIS OF SURFACE TEMPERATURE SURVEYS. Drummond, J.E.; McNabb, A. N. Z. J. Geol. Geophys.; 5: No. 1, 3-17(1962).
MAPS;TEMPERATURE GRADIENTS;GEOTHERMAL EXPLORATION;POISSON EQUATION;INSTABILITY; TEMPERATURE MEASUREMENT;UNDERGROUND

4500 EXPERIMENTAL INVESTIGATIONS OF THE PHYSICAL PROPERTIES OF ROCKS AT HIGH PRESSURES AND TEMPERATURES. Lebedev, T.S.; Korniyets, D.V. Akad. Nauk USSR, Inst. Geofiz., Sbornik; No. 2, 118-22(1962).
ROCKS;PHYSICAL PROPERTIES;HIGH PRESSURE;HIGH TEMPERATURE;MEETINGS

4501 APPLICATIONS OF CYLINDRICAL THERMAL PROBE THEORY TO THE DETERMINATION OF THERMAL CONSTANTS. Crowe, C.; Moench, A.F.; Taylor, P.T. pp 199-215 of Penn. State University Mineral Indust. Expt. Sta. Circular 63. Penn. State Univ. (1962).
ROCKS;THERMAL CONDUCTIVITY;THERMAL DIFFUSIVITY;MEASURING INSTRUMENTS;ACCURACY

4502 EXPERIMENTAL INVESTIGATION ON THE THERMAL CONDUCTIVITY OF CONSOLIDATED POROUS MATERIAL. Sugawara, A.; Yoshizawa, Y. J. Appl. Phys.; 33: No. 10, 3135-8(1962).
SANDSTONES;BRICKS;POROSITY;THERMAL CONDUCTIVITY;FLUIDS;SATURATION;DATA

4503 FIRST DETERMINATION OF THE THERMAL CONDUCTIVITY OF CLAYS BY MEANS OF A CYLINDRICAL PROBE. Mongelli, F. Boll. Geofis. Teor. Appl.; 4: No. 13, 47-51(1962). (English abstract).
CLAYS;THERMAL CONDUCTIVITY;MEASURING METHODS; HEAT TRANSFER;TIME DEPENDENCE

4504 HEAT TRANSFER IN POROUS ROCKS THROUGH WHICH SINGLE-PHASE FLUIDS ARE FLOWING. Adivarahan, P.; Kunii, D.; Smith, J.M. Soc. Pet. Eng. J.; 2: No. 3, 290-6(1962).
ROCKS;THERMAL CONDUCTIVITY;FLUID FLOW; MEASURING METHODS;HEAT TRANSFER;POROSITY; SANDSTONES

4505 VARIATIONS OF THE HEAT CONDUCTIVITY COEFFICIENT IN ROCK SAMPLES UNDER PRESSURE. Dvorak, Z. Freiberger Forschungsch., C; 126: 49-51(1962).
MINES;ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS;TEMPERATURE GRADIENTS;TIME DEPENDENCE; PRESSURE DEPENDENCE;STRESSES

4506 COMMENTS ON 'COMMENTS ON THE TWO-FELDSPAR GEOTHERMOMETER' BY P.M. ORVILLE. Allman, R.; Hellner, E.; Barth, T.F.W. Nor. Geol. Tidsskr.; 42: No. 4, Pt. 2, 346-8(1962).
TEMPERATURE MEASUREMENT;GEOTHERMOMETERS; FELDSPARS;GEOTHERMOMETRY

4507 FRACTURE OF ROCKS. Mogi, K. Volcanol. Soc. Jap. Bull.; 7: No. 2-3, Ser. 2, 89-101(1962). (In Japanese with English summary).
ROCKS;EARTH CRUST;FRACTURE PROPERTIES; STRESSES;EARTHQUAKES;TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE

4508 OBSERVATIONS ON NATURAL FELDSPARS, RANDOMLY DISORDERED STRUCTURES AND A PRELIMINARY SUGGESTION TO A PLAGIOCLASE THERMOMETER. Christie, O.H.J. Nor. Geol. Tidsskr.; 42: No. 4, Pt. 2, 383-8(1962).
FELDSPARS;GEOTHERMOMETRY;GEOTHERMOMETERS

4509 ABOUT WATER AND BASALTIC MAGMA. Khitarov, N.I. Bull. Volcanol.; 24: 101-8(1962).
MAGMATIC WATER;CHEMICAL COMPOSITION;MINERALS; MAGMA;HYDROTHERMAL ALTERATION;LAVA;BASALT

4510 PROBABLE CAUSE OF VARIATIONS OF THE GEOTHERMAL STEP WITH DEPTH. Tsaturyants, A.B.; Ter-Karapetyants, Zh.N. Izv. Akad. Nauk Azerb. SSR, Ser. Geol.-Geog. Nauk, Nefti; No. 3, 147-55(1962).
USSR;GEOTHERMAL GRADIENTS;TEMPERATURE MEASUREMENT;SURFACE WATERS;COOLING;VARIATIONS

4511 HIGH-TEMPERATURE ISOTOPIC THERMOMETRY. Clayton, R.N. pp 185-95 of National Research Council Publication 1075. Nuclear Science Series Report 38. Washington, DC; National Research Council (1963).
OXYGEN ISOTOPES;EQUILIBRIUM;ISOTOPE RATIO; ISOTOPIC EXCHANGE;MAGMA;IGNEOUS ROCKS; METAMORPHIC ROCKS;HYDROTHERMAL ALTERATION; CRYSTALLIZATION;GEOTHERMOMETRY;MINERALS; GEOTHERMOMETERS;ACCURACY

4512 OPTIMUM VALUES OF HIGH PRESSURES AND TEMPERATURES IN INVESTIGATIONS OF THE PHYSICAL PARAMETERS OF THE MATTER OF THE EARTH'S CRUST. Lebedev, T.S.; Korniyets, D.V. Geofiz. Sb., Akad. Nauk Ukr. SSR, Inst. Geofiz.; No. 4, 14-18(1963).
EARTH CRUST;PHYSICAL PROPERTIES;HIGH PRESSURE;HIGH TEMPERATURE;VERY HIGH TEMPERATURE

4513 INVESTIGATION OF THE ELECTRICAL CONDUCTIVITY OF ROCKS AT HIGH TEMPERATURES. Moiseyenko, U.P.; Istomin, V.Ye. Akad. Nauk SSSR, Sibir. Otdel., Geol., Geofiz.; No. 8, 106-9(1963).
Dunite, olivenite, granite, pyroxenite.
ROCKS;ELECTRIC CONDUCTIVITY;TEMPERATURE DEPENDENCE;VERY HIGH TEMPERATURE;EARTH CRUST;

GEOPHYSICAL SURVEYS;GRANITES

4514 CONDUCTIVITY VARIATIONS AND TERRESTRIAL HEAT-FLOW DISTRIBUTION. McBirney, A.R. J. Geophys. Res.; 68: No. 23, 6323-9(1963).
EARTH CRUST;HEAT FLOW;THERMAL CONDUCTIVITY; MAGMA

4515 GEOTHERMAL GRADIENT IN THE P-T FIELD OF METAMORPHIC FACIES. Troger, W.E. Beitr. Mineral., Petrog.; 9: No. 1, 1-12(1963). (English summary).
SILICATES;METAMORPHISM;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;GEOTHERMAL GRADIENTS;EQUILIBRIUM

4516 GEOPHYSICAL EVIDENCE ON THE NATURE OF MAGMAS AND INTRUSIONS ASSOCIATED WITH RIFT VALLEYS. Girdler, R.W. Bull. Volcanol.; 26: 37-47(1963).
EARTH CRUST;HEAT FLOW;GEOLOGIC FAULTS;BASALT; GEOPHYSICS;MAGMA

4517 APPLICATION OF THERMOLUMINESCENCE OF GEOTHERMOMETRY. MacDiarmid, R.A. Econ. Geol.; 58: No. 8, 1218-28(1963).
GEOTHERMOMETRY;THERMOLUMINESCENCE;ROCKS; HYDROTHERMAL ALTERATION;METAMORPHISM

4518 APPARATUS FOR RAPID DETERMINATION OF HEAT CONDUCTIVITY OF POOR CONDUCTORS. Zierfuss, H. J. Sci. Instrum.; 40: No. 2, 69-71(Feb 1963).
THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS; SEDIMENTARY ROCKS;COPPER;TEMPERATURE MEASUREMENT;MEASURING METHODS

4519 HEAT FLOW DATA ANALYSIS. Lee, W.H.K. Revista Geografica 1: No. 3, 449-79(Aug 1963).
EARTH CRUST;HEAT FLOW;DATA ACQUISITION;DATA PROCESSING;COMPUTER CODES

4520 CORRELATIVE GEOTHERMOMETRIC MINERAL STUDY. Liese, H.C. Am. J. Sci.; 262: No. 2, 223-30(1964).
MINERALS;TEMPERATURE MEASUREMENT;TITANIUM; ORDER-DISORDER TRANSFORMATIONS;FELDSPARS; SILICON OXIDES;UTAH;NEVADA;GEOTHERMOMETRY; IGNEOUS ROCKS;ALUMINIUM;BIOTITE

4521 THERMAL CONDUCTIVITY OF STEAM. Keyes, F.G.; Vines, R.G. Int. J. Heat Mass Transfer; 7: No. 1, 33-40(1964).
STEAM;THERMAL CONDUCTIVITY;MEASURING METHODS; HIGH TEMPERATURE;HIGH PRESSURE

4522 THERMAL CONDUCTIVITY OF SERPENTINITE FROM MAYAGUEZ, PUERTO RICO, AND OTHER LOCALITIES. Diment, W.H. pp 92-106 of National Academy of Sciences, National Research Council Publication 1188. Washington, DC; Natl. Acad. Sci., Natl. Res. Council (1964).
SERPENTINE;THERMAL CONDUCTIVITY;PUERTO RICO; POROSITY;ROCKS;GEOLOGY

4523 FUNDAMENTALS OF HEAT TRANSFER. Kutateladze, S.S. New York; United States of America (USA); Academic Press (1964). 504p.
Book. HEAT TRANSFER;FLUID FLOW;HYDRODYNAMICS; FLOW RATE;MASS TRANSFER;BOILING;VAPOR CONDENSATION

4524 ALTERATION OF ROCK BY VOLCANIC GAS IN JAPAN. Iwasake, I. Bull. Volcanol.; 27: 65-78(1964).
VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; FUMAROLIC FLUIDS;JAPAN;SILICON OXIDES;ALUMINIUM OXIDES

4525 ADIABATIC TEMPERATURE GRADIENT IN EARTH'S MANTLE. Zharkov, V.N. Dokl. Akad. Nauk SSSR; 154: No. 1, 88-90(Jan 1964).
EARTH MANTLE;TEMPERATURE GRADIENTS;ADIABATIC PROCESSES

4526 DEPOSITION OF HYDROTHERMAL QUARTZ AND CALCITE. Sharp, W.E. Econ. Geol.; 60: No. 8, 1635-44(1965).
THERMAL WATERS;QUARTZ;CALCITE;SOLUBILITY; THERMODYNAMIC PROPERTIES;TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE;MEDIUM TEMPERATURE; DEPOSITION

4527 HEAT TRANSFER AND CONVECTION CURRENTS. Tozer, D.C. Philos. Trans. R. Soc. London, Ser. A; No. 1088, 252-71(1965).
EARTH MANTLE;CONVECTION;HEAT TRANSFER; THERMAL CONDUCTION;RADIOACTIVITY;DECAY

4528 REVIEW OF HEAT FLOW DATA. Lee, W.H.K.; Uyeda, S. Amer. Geo. Union., Natl. Acad. Sci., Natl. Res. Council, Geophys. Monograph Ser.; 8: 87-190(1965).
HEAT FLOW;DATA COMPILATION;GEOPHYSICS

4529 ADVANCES IN GEOPHYSICS. VOLUME 11. Landsberg, H.E.; Van Mieghem, J. (eds.). New York; United States of America (USA); Academic Press (1965). 358p.
GEOTHERMAL RESOURCES;WATER RESOURCES;GROUND WATER;AQUIFERS;TEKTITES;EARTH ATMOSPHERE;OZONE; ATMOSPHERIC PRECIPITATIONS;GEOPHYSICS

4530 GEOPHYSICAL DEDUCTIONS FROM OBSERVATIONS OF HEAT FLOW. MacDonald, G.J.F. pp 191-210 of Terrestrial heat flow: American Geophysical Union, Geophysical Monthly No. 8. Lee, W.H.K. (ed.). Washington, DC; Natl. Acad. Sci., Natl. Res. Council (Publ. 1288) (1965).
CHONDRITES;EARTH CRUST;HEAT FLOW;THERMAL CONDUCTIVITY;ROCKS;HEAT;CHEMICAL COMPOSITION; TEMPERATURE DISTRIBUTION;DIAGRAMS;HEAT TRANSFER; TEMPERATURE GRADIENTS;SPATIAL DISTRIBUTION; MATHEMATICAL MODELS;RADIOACTIVITY;MELTING

4531 HISTORICAL INTRODUCTION TO TERRESTRIAL HEAT FLOW. Bullard, E.C. pp 1-6 of Terrestrial heat flow: American Geophysical Union, Geophysical Monthly No. 8. Lee, W.H.K. (ed.). Washington, DC; Natl. Acad. Sci., Natl. Res. Council (Publ. 1288) (1965).
EARTH CRUST;HEAT FLOW

4532 HEAT TRANSFER THROUGH THE OCEAN FLOOR. Lubimova, E.A. pp 78-86 of Terrestrial heat flow: American Geophysical Union, Geophysical Monthly No. 8. Lee, W.H.K. (ed.). Washington, DC; Natl. Acad. Sci., Natl. Res. Council (Publ. 1288) (1965).
EARTH MANTLE;HEAT TRANSFER;HEAT FLOW; VARIATIONS;DISTURBANCES;SEAS;WATER;CONVECTION; LIMNOLOGY;TEMPERATURE GRADIENTS;ACCURACY

4533 TERRESTRIAL HEAT FLOW: AMERICAN GEOPHYSICAL UNION, GEOPHYSICAL MONTHLY NO. 8. Lee, W.H.K. (ed.). Pub. No. 1288. Washington, DC; United States of America (USA); Natl. Acad. Sci., Natl. Res. Council (1965).

276p.
EARTH CRUST;GEOMORPHOLOGY;MATHEMATICAL MODELS;BOUNDARY CONDITIONS;HEAT;HEAT FLOW; REVIEWS

4534 COMPUTING THERMAL CONDUCTIVITIES OF ROCKS FROM CHIPS AND CONVENTIONAL SPECIMENS. Beck, J.M.; Beck, A.E. J. Geophys. Res.; 70: No. 20, 5227-39(15 Oct 1965).
ROCKS;THERMAL CONDUCTIVITY;MINERALS;LAYERS; GRANITES

4535 STEADY HEAT CONDUCTION IN LAYERED MEDIUMS - HALF-SPACE AND SPHERE. Pollack, H.N. J. Geophys. Res.; 70: No. 22, 5645-56(15 Nov 1965).
GEOPHYSICS;EARTH CRUST;GEOLOGIC STRATA; THERMAL CONDUCTIVITY

4536 PHYSICAL PROPERTIES OF STEAM AND WATER ABOVE 1000 PSIA. Logan, D. Contract AT(11-1)-Gen-8. United States of America (USA); North American Aviation, Inc. (1966). 15p.
STEAM;WATER;STEAM GENERATORS;PHYSICAL PROPERTIES;SPECIFIC HEAT;VISCOSITY;THERMAL CONDUCTIVITY;DENSITY

4537 CURRENT TRENDS IN HYDROGEOLOGY. Meyboom, P. Earth-Sci. Rev.; 2: No. 4, 345-64(1966).
HYDROLOGY;GEOLOGY;GROUND WATER;FLOW RATE; HYDRODYNAMICS;HYDROTHERMAL SYSTEMS

4538 MEASUREMENT OF THE SPECIFIC ENTHALPY OF STEAM AT PRESSURES 60 TO 1000 BAR AND TEMPERATURES OF 400-700°C. Angus, S.; Newitt, D.M. Philos. Trans. R. Soc. London, Ser. A; 1098: 107-32(1966).
STEAM;ENTHALPY;HIGH TEMPERATURE;HIGH PRESSURE;MEASURING METHODS

4539 SELECTED PAPERS ON THE THEORY OF THERMAL CONVECTION. Saltzman, B. (ed.). New York; United States of America (USA); Dover Publications, Inc. (1966). 461p.
Book. FLUIDS;EARTH ATMOSPHERE;CONVECTION; STABILITY;HEATING

4540 CHARACTERISTICS OF THERMAL AREAS IN REGIONS OF PRESENT-DAY VOLCANISM. Polyak, B.G. Moskov. Obshch. Isp. Prirody Byull., Otdel. Geol.; 41: No. 2, 130-1(1966).
USSR;VOLCANIC REGIONS;HEAT FLOW;AQUIFERS; HYDROTHERMAL SYSTEMS;ORIGIN;HEAT TRANSFER; METAMORPHISM

4541 NEW VARIETY OF DAGESTAN ALLEVARDITE WITH ONE MOLECULAR LAYER OF INTERSTITIAL WATER. Korolev, Yu.M.; Ivkin, N.M. Dokl. Akad. Nauk SSSR; 169: No. 3, 664-7(1966).
MINERALS;GEOTHERMOMETRY;THERMODYNAMICS; METAMORPHISM;SEDIMENTS

4542 ROCK-ALTERATION IN SOME GEOTHERMAL AREAS OF JAPAN. Seki, Y. Jap. Assoc. Miner., Petrol., Econ. Geol. J.; 55: No. 5, 212-19(1966).
ZEOLITES;METAMORPHISM;FELDSPARS;DRILL CORES; GEOTHERMAL FIELDS;JAPAN;NEW ZEALAND;TEMPERATURE DEPENDENCE;FORMATION HEAT;HYDROTHERMAL ALTERATION;METAMORPHIC ROCKS;ROCKS

4543 Eitel, W. Silicate science-hydrothermal silicate systems. New York; United States of America (USA); Academic Press, Inc. (1966).
HYDROTHERMAL SYSTEMS;SILICATES;INCLUSIONS; MINERALIZATION;DEHYDRATION;HYDRATES;ZEOLITES; GASES;CHEMISORPTION;WATER;CHEMICAL REACTIONS; SILICON OXIDES;GEOCHEMISTRY

4544 BARTH'S FELDSPAR GEOTHERMOMETER - RAPID METHOD. Banham, P.H. Nor. Geol. Tidsskr.; 46: No. 3, 349-52(1966).
ROCKS;CHEMICAL ANALYSIS;FELDSPARS;ABUNDANCE; GEOTHERMOMETRY;MEASURING METHODS

4545 BERYLLIUM CONTENT OF VOLCANIC ROCKS. Shawe, D.R.; Bernold, S. US Geol. Surv. Bulletin 1214-C. Washington, DC; United States of America (USA); US Geol. Surv. (1966). 11p.
VOLCANIC ROCKS;CHEMICAL COMPOSITION; BERYLLIUM;SILICON OXIDES;WATER;TRACE AMOUNTS; FLUORINE;CORRELATIONS;MICROANALYSIS;MINERAL RESOURCES;PROSPECTING;GEOLOGIC DEPOSITS; ABUNDANCE

4546 HEAT FLOW IN THE EARTH. Simmons, G. J. Geol. Educ.; 14: No. 3, 105-10(Jun 1966).
EARTH MANTLE;HEAT FLOW;VARIATIONS;DATA; SPHERICAL HARMONICS;SEAS;MEASURING METHODS; ROCKS;THERMAL CONDUCTIVITY;TEMPERATURE GRADIENTS;MEASURING INSTRUMENTS;THERMISTORS; GEOTHERMAL ENERGY;MINERAL RESOURCES;PROSPECTING

4547 HEATFLOW, ANOMALY HEIGHTS OF GEOIDS AND GEOTECTONICS IN RELATION TO FLUCTUATIONS OF THE DEEP PART OF THE EARTH MANTLE. Wunderlich, H.G. Tectonophysics; 3: No. 3, 187-207(Jun 1966). (In German with English and German abstracts).
EARTH MANTLE;HEAT FLOW;VARIATIONS;DATA; TECTONICS;DISTURBANCES;GEOPHYSICAL SURVEYS

4548 EFFECT OF PRESSURE AND SATURATING FLUID ON THERMAL CONDUCTIVITY OF COMPACT ROCK. Walsh, J.B.; Decker, E.R. J. Geophys. Res.; 71: No. 12, 3053-61(15 Jun 1966).
ROCKS;THERMAL CONDUCTIVITY;PRESSURE DEPENDENCE;HYDROSTATICS;FLUID MECHANICS

4549 GANGUE MINERALS IN HYDROTHERMAL DEPOSITS. Holland, H.D. pp 382-436 (Chap. 9) of Geochemistry of hydrothermal ore deposits. New York, Toronto, London; Holt, Rinehart and Winston (1967).
SODIUM CHLORIDES;QUARTZ;SILICON OXIDES; CARBONATES;SULFATES;FLUORITE;BARITE;CALCIUM FLUORIDES;BARIUM SULFATES;SOLUBILITY;GROUND WATER;CONNATE WATER;HYDROTHERMAL ALTERATION

4550 THERMAL ASPECTS OF ORE FORMATION. Toulmin, P., 3rd; Clark, S.P., Jr. pp 437-64 (Chap. 10) of Geochemistry of hydrothermal ore deposits. New York, Toronto, London; Holt, Rinehart and Winston (1967).
GEOTHERMOMETRY;MIXING;TEMPERATURE GRADIENTS; GEOTHERMAL FLUIDS;GEOLOGIC DEPOSITS;COOLING; PRECIPITATION;HYDROTHERMAL ALTERATION;LEACHING; CHEMICAL REACTIONS;HEAT TRANSFER

4551 NEW RESULTS IN THE FIELD OF DEEP MAGNETOTELLURIC SURVEYS. Berdichevskiy, M.N.; Van'yan, L.L.; Gokhberg, M.B. Dokl. Akad. Nauk SSSR; 177: No. 3, 564-6(1967).
EARTH CRUST;THERMAL CONDUCTIVITY;THICKNESS; MAGNETIC SURVEYS;EARTH MANTLE

4552 POSSIBLE ROLE OF SULFUR-OXIDIZING BACTERIA IN SURFICIAL ACID ALTERATION NEAR HOT SPRINGS. Ehrlich, G.G.; Schoen, R. pp 110-12(Chap. C) of US Geological Survey Prof. Paper 575-C. Washington, DC; US Geol. Surv. (1967).
HOT SPRINGS;SULFURIC ACID;BACTERIA;SOILS; STEAMBOAT SPRINGS

4553 COEFFICIENT OF THERMAL CONDUCTIVITY OF SOME SEDIMENTS, ITS DEPENDENCE ON DENSITY AND ON WATER-CONTENT OF ROCKS. Cermak, V. Chem. Erde; 26: No. 4, 271-8(1967).
EARTH CRUST;HEAT FLOW;SEDIMENTS;THERMAL CONDUCTIVITY;DENSITY;POROSITY;WATER;ABUNDANCE

4554 ORE SOLUTION CHEMISTRY, SOLUBILITY OF HGS IN SULFIDE SOLUTIONS. Barnes, H.L.; Romberger, S.B.; Stemprok, M. Econ. Geol.; 62: No. 7, Pt. 2, 957-82(1967).
HOT SPRINGS;CALIFORNIA;NEVADA;THERMAL WATERS; CHEMICAL COMPOSITION;SULFIDES;MERCURY SULFIDES; SOLUBILITY;SOLUTIONS

4555 RESEARCHES IN GEOCHEMISTRY, VOLUME 2. Abelson, P.H. (ed.). New York; United States of America (USA); John Wiley and Sons (1967). 663p.
Book. GEOCHEMISTRY;AGE ESTIMATION;SEAS; SEDIMENTS;METEORITES;BIBLIOGRAPHIES;SULFIDES; OXYGEN ISOTOPES;ISOTOPE RATIO

4556 GENESIS OF SOME GROUND WATERS FROM IGNEOUS ROCKS. Garrels, R.M. pp 405-20 of Researches in geochemistry, Volume 2. New York; John Wiley and Sons (1967).
GROUND WATER;CHEMICAL COMPOSITION;IGNEOUS ROCKS;AQUEOUS SOLUTIONS;GEOCHEMISTRY;FELDSPARS; CHEMICAL REACTIONS;MINERALS

4557 ENERGY APPRAISAL OF VOLCANIC AND HYDROTHERMAL PHENOMENA (ON THE EXAMPLE OF KAMCHATKA). Polyak, B.G. Bull. Volcanol.; 30: 129-38(1967).
USSR;VOLCANOES;GEOTHERMAL ENERGY;HEAT TRANSFER;ENERGY LOSSES;HYDROTHERMAL SYSTEMS; ENERGY YIELD;VOLCANIC REGIONS;CONVECTION; THERMAL CONDUCTION

4558 NATURAL HYDROTHERMAL SYSTEMS AND THE REACTION OF HOT WATER WITH SEDIMENTARY ROCKS. Mahon, W.A.J. N. Z. J. Sci.; 10: No. 1, 206-21(1967).
NEW ZEALAND;SEDIMENTARY ROCKS;THERMAL WATERS; CHEMICAL REACTIONS;MINERALS;SOLUBILITY;ION EXCHANGE;CHEMICAL COMPOSITION;HYDROTHERMAL ALTERATION;HYDROTHERMAL SYSTEMS;GEOCHEMISTRY

4559 BIOTITE-GARNET GEOTHERMOMETER. Perchuk, L.L. Dokl. Akad. Nauk SSSR; 177: No. 2, 411-14(1967).
GEOTHERMOMETRY;MAGNESIUM;DISTRIBUTION; BIOTITE;GARNETS;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE;ERRORS;FORMATION HEAT;ORE COMPOSITION

4560 SEPARATION OF PERTHITIC MICROCLINE BY HEAVY LIQUID FRACTIONATION, A TOO SENSITIVE METHOD. Nilssen, B. Nor. Geol. Tidsskr.; 47: No. 2, 149-57(1967).
FELDSPARS;LIQUIDS;SEPARATION PROCESSES; GEOTHERMOMETRY;ABUNDANCE;CHEMICAL ANALYSIS; MINERALS;CHEMICAL COMPOSITION;RUBIDIUM; STRONTIUM

4561 STRUCTURE OF LAVAS AND ELECTRICAL CONDUCTIVITY. Riuscetti, M. Accad. Gioenia Sci. Nat. Catania Boll.; 9, Ser. 4: No. 2, 115-25(1967). (English summary).
LAVA;ITALY;POROSITY;ELECTRIC CONDUCTIVITY; HYDROLOGY;GEOLOGY;DATA

4562 DETERMINATION OF TEMPERATURES DURING THE FORMATION OF HYDROTHERMAL QUARTZ BY MEANS OF OXYGEN ISOTOPE RATIOS. Dontsova, E.I.; Naumov, G.B. Geokhimiya; No. 5, 553-8(1967). (In Russian with English summary).
QUARTZ;HYDROTHERMAL ALTERATION;OXYGEN ISOTOPES;ISOTOPE RATIO;GEOTHERMOMETRY; INCLUSIONS

4563 PROGRESS IN HEAT TRANSFER REVIEW OF 1966 LITERATURE. Grant, I.D.R. Chem. Process Eng. (London); 125-135(1967).
HEAT TRANSFER;REVIEWS;CONVECTION;RADIANT HEAT TRANSFER;PHASE TRANSFORMATIONS;HEAT EXCHANGERS

4564 SOLUTION OF AN INVERSE PROBLEM FOR THE TWO DIMENSIONAL EQUATION OF HEAT CONDUCTIVITY. Omel'chenko, O.K. Izdatel'stvo 'Nauka'; 116-23(1967).
THERMAL CONDUCTIVITY;ALGORITHMS;TWO-DIMENSIONAL CALCULATIONS;MATHEMATICS

4565 USE OF THERMAL MODEL TO INVESTIGATE THE THEORY OF TRANSIENT FLOW TO A PARTIALLY PENETRATING WELL. Javandel, I.; Witherspoon, P.A. Water Resour. Res.; 3: No. 2, 591-7(1967).
FLUID FLOW;TRANSIENTS;AQUIFERS;STRUCTURAL MODELS;PERMEABILITY

4566 GEOTHERMY. Goguel, J. pp 98-9 of Rapports nationaux - International Association Seismologie et Physique de l'Interieur de la Terre, 14th Conference, Zurich, 1967, Comptes Rendus No. 15, Pt. 2. Zurich, Switz.; Union Geodesique et Geophysique (1967).
WEST INDIES;GEOTHERMAL RESOURCES;EARTH MANTLE;GEOTHERMAL GRADIENTS;MATHEMATICAL MODELS; GEOPHYSICS

4567 TEMPERATURE IN THE EARTH'S UPPER MANTLE MODEL WITH THE RADIOACTIVITY OF CHONDRITIC METEORITES. Maj, S. (Univ. Warsaw). Acta Geophys. Pol.; 15: 159-70(1967). (In Polish).
EARTH MANTLE;NATURAL RADIOACTIVITY;HEAT TRANSFER;MATHEMATICAL MODELS;TEMPERATURE DISTRIBUTION;THERMAL CONDUCTIVITY;METEORITES

4568 GEOPHYSICAL RESEARCH AT PRESSURES ABOVE 30 KILOBARS. Bell, P.M. Trans. Am. Geophys. Union; 48: No. 2, 666-71(1967).
GEOPHYSICS;BIBLIOGRAPHIES;RESEARCH PROGRAMS; VERY HIGH PRESSURE;PHASE STUDIES;EARTH CRUST; SILICON OXIDES;MELTING;TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE;SHOCK WAVES

4569 THERMODYNAMICS FOR GEOLOGISTS. Kern, R.; Weisbrod, A. San Francisco; Freeman, Cooper Co. (1967). 304p.
THERMODYNAMICS;GEOLOGY;LECTURES

4570 EXPERIMENTAL INVESTIGATION OF THE HEAT CONDUCTIVITY OF SEDIMENTARY ROCKS AS A FUNCTION OF TEMPERATURE AND DENSITY. Akhmedova, S.G.; Gylmanov, A.A. Akad. Nauk Azerbaydzhan. SSR Izv. Ser. Nauk o Zemle; 6: 74-78(1968). (In Russian).

Cylindrical bicalorimeter. SEDIMENTARY ROCKS; THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS; BOREHOLES;QUARTZ;TEMPERATURE DEPENDENCE;DENSITY

4571 FLOW OF STEAM WATER MIXTURES THROUGH PERMEABLE BEDS. SIMPLE SIMULATION OF A NATURAL UNDISTURBED HYDROTHERMAL REGION. Donaldson, I.G. N. Z. J. Sci.; 11: No. 1, 3-23(1968).
GEOTHERMAL FLUIDS;NATURAL STEAM;FLOW RATE; SOILS;PERMEABILITY;TWO-PHASE FLOW;THERMAL WATERS;MATHEMATICAL MODELS;ROCKS;SIMULATION; BOILING;HYDROTHERMAL SYSTEMS

4572 NATURAL HYDROTHERMAL SYSTEMS AND EXPERIMENTAL HOT-WATER/ROCK INTERACTION REACTIONS WITH NA CL SOLUTIONS AND TRACE METAL EXTRACTION. Ellis, A.J. Geochim. Cosmochim. Acta; 32: No. 12, 1356-63(1968).
Andesite. GEOTHERMAL FLUIDS;CHEMICAL REACTIONS;SODIUM CHLORIDES;SHALES;ROCKS;METALS; SOLUBILITY;AQUEOUS SOLUTIONS;HYDROTHERMAL SYSTEMS;VOLCANIC ROCKS;TRACE AMOUNTS

4573 COMPUTATION OF THERMAL CONDUCTIVITY OF SANDSTONES BY CONSIDERING THEM AS UNCONSOLIDATED SANDS. Agrawal, M.P.; Bhandari, R.C. Indian J. Pure Appl. Phys.; 6: No. 7, 388-9(1968).
THERMAL CONDUCTIVITY;SANDSTONES;POROSITY

4574 INSTRUMENT TECHNOLOGY OF GEOTHERMAL MEASUREMENTS AND THE NEW CZECHOSLOVAKIAN GEOTHERMOMETER GT-1. Halousek, J.; Prihoda, K. Freiberger Forschungsh., C; 238: 121-9(1968).
THERMOMETERS;DESIGN;CZECHOSLOVAKIA;ERRORS; TEMPERATURE MEASUREMENT

4575 THERMAL AND ELECTRICAL CONDUCTIVITIES OF SANDSTONE ROCKS AND OCEAN SEDIMENTS. Hutt, J.R.; Berg, J.W., Jr. Geophysics; 33: No. 3, 489-500(1968).
SANDSTONES;SEDIMENTS;THERMAL CONDUCTIVITY; ELECTRIC CONDUCTIVITY;POROSITY;CORRELATIONS

4576 HEAT TRANSFER - REVIEW OF CURRENT LITERATURE. Eckert, E.R.G.; Sparrow, E.M.; Ibele, W.E.; Goldstein, R.J.; Scott, C.J. Int. J. Heat Mass Transfer; 11: No. 10, 1421-60(1968).
645 references. HEAT TRANSFER;CONVECTION; NATURAL CONVECTION;PHASE TRANSFORMATIONS;MASS TRANSFER;LIQUID METALS;MEASURING METHODS; REVIEWS

4577 CONVECTIVE FLOW AND ITS EFFECT ON TEMPERATURE LOGGING IN SMALL-DIAMETER WELLS. Sammel, E.A. Geophysics; 33: No. 6, 1004-12(1968).
TEMPERATURE GRADIENTS;CONVECTION;WATER; SALINITY;GLYCEROL;BOREHOLES

4578 RELATIONSHIP OF THE DISTRIBUTION OF HEAT FLOW TO TECTONIC STRUCTURES. Lyubimova, E.A. pp 37-42 of Doklady Sovet. Geol., Probema 5, 23rd International Geological Congress, Prague, Czechoslovakia, 1964. Moscow; Isdatel'stvo 'Nauka' (1968). (English summary)
PETROLOGY;EARTH CRUST;HEAT FLOW;TECTONICS

4579 ENERGY APPRAISAL OF VOLCANIC AND HYDROTHERMAL PHENOMENA (ON THE EXAMPLE OF KAMCHATKA). Polak, B.G. pp 136-7 of International Symposium Volcanol., New Zealand. New Zealand; Int. Symp. Volcanol. (1968).
EARTH CRUST;ENERGY TRANSFER;VOLCANOES; VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS;USSR; MAGMA;HEAT FLOW;HEAT TRANSFER

4580 TEMPERATURES OF FORMATION OF ULTRAMAFIC ROCKS IN CONNECTION WITH TECTONIC CONDITIONS. Reverdatto, V.V. pp 235-6 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Doklady Sovet. Geol. Problema 2. Prague, Czech.; Int. Geol. Cong. (1968).
METAMORPHIC ROCKS;ORIGIN;TEMPERATURE DEPENDENCE;VERY HIGH TEMPERATURE;MAGMA;EARTH CRUST;GEOLOGIC FAULTS;TECTONICS;MINERALOGY

4581 HEAT CONDUCTIVITY OF ROCKS, MEASURING APPARATUS AND METHODS OF DETERMINATION. Kresl, M. Freiberger Forschungsh., C; 238: 95-100(1968).
ROCKS;THERMAL CONDUCTIVITY;ACCURACY; MEASURING METHODS;MEASURING INSTRUMENTS

4582 ADDITIONAL DATA FOR THE TWO-FELDSPAR GEOTHERMOMETER. Barth, T.F.W. Lithos; 1: No. 4, 305-6(1968).
FELDSPARS;GEOTHERMOMETRY;GEOTHERMOMETERS

4583 ISOTOPIC CRITERIA OF THE GENESIS OF NATURAL SiO_2 FORMATIONS. Milovskiy, A.V.; Dontosova, Ye.I. Geokhimiya; No. 8, 914-20(1968). (English summary).
SILICON OXIDES;ORIGIN;OXYGEN 18;ISOTOPE RATIO;QUARTZ;OXYGEN ISOTOPES;ORES;METAMORPHIC ROCKS;COMPARATIVE EVALUATIONS;GEOLOGIC DEPOSITS

4584 METHOD FOR DETERMINATION IN THE LABORATORY OF THE THERMAL CONDUCTIVITY OF ROCKS. Mongelli, F. Boll. Geofis. Teor. Appl.; 10: No. 37, 51-8(1968). (English abstract).
ROCKS;THERMAL CONDUCTIVITY;MEASURING METHODS

4585 HEAT CONDUCTIVITY OF ROCKS AT HIGH TEMPERATURES. Moiseyenko, U.P. Freiberger Forschungsh., C; 238: 89-94(1968).
ROCKS;THERMAL CONDUCTIVITY;MEDIUM TEMPERATURE;HIGH TEMPERATURE;VERY HIGH TEMPERATURE;GRANITES;BASALT;VOLCANIC ROCKS; IGNEOUS ROCKS

4586 PROPAGATOR MATRICES FOR SOME GEOTHERMAL PROBLEMS. Negi, J.G.; Narain Singh, R. Pure Appl. Geophys.; 69: 100-9(1968).
HEAT FLOW;MATRICES;THERMAL CONDUCTIVITY; DIFFERENTIAL EQUATIONS

4587 ELECTRICAL PHENOMENA IN ROCKS. Parkhomenko, E.I. Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR Inst. Fiz. Zemli (Izdatel'stvo Nauka) (1958). 254p.
ROCKS;ELECTRICAL PROPERTIES;GEOPHYSICS; EXPLORATION;POLARIZABILITY

4588 HEAT TRANSFER BIBLIOGRAPHY-RUSSIAN WORKS. Luikov, A.V. Int. J. Heat Mass Transfer; 11: No. 4, 755-767(1968).
416 references. HEAT TRANSFER;BIBLIOGRAPHIES; THERMODYNAMICS;THERMAL CONDUCTION;CONVECTION; RADIANT HEAT TRANSFER;PHASE TRANSFORMATIONS; CHEMICAL REACTIONS;COMBUSTION;MASS TRANSFER; AERODYNAMICS;HYDRODYNAMICS;DRYING;THERMODYNAMIC PROPERTIES;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS;HIGH TEMPERATURE;PLASMA

4589 HEAT TRANSFER BIBLIOGRAPHY. Eckert, E.R.G.; Sparrow, E.M.; Ibele, W.E.; Goldstein, R.J. Int. J. Heat Mass Transfer; 11: No. 5, 899-915(1968).
595 references. HEAT TRANSFER;BIBLIOGRAPHIES; BOUNDARY LAYERS;PHASE TRANSFORMATIONS;THERMAL CONDUCTION;MASS TRANSFER;LIQUID METALS;DENSITY; MAGNETOHYDRODYNAMICS;MEASURING METHODS;NATURAL CONVECTION;FLUIDIZED BED;RADIANT HEAT TRANSFER

4590 HEAT TRANSFER BIBLIOGRAPHY-JAPANESE WORKS. Sato, T. Int. J. Heat Mass Transfer; 11: No. 6, 1069-1070(1968).
46 references. BIBLIOGRAPHIES;HEAT TRANSFER; MASS TRANSFER;PHASE TRANSFORMATIONS;THERMAL CONDUCTION;CONVECTION;RADIANT HEAT TRANSFER; PHYSICAL PROPERTIES

4591 RELATIONSHIP OF HEAT FLOW TO DEEP PROCESSES. Kutas, R.I. Geofiz. Sb., Akad. Nauk Ukr. SSR, Inst. Geofiz.; No. 25, 25-30(1968). (English summary).
GEOTHERMAL FIELDS;HEAT FLOW;GEOLOGIC STRATA; VARIATIONS;NATURAL CONVECTION;HEAT TRANSFER; MASS TRANSFER;EARTH MANTLE

4592 RELATIONSHIP OF THE THERMAL FIELD TO THE STRUCTURE AND EVOLUTION OF THE EARTH'S CRUST AND UPPER MANTLE. Smirnov, Ya.B. Geotektonika; No. 6, 3-25(1968).
EARTH CRUST;HEAT FLOW;TECTONICS;GEOTHERMAL FIELDS;TEMPERATURE DISTRIBUTION;HEAT TRANSFER; GEOLOGY;GEOPHYSICS

4593 THERMICS OF THE EARTH AND MOON. Lyubimova, Ye.A. Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR Nauch. Sovet. po Geoterm. Issled., Inst. Fiz. Zem. (Izdatel'stvo ''Nauka'') (1968). 280p.
USSR;EARTH CRUST;MOON;HEAT FLOW;MEASURING METHODS;TECTONICS

4594 MANTLE AND PROBLEMS OF THE ULTRADEPTHS. Mekhtiyev, Sh.F.; Kravchinskiy, Z.Ya. Baku; Union of Soviet Socialist Republics (USSR); Azerbaydzhan Gosudarst. Izdatel'stvo (1968). 118p.
EARTH MANTLE;GEOLOGIC DEPOSITS;BOREHOLES; REVIEWS

4595 ANALYSIS OF ACCURACY IN THE DETERMINATON OF THE GROUND-STRESS TENSOR BY MEANS OF BOREHOLE DEVICES. Gray, W.M.; Toews, N.A. pp 45-72 (Chap. 3) of Status of practical rock mechanics - Symposium on Rock Mechanics, 9th, Golden, CO, 1967, Proceedings. New York; Amer. Inst. Min. Met. Petrol. Engrs. (1968).
From 9. Symposium on Rock Mechanics; Golden, CO (1967).
ROCKS;BOREHOLES;STRESSES;STRAINS;STRAIN GAGES;MEASURING METHODS

4596 GEOCHEMISTRY. Leutwein, F. pp 173-90 of Vom Erdkern bis zur Magnetosphaere, aktuelle Probleme der Erdwissenschaften. Frankfurt-am-Main; Umschau Verlag (1968).
GEOCHEMISTRY;PROSPECTING;AGE ESTIMATION; STABLE ISOTOPES;EARTH ATMOSPHERE;HYDROSPHERE; SEAS;REVIEWS;EARTH CRUST;GEOCHEMICAL SURVEYS

4597 GENERATION OF H_2O--CO_2 MIXTURES FOR USE IN HYDROTHERMAL EXPERIMENTATION. Holloway, J.R.; Burnham, C.W.; Millhollen, G.L. J. Geophys. Res.; 73: No. 20, 6598-6600(1968).
WATER;CARBON DIOXIDE;MIXTURES;HYDROTHERMAL SYSTEMS;METAMORPHISM;SILICATES;AQUEOUS SOLUTIONS;GEOTHERMAL FLUIDS;SIMULATION;CHEMICAL REACTIONS;CHEMICAL PREPARATION;SOLUBILITY; SOLVENT PROPERTIES

4598 ONSET OF THERMOHALINE CONVECTION IN A POROUS MEDIUM. Nield, D.A. (Aukland Univ., New Zealand). Water Resour. Res.; 4: No. 3, 553-60(Jun 1968).
CONVECTION;GEOTHERMAL GRADIENTS;MATERIALS; POROSITY;THERMODYNAMIC PROPERTIES;FLUID FLOW

4599 HEAT FLOW AND ITS RELATION TO TECTONIC STRUCTURES OF CONTINENTS. Polyak, B.G.; Smirnov, Ya.B. Geotektonika; No. 4, 3-19(Jul-Aug 1968). (In Russian).
TECTONICS;EARTH CRUST;HEAT FLOW;HEAT TRANSFER;GEOPHYSICS

4600 HEAT CONDUCTIVITY OF WATER-SATURATED RESERVOIR ROCKS AS A FUNCTION OF PRESSURE, TEMPERATURE, AND COMPOSITION OF THE ROCK. Bayramov, E.M.; Tsaturyants, A. B. Akad. Nauk Azerbaydzhan. SSR Izv. Ser. Nauk o Zemle.; No. 1, 25-29(1969). (In Russian).
THERMAL CONDUCTIVITY;ROCKS;SAND;CLAYS;QUARTZ; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE

4601 CRITICAL THERMAL GRADIENTS IN THE MANTLE. Liebermann, R.C.; Schreiber, E. Earth Planet. Sci. Lett.; 7: No. 1, 77-81(1969).
EARTH MANTLE;GEOTHERMAL GRADIENTS;MEASURING METHODS;ULTRASONIC WAVES;SHEAR PROPERTIES; PRESSURE DEPENDENCE

4602 SILICATE SOLID SOLUTIONS AND GEOTHERMOMETRY. Saxena, S.K. Contrib. Mineral. Petrol.; 21: No. 4, 338-45(1969).
GEOTHERMOMETRY;SOLID SOLUTIONS;SILICATES; MIXING HEAT;MINERALS

4603 GEOPHYSICS, GEOLOGIC STRUCTURES AND TECTONICS. Sumner, J.S. Unknown; Wm. C. Brown Co., Publishers (1969). 115p.
Book. GEOLOGY;GEOPHYSICS;TECTONICS;EARTH CRUST;GEOLOGIC DEPOSITS;GRAVITATION;MAGNETISM; EARTHQUAKES;SEISMOLOGY;HEAT FLOW;GEOLOGIC FAULTS

4604 THERMAL AND MINERAL WATERS OF THE UNITED STATES - BRIEF REVIEW OF POSSIBLE ORIGINS. White, D.E. pp 269-86 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, 1968, Symposium 2, Part B. Prague; International Geol. Cong. (1969).
USA;THERMAL WATERS;VOLCANIC REGIONS;METEORIC WATER;ORIGIN;CONNATE WATER;MAGMATIC WATER; JUVENILE WATER;MINERAL SPRINGS

4605 HEAT CONDUCTION IN SATURATED GRANULATED MATERIALS. McGraw, R. pp 114-31 of National Research Council, International Conference, Highway Research Board Special Report 103, DC, Proceedings. Washington, DC; National Research Council, Highway Research Board (1969).
QUARTZ;GLASS;LEAD;SPHERES;THERMAL CONDUCTIVITY;POROSITY;SAND

4606 THERMAL HISTORY OF THE EARTH. Lyubimova, E.A. pp 63-7 of Earth's crust and upper mantle. Washington, DC; National Research Council (1969).
EARTH CRUST;HEAT FLOW;THERMAL CONDUCTIVITY;

GRAVITATION;ZONES;BOUNDARY CONDITIONS; RADIOACTIVITY;IRON

4607 HEAT CONDUCTIVITY IN THE MANTLE. Clark, S.P., Jr. pp 622-6 of Earth's crust and upper mantle. Washington, DC; National Research Council (1969).
EARTH CRUST;HEAT FLOW;MASS TRANSFER;RADIANT HEAT TRANSFER;THERMAL CONDUCTIVITY;HEAT TRANSFER

4608 HEAT FLOW AND DISTRIBUTION OF DEEP TEMPERATURES IN TECTONICALLY ACTIVE BELTS OF THE EARTH. Smirov, Ya.B. pp 243-9 of Connection with problems of tectonics and magmatism. Moscow; Akad. Nauk SSSR, Otdel. Geol., Geofiz., Geokhim., Tekton. Kom. (1969).
EARTH CRUST;HEAT FLOW;TECTONICS;ZONES;MAGMA; TEMPERATURE DISTRIBUTION

4609 SPHERICAL HARMONIC ANALYSIS OF TERRESTRIAL HEAT FLOW. Horai, K.-I.; Simmons, G. Earth Planet. Sci. Lett.; 6: No. 5, 386-94(1969).
EARTH CRUST;HEAT FLOW;MAPS;GRAVITATION; SPHERICAL HARMONICS METHOD

4610 HEAT FLOW FROM THE EARTH'S INTERIOR DEPENDING ON INNER PARAMETERS VARIATIONS. Tikhonov, A.N.; Lyubimova, E.A.; Vlasov, V.K. Bull. Volcanol.; 33: No. 1, 261-80(1969).
EARTH CRUST;HEAT FLOW;SEAS;STABILITY;ZONES

4611 HEAT FLOW IN OCEANIC REGIONS. Von Herzen, R.P.; Lee, W.H.K. pp 86-95 of Earth's crust and upper mantle. Wasnington, DC; Natl. Res. Council (Publication 1708) (1969).
EARTH CRUST;HEAT FLOW;VARIATIONS;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS

4612 TERRESTRIAL HEAT FLOW IN VOLCANIC AREAS. Horai, K.-I.; Uyeda, S. pp 95-109 of Earth's crust and upper mantle. Washington, DC; Natl. Res. Council (Publication 1708) (1969).
VOLCANIC REGIONS;HEAT FLOW;GEOTHERMAL FIELDS; SEAS;EARTH CRUST;MAGMA;MASS TRANSFER;HEAT TRANSFER

4613 NICKEL PARTITION GEOTHERMOMETER APPLIED TO THE PREHISTORIC MAKAOPUHI LAVA LAKE, HAWAII. Evans, B.W. Geochim. Cosmochim. Acta; 33: No. 3, 409-11(1969).
HAWAII;LAVA;NICKEL;GEOTHERMOMETRY; MINERALIZATION;GEOTHERMOMETERS;PYROXENES

4614 MODEL STUDY OF THE DIPOLE RESISTIVITY MEASUREMENTS IN GEOPHYSICS. Matolin, M.; AlKazzaz, H. Geol. Soc. Iraq; 2: No. 1, 16-26(1969).
GEOPHYSICS;GEOLOGIC DEPOSITS;ELECTRICAL SURVEYS;ELECTRIC CONDUCTIVITY;ROCKS

4615 EFFECT OF TWO-DIMENSIONAL TOPOGRAPHY ON SUPERFICIAL THERMAL GRADIENTS. Lachenbruch, A.H. US Geol. Surv. Bull. 1203-E. Washington, DC; United States of America (USA); US Geol. Surv. (1969). 86p.
GEOTHERMAL GRADIENTS;TOPOGRAPHY;HEAT TRANSFER;GEOPHYSICS;EARTH CRUST;MATHEMATICAL MODELS

4616 ISOTOPIC COMPOSITION OF LEAD IN VOLCANIC ROCKS FROM CENTRAL HONSHU - WITH REGARD TO BASALT GENESIS. Tatsumoto, M.; Knight, R.J. Geochem. J. (Nagoya); 3: No. 1, 53-86(1969).
JAPAN;IGNEOUS ROCKS;BASALT;CHEMICAL COMPOSITION;LEAD ISOTOPES;ISOTOPE RATIO;URANIUM; THORIUM;VOLCANIC ROCKS

4617 LEAD ISOTOPE MEASUREMENTS ON VOLCANICS AND ASSOCIATED GALENAS FROM THE COROMANDEL-TE AROHA REGION, NEW ZEALAND. Cooper, J.A.; Richards, J.R. Geochem. J. (Nagoya); 3: No. 1, 1-14(1969).
NEW ZEALAND;VOLCANIC ROCKS;GALENA;LEAD ISOTOPES;ISOTOPE RATIO;CHEMICAL COMPOSITION

4618 PROBLEM OF THE PROCESSES OF FORMATION OF THE MOHOROVICIC SURFACE. Grigor'yev, S.M. pp 124-6 of Stroyeniye i fizika glubinnykh nedr zapadnogo regiona SSSR. Minsk; Akad. Byeloruss. SSR Lab. Geokhim. Problem Sektor Fiz. Zem. (Izdatel'stvo ''Nauka i Tekhnika'') (1969).
EARTH CRUST;GROUND WATER;TEMPERATURE GRADIENTS;NATURAL STEAM;THERMODYNAMICS;DRILLING

4619 COMPUTER PROGRAM FOR 2-DIMENSIONAL GEOPHYSICAL PROBLEMS. Beskow, K.; Granar, L. Geoexploration; 7: No. 3, 137-51(1969).
GEOPHYSICS;GEOLOGIC DEPOSITS;COMPUTER CODES; D CODES;MATHEMATICAL MODELS;TWO-DIMENSIONAL CALCULATIONS

4620 LABORATORY ELECTRICAL RESISTIVITY MEASUREMENTS OF ROCKS. Emerson, D.W. Australas. Inst. Min. Metall. Proc.; No. 230, 51-62(1969).
ROCKS;ELECTRIC CONDUCTIVITY;MEASURING METHODS

4621 THERMAL REGIME OF THE UPPER PARTS OF THE LITHOSPHERE (ON THE EXAMPLE OF THE USSR AREA). Makarenko, F.A.; Polak, B.G.; Smirnov, Ya.B. Bull. Volcanol.; 33: No. 1, 281-91(1969).
EARTH CRUST;HEAT FLOW;TECTONICS;GEOLOGY

4622 PHYSICS OF THE EARTH. Stacey, F.D. New York and London; United States of America (USA); John Wiley and Sons (1969). 324p.
Book. GEOPHYSICS;REVIEWS;GEOMAGNETIC FIELD; EARTH MANTLE

4623 THERMAL CONDUCTIVITY OF TWO-PHASE POROUS MATERIALS. DRY SOILS. Chaudhary, D.R.; Bhandari, R.C. (Rajasthan Univ., Jaipur, India. Dept. of Physics). Br. J. Appl. Phys.; Ser. 2, Vol. 2: No. 4, 609-10(Apr 1969).
THERMAL CONDUCTIVITY;SOILS;POROSITY;HEAT FLOW;MATERIALS;PHYSICAL PROPERTIES

4624 GRAVITY CHANGES AT WAIRAKEI GEOTHERMAL FIELD. Hunt, T.M. (New Zealand). Geol. Soc. Am., Bull.; 81: No. 2, 529-535(1970).
WAIRAKEI GEOTHERMAL FIELD;GRAVITATION; GRAVITY SURVEYS;MASS TRANSFER;AQUIFERS

4625 ANNOTATED-INDEXED BIBLIOGRAPHY OF GEOTHERMAL PHENOMENA. Summers, W.K.; Schwab, G.E. (New Mexico State Bur. Mines and Mineral Resources. New Mexico Inst. of Mining and Tech. Campus Station, Socorro, NM). Geothermics; Special Issue 2: 1724(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES; BIBLIOGRAPHIES;GEOLOGY

4626 STUDY OF HEAT-CONDUCTION MODELS OF GEOTHERMAL ENERGY RESERVOIRS. Meng, C.Y.; Shaw, P.T. (Mining Res. and Serv. Org., MOEA, 261 Roosevelt Road, Taipei, Taiwan). Geothermics; Special Issue 2: 1270-4(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
ROCKS;GEOTHERMAL FIELDS;TEMPERATURE MEASUREMENT;THERMAL CONDUCTION;HEAT TRANSFER; DIFFERENTIAL EQUATIONS;MATHEMATICAL MODELS; TEMPERATURE GRADIENTS

4627 HEAT AND MASS TRANSFER IN HYDROTHERMAL SYSTEMS: PHYSICAL--MATHEMATICAL MODELS AND EXPERIMENTS. Kochergin, V.N.; Pampura, V.D. (Inst. Geochemistry, Acad. of Sciences, Irkutsk, USSR). Geothermics; Special Issue 2: 1266-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HEAT TRANSFER;HYDROTHERMAL SYSTEMS; MATHEMATICAL MODELS;MASS TRANSFER;GEOTHERMAL FIELDS;DIFFERENTIAL EQUATIONS;TEMPERATURE GRADIENTS

4628 ENDOCLAVE: NEW DEVICE FOR STUDY OF HEAT AND MASS TRANSFER BY SIMULATION OF GEOLOGICAL BODIES AND PROCESSES UNDER DYNAMIC CONDITIONS. Dudarev, A.N. (Inst. Geology and Geophysics, Siberian Sector, Acad. of Sciences, 90 Novosibirsk, USSR). Geothermics; Special Issue 2: 1275-9(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
HEAT TRANSFER;GEOLOGY;MECHANICS;MASS TRANSFER;ROCKS;SIMULATORS;SIMULATION

4629 EFFECT OF EARTH STRAIN ON GEYSER ACTIVITY. Rinehart, J.S. (ESSA Res. Labs. and Dept. of Mech. Eng., Univ. Colorado, Boulder, CO). Geothermics; Special Issue 2: 1297-1301(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
EARTHQUAKES;STRAINS;GEYSERS;CORRELATIONS;HOT SPRINGS;SEISMIC EFFECTS;EARTH CRUST

4630 THERMAL STUDIES AS A TECHNIQUE IN SUBSURFACE STRUCTURAL INVESTIGATIONS. Ovnatanov, S.T. (Inst. of Problems of Deep Oil and Gas Reserves, Acad. of Sci. Azerbaijan, Baku 5, Azerbaijan, USSR); Tamrazyan, G.P. (Inst. of Geology, Acad. of Sci. of Azerbaijan, Baku 5, Azerbaijan, USSR). Geothermics; Special Issue 2: 1184-90(1970).
From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2, Part 2; Pisa (1970).
GEOLOGY;RESERVES;OILS;VOLCANOES;GASES; EXPLORATION;ROCK DRILLING;GEOTHERMAL GRADIENTS; EARTH CRUST;GEOLOGIC DEPOSITS;GEOPHYSICAL SURVEYS

4631 THERMAL CONDUCTIVITY OF ROCKS IN THE TEMPERATURE RANGE 20-500°C. Sakvarelidze, Ye.A. Akad. Nauk Gruzin. SSR Soobshch; 57: No. 3, 573-6(1970). (In Russian with English abstract).
THERMAL CONDUCTIVITY;ROCKS;TEMPERATURE DEPENDENCE;MOISTURE;GLASS

4632 THERMAL CONDUCTIVITY DETERMINATION OF TERRIGENOUS ROCKS BY OTHER PHYSICAL PARAMETERS WITH POLYFACTORY CORRELATIVE ANALYSIS. Doroginitskaya, L.M.; Moiseenko, U.I. (Inst. of Geology and Geophysics, Novosibirsk, USSR). Tectonophysics; 10: 79-86(1970).
THERMAL CONDUCTIVITY;POROSITY;ELECTRIC CONDUCTIVITY;CORRELATIONS;DIFFUSION;ROCKS; EQUATIONS

4633 THEORY OF THE GEYSER PROCESS. Merzhanov, A.G.; Shteynberg, A.S.; Shteynberg, G.S. Dokl. Akad. Nauk SSSR; 194: No. 2, 319-21(1970).
GEYSERS;HOT SPRINGS;FUMAROLES;THERMAL WATERS; GEOPHYSICS

4634 FUGACITY OF H_2O FROM 0° TO 350°C AT THE LIQUID-VAPOR EQUILIBRIUM AND AT 1 ATMOSPHERE. Hass, J.L., Jr. Geochim. Cosmochim. Acta; 34: No. 8, 929-32(1970).
0 to 350°C. WATER;THERMODYNAMIC PROPERTIES; TEMPERATURE DEPENDENCE;FREE ENERGY

4635 AEOLOTROPY OF THERMAL CONDUCTIVITY IN ROCK. Pegler, A.V. pp 216-25 of Third Symposium on salt, Volume 2. Rau, J.L.; Dellwig, L.F. (eds.). Cleveland, OH; Northern Ohio Geological Soc. (1970).
ROCKS;THERMAL CONDUCTIVITY;HEAT FLOW; ANISOTROPY

4636 THERMAL REGIME OF A DOWNGOING SLAB (IN GEOTHERMAL PROBLEMS - SYMPOSIUM, MADRID, SPAIN, 1969, PROCEEDINGS). Minear, J.W.; Toksoez, M.N. Tectonophysics; 10: No. 1-3 (Special issue), 367-90(1970).
Global tectonic hypothesis. GEOPHYSICS;EARTH CRUST;GEOTHERMAL GRADIENTS;HEAT FLOW;SEISMIC WAVES;VELOCITY;DENSITY;VOLCANOES;EARTHQUAKES; TECTONICS;EQUATIONS

4637 EMPIRICAL RELATIONSHIP BETWEEN THERMAL CONDUCTIVITY AND DEBYE TEMPERATURE FOR SILICATES. Horai, K.-I.; Simmons, G. J. Geophys. Res.; 75: 978-82(1970).
SILICATES;THERMAL CONDUCTIVITY;DEBYE TEMPERATURE;EARTH MANTLE;MINERALS

4638 ALUMINUM IN QUARTZ AS A GEOTHERMOMETER. Dennen, W.H.; Blackburn, W.H. Contrib. Mineral. Petrol.; 27: No. 4, 332-42(1970).
QUARTZ;ALUMINIUM;ORE COMPOSITION;ABUNDANCE; TEMPERATURE DEPENDENCE;GEOTHERMOMETRY

4639 INFLUENCE OF VARIOUS FACTORS ON THE THERMAL CONDUCTIVITY OF POROUS SEDIMENTARY ROCKS. Akhmedova, Sh.G.; Gylmanov, A.A. Izv. Akad. Nauk Azerb. SSR, Ser. Nauk o Zemle; No. 2, 62-5(1970).
SEDIMENTARY ROCKS;THERMAL CONDUCTIVITY;HEAT FLOW;MICA;FELDSPARS;PYRITES;SILICON OXIDES; ABUNDANCE;DENSITY;TEMPERATURE DEPENDENCE; POROSITY

4640 HEAT PROPERTIES OF ROCKS OF FERGANA. Zuyev, Yu.N.; Firsov, F.V. Dokl. Akad. Nauk SSSR; No. 5, 45-7(1970).
USSR;BOREHOLES;ROCKS;SPECIFIC HEAT;THERMAL CONDUCTIVITY

4641 KUDO-WEILL GEOTHERMOMETER AND PORPHYRITIC ACID GLASSES. Stormer, J.C., Jr.; Carmichael, I.S.E. Contrib. Mineral. Petrol.; 28: No. 4, 306-9(1970).
GEOTHERMOMETERS;FELDSPARS;GEOTHERMOMETRY; GLASS;ROCKS;BIOTITE;THERMAL EQUILIBRIUM;USES

4642 GEOCHEMISTRY AND HALMYROLYSIS OF CLAY MINERALS, RIO AMECA, MEXICO. Russell, K.L. Geochim. Cosmochim. Acta; 34: No. 8, 893-907(1970).
CLAYS;GEOCHEMISTRY;SEAWATER;CHEMICAL REACTIONS

4643 GENESIS OF HYDROTHERMAL POTASSIUM FELDSPAR (ADULARIA) IN AN ACTIVE GEOTHERMAL ENVIRONMENT AT WAIRAKEI, NEW ZEALAND. Steiner, A. (New Zealand Geol. Surv., Lower Hutt, N.Z.). Mineral. Mag.; 37: No. 292, 916-22(1970).
WAIRAKEI GEOTHERMAL FIELD;FELDSPARS; PRECIPITATION;HYDROTHERMAL ALTERATION;ROCKS; CRYSTALS;CRYSTAL GROWTH;SYNTHESIS

4644 DEPENDENCE OF EQUILIBRIUM WITH ANALCIME AND JADEITE ON THE PRESSURE ON SOLID PHASES, PARTIAL PRESSURE OF WATER, AND TEMPERATURE. Nikol'skii, N.S. Vop Geol., Geokhim. Metallogenii Sev.-Zap. Sekt. Tikhookean. Poyasa; 244-6(1970).
ZEOLITES;PYROXENES;CHEMICAL REACTION KINETICS;TEMPERATURE DEPENDENCE;WATER VAPOR; PRESSURE DEPENDENCE;THERMODYNAMICS;PHASE STUDIES;ANALCIME

4645 HEAT FLOW IN RANDOM MEDIUM - FIRST ORDER THEORY. Naidu, P.S. Pure Appl. Geophys.; 79: 73-84(1970).
THERMAL CONDUCTIVITY;TEMPERATURE GRADIENTS; HEAT FLOW;GEOPHYSICS

4646 GEOLOGICAL SURVEY RESEARCH 1970, CHAPTER A. pp A1-A425 of Geological Survey Professional Paper 700-A. Washington, DC; US Geol. Surv. (1970).
USA;GEOLOGICAL SURVEYS;RESEARCH PROGRAMS; GEOLOGY;HYDROLOGY;MAPS;DATA ACQUISITION;REVIEWS; WATER RESOURCES

4647 APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION. Whiting, R.L.; Ramey, H.J., Jr. Field trip to the Geysers geothermal field, Lake and Sonoma Counties. Woodland, CA; Am. Pet. Inst., N. Calif. Chap., Div. Prod. (1970).
GEOTHERMAL ENERGY;THERMODYNAMICS;ENERGY BALANCE;MATERIAL BALANCE;GEYSERS GEOTHERMAL FIELD

4648 HEAT FLOW AND THE DYNAMICS OF THE EARTH'S INTERIOR. Lyubimova, Ye.A. Izv. Akad. Nauk SSSR, Fiz. Zemli; No. 5, 3-17(1970).
EARTH CRUST;HEAT FLOW;MAGMA;GEOPHYSICS; GEOTHERMAL ENERGY

4649 GEODYNAMICS PROJECT. EOS, Trans., Am. Geophys. Union; 51: No. 11, 712-13(1970).
GEOPHYSICS;EARTH CRUST;TECTONICS;PHYSICAL PROPERTIES;RESEARCH PROGRAMS;PLANNING;ENERGY SOURCES

4650 HYDROGEOCHEMISTRY. Ovchinnikov, A.M. Moscow; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Nedra' (1970). 200p.
HYDROLOGY;GEOCHEMISTRY;GROUND WATER;ORIGIN; CHEMICAL COMPOSITION;EARTH CRUST;MINERALOGY

4651 THERMODYNAMIC PROPERTIES OF FREON 12 IN THE -70 TO +75° RANGE. Tombasov, E.A.; Cherepanov, V.Ya. Tr., Sib. Gos. Nauch.-Issled. Inst. Metrol.; No. 6, 166-70(1970).
FREONS;THERMODYNAMIC PROPERTIES;TABLES; SPECIFIC HEAT

4652 THERMAL REGIME OF A DOWNGOING SLAB. Minear, J.W.; Toksoz, M.N. (Research Triangle Inst., Durham, NC). Tectonophysics; 10: 367-390(1970).
EARTH CRUST;HEAT FLOW;SEISMIC WAVES; GEOPHYSICS;THICKNESS;GRAVITATION;VOLCANOES; TECTONICS;HEAT TRANSFER

4653 HEAT CONDUCTIVITY MEASUREMENTS UNDER UNIAXIAL PRESSURE. Hurtig, E.; Brugger, H. (Karl-Marx-Universitaet, Leipzig, East Germany). Tectonophysics; 10: No. 1-3, 67-77(Sep 1970).
THERMAL CONDUCTIVITY;PRESSURE DEPENDENCE; MINERALS;CALCIUM SULFATES;SANDSTONES;LIMESTONE; SEDIMENTARY ROCKS;HEAT FLOW;GEOPHYSICAL SURVEYS

4654 TEMPERATURE FIELD AND GEOPHYSICAL EFFECTS OF A DOWNGOING SLAB. Toksoz, M.N.; Minear, J.W.; Julian, B.R. J. Geophys. Res.; 76: No. 5, 1113-38(1971).
GEOTHERMAL GRADIENTS;NUMERICAL SOLUTION; TEMPERATURE DISTRIBUTION;EARTH CRUST;SEISMIC WAVES;WAVE PROPAGATION;EARTH MANTLE;THERMAL EQUILIBRIUM;HEAT FLOW

4655 THERMAL CONDUCTIVITY OF ROCK-FORMING MINERALS. Horai, K. J. Geophys. Res.; 76: No. 5, 1278-308(1971).
MINERALS;SILICATES;THERMAL CONDUCTIVITY; MEASURING METHODS;CARBONATES;GARNETS;AMPHIBOLE; OLIVINE;MASS

4656 STUDIES ON THE MIGRATION PROPERTIES OF ALKALINE TRACE ELEMENTS IN THE ''WATER-ROCK'' SYSTEM. Pentcheva, E.N. Bulg. Akad. Nauk, Dokl.; 24: No. 9, 1235-1238(1971).
HYDROTHERMAL SYSTEMS;MIGRATION LENGTH;ALKALI METALS;TRACE AMOUNTS;GEOCHEMISTRY;ROCKS

4657 GENESIS AND CAUSES OF CIRCULATION OF HYDROTHERMAL SOLUTIONS. Gortsevskiy, A.A. Vses. Mineral. Obshchest., Zap.; 100: No. 6, 760-764(1971).
ORIGIN;FLUID FLOW;THERMAL WATERS

4658 STABLE ISOTOPE GEOCHEMISTRY (IN VOLCANOLOGY, GEOCHEMISTRY AND PETROLOGY, US NATIONAL REPORT, 1967-71, 15TH GENERAL ASSEMBLY, IUGG). Clayton, R.N. EOS, Trans., Am. Geophys. Union; 52: No. 5, IUGG 106-10(1971).
GEOCHEMISTRY;BIBLIOGRAPHIES;HYDROTHERMAL ALTERATION;IGNEOUS ROCKS;METAMORPHIC ROCKS; LUNAR MATERIALS;METEORITES;TEKTITES;SEDIMENTS; ISOTOPES;WATER;CHEMICAL REACTIONS

4659 CHEMICAL EQUILIBRIA IN THE EARTH. Broecker, W.S.; Oversby, V.M. New York; United States of America (USA); McGraw-Hill Book Co. (1971). 318p.
Book. GEOCHEMISTRY;EQUILIBRIUM; THERMODYNAMICS;SOLID SOLUTIONS;MELTING;PHASE STUDIES;GASES;ENTROPY;VOLUME;ENERGY;GEOLOGY; SOLAR SYSTEM;WATER

4660 PETROLOGIC CRYSTAL CHEMISTRY (IN VOLCANOLOGY, GEOCHEMISTRY AND PETROLOGY, US NATIONAL REPORT, 1967-71, FIFTEENTH GENERAL ASSEMBLY, IUGG. Papike, J.J. EOS, Trans., Am. Geophys. Union; 52: No. 5, IUGG 82-

9(1971).
PETROLOGY;GEOCHEMISTRY;IGNEOUS ROCKS; METAMORPHIC ROCKS;SILICATES;BIBLIOGRAPHIES

4661 HYDROGEOLOGY, HYDROCHEMISTRY, AND GEOTHERMAL STUDIES OF GEOLOGIC STRUCTURES. Bogomolov, G.V.; Silin-Bekchurin, A.I.; Dukhanina, V.I.; Panov, V.V.; Bogomolov, Yu.G. (Akad. Navuk BSSR, Minsk. Inst. Geokhimii i Geofiziki). Minsk; Union of Soviet Socialist Republics (USSR); Izdatel'stvo 'Nauka i Tekhnika' (1971). 336p.
HYDROLOGY;GEOLOGY;USSR;ARTESIAN BASINS; HYDRODYNAMICS;GROUND WATER;THERMODYNAMIC PROPERTIES;GEOLOGIC STRUCTURES

4662 MIGRATION OF SPRINGS AND THEIR CHANGES AT DISCHARGE POINTS OF CARBONATED WATER AS ILLUSTRATED BY ARTESIAN SYSTEMS IN THE PAMIRS AND TIEN SHAN MOUNTAINS. Disler, V.N. (Tsent. Nauchno-Issled. Inst. Kurortologii i Fiz., Moscow). Dokl. Akad. Nauk SSSR; 198: No. 5, 1167-70(1971).
ARTESIAN BASINS;LIMESTONE;GEOLOGIC DEPOSITS; CARBONATES;SCALING;FLUID FLOW;HYDROTHERMAL SYSTEMS;HYDROLOGY;OROGENESIS;AQUIFERS;THERMAL WATERS

4663 LABORATORY INVESTIGATION ON HEAT TRANSFER IN THERMALLY STRATIFIED FLOW. Majewski, W. pp 207-16 of Proceedings of 14th Congress of the International Association for Hydraulics Research. Volume 1, Paris, France, Aug-Sep 1971. Gdansk; Polish Acad. Sci., Inst. of Hydraulic Research (Aug-Sep 1971).
From 14. Congress of the International Association for Hydraulics Research; Paris, France (Aug-Sep 1971).
TEMPERATURE DISTRIBUTION;HEAT TRANSFER;FLUID FLOW;MIXING;DIFFUSION;TURBULENT FLOW; STRATIFICATION;HYDRAULICS;FLUID MECHANICS

4664 REDISTRIBUTION OF GEOTHERMAL HEAT BY A SHALLOW AQUIFER. Cartwright, K. (Illinois Geological Survey, Urbana). Geol. Soc. Am., Bull.; 82: No. 11, 3197-200(Nov 1971).
GEOTHERMAL ENERGY;HEAT;AQUIFERS;DISTRIBUTION; MATHEMATICAL MODELS;HEAT TRANSFER;MASS TRANSFER; ILLINOIS

4665 ORIGIN OF METAL-BEARING SUBMARINE HYDROTHERMAL SOLUTIONS. Corliss, J.B. (Oregon State Univ., Corvallis. Dept. of Oceanography). J. Geophys. Res.; 76: No. 33, 8128-38(20 Nov 1971).
HYDROTHERMAL SYSTEMS;TRACE AMOUNTS;ELEMENTS; ACTIVATION ANALYSIS;BASALT;SEAS;VOLCANOES; PRECIPITATION;ATLANTIC OCEAN;ORIGIN

4666 POSSIBLE ROLE OF GEOTHERMAL GRADIENT AND TECTONIC ACTION IN THE FORMATION OF MINERAL CONCENTRATIONS. Dandurand, J.L.; Fortune, J.P.; Perami, R.; Schott, J.; Tollon, F. (Lab. Mineral. Cristallogr., Univ. Paul-Sabatier, Toulouse, France). C. R. Hebd. Seances Acad. Sci., Ser. D; 275: No. 21, 2283-6(1972).
ROCKS;MINERALIZATION;SOLUBILITY;GEOTHERMAL GRADIENTS;WATER;CARBON DIOXIDE;TECTONICS; MINERALS;ORIGIN

4667 INTERRELATION BETWEEN SULFIDE AND SILICATE PARTS DURING THE EVOLUTION OF BASIC MAGMAS. Godlevskii, M.N. (Tsentr. Nauchno-Issled. Gorno-Razved. Inst., Moscow). pp 65-77 of Mezhdunar. Geokhim. Kongr., (Dokl.), 1st, 1971, Volume 1. Vinogradov, A.P. (ed.). Moscow; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1972).
SILICATES;SULFIDES;CHEMICAL REACTIONS; MINERALS;SYNTHESIS;HIGH TEMPERATURE;HIGH PRESSURE;PHASE TRANSFORMATIONS;MAGMA; CRYSTALLIZATION;COOLING;HYDROTHERMAL SYSTEMS; MINERALIZATION;HYDROTHERMAL STAGE;PYRITES; CHALCOPYRITE

4668 THEORY OF THERMAL FIELDS IN FRACTURE ZONES. Shirokikh, I.N.; Sherban, I.P. Tr. Inst. Geol. Geofiz., Akad. Nauk SSSR, Sib. Otd.; No. 114, 242-62(1972).
GEOTHERMAL FIELDS;HEAT TRANSFER;HYDROTHERMAL SYSTEMS;GEOLOGIC FISSURES;ZONES;THERMAL WATERS

4669 SCALE FROM BRINE CONCENTRATED BY AN ION EXCHANGE MEMBRANE METHOD. IV. SOLUBILITIES OF CALCIUM SULFATE IN ION EXCHANGE MEMBRANE BRINE AND BRINE CONCENTRATES. Soga, K.; Inoue, N.; Kagiwada, K. (Odawara Salt Exp. Stn., Odawara, Japan). Nippon Kaisui Gakkaishi; 26: No. 142, 181-8(1972).
BRINES;CALCIUM SULFATES;SOLUBILITY;ION EXCHANGE MATERIALS;MAGNESIUM IONS;CALCIUM IONS; WATER

4670 SOME ASPECTS OF HEAT AND MASS TRANSFER IN POROUS MEDIA. Dagan, G. (Technion - Israel Inst. of Tech., Haifa). pp 55-64 of Fundamentals of transport phenomena in porous media. International Association for Hydraulic Research. Developments in soil science Volume 2. New York; Elsevier Publ. Co. (1972).
HEAT TRANSFER;MASS TRANSFER;POROSITY;FLUID FLOW;TRANSPORT;HOT SPRINGS;CONVECTION;EQUATIONS; DISPERSIONS;SOILS

4671 HOT BRINES OF THE RED SEA AND THE QUESTION OF VOLCANOGENIC-SEDIMENTARY ORE GENESIS. Dzotsenidze, G.S. (Geol. Inst., Tbilisi, USSR). Geol. rud. Mestorozhd.; 14: No. 5, 3-21(1972).
RED SEA;BRINES;RIFT ZONES;SALINITY; TEMPERATURE MEASUREMENT;THERMAL WATERS;MINERALS; ORES;SYNTHESIS;SEDIMENTS;VOLCANIC ROCKS; SEDIMENTARY ROCKS

4672 THERMOPHYSICAL PROPERTIES OF FREONS. CALCULATION OF THERMODYNAMIC PROPERTIES OF DIFLUOROMETHANE (FREON 32). Kuznetsov, A.P.; Los, L.V. Kholod. Tekh. Tekhnol.; No. 14, 64-6(1972).
FREONS;THERMODYNAMIC PROPERTIES;TEMPERATURE DEPENDENCE

4673 THERMAL CONDUCTIVITY AND HEAT CAPACITY OF F-12 AND F-21 FREONS. Gruzdev, V.A.; Shestova, A.I.; Shumskaya, A.I. Teplo-Massoperenos; 7: 25-9(1972).
FREONS;THERMAL CONDUCTIVITY;SPECIFIC HEAT; LIQUIDS;GASES

4674 THERMAL CONDUCTIVITY OF CARBON DIOXIDE AND STEAM IN THE SUPERCRITICAL REGION. Le Neindre, B.; Tufeu, R.; Bury, P.; Sengers, J.V. (Natl. Bureau of Standards., Washington, DC). Ber. Bunsenges. Phys. Chem.; 77: No. 4, 262-75(1972).
CARBON DIOXIDE;STEAM;THERMAL CONDUCTIVITY; TEMPERATURE DEPENDENCE;DENSITY;HIGH TEMPERATURE

4675 SURFACE HEAT TRANSFER FROM A HOT SPRING FED LAKE. Miller, A.W., Jr.; Street, R.L. Technical Report No. 160. Stanford, CA; United States of America (USA); Stanford Univ.

Dept. of Civil Engineering (Aug 1972). 95p.
EARTH CRUST;SURFACES;HEAT TRANSFER;HOT SPRINGS;LAKES;YELLOWSTONE NATIONAL PARK;HEAT LOSSES;AIR;SURFACE WATERS;MATHEMATICAL MODELS; WYOMING;INTERFACES

4676 ENERGY OF THERMAL WATER. Bodvarsson, G.; Eggers, D.E. (Oregon State Univ., Corvallis). Geothermics; 1: No. 3, 93-95(Sep 1972).
THERMAL WATERS;HEATING;TEMPERATURE MEASUREMENT;ENERGY;MECHANICS;VARIATIONS; GEOTHERMAL ENERGY;ENVIRONMENT;THERMODYNAMIC PROPERTIES;GEOTHERMAL POWER PLANTS

4677 SUBMARINE HOT SPRINGS AS A SOURCE OF ACTIVE RIDGE SEDIMENTS. Bostrom, K.; Farquharson, B.; Eyl, W. (Rosenstiel School of Marine and Atmospheric Science, Miami, FL). Chem. Geol.; 10: No. 3, 189-203(Nov 1972).
HOT SPRINGS;SEDIMENTS;BASALT;HYDROTHERMAL SYSTEMS;SEAS;GEOCHEMISTRY;TRACE AMOUNTS; ELEMENTS

4678 REFINEMENT OF THE BIOTITE-APATITE GEOTHERMOMETER. Ludington, S.D. Geol. Soc. Am., Bull.; 5: No. 6, 493-4(1973).
From 26. Annual Meeting Rocky Mountain Section;
THERMODYNAMIC PROPERTIES;GEOCHEMISTRY; BIOTITE;APATITES;GEOTHERMOMETRY

4679 PHASE BEHAVIOR OF AQUEOUS LITHIUM--ZINC--CALCIUM HALIDE SOLUTIONS. Gunzler, T.; Graff, R.A. pp 336-46 of Proceedings of the 6th Symposium on Thermophysical Properties, Atlanta, GA, 6-8 Aug 1973. New York; ASME (1973).
From 6. Symposium on Thermophysical Properties; Atlanta, GA (6-8 Aug 1973).
LITHIUM HALIDES;ZINC HALIDES;CALCIUM HALIDES; PHASE STUDIES;CHEMICAL REACTION KINETICS;WATER; TEMPERATURE DEPENDENCE;QUANTITY RATIO;VAPOR PRESSURE;AQUEOUS SOLUTIONS

4680 EMPIRICAL NA--K--CA GEOTHERMOMETER FOR NATURAL WATERS. Fournier, R.O.; Truesdell, A.H. *Geochim. Cosmochim. Acta*; 37: No. 5, 1255-75(1973).
GEOTHERMOMETERS;GEOTHERMOMETRY;THERMAL WATERS;WATER;ROCKS;CHEMICAL REACTIONS;SODIUM; POTASSIUM;CALCIUM

4681 GEOTHERMAL PROBLEMS. BOOK REVIEW. Bodvarsson, G. Geoexploration; 11: No. 1, 55-6(1973).
TECTONICS;HEAT FLOW;GEOPHYSICS;EARTH CRUST

4682 FINITE ELEMENT APPROACH TO THE MODELING OF HYDROTHERMAL SYSTEMS. Mercer, J.W.; Pinder, G.F. EOS, Trans., Am. Geophys. Union; 54: No. 4, 263(1973).
HYDROTHERMAL SYSTEMS;MATHEMATICAL MODELS; FINITE ELEMENT METHOD;GROUND WATER;GEOTHERMAL ENERGY

4683 *THERMODYNAMIC POWER CYCLE FOR RECOVERY* OF GEOTHERMAL ENERGY. Howerton, M.T. (Martin Marietta Aerospace, Denver). pp 382-388 of 8th intersociety energy conversion engineering conference. Smith, A.H. (ed.). New York; American Inst. of Aeronautics and Astronautics (1973).
From 8. intersociety energy conversion engineering conference; Philadelphia, PA (13 Aug 1973).
GEOTHERMAL POWER PLANTS;THERMODYNAMIC CYCLES

4684 CHEMICAL PROCESSES IN HYDROTHERMAL SYSTEMS. REVIEW. Ellis, A.J. (Dep. Sci. Ind. Res., Wellington, N.Z.). pp 1-26 of Proceedings of Symposium on Hydrogeochemistry and Biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
HYDROTHERMAL SYSTEMS;CHEMICAL REACTIONS; REVIEWS

4685 GALERKIN FINITE-ELEMENT SIMULATION OF A GEOTHERMAL RESERVOIR. Mercer, J.W. Jr. (Geological Survey, Reston, VA); Pinder, G.F. Geothermics; 2: No. 3-4, 81-89(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
FLUID FLOW;GEOTHERMAL SYSTEMS;SIMULATION; EQUATIONS;POROSITY;HOT-WATER SYSTEMS; MATHEMATICAL MODELS;WAIRAKEI GEOTHERMAL FIELD; HEAT TRANSFER

4686 NUMERICAL MODELING OF HAWAIIAN GEOTHERMAL RESOURCES. Cheng, P. (Univ. of Hawaii, Honolulu); Lau, K.H. Geothermics; 2: No. 3-4, 90-93(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
GEOTHERMAL RESOURCES;MATHEMATICAL MODELS; HEAT TRANSFER;FLUID FLOW;GEOTHERMAL SYSTEMS; DIFFERENTIAL EQUATIONS;HEATING

4687 PRODUCTION OF SUPERHEATED STEAM FROM VAPOR-DOMINATED GEOTHERMAL RESERVOIRS. Truesdell, A.H.; White, D.E. (Geological Survey, Menlo Park, CA). Geothermics; 2: No. 3-4, 154-173(1973).
From National Science Foundation: Italian National Research Council Geothermal Seminar; Pisa, Italy (5 Nov 1973).
DRY-STEAM SYSTEMS;THERMODYNAMIC PROPERTIES; SUPERHEATING;ROCKS;WATER;STEAM;NATURAL STEAM; ENTHALPY;SODIUM CHLORIDES;PHASE TRANSFORMATIONS; FUNCTIONAL MODELS

4688 SPECIFIC HEATS OF A BOILING LIQUID AND DRY SATURATED WATER VAPOR, FREON 21, AND CARBON DIOXIDE ALONG THE LEFT AND RIGHT BRANCHES OF A BOUNDARY CURVE. Kalinin, Yu.Ya.; Dubinin, A.B. (Sarat. Politekh. Inst., Saratov, USSR). Izv. Vyssh. Uchebn. Zaved., Energ.; 16: No. 6, 142-7(1973).
WATER VAPOR;FREONS;CARBON DIOXIDE;SPECIFIC HEAT;BOILING;LIQUIDS

4689 THERMODYNAMIC PROPERTIES OF A MIXTURE OF FREON 12 AND 23. Geller, Z.I.; Kuznetsov, A.P.; Egorov, A.V.; Vasyutinskii, Yu.A. (Odess. Tekhnol. Inst. Kholod. Prom., Odessa, USSR). Kholod. Tekh.; No. 6, 46-7(1973).
FREONS;THERMODYNAMIC PROPERTIES;ENTHALPY; ENTROPY;HIGH TEMPERATURE;PHASE STUDIES;MIXTURES

4690 THERMAL CONDUCTIVITY MAXIMUMS OF WATER IN THE CRITICAL REGION. Sirota, A.M.; Latunin, V.I.; Belyaeva, G.M. (Vses. Teplotekh. Inst., Moscow, USSR). Teploenergetika (Moscow); No. 8, 6-11(1973).
WATER;THERMAL CONDUCTIVITY;WATER VAPOR;HIGH TEMPERATURE

4691 VISCOSITY OF SOLUTIONS OF POTASSIUM CHLORIDE IN THE REGION OF THE PHASE TRANSITION IN SOLUTION. Franke, V.D.; Punin, Yu.O.

Uch. Zap. Leningrad. Gos. Univ., Ser. Geol. Nauk; 14: 138-42(1973).
VISCOSITY;AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES;PHASE TRANSFORMATIONS

4692 NONIDEAL THERMODYNAMIC PROPERTIES OF WATER-CARBON DIOXIDE MIXTURES OF 0.4-2 KBAR AND 400-700°. Barron, L.M. (Geol. Surv. New South Wales, Sydney, Australia). Contrib. Mineral. Petrol.; 39: No. 2, 184(1973).
WATER;CARBON DIOXIDE;THERMODYNAMIC PROPERTIES;MIXTURES;EQUATIONS;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE

4693 PVT [PRESSURE-VOLUME-TEMPERATURE] SURFACE AND THERMODYNAMIC PROPERTIES OF ISOBUTANE. Das, T.R.; Reed, C.O. Jr.; Eubank, P.T. (Thermodyn. Res. Cent., Texas A and M Univ., College Station, TX). J. Chem. Eng. Data; 18: No. 3, 253-62(1973).
2-METHYLPROPANE;THERMODYNAMIC PROPERTIES; VAPOR PRESSURE;ENTHALPY;FREE ENTHALPY; DIFFERENTIAL EQUATIONS;ENTROPY;DENSITY; COMPRESSIBILITY

4694 EFFECT OF SOLUTE DISPERSION ON THERMAL CONVECTION IN A POROUS MEDIUM LAYER. Rubin, H. (Technion, Haifa, Israel). Water Resour. Res.; 9: No. 4, 968-74(Aug 1973).
AQUIFERS;SALINITY;SPATIAL DISTRIBUTION; NATURAL CONVECTION;FLUID FLOW;DIFFUSION; CORRELATIONS;THERMAL WATERS;SALTS

4695 COMMENTS ON OXYGEN ISOTOPE GEOTHERMOMETRY. Bottinga, Y.; Javoy, M. (Univ. Paris VI, France). Earth Planet. Sci. Lett.; 20: No. 2, 250-65(Oct 1973).
GEOTHERMOMETRY;MEASURING METHODS;SILICATES; MAGNETITE;THERMAL WATERS;ISOTOPE RATIO;OXYGEN ISOTOPES;TEMPERATURE DEPENDENCE;QUARTZ; EQUATIONS;COMPARATIVE EVALUATIONS;FELDSPARS; MUSCOVITE;WATER

4696 THEORETICAL ANALYSIS OF FORCED CONVECTIVE HEAT TRANSFER IN REGIONAL GROUND-WATER FLOW. Domenico, P.A.; Palciauskas, V.V. (Illinois Univ., Urbana. Dept. of Geology). Geol. Soc. Am., Bull.; 84: No. 12, 3803-13(Dec 1973).
HEAT TRANSFER;CONVECTION;GROUND WATER; TEMPERATURE DISTRIBUTION;GEOTHERMAL GRADIENTS; LIQUID FLOW;MASS TRANSFER;HOT SPRINGS

4697 POSSIBLE ORIGIN OF MAGMATIC GASES. Gortsevskiy, A.A. Zap. Vses. Mineral. O-va.; 103: No. 3, 313-20(1974).
MAGMA;GASES;ORIGIN;GEOCHEMISTRY;METAMORPHISM; HYDROTHERMAL SYSTEMS

4698 DISSOLUTION RATE OF POWDERED QUARTZ IN ACID SOLUTION. Kamiya, H.; Ozaki, A.; Imahashi, M. Geochem. J. (Nagoya); 8: No. 1, 21-6(1974).
POWDERS;QUARTZ;DISSOLUTION;AQUEOUS SOLUTIONS; SOLVENT PROPERTIES;PH VALUE;HYDROTHERMAL ALTERATION;SILICATES

4699 TEMPLATE PLOTTING OF REACTIONS INVOLVING WATER-CARBON DIOXIDE MIXTURES. Barron, L.M. (Geol. Surv. New South Wales, Sydney, Aust.). Contrib. Mineral. Petrol.; 44: No. 1, 81-3(1974).
HYDROTHERMAL SYSTEMS;WATER;CARBON DIOXIDE; SOLUTIONS;CHEMICAL REACTIONS;CHEMICAL REACTION KINETICS;EQUATIONS;PHASE STUDIES

4700 HEAT DISPERSION EFFECT ON THERMAL CONVECTION IN A POROUS MEDIUM LAYER. Rubin, H. J. Hydrol.; 21: No. 2, 173-185(1974).
CONVECTION;LAYERS;POROSITY;GROUND WATER;HEAT; DIFFUSION;GEOTHERMAL ENERGY;EARTH CRUST

4701 CONTINENTAL CRUSTAL MODEL AND ITS GEOTHERMAL IMPLICATIONS. Smithson, S.B.; Decker, E.R. (Univ. Wyoming, Laramie, USA). Earth Planet. Sci. Lett.; 22: No. 3, 215-225(1974).
EARTH CRUST;EARTH MANTLE;HEAT FLOW; METAMORPHIC ROCKS;WATER;ABUNDANCE;AMPHIBOLE; ZONES;HEAT;VOLCANIC ROCKS;GRANITES;GEOTHERMAL GRADIENTS

4702 MAGMA DIFFERENTIATION IN THE VENTS OF ACTIVE VOLCANOS. Ermakov, V.A. Byull. Vulkanol. Sta., Akad. Nauk SSSR; 50: 19-31(1974).
MAGMA;VOLCANOES;VOLCANIC ROCKS;QUARTZ; PYROXENES;AMPHIBOLE;CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT

4703 BEHAVIOR OF SILICIC ACID IN THE PRESENCE OF SILICA GEL AND FERRIC HYDROXIDE. Kojima, T.; Tarutani, T. (Fac. Sci., Kyushu Univ., Fukuoka, Japan). Mem. Fac. Sci., Kyushu Univ., Ser. C; 9: No. 1, 1-7(1974).
PH VALUE;HOT SPRINGS;SILICA GEL;ABSORPTION; SILICIC ACID;IRON HYDROXIDES;POLYMERIZATION; GEOCHEMISTRY

4704 ORIGIN OF ARTESIAN AND THERMAL WATERS DETERMINED BY OXYGEN, HYDROGEN, AND CARBON ISOTOPE ANALYSES OF WATER SAMPLES FROM THE SPERKHIOS VALLEY, GREECE. Stahl, W. (Geological Survey, Hanover); Aust, H.; Dounas, A. pp 317-339 of Isotope techniques in groundwater hydrology. Vol. I. Vienna; International Atomic Energy Agency (1974).
From Symposium on isotope techniques in groundwater hydrology; Vienna, Austria (11 Mar 1974).
GREECE;ARTESIAN BASINS;THERMAL WATERS; CONNATE WATER;METEORIC WATER;ORIGIN;OXYGEN ISOTOPES;CARBON ISOTOPES;HYDROGEN ISOTOPES; ISOTOPE RATIO;GROUND WATER

4705 COEFFICIENT OF THERMAL CONDUCTIVITY OF FREON 12. Geller, V.Z.; Artamonov, S.D.; Zaporozhan, G.V.; Peredrii, V.G. (Tekhnol. Inst. im. Lomonosova, Odessa, USSR). Inzh.-Fiz. Zh.; 27: No. 1, 72-7(1974).
FREONS;THERMAL CONDUCTIVITY;THERMOMETERS; LIQUIDS;GASES

4706 THERMOPHYSICAL PROPERTIES OF FREONS. Gruzdev, V.A.; Sheludyakov, E.P.; Kiriyanenko, A.A.; Kolotov, Ya.L.; Lavrov, V.A.; Shilyakov, A.A.; Shestova, A.I.; Shumskaya, A.I. Fluid Mech. - Sov. Res.; 3: No. 4, 172-6(1974).
FREONS;THERMODYNAMIC PROPERTIES;THERMAL CONDUCTIVITY;SPECIFIC HEAT;PHYSICAL PROPERTIES

4707 THERMAL CONDUCTIVITY OF FREONS IN A WIDE RANGE OF TEMPERATURES AND PRESSURES. Tsvetkov, O.B.; Laptev, Yu.A.; Polyakova, N.A. Kholod. Tekh.; No. 11, 39-43(1974).
Calculated values for freons-11, -12, -13, -14, -22. THERMAL CONDUCTIVITY;FREONS;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE;TABLES

4708 DISSOCIATION CONSTANTS OF CERTAIN SCALE FORMING SALTS. Martynova, O.I.; Vasina, L.G.;

Pozdniakova, S.A. (Inst. Power Eng., Moscow, USSR). Desalination; 15: No. 3, 259-65(1974).
CALCIUM CARBONATES;CALCIUM SULFATES;SODIUM SULFATES;SCALING;SALTS;DISSOCIATION;REACTION KINETICS;SOLUBILITY

4709 MEASUREMENT OF PRESSURE EFFECT ON VISCOSITY OF STEAM. Nagashima, A.; Tanishita, I.; Murai, Y. (Div. Mech. Eng., Keio Univ., Yokohama, Japan). J. Chem. Eng. Data; 19: No. 3, 212-13(1974).
200-600° nd 5-200 bar. STEAM;VISCOSITY; PRESSURE DEPENDENCE;DIAGRAMS

4710 CORROSION OF CONDENSER TUBE ALLOYS IN SULFIDE CONTAMINATED BRINE. Bates, J.F. (Olin Met. Res. Lab., New Haven, CT); Popplewell, J.M. Prepr. Paper 100. Houston, TX; United States of America (USA); NACE (1974). 23p.
From NACE international corrosion forum; Chicago, IL (4-8 Mar 1974).
Alloy-715, alloy 443, alloy-706, alloy 608, stainless steel-302, stainless steel-316. BRINES;SULFIDES;CORROSION;STAINLESS STEEL-302; STAINLESS STEEL-316;STAINLESS STEELS;CONDENSERS; TUBES;CORROSIVE EFFECTS;ALLOYS

4711 CORROSION STABILITY OF TYPE $KH_{21}N_5$ CHROMIUM--NICKEL STEEL IN SEA WATER. Korovin, Yu.M.; Ulanovskii, I.B. (Inst. Okeanol., Moscow, USSR). Zashch. Met.; 10: No. 5, 568-70(1974).
SEAWATER;CORROSION RESISTANCE;CHROMIUM-NICKEL STEELS;CORROSIVE EFFECTS

4712 DIVERSE ORIGINS OF HYDROTHERMAL ORE FLUIDS. White, D.E. Econ. Geol.; 69: No. 6, 954-73(Sep-Oct 1974).
INCLUSIONS;ORES;METEORIC WATER;MAGMATIC WATER;SEAWATER;CONNATE WATER;GEOLOGIC DEPOSITS; THERMAL WATERS;ORIGIN;METALS;CHLORIDES;SULFIDES; CARBON DIOXIDE;GOLD;SILVER;MERCURY;HYDROTHERMAL SYSTEMS

4713 STEADY STATE FREE CONVECTION IN AN UNCONFINED GEOTHERMAL RESERVOIR. Cheng, P. (Dept. Mech. Eng., Univ. Hawaii, Honolulu, Hawaii); Lau, K.H. (Hilo College, Univ. Hawaii, Hilo, Hawaii). J. Geophys. Res.; 79: No. 29, 4425-31(10 Oct 1974).
AQUIFERS;CONVECTION;DIFFERENTIAL EQUATIONS; GEOTHERMAL SYSTEMS;HEAT TRANSFER;FLUID FLOW; BOUNDARY CONDITIONS;GEOTHERMAL RESOURCES;FINITE DIFFERENCE METHOD;SEAS

4714 ANALYSIS OF GEOLOGICAL-PHYSICAL CONDITIONS OF ENDOGENOUS ORE FORMATION. Dudarev, A.N. Novosibirsk; Union of Soviet Socialist Republics (USSR); Izdatel'stvo Nauka Sib. Otd. (1975). 179p.
ORES;MINERALIZATION;CHEMICAL PROPERTIES; ROCKS;HEAT TRANSFER;MASS TRANSFER;GEOLOGY; GEOLOGIC STRUCTURES;PETROLOGY

4715 MID AND LATE CENOZOIC VOLCANISM IN SOUTHWESTERN UTAH. Nash, W.P. (Univ. of Utah, Salt Lake City); Hausel, W.D. pp 1210-1211 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
UTAH;LAVA;MAGMA;VOLCANISM;BASALT; THERMODYNAMIC PROPERTIES;PETROLOGY;ANDESITES; QUARTZ

4716 GEYSERS: A HYDRODYNAMIC MODEL FOR THE EARLY STAGES OF ERUPTION. Kieffer, S.W. (Univ. of California, Los Angeles). pp 1146 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
GEYSERS;HYDRODYNAMICS;FLUID FLOW;EQUATIONS OF STATE;VELOCITY;FLOW RATE;MATHEMATICAL MODELS

4717 STRESS-CORROSION CRACKING OF STEEL 45 IN MINERALIZED HYDROGEN SULFIDE SOLUTIONS. Khamzin, A.Kh.; Legezin, N.I.; Afanas'ev, V.P.; Galtykhina, V.A. (Vses. Nauchno-Issled. Tekhnol. Inst. Priborostr, USSR). Korroz. Zashch. Neftegazov. Prom-sti.; No. 2, 3-4(1975).
STEELS;STRESS CORROSION;AQUEOUS SOLUTIONS; SODIUM CHLORIDES;CALCIUM CHLORIDES;MAGNESIUM CHLORIDES;SODIUM SULFATES;SODIUM CARBONATES; CORROSIVE EFFECTS;HYDROGEN SULFIDES

4718 THERMAL CONDUCTIVITY OF FREON F-13 AND F-23. Geller, V.Z.; Peredrii, V.G. (Odess. Tekhnol. Inst. Pisheh. Prom. im. Lomonosova, Odessa, USSR). Izv. Vyssh. Uchebn. Zaved., Energ.; 18: No. 2, 113-16(1975).
FREONS;THERMAL CONDUCTIVITY

4719 CARBON--OXYGEN--HYDROGEN--SULFUR GASEOUS SYSTEM. II. TEMPERATURE, ATOMIC COMPOSITION, AND MOLECULAR EQUILIBRIUMS IN VOLCANIC GASES. Gerlach, T.M.; Nordlie, B.E. (Dep. Geosci., Univ. Arizona, Tucson, AZ). Am. J. Sci.; 275: No. 4, 377-94(1975).
VOLCANOES;FUMAROLIC FLUIDS;CARBON;OXYGEN; HYDROGEN;SULFUR;GASES;SIMULATION;MAGMA; EQUILIBRIUM;CHEMICAL COMPOSITION

4720 TESTING OF SEVERAL TYPES OF STAINLESS STEELS IN FILTERED SEA WATER. Defranoux, J.M.; Hache, A. (Cent. Rech. Metall., Ugine-Aciers, Ugine, Fr.). Circ. Inf. Tech., Cent. Doc. Sider.; 32: No. 1, 171-5(1975).
Z8C17, Z2CN18-10, Z8CNDT18-12, Z2CND19-15, 17Cr-17Ni-6Mo-3 percent Cu. SEAWATER;STAINLESS STEELS;CORROSION;CORROSIVE EFFECTS

4721 NUMERICAL SOLUTION OF TRANSIENT FREE SURFACE FLOW PROBLEMS IN POROUS MEDIA. Bradford, E. (Appl. Math. Div., Dept. Sci. Ind. Res., Wellington, NZ). N. Z. J. Sci.; 18: No. 1, 17-33(Mar 1975).
GROUND WATER;NUMERICAL SOLUTION;TIME DEPENDENCE;VARIATIONS;MATHEMATICAL MODELS;FLOW MODELS;LIQUID FLOW;POROSITY

4722 DISPERSION EFFECT ON BUOYANCE-DRIVEN CONVECTION IN STRATIFIED FLOWS THROUGH POROUS MEDIA. Weber, J.E. (Oslo Univ. (Norway), Inst. of Mathematics). J. Hydrol.; 25: No. 1, 59-70(Apr 1975).
CONVECTION;HYDRODYNAMICS;DISPERSIONS; GEOLOGIC STRATA;POROSITY;GROUND WATER;MASS TRANSFER;HEAT TRANSFER

4723 GALERKIN-FINITE ELEMENT ANALYSIS OF THE HYDROTHERMAL SYSTEM AT WAIRAKEI, NEW ZEALAND. Mercer, J.W.; Pinder, G.F.; Donaldson, I.G. (Geol. Surv., Reston, VA). J. Geophys. Res.; 80: No. 17, 2608-21(10 Jun 1975).
NEW ZEALAND;HYDROTHERMAL SYSTEMS;HOT-WATER SYSTEMS;AQUIFERS;MATHEMATICAL MODELS;HEAT TRANSFER;MASS TRANSFER

4724 THEORY OF THE WAIRAKEI GEOTHERMAL FIELD. 1. SINGLE-PHASE, DRAWDOWN MODEL. Marshall, D.C. (Auckland Industrial Develop. Div., Dept. Sci. Ind. Res., Auckland, New Zealand). N. Z. J. Sci.; 18: No. 3, 453-63(Sep 1975).
WAIRAKEI GEOTHERMAL FIELD;MATHEMATICAL MODELS;FLUID FLOW;MASS TRANSFER;TIME DEPENDENCE; VARIATIONS;DIFFERENTIAL EQUATIONS;NEW ZEALAND; DRAWDOWN;STEADY-STATE CONDITIONS;PRESSURE DROP; GROUND WATER;FLUID WITHDRAWAL;FLOW RATE; EXPLOITATION

4725 (ERDA-tr--95) METHODS OF THERMAL CALCULATION OF UNDERGROUND THERMAL BOILERS. Shcherban, A.N.; Kremnev, O.A.; Tsyrul'nikov, A.S.; Shurchkov, A.V.; Ryzhenko, I.A.; Kononenko, G.N.; Morozov, Yu.P.; Merzlyakov, E.I.; Kozlov, E.M. Dec 1975. Translated by W.J. Grimes of Metody teplovogo rascheta podzemnykh teplovykh kotlov. 46p. Dep. NTIS $4.00.
HEAT EXTRACTION;MATHEMATICAL MODELS;HEAT TRANSFER;UNDERGROUND;FLUID FLOW;PERMEABILITY; LAYERS;DIFFERENTIAL EQUATIONS;ROCKS;LIQUIDS; GEOTHERMAL ENERGY

4726 CONDUCTIVE HEAT FLOW ANOMALIES OVER A HOT SPOT IN A MOVING MEDIUM. Birch, F.S. (Dept. Earth Sciences, Univ. of New Hampshire, Durham, NH). J. Geophys. Res.; 80: No. 35, 4825-7(10 Dec 1975).
HEAT FLOW;MATHEMATICAL MODELS;SURFACES; MOTION;IONOSPHERE;EARTH CRUST

4727 REPORT OF WORK DONE IN THE DIVISION OF CHEMISTRY AND PHYSICS, MAINLY DURING THE FISCAL YEAR 1888-89. Clarke, F.W. US Geological Survey Bulletin 64. Washington, DC; United States of America (USA); US Geol. Surv. (1890). 60p.
Geyserite. NEW ZEALAND;MINERALS;CHEMICAL COMPOSITION;SILICON OXIDES

4728 GEYSERS. Weed, W.H. Columbia Univ. School Mines Quart.; 11: No. 4, 289-306(1890).
Review of geyser theories. GEYSERS;OPERATION; GEOLOGY;REVIEWS

4729 SOME EXPERIMENTS WITH AN ARTIFICIAL GEYSER. Graham, J.C. Am. J. Sci.; 45, Ser. 3: 54-60(1893).
GEYSERS;MOCKUP;OPERATION

4730 UNDERGROUND TEMPERATURES AT GREAT DEPTHS. Agassiz, A.E. Am. J. Sci.; 50, Ser. 3: 503-4(1895).
EARTH CRUST;BOREHOLES;TEMPERATURE DISTRIBUTION;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;MEASURING METHODS

Properties of Aqueous Solutions

Refer also to citation(s) 2809, 3028, 3122, 4126

4731 (AD--751025) THERMAL CONDUCTIVITY OF PURE WATER AND STANDARD SEA WATER AS A FUNCTION OF PRESSURE AND TEMPERATURE. PURE WATER. Castelli, V.J.; Stanley, E.M. (Naval Ship Research and Development Center, Annapolis, MD). 1972. 20p. NTIS.
WATER;SEAWATER;THERMAL CONDUCTIVITY;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE

4732 (CONF-740209--, pp 510-585) THERMODYNAMIC AND HYDRODYNAMIC PROPERTIES OF HYDROTHERMAL SYSTEMS. Ramey, H.J. Jr.; Brigham, W.E.; Chen, H.K.; Atkinson, P.G.; Arihara, N. (Stanford Univ., CA). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
THERMODYNAMIC PROPERTIES;HYDRODYNAMICS; HYDROTHERMAL SYSTEMS;ROCKS;THERMAL CONDUCTIVITY; SPECIFIC HEAT;THERMAL DIFFUSIVITY;PERMEABILITY; WATER;EQUATIONS OF STATE;QUARTZ;SANDSTONES; TABLES

4733 (ORNL--4999) PREDICTION OF OSMOTIC AND ACTIVITY COEFFICIENTS FOR ELECTROLYTE MIXTURES AT ELEVATED TEMPERATURES. Lietzke, M.H.; Stoughton, R.W. (Oak Ridge National Lab., Tenn. (USA)). Sep 1974. Contract W-7405-eng-26. 17p. Dep. NTIS $4.00.
THERMODYNAMIC PROPERTIES;ELECTROLYTES; TEMPERATURE DEPENDENCE;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE;MIXTURES

4734 (RD/B/M--2533) THERMODYNAMIC AND TRANSPORT PROPERTIES OF WATER AT ATMOSPHERIC PRESSURE IN CONVENIENT FORM. Durham, M.E. (Central Electricity Generating Board, Berkeley (UK). Berkeley Nuclear Labs.). 1973. 20p. NTIS (US Sales Only).
WATER;THERMODYNAMIC PROPERTIES;HEAT TRANSFER; TEMPERATURE DEPENDENCE;TRANSPORT THEORY

4735 (UCRL--17767) COMPILATION OF SELECTED THERMODYNAMIC AND TRANSPORT PROPERTIES OF BINARY ELECTROLYTES IN AQUEOUS SOLUTIONS. Chapman, T.W.; Newman, J. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 1968. 297p.
0° to 70°C, ambient pressure, tabulared data. AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES;BINARY MIXTURES;DENSITY;CALCIUM CHLORIDES;HYDROCHLORIC ACID;SULFURIC ACID; POTASSIUM CHLORIDES;POTASSIUM HYDROXIDES; POTASSIUM SULFATES;SODIUM CHLORIDES;AMMONIUM HYDROXIDES;SODIUM SULFATES;MEDIUM TEMPERATURE; DATA COMPILATION

4736 DENSITY OF CERTAIN DILUTE AQUEOUS SOLUTIONS BY A NEW AND PRECISE METHOD. Lamb, A.B.; Lee, R.E. J. Am. Chem. Soc.; 35: 1666-93(1913).
Ambient pressure, 20°C, magnetic float method, tabulated experimental data. DENSITY; SODIUM CARBONATES;SODIUM CHLORIDES;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE;SOLUTIONS

4737 PARTIAL MOLAL VOLUMES OF WATER AND SALT IN SOLUTIONS OF ALKALI HALIDES. LaMer, V.K.; Gornwall, T.H. J. Am. Chem. Soc.; 31: 393-406(1927).
Ambient pressure, 0° to 50°C, calculated data, empirical equations. PARTIAL MOLAL VOLUME; SODIUM CHLORIDES;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE

4738 SYSTEM SODIUM SULFATE-WATER. I. DENSITIES AND SPECIFIC VOLUMES OF AQUEOUS SOLUTIONS OF SODIUM SULFATE BETWEEN 25 AND 40° AND THE FICTIVE VOLUMES OF SODIUM SULFATE IN SOLUTION. Gibson, R.E. J. Phys. Chem.; 31: 496-510(1927).
Ambient pressure, tabulated and graphical data, empirical equations. SODIUM SULFATES; AQUEOUS SOLUTIONS;DENSITY;APPARENT MOLAL VOLUME;

DILATOMETRY;PYCNOMETERS;MEDIUM TEMPERATURE

4739 APPARENT HYDRATION OF IONS. PART I. DENSITIES AND VISCOSITIES OF SATURATED SOLUTIONS OF SODIUM AND POTASSIUM CHLORIDES IN HYDROCHLORIC ACID. Ingham, J.W. J. Am. Chem. Soc.; 50: 1917-30(1928).
Ambient pressure, 25°C, experimental data. DENSITY;VISCOSITY;SOLUTIONS;SATURATION;SODIUM CHLORIDES;POTASSIUM CHLORIDES;HYDROCHLORIC ACID; MEDIUM TEMPERATURE

4740 COMPRESSIBILITY OF AQUEOUS SOLUTIONS. Perman, E.P.; Urry, W.D. Proc. R. Soc. (London), Ser. A; 126: 44-78(1929).
1 to 200 atm, 30° to 80°C, experimental data. COMPRESSIBILITY;POTASSIUM CHLORIDES; CALCIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4741 *THEORY OF MOLAL VOLUMES OF AQUEOUS* ELECTROLYTES. II. Redlich, O.; Rosenfeld, P. Z. Elektrochem.; 37: 705-11(1931). (In German).
Ambient pressure, 0° to 50°C. APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;AQUEOUS SOLUTIONS; ELECTROLYTES;SODIUM CHLORIDES;POTASSIUM CHLORIDES

4742 APPARENT VOLUMES OF SALTS IN SOLUTION. I. TEST OF THE EMPIRICAL RULE OF MASSON. Scott, A.F. J. Phys. Chem.; 35: 2315-29(1931).
Ambient pressure, 0° to 100°C, calculated data. APPARENT MOLAL VOLUME;SOLUTIONS;POTASSIUM CHLORIDES;SODIUM CHLORIDES;CALCIUM CHLORIDES; MEDIUM TEMPERATURE

4743 EQUILIBRIUM IN BINARY SYSTEMS UNDER PRESSURE. I. EXPERIMENTAL AND THERMODYNAMIC INVESTIGATIONS OF THE SYSTEM, NACL--H_2O, AT 25°C. Adams, L.H. J. Am. Chem. Soc.; 53: 3769-813(1931).
0 to 12 Kb, piston-displacement method, tabulated. SODIUM CHLORIDES;AQUEOUS SOLUTIONS; THERMODYNAMIC PROPERTIES;COMPRESSIBILITY; EQUILIBRIUM;MEDIUM TEMPERATURE

4744 SONIC STUDIES OF THE PHYSICAL PROPERTIES OF LIQUIDS. II. VELOCITY OF SOUND IN SOLUTIONS OF CERTAIN ALKALI HALIDES AND THEIR COMPRESSIBILITIES. Freyer, E.B. J. Am. Chem. Soc.; 53: 1313-20(1931).
Ambient pressure, 15° to 55°C, tabulated and graphical experimental data, empirical equations. SOUND WAVES;VELOCITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;COMPRESSIBILITY; MEDIUM TEMPERATURE

4745 APPARENT MOLAL VOLUMES OF DISSOLVED ELECTROLYTES. Geffcken, W. 155: 1-28(1931). (In German).
0° to 100°C, ambient presure, test of published data. APPARENT MOLAL VOLUME; ELECTROLYTES;DENSITY;POTASSIUM FLUORIDES; POTASSIUM CHLORIDES;SODIUM CHLORIDES; HYDROCHLORIC ACID;MEDIUM TEMPERATURE

4746 FICTIVE VOLUMES OF SODIUM SULFATE IN AQUEOUS SOLUTIONS OF SULFURIC ACID AND OF IODINE IN AQUEOUS SOLUTIONS OF POTASSIUM IODIDE. Gibson, R.E. J. Phys. Chem.; 35: 690-9(1931).
25°C, ambient pressure, tabulated and graphical data, empirical equations. PARTIAL MOLAL VOLUME;DENSITY;SODIUM SULFATES;AQUEOUS SOLUTIONS;POTASSIUM IODIDES;SULFURIC ACID; MEDIUM TEMPERATURE;PYCNOMETERS

4747 CONCENTRATION DEPENDENCE OF EQUIVALENT REFRACTION OF STRONG ELECTROLYTES IN SOLUTION. Pesce, G. 160: 295-300(1932). (In German).
Ambient pressure, 25°C, experimental data. QUANTITY RATIO;CALCIUM CHLORIDES;SODIUM CARBONATES;AQUEOUS SOLUTIONS;DENSITY; PYCNOMETERS;REFRACTION;MEDIUM TEMPERATURE

4748 EQUILIBRIUM BETWEEN POTASSIUM CHLORIDE, SODIUM CHLORIDE, AND WATER FROM -23 TO 190°C. Cornec, E.; Krombach, H. Ann. Chim. (Paris); 18: 5-31(1932). (In French).
Ambient pressure, tabulated and graphical experimental data. EQUILIBRIUM;POTASSIUM CHLORIDES;SODIUM CHLORIDES;WATER;PARTIAL MOLAL VOLUME;LOW TEMPERATURE;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4749 EQUILIBRIUM IN BINARY SYSTEMS UNDER PRESSURE. II. SYSTEM K_2SO_4--H_2O AT 25°C. Adams, L.H. J. Am. Chem. Soc.; 54: 2229-43(1932).
0 to 10 Kb, piston-displacement method, tabulated data. EQUILIBRIUM;POTASSIUM SULFATES; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE; COMPRESSIBILITY;DENSITY;PYCNOMETERS

4750 SPECIFIC GRAVITY AND THE VAPOR PRESSURE OF CONCENTRATED SEA WATER AT 0°-175°C. Hara, R.; Nakamura, K.; Higashi, K. Tohoku Imperial Univ. Tech. Rept.; 10: 433-52(1932).
Ambient pressure, tabulated experimental data. DENSITY;VAPOR PRESSURE;SEAWATER;SODIUM CHLORIDES;PYCNOMETERS;DILATOMETRY;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4751 VAPOR PRESSURE OF WATER OVER AQUEOUS SOLUTIONS OF CHLORIDES OF THE ALKALINE EARTH METALS. III. CORRELATION WITH OTHER PHYSICAL PROPERTIES OF THE SOLUTIONS. Hepburn, J.R.I. J. Chem. Soc., A; 1932: 575-82(1932).
Ambient pressure, 0° to 25°C. VAPOR PRESSURE; WATER;AQUEOUS SOLUTIONS;CALCIUM CHLORIDES; DENSITY;MEDIUM TEMPERATURE

4752 *PARTIAL MOLAL VOLUMES OF COBALT SULFATE* AND CADMIUM IODIDE. Cantelo, R.C.; Phifer, H.E. J. Am. Chem. Soc.; 55: 1333-8(1933).
Ambient pressure, 25°C, tabulated and graphical experimental data, empirical equations. PARTIAL MOLAL VOLUME;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE;COBALT SULFATES; CADMIUM IODIDES

4753 APPARENT MOLAL VOLUMES OF DISSOLVED ELECTROLYTES. II. PRESSURE COEFFICIENT OF APPARENT MOLAL VOLUMES. Geffcken, W. 167: 240-4(1933). (In German).
Ambient pressure, 25°C, theoretical study. APPARENT MOLAL VOLUME;POTASSIUM CHLORIDES; SODIUM CHLORIDES;CALCIUM CHLORIDES;MEDIUM TEMPERATURE

4754 MOLAR REFRACTION IN DILUTE SOLUTIONS. I. DIFFERENTIAL METHOD FOR PRECISION MEASUREMENT OF THE DENSITY. Geffcken, W.; Beckmann, C.; Kruis, A. 20: 398-419(1933). (In German).
25°C, ambient pressure, tabulated data. DENSITY;APPARENT MOLAL VOLUME;SODIUM CHLORIDES; SODIUM CARBONATES;MEDIUM TEMPERATURE

4755 COMPRESSIBILITY OF SOLUTIONS. I. APPARENT MOLAL COMPRESSIBILITY OF STRONG ELECTROLYTES. Gucker, F.T. J. Am. Chem. Soc.; 55: 2709-18(1933).
Ambient pressure, 0° to 80°C, calculated data. COMPRESSIBILITY;APPARENT MOLAL VOLUME; POTASSIUM CHLORIDES;SODIUM CHLORIDES;CALCIUM CHLORIDES;MEDIUM TEMPERATURE

4756 APPARENT MOLAL HEAT CAPACITY, VOLUME, AND COMPRESSIBILITY OF ELECTROLYTES. Gucker, F.T. Chem. Rev.; 13: 111-30(1933).
Ambient pressure, 25°C, calculated data. SPECIFIC HEAT;APPARENT MOLAL VOLUME; COMPRESSIBILITY;HYDROCHLORIC ACID;POTASSIUM CHLORIDES;SODIUM CHLORIDES;CALCIUM CHLORIDES; POTASSIUM HYDROXIDES;SODIUM HYDROXIDES;MEDIUM TEMPERATURE

4757 VISCOSITY OF AQUEOUS SOLUTIONS AS A FUNCTION OF THE CONCENTRATION. Jones, G.; Talley, S.K. J. Am. Chem. Soc.; 55: 624-42(1933).
Ambient pressure, 25°C, experimental data. VISCOSITY;AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; PYCNOMETERS;DENSITY;MEDIUM TEMPERATURE

4758 VISCOSITY OF AQUEOUS SOLUTIONS AS A FUNCTION OF THE CONCENTRATION. II. POTASSIUM BROMIDE AND POTASSIUM CHLORIDE. Jones, G.; Talley, S.K. J. Am. Chem. Soc.; 55: 4124-5(1933).
Ambient presure, 25°C, experimental data. VISCOSITY;AQUEOUS SOLUTIONS;POTASSIUM BROMIDES; POTASSIUM CHLORIDES;DENSITY;PYROMETERS;MEDIUM TEMPERATURE

4759 ELECTROLYTIC CONDUCTIVITY OF ALKALINE EARTH CHLORIDES IN WATER AT 25°. Shedlovsky, T.; Brown, A.S. J. Am. Chem. Soc.; 56: 1066-71(1934).
Ambient pressure, 25°C, experimental and calculated data, empirical equation. DENSITY; CALCIUM CHLORIDES;AQUEOUS SOLUTIONS;WATER; MEDIUM TEMPERATURE;PYCNOMETERS;ELECTROLYTES; ELECTRIC CONDUCTIVITY

4760 COMPRESSIBILITY OF DILUTE ELECTROLYTE SOLUTIONS. Szalay, A. Z. Phys.; 35: 639-43(1934). (In German).
Ambient pressure, 25° to 30°C, experimental results. COMPRESSIBILITY;SODIUM CHLORIDES; POTASSIUM CHLORIDES;VELOCITY;SOUND WAVES;MEDIUM TEMPERATURE

4761 COMPRESSIBILITY OF AQUEOUS SOLUTIONS. II. Thomas, W.C.; Perman, E.P. Proc. R. Soc. (London), Ser. A; 146: 640-50(1934).
0 to 100 atm, 30°C, experimental data. COMPRESSIBILITY;AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; PIEZOMETRY;MEDIUM TEMPERATURE;MEDIUM PRESSURE

4762 COMPRESSIBILITY OF AQUEOUS SOLUTIONS. Lanman, E.H.; Mair, B.J. J. Am. Chem. Soc.; 56: 390-3(1934).
100 to 300 M bars, 25°C, piezometry, experimental data. COMPRESSIBILITY;AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES;HYDROCHLORIC ACID; POTASSIUM HYDROXIDES;MEDIUM TEMPERATURE;HIGH PRESSURE;SODIUM HYDROXIDES

4763 COMPRESSIBILITY COEFFICIENTS OF SOLUTIONS OF EIGHT ALKALI HALIDES. Scott, A.F.; Obenhaus, V.M.; Wilson, R.W. J. Phys. Chem.; 38: 931-40(1934).
100 to 300 Mb, 35°C, experimental data. COMPRESSIBILITY;SOLUTIONS;DENSITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;PIEZOELECTRICITY; MEDIUM TEMPERATURE

4764 APPARENT VOLUMES OF SALTS IN SOLUTION AND THEIR COMPRESSIBILITIES. Scott, A.F.; Wilson, R.W. J. Phys. Chem.; 38: 951-77(1934).
200 atm, 35°C, calculated data, empirical equation. APPARENT MOLAL VOLUME;COMPRESSIBILITY; SODIUM CHLORIDES;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE;HIGH PRESSURE

4765 DEPENDENCE OF THE APPARENT MOLAL VOLUME AND APPARENT MOLAL REFRACTION IN DILUTE SOLUTIONS ON CONCENTRATION. Geffcken, W.; Price, D. 26: 81-99(1934). (In German).
Ambient pressure, 25°C, tabulated and graphical data. DENSITY;APPARENT MOLAL VOLUME; POTASSIUM CHLORIDES;SODIUM SULFATES;SODIUM CARBONATES;PYCNOMETERS;MEDIUM TEMPERATURE

4766 NOTE ON THE COMPUTATION OF THE PARTIAL VOLUMES OF THE COMPONENTS OF AQUEOUS SOLUTIONS. Gibson, R.E. J. Phys. Chem.; 38: 319-26(1934).
Ambient pressure, 25°C, tables, graphs, empirical equations. PARTIAL MOLAL VOLUME; SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM SULFATES;MEDIUM TEMPERATURE

4767 VISCOSITIES OF AQUEOUS SOLUTIONS OF ELECTROLYTES. PART I. SODIUM SULFATE SOLUTIONS OVER THE TEMPERATURE RANGE 25-40°. Glass, H.M.; Madgin, W.M. J. Chem. Soc., A; 1934: 1124-8(1934).
Ambient pressure, 25°C, experimental data. VISCOSITY;AQUEOUS SOLUTIONS;ELECTROLYTES;SODIUM SULFATES;DENSITY;PYCNOMETERS

4768 APPARENT MOLAL EXPANSIBILITY OF ELECTROLYTES AND THE COEFFICIENT OF EXPANSIBILITY (THERMAL EXPANSION) AS A FUNCTION OF CONCENTRATION. Gucker, F.T. J. Am. Chem. Soc.; 56: 1017-21(1934).
Ambient pressure, 0° to 70°C, calculated data. APPARENT MOLAL VOLUME;SOLUTIONS;POTASSIUM CHLORIDES;SODIUM CHLORIDES;MEDIUM TEMPERATURE; THERMAL EXPANSION

4769 CALCULATED PARTIAL MOLAL SOLUTE QUANTITIES AS FUNCTIONS OF VOLUME CONCENTRATION, WITH SPECIAL REFERENCE TO THE APPARENT MOLAL VOLUME. Gucker, F.T., Jr. J. Phys. Chem.; 38: 307-17(1934).
Ambient pressure, 25°C, graphs, empirical equations. APPARENT MOLAL VOLUME;CALCIUM CHLORIDES;SOLUTIONS;MEDIUM TEMPERATURE

4770 TRANSFERENCE NUMBERS OF AQUEOUS SOLUTIONS OF SOME ELECTROLYTES AT 25° BY THE MOVING BOUNDARY METHOD. Longsworth, L.G. J. Am. Chem. Soc.; 57: 1185-91(1935).
Ambient pressure, 25°C. AQUEOUS SOLUTIONS; ELECTROLYTES;PARTIAL MOLAL VOLUME;CALCIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM SULFATES; EQUATIONS;MEDIUM TEMPERATURE

4771 VELOCITY OF ULTRASOUND IN COLLOIDAL SOLUTIONS. Passynski, A. Acta Physicochim. URSS; 3: 779-82(1935). (In German).
2.6 to 21.3 wt. percent, ambient pressure, 20°C. VELOCITY;COLLOIDS;SOUND WAVES;DENSITY; SODIUM CHLORIDES;PYCNOMETERS;MEDIUM TEMPERATURE

4772 COMPRESSIBILITY OF STRONG ELECTROLYTES. Falkenhagen, H.; Bachem, C. Z. Elektrochem.; 41: 570-5(1935). (In German).
Ambient pressure, 25°C, concentration dependence, tabulated experimental data. COMPRESSIBILITY;APPARENT MOLAL VOLUME;SODIUM CHLORIDES;SODIUM CARBONATES;SOUND WAVES; ULTRASONIC WAVES;MEDIUM TEMPERATURE

4773 INFLUENCE OF THE CONCENTRATION AND NATURE OF THE SOLUTE ON THE COMPRESSIONS OF CERTAIN AQUEOUS SALTS. Gibson, R.E. J. Am. Chem. Soc.; 57: 284-93(1935).
1 to 1000 bars, 25°C, experimental and calculated data. AQUEOUS SOLUTIONS; COMPRESSIBILITY;POTASSIUM CHLORIDES;SODIUM CARBONATES;PYCNOMETERS;MEDIUM TEMPERATURE;HIGH PRESSURE

4774 CRITICAL TEMPERATURE OF WATERS AND THE AQUEOUS SOLUTION OF SODIUM SILICATES. Chitarow, N.I.; Iwanow, L.A. Zentralb. Mineral., Sec. A.; No. 2, 46-54(1936).
SODIUM SILICATES;CRITICAL TEMPERATURE; AQUEOUS SOLUTIONS;WATER;PHASE STUDIES

4775 DEPENDENCE ON CONCENTRATION OF THE APPARENT MOLAL VOLUMES OF A STRONG ELECTROLYTE. Kruis, A. 34: 1-12(1936). (In German).
Ambient pressure, 25°C, experimental data. APPARENT MOLAL VOLUME;QUANTITY RATIO; ELECTROLYTES;DENSITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;DILATOMETRY;MEDIUM TEMPERATURE

4776 COMPRESSIBILITY OF AQUEOUS SOLUTIONS. Brander, E. Fennica Sci. Soc. Commentationes Phys.-Math.; 9: 1-8(1936). (In German).
157 to 472 Kg/cm², 0° to 12°C, calculated data, empirical equations. COMPRESSIBILITY; SODIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4777 PARTIAL MOLAL VOLUMES OF POTASSIUM CHLORIDE, POTASSIUM BROMIDE, AND POTASSIUM SULFATE IN SODIUM CHLORIDE SOLUTIONS. Wirth, H.E. J. Am. Chem. Soc.; 59: 2549-54(1937).
Ambient pressure, 25°C, experimental data. PARTIAL MOLAL VOLUME;POTASSIUM CHLORIDES; POTASSIUM BROMIDES;POTASSIUM SULFATES;SODIUM CHLORIDES;SOLUTIONS;DENSITY

4778 ELECTRICAL CONDUCTIVITIES AND VISCOSITIES AT 25°C OF SOLUTIONS OF POTASSIUM, SODIUM, AND LITHIUM CHLORIDES IN WATER AND IN ONE-TENTH MOLAR HYDROCHLORIC ACID. Nickels, L.; Allmand, A.J. J. Phys. Chem.; 41: 861-72(1937).
ELECTRIC CONDUCTIVITY;VISCOSITY;POTASSIUM CHLORIDES;SODIUM CHLORIDES;LITHIUM CHLORIDES; WATER;HYDROCHLORIC ACID;PYCNOMETERS;DENSITY; MEDIUM TEMPERATURE

4779 VAPOR PRESSURES AND PARTIAL MOLAL VOLUMES OF AQUEOUS SOLUTIONS OF THE ALKALI SULFATES AT 25°. Pearce, J.N.; Eckstrom, H.C. J. Am. Chem. Soc.; 59: 2689-91(1937).
Ambient pressure, 25°C, experimental ata. VAPOR PRESSURE;APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;AQUEOUS SOLUTIONS;POTASSIUM SULFATES;SODIUM SULFATES;PYCNOMETERS;DENSITY

4780 DETERMINATION OF THE VISCOSITY AND DENSITY OF CAUSTIC AQUEOUS SOLUTIONS. Sevzov, A.I. Zh. Prikl. Khim.; 10: 1500-3(1937). (In Russian).
Ambient pressure, 15° to 95°C, experimental data. VISCOSITY;DENSITY;AQUEOUS SOLUTIONS; SODIUM HYDROXIDES;SODIUM CARBONATES

4781 VISCOSITY OF AQUEOUS SOLUTIONS OF ELECTROLYTES AS A FUNCTION OF CONCENTRATION. V. SODIUM CHLORIDE. Jones, G.; Christian, S.M. J. Am. Chem. Soc.; 59: 484-6(1937).
Ambient pressure, 0° and 25°C, experimental data. VISCOSITY;AQUEOUS SOLUTIONS;ELECTROLYTES; DENSITY;SODIUM CHLORIDES;PYCNOMETERS

4782 SURFACE TENSION OF SOLUTIONS OF ELECTROLYTES AS A FUNCTION OF THE CONCENTRATION. I. DIFFERENTIAL METHOD FOR MEASURING RELATIVE SURFACE TENSION. Jones, G.; Ray, W.A. J. Am. Chem. Soc.; 59: 187-98(1937).
Ambient pressure, 25°C, tabulated experimental data, empirical equations. DENSITY; POTASSIUM CHLORIDES;POTASSIUM SULFATES; PYCNOMETERS;MEDIUM TEMPERATURE;SURFACE TENSION; ELECTROLYTES;SOLUTIONS

4783 COMPRESSIBILITY AND SOLVATION OF SOLUTIONS OF ELECTROLYTES. Passynski, A. Acta Physicochim. URSS; 8: 385-418(1938).
Ambient pressure, 20°C, experimental data. COMPRESSIBILITY;SOLVATION;POTASSIUM CHLORIDES; SODIUM CHLORIDES;VELOCITY;SOUND WAVES;SOLUTIONS; ELECTROLYTES;DENSITY;PYCNOMETERS;MEDIUM TEMPERATURE

4784 DEPENDENCE OF DENSITY AND REFRACTIVE INDEX ON THE CONCENTRATION OF VERY DILUTE AQUEOUS SOLUTIONS OF STRONG ELECTROLYTES. DIFFERENTIAL METHOD FOR THE DETERMINATION OF SMALL DIFFERENCES IN DENSITY. Prang, W. Annal. Phys., 5th Ser.; 31: 681-713(1938). (In German).
Ambient pressure, 18°C, differential float method, experimental data. DENSITY;AQUEOUS SOLUTIONS;ELECTROLYTES;QUANTITY RATIO;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM SULFATES; SODIUM CARBONATES;POTASSIUM CARBONATES;MEDIUM TEMPERATURE

4785 SPECIFIC GRAVITIES OF PURE AND MIXED SALT SOLUTIONS IN THE TEMPERATURE RANGE OF 0° TO 25°. Bremner, R.W.; Thompson, T.G.; Utterback, C.L. J. Am. Chem. Soc.; 60: 2615-18(1938).
Ambient pressure, tabulated experimental data, empirical equations. SODIUM CHLORIDES; POTASSIUM CHLORIDES;MAGNESIUM SULFATES; SOLUTIONS;DENSITY;MEDIUM TEMPERATURE

4786 NOTE ON THE DENSITY OF AQUEOUS SOLUTIONS OF HYDROCHLORIC ACID. Akerlof, G.; Teare, J.W. J. Am. Chem. Soc.; 60: 1226-8(1938).
Ambient pressure, 0° to 80°C, tables, graphs, empirical equations. DENSITY;AQUEOUS SOLUTIONS;HYDROCHLORIC ACID;THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE;APPARENT MOLAL VOLUME

4787 PROPERTIES OF SATURATED AQUEOUS SOLUTIONS OF POTASSIUM CHLORIDE AT TEMPERATURES ABOVE 250°. Benedict, M. J. Geol.; 47: 252-276(1939).
STEAM;WATER;POTASSIUM CHLORIDES;HIGH TEMPERATURE;SATURATION;AQUEOUS SOLUTIONS; THERMODYNAMIC PROPERTIES;PHASE STUDIES; EQUILIBRIUM

4788 MAXIMUM DENSITY AND COMPRESSIBILITY OF

SALT SOLUTIONS. Merkel, J.H.C. Rec. Trav. Chim.; 58: 465-70(1939). (In German).
Theoretical discussion. DENSITY; COMPRESSIBILITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SOLUTIONS

4789 DENSITY OF AQUEOUS SOLUTIONS OF SODIUM HYDROXIDE. Akerlof, G.; Kegeles, G. J. Am. Chem. Soc.; 61: 1027-32(1939).
Ambient pressure, 0° to 70°C, tables, graphs, empirical equations. SODIUM HYDROXIDES; DENSITY;PYCNOMETERS;THERMODYNAMIC PROPERTIES; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;APPARENT MOLAL VOLUME

4790 APPARENT AND PARTIAL MOLAL VOLUMES OF SODIUM CHLORIDE AND HYDROCHLORIC ACID IN MIXED SOLUTIONS. Wirth, H.E. J. Am. Chem. Soc.; 62: 1128-34(1940).
Ambient pressure, 25°C, experimental data. APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME; SODIUM CHLORIDES;HYDROCHLORIC ACID;SOLUTIONS; MIXTURES;MEDIUM TEMPERATURE

4791 PROBLEM OF THE DENSITY OF SEA WATER. Wirth, H.E. J. Mar. Res.; 3: 230-47(1940).
Ambient pressure, 25°C, experimental data. DENSITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES; CALCIUM CHLORIDES;SEAWATER;MEDIUM TEMPERATURE

4792 RELATION BETWEEN THE COEFFICIENT OF THERMAL EXPANSION AND STRUCTURE OF SOLUTIONS. Wright, R. J. Chem. Soc., A; 1940: 870-3(1940).
Ambient pressure, 25° to 78°C, experimental data. THERMAL EXPANSION;SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE

4793 PARTIAL MOLAL VOLUMES OF SOME SALTS IN AQUEOUS SOLUTIONS. Zen, E-an. Geochim. Cosmochim. Acta; 12: 103-22(1940).
Ambient pressure, 0° to 25°C. PARTIAL MOLAL VOLUME;AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; SODIUM CHLORIDES;HYDROCHLORIC ACID;POTASSIUM HYDROXIDES;SODIUM HYDROXIDES;CALCIUM CHLORIDES; SODIUM CARBONATES;POTASSIUM SULFATES;SODIUM SULFATES;SULFURIC ACID;REVIEWS;MEDIUM TEMPERATURE

4794 MOLAL VOLUMES OF SOLUTES. IV. Redlich, O. J. Phys. Chem.; 44: 619-29(1940).
Ambient pressure, 0° to 50°C, calculated data, empirical equations. APPARENT MOLAL VOLUME;SODIUM CHLORIDES;POTASSIUM CHLORIDES; MEDIUM TEMPERATURE

4795 VISCOSITY OF SOLUTIONS OF ELECTROLYTES AS A FUNCTION OF THE CONCENTRATION. VII. SILVER NITRATE, POTASSIUM SULFATE, AND POTASSIUM CHROMATE. Jones, G.; Colvin, J.H. J. Am. Chem. Soc.; 62: 338-40(1940).
Ambient pressure, 25°C, tabulated experimental data. VISCOSITY;SOLUTIONS; ELECTROLYTES;DENSITY;POTASSIUM SULFATES; PYCNOMETERS;MEDIUM TEMPERATURE;QUANTITY RATIO

4796 COMPRESSIBILITY OF MONO-MONOVALENT ELECTROLYTE SOLUTIONS. Lunden, B. Svensk Kemisk Tidshrift; 53: 86-96(1941). (In German).
Ambient pressure, 20°C, experimental data. COMPRESSIBILITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SOUND WAVES;VELOCITY;APPARENT MOLAL VOLUME;MEDIUM TEMPERATURE

4797 CALCULATION OF THE EFFECTS OF PRESSURE UPON IONIC EQUILIBRIUM IN PURE WATER AND IN SALT SOLUTIONS. Owen, B.B.; Brinkley, S.R., Jr. Chem. Rev.; 29: 461-74(1941).
Ambient pressure, 25°C, experimental data. PRESSURE DEPENDENCE;WATER;SALTS;EQUILIBRIUM; IONS;PARTIAL MOLAL VOLUME;COMPRESSIBILITY; HYDROCHLORIC ACID;POTASSIUM HYDROXIDES; POTASSIUM CHLORIDES;SODIUM CHLORIDES;SODIUM SULFATES;SODIUM CARBONATES;MEDIUM TEMPERATURE

4798 DENSITY OF AQUEOUS SOLUTIONS OF POTASSIUM HYDROXIDE. Akerlof, G.; Bender, P. J. Am. Chem. Soc.; 63: 1085-8(1941).
Ambient pressure, 0° to 70°C, tables, graphs, and empirical equations. POTASSIUM HYDROXIDES;DENSITY;AQUEOUS SOLUTIONS; THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE; APPARENT MOLAL VOLUME

4799 STUDY ON PARTIAL SPECIFIC VOLUMES IN BINARY AND TERNARY SOLUTIONS. Drucker, C. Arkiv Kemi, Mineral. Geol.; 14A: 1-48(1941). (In German).
Ambient pressure, 25°C, tabulated and graphical experimental data, empirical equations. CALCIUM CHLORIDES;SODIUM SULFATES; SOLUTIONS;BINARY MIXTURES;DENSITY;PYCNOMETERS; MEDIUM TEMPERATURE

4800 PRESSURE--VOLUME RELATIONS IN SOLUTIONS. IV. APPARENT VOLUMES AND THERMAL EXPANSIBILITIES OF SODIUM CHLORIDE AND SODIUM BROMIDE IN AQUEOUS SOLUTIONS BETWEEN 25° AND 95°. Gibson, R.E.; Loeffler, O.H. J. Am. Chem. Soc.; 63: 443-9(1941).
1 to 1000 bars, 25° to 95°C, tabulated and graphical experimental data, empirical equations. THERMAL EXPANSION;SODIUM CHLORIDES; SODIUM BROMIDES;AQUEOUS SOLUTIONS;APPARENT MOLAL VOLUME;DILATOMETRY;MEDIUM TEMPERATURE

4801 PARTIAL MOLAL VOLUMES OF POTASSIUM SALTS OF THE HOFMEISTER SERIES. Halasey, Sr.M.E. J. Phys. Chem.; 45: 1252-63(1941).
Ambient pressure, 5 to 30°C, experimental data. PARTIAL MOLAL VOLUME;POTASSIUM CHLORIDES; SODIUM CHLORIDES;POTASSIUM SULFATES;DILATOMETRY; MEDIUM TEMPERATURE

4802 MOLAL VOLUMES OF SOLUTES. VI. POTASSIUM CHLORATE AND HYDROCHLORIC ACID. Redlich, O.; Bigeleisen, J. J. Am. Chem. Soc.; 64: 758-60(1942).
Ambient pressure, 25°C, experimental data, empirical equation. HYDROCHLORIC ACID;DENSITY; MEDIUM TEMPERATURE;CHLORATES;POTASSIUM COMPOUNDS;PARTIAL MOLAL VOLUME

4803 THERMODYNAMIC PROPERTIES OF ELECTROLYTES AT INFINITE DILUTION. Redlich, O.; Bigeleisen, J. Chem. Rev.; 30: 171-9(1942).
Ambient pressure, 25°C, calculated data. THERMODYNAMIC PROPERTIES;ELECTROLYTES;DILUTION; APPARENT MOLAL VOLUME;HYDROCHLORIC ACID;MEDIUM TEMPERATURE

4804 APPARENT VOLUMES OF INDIVIDUAL IONS IN AQUEOUS SOLUTIONS. Fajans, K.; Johnson, O. J. Am. Chem. Soc.; 64: 668-78(1942).
Ambient pressure, 25° to 55°C, calculations. SODIUM CHLORIDES;POTASSIUM CHLORIDES;APPARENT MOLAL VOLUME;DILUTION;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4805 APPARENT MOLAL VOLUMES OF AQUEOUS SOLUTIONS OF SULFURIC ACID AT 25°C. Klotz, I.M.; Eckert, C.F. J. Am. Chem. Soc.; 64: 1878-80(1942).
Ambient pressure, experimental data. DENSITY; APPARENT MOLAL VOLUME;SULFURIC ACID;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4806 COMPRESSIBILITY OF ELECTROLYTE SOLUTIONS. Lunden, B. Z. Phys. Chem.; 192: 345-78(1943). (In German).
Ambient pressure, 20°C, tabulated experimental data. COMPRESSIBILITY;SOUND WAVES; VELOCITY;SOLUTIONS;HYDROCHLORIC ACID;MEDIUM TEMPERATURE

4807 SOME ASPECTS OF PRESSURE UPON THE PROPERTIES OF LIQUIDS AND SOLUTIONS OF ELECTROLYTES. Owen, B.B. J. Chem. Educ.; 21: 59-63(1944).
0 to 85°C, tabulated experimental data. PARTIAL MOLAL VOLUME;COMPRESSIBILITY;DENSITY; POTASSIUM CHLORIDES;SODIUM CHLORIDES;MEDIUM TEMPERATURE

4808 PARTIAL MOLECULAR VOLUMES AT 0°, OF WATER, SODIUM CHLORIDE, AND POTASSIUM CHLORIDE IN SOLUTIONS OF THOSE HALOGENS. Batuecus, T. An. Fis.; 42: 713-22(1946). (In Spanish).
WATER;SODIUM CHLORIDES;POTASSIUM CHLORIDES; AQUEOUS SOLUTIONS;VAPOR PRESSURE;APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME

4809 EQUILIBRIUM IN THE SYSTEM KCL--K_2SO_4--H_2O. Anosov, V.Ya.; Bysova, E.A. Akad. Nauk SSSR., Inst. Obshchei Neorg. Khim., Sektor Fiz.-Khim. Anal.; 15: 118-24(1947). (In Russian).
Ambient pressure, 0° to 70°C, tabulated experimental data. EQUILIBRIUM;POTASSIUM CHLORIDES;POTASSIUM SULFATES;AQUEOUS SOLUTIONS; DENSITY;VAPOR PRESSURE;PYCNOMETERS;SATURATION; MEDIUM TEMPERATURE

4810 EXTRAPOLATION OF APPARENT MOLAL PROPERTIES OF STRONG ELECTROLYTES. Owen, B.B.; Brinkley, S.R., Jr. Ann. N.Y. Acad. Sci.; 51: 753-64(1949).
Ambient pressure, 25°C, experimental data, empirical equations. APPARENT MOLAL VOLUME; POTASSIUM CHLORIDES;SODIUM CHLORIDES; HYDROCHLORIC ACID;MEDIUM TEMPERATURE

4811 NEW MEASUREMENTS OF THE HEAT CONDUCTIVITY OF STEAM AND NITROGEN. Keyes, F.G.; Sandell, D.J. Am. Soc. Mech. Engr., Trans.; 72: 767-778(1950).
STEAM;NITROGEN;THERMAL CONDUCTIVITY; MEASURING METHODS;DATA;PRESSURE DEPENDENCE; TEMPERATURE DEPENDENCE

4812 DETERMINATION OF THE DENSITY OF AQUEOUS SALT SOLUTIONS. Klarmann, B. Z. Anal. Chem.; 130: 186-92(1950). (In German).
Ambient pressure, 15° to 20°C. DENSITY; AQUEOUS SOLUTIONS;SALTS;MEDIUM TEMPERATURE

4813 MAGNETIC FLOAT METHOD FOR DETERMINING THE DENSITIES OF SOLUTIONS. MacInnes, D.A.; Dayhoff, M.O.; Ray, B.R. Rev. Sci. Instrum.; 22: 642-6(1951).
0.2 to 4.5 wt. percent, ambient pressure, 25°C, experimental data. DENSITY;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE

4814 VISCOSITY AS AN ANALYTICAL METHOD FOR ELECTROLYTE SOLUTIONS. Nicolai, H.W.; Ernst, W.; Wegkamp, H. Chem. Weekbl.; 47: 88-90(1951). (In Dutch).
Ambient pressure, 25°C, experimental data. SODIUM HYDROXIDES;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM SULFATES;MEDIUM TEMPERATURE; DENSITY

4815 STUDY OF SEVERAL PHYSICAL PROPERTIES OF ELECTROLYTES OVER THE TEMPERATURE RANGE OF 25°C TO -73°C. Garrett, A.B.; Woodruff, S.A. J. Phys. Colloid Chem.; 55: 477-90(1951).
Ambient pressure, 25°C and -73°C, graphical experimental data. DENSITY;VISCOSITY;ELECTRIC CONDUCTIVITY;ELECTROLYTES;DENSITY;HYDROCHLORIC ACID;SULFURIC ACID;PYCNOMETERS;MEDIUM TEMPERATURE;LOW TEMPERATURE

4816 THERMODYNAMIC PROPERTIES OF SATURATED WATER. Haywood, R.W. Proc. Inst. Mech. Eng. (London); 1: No. 2, 49-63(1952).
WATER;STEAM;THERMODYNAMIC PROPERTIES; SATURATION;DIAGRAMS;TEMPERATURE DEPENDENCE; ENTROPY

4817 PARTIAL MOLAL VOLUMES OF POTASSIUM CHLORIDE, POTASSIUM AND SODIUM IODIDES AND OF IODINE IN AQUEOUS SOLUTIONS AT 25°. MacInnes, D.A.; Dayhoff, M.O. J. Am. Chem. Soc.; 74: 1017-20(1952).
0.0086 to 0.60 molal, ambient pressure, experimental data. PARTIAL MOLAL VOLUME; POTASSIUM CHLORIDES;POTASSIUM IODIDES;SODIUM IODIDES;IODINE;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4818 MOLAL VOLUMES AND COMPRESSIBILITIES OF THE SYSTEM SODIUM CHLORIDE--WATER ABOVE THE CRITICAL TEMPERATURE OF WATER. Benson, S.W.; Copeland, C.S.; Pearson, D. J. Chem. Phys.; 21: 2208-12(1953).
380 to 400°C, 232 to 300 bars, tabulated and graphical experimental data, empirical equations. APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;COMPRESSIBILITY;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;HIGH TEMPERATURE

4819 DIFFUSION COEFFICIENTS FOR AQUEOUS SOLUTIONS OF CALCIUM CHLORIDE AND CESIUM CHLORIDE AT 25°. Lyons, P.A.; Riley, J.F. J. Am. Chem. Soc.; 76: 5126-220(1954).
Ambient pressure, 0.095 to 2.0 molar, experimental data. CALCIUM CHLORIDES;CESIUM CHLORIDES;AQUEOUS SOLUTIONS;PYCNOMETERS;DENSITY; MEDIUM TEMPERATURE

4820 MEASUREMENTS OF THE VELOCITY OF ULTRASOUND IN SEA WATER (BLACK SEA AND SEA OF MARMARA). Ener, C.; Taskoprulu, N.S. Istanbul Univ. Fac. Sci. Rev., Ser. C; 19: 105-9(1954).
Ambient pressure, 20°C, tabulated and graphical experimental data, empirical equation. ULTRASONIC WAVES;VELOCITY;SEAWATER; COMPRESSIBILITY;SALTS;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4821 STUDY OF AQUEOUS SOLUTIONS OF HYDROGEN CHLORIDE AND PERCHLORIC ACID BY METHODS OF PHYSICOCHEMICAL ANALYSIS. Klochko, M.A.; Kurbanov, M.Sh. Akad. Nauk SSSR, Sektor Fiz.-Khim. Anal. Izv.; 24: 237-51(1954). (In Russian).
Ambient pressures, -30° to 25°C, experimental data. AQUEOUS SOLUTIONS; HYDROCHLORIC ACID;DENSITY;PYCNOMETERS;VISCOSITY;

PERCHLORIC ACID;LOW TEMPERATURE;MEDIUM TEMPERATURE

4822 EXPERIMNTAL CHARACTERISTICS OF A PART OF THE SYSTEM H_2O--CO_2. Khitarov, N.I.; Malinin, S.D. Geokhimiya; No. 3, 18-27(1956).
WATER;CARBON DIOXIDE;HIGH TEMPERATURE;HIGH PRESSURE;INCLUSIONS;MINERALS;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;VOLUME;PHASE DIAGRAMS;THERMODYNAMIC PROPERTIES

4823 VOLUMES AND COMPRESSIBILITIES OF MIXTURES OF SOLUTIONS OF UNIVALENT ELECTROLYTES. Taskoprulu, N.S. Istanbul Univ. Fac. Sci. Rev., Ser. C; 21: 118-25(1956).
Ambient pressure, 26°C, experimental data. COMPRESSIBILITY;SOLUTIONS;MIXTURES;HYDROCHLORIC ACID;SODIUM HYDROXIDES;SODIUM CHLORIDES; VELOCITY;SOUND WAVES;PYCNOMETERS;DENSITY; PARTIAL MOLAL VOLUME

4824 VELOCITY OF SOUND AND THE COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF INORGANIC ACIDS. Mikhailov, I.G.; Shutilov, V.A. Leningrad Univ. Vestnik, Ser. Fiz. Khim.; No. 3, 16-28(1956). (In Russian).
Ambient pressure, 15° to 100°C, experimental data. COMPRESSIBILITY;AQUEOUS SOLUTIONS;SOUND WAVES;VELOCITY;SULFURIC ACID;HYDROCHLORIC ACID; MEDIUM TEMPERATURE;DENSITY

4825 PARTIAL MOLAL VOLUMES OF IONS IN AQUEOUS SOLUTIONS. I. DEPENDENCE ON CHARGE AND RADIUS. Couture, A.M.; Laidler, K.J. Can. J. Chem.; 34: 1209-16(1956).
25°C, ambient pressure. PARTIAL MOLAL VOLUME; AQUEOUS SOLUTIONS;CATIONS;ANIONS;IONS

4826 STANDARD PARTIAL MOLAL COMPRESSIBILITIES BY ULTRASONICS. I. SODIUM CHLORIDE AND POTASSIUM CHLORIDE AT 25°. Simmons, H.L.; Owen, B.B. J. Phys. Chem.; 61: 479-82(1957).
Ambient pressure, 25°C, calculated and experimental data. PARTIAL MOLAL VOLUME; COMPRESSIBILITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;VELOCITY;SOUND WAVES;MEDIUM TEMPERATURE

4827 CHANGES OF VOLUME ON MIXING ELECTROLYTIC SOLUTIONS WITH WATER. Tsujioka, A. 10: 15-28(1957).
Ambient pressure, 25°C, calculated data, empirical equation. ELECTROLYTES;SOLUTIONS; WATER;MIXTURES;DENSITY;DILUTION;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM HYDROXIDES; MEDIUM TEMPERATURE

4828 ULTRASONIC VELOCITY AND COMPRESSIBILITY OF STRONG ELECTROLYTE SOLUTIONS. Mikhailov, I.G.; Savina, L.I.; Feofanov, G.N. Leningrad Univ. Vestnik, Ser. Fiz. Khim.; 1957: No. 4, 25-42(1957). (In Russian).
Ambient pressure, 0° to 90°C, experimental data. SOUND WAVES;VELOCITY;COMPRESSIBILITY; ELECTROLYTES;POTASSIUM CHLORIDES;SODIUM CHLORIDES;SODIUM CARBONATES;SODIUM SULFATES; DENSITY

4829 STUDY OF SELECTIVE SOLUTIONS BY SOUND VELOCITY AND COMPRESSIBILITY MEASUREMENTS. Baranowski, B.; Jacob, H.P.; Sarnowski, M. Naturwissenschaften; 44: 30-1(1957). (In German).
Ambient pressure, 25°C, graphical experimental data. COMPRESSIBILITY;SOUND WAVES; VELOCITY;VAPOR PRESSURE;MEDIUM TEMPERATURE; PYCNOMETERS;CALCIUM CHLORIDES;DENSITY

4830 COMPRESSIBILITIES OF SODIUM AND POTASSIUM HYDROXIDES. Bhimasenachar, J.; Subrahmanyam, S.V. Nature (London); 179: 627-8(1957).
Ambient ressure, 25°C, graphical data, empirical equations. COMPRESSIBILITY;SODIUM HYDROXIDES;POTASSIUM HYDROXIDES;DIFFRACTION; MEDIUM TEMPERATURE

4831 COMPRESSIBILITIES OF MINERAL ACIDS. Bhimasenachar, J.; Subrahmanyam, S.V. J. Acoust. Soc. Am.; 29: 899-901(1957).
Ambient pressure, 27°C, experimental data, empirical equations. HYDROCHLORIC ACID;SULFURIC ACID;MEDIUM TEMPERATURE;SOUND WAVES; COMPRESSIBILITY

4832 EXPERIMENTAL INVESTIGATION OF THE EFFECT OF CONCENTRATION AND TEMPERATURE ON THE VISCOSITY OF STRONG ELECTROLYTE SOLUTIONS. PART III. KCL, K_2SO_4, $MGCL_2$, $BESO_4$, AND $MGSO_4$ SOLUTIONS. Kaminsky, M. Z. Phys. Chem., N.F.; 12: 206-31(1957). (In German).
Ambient pressure, 12.5° and 42.5°C. TEMPERATURE DEPENDENCE;DENSITY;POTASSIUM CHLORIDES;VISCOSITY;QUANTITY RATIO;SOLUTIONS; PYCNOMETERS;POTASSIUM SULFATES

4833 PHASE EQUILIBRIA IN THE SYSTEM H_2O--CO_2. Khitarov, N.I.; Malinin, S.D. Geokhimiya; No. 7, 678-9(1958). (English summary).
WATER;CARBON DIOXIDE;THERMAL WATERS;CHEMICAL REACTIONS;EQUILIBRIUM;HIGH TEMPERATURE;PHASE DIAGRAMS;CHEMICAL REACTION KINETICS;PHASE STUDIES

4834 VARIATION OF COMPRESSIBILITY OF WATER AND ELECTROLYTIC SOLUTIONS WITH TEMPERATURE. Mahapatra, P.K.; Ray, B.C. Indian J. Phys.; 32: 439-42(1958).
0.85, 1.7, and 3.4 normal, ambient pressure, 0° to 90°C, experimental data. COMPRESSIBILITY; WATER;ELECTROLYTES;TEMPERATURE DEPENDENCE; SODIUM CHLORIDES;SOUND WAVES;VELOCITY;MEDIUM TEMPERATURE

4835 DENSITY AND VISCOSITY OF SODIUM CARBONATE AND SODIUM SULFIDE SOLUTIONS. Brannland, R. Ost. Chem. Zeit.; 59: 104-6(1958). (In German).
20° and 50°C, ambient pressure. SODIUM CARBONATES;SODIUM SULFIDES;DENSITY;VISCOSITY; PYCNOMETERS;SOLUTIONS

4836 *PROPERTIES OF WATER. II. EQUATION OF* STATE OF WATER AND SEA WATER AT LOW TEMPERATURES AND PRESSURES. Eckart, C. Am. J. Sci.; 256: 225-40(1958).
0 to 1000 atm, 0° to 40°C, tabulated and graphical data, empirical equations. EQUATIONS OF STATE;WATER;SEAWATER;MEDIUM TEMPERATURE; THERMODYNAMIC PROPERTIES

4837 TRANSPORT PROPERTIES OF MULTICOMPONENT GAS MIXTURES AT HIGH TEMPERATURES. Baulknight, C.W. pp 92-99 of Thermodynamic and transport properties of gases, liquids, and solids. New York; McGraw-Hill Book Co., Inc. (1959).
CO_2, CO, H_2O, N_2, HCl. GASES;MIXTURES;HEAT TRANSFER;THERMODYNAMIC PROPERTIES;MASS TRANSFER; FLUID FLOW;ENERGY TRANSFER;CARBON DIOXIDE; CARBON MONOXIDE;WATER VAPOR;NITROGEN;MEDIUM

TEMPERATURE;HIGH TEMPERATURE;VERY HIGH TEMPERATURE;ULTRAHIGH TEMPERATURE;HYDROCHLORIC ACID

4838 THERMODYNAMIC AND ECONOMIC CONSIDERATIONS IN THE PREPARATION OF FRESH WATER FROM THE SEA. Tribus, M.; Asimow, R.; Richardson, N.; Gastaldo, C.; Elliott, K.; Chambers, J.; Evans, R. Dept. Eng. Report No. 59-34. Los Angeles; United States of America (USA); Univ. Calif. (1959). 170p.
Ambient pressure, 32° to 212°F.
THERMODYNAMIC PROPERTIES;ECONOMICS;FRESH WATER; PRODUCTION;SEAWATER;PARTIAL MOLAL VOLUME;SODIUM CHLORIDES;WATER;AQUEOUS SOLUTIONS;REVIEWS;DATA COMPILATION

4839 PHYSICO-CHEMICAL PROPERTIES OF SODIUM SILICATE SOLUTIONS. PART 7. DEPENDENCY OF DENSITY AND VISCOSITY ON THE COMPOSITION OF SODIUM SILICATE SOLUTIONS, AND ITS RELATION TO THE MOLECULAR BEHAVIOR IN SOLUTIONS. Ukinashi, H. Asahi Garasu Kenkyu Hokoku; 9: 137-61(1959). (In Japanese with English abstract).
Ambient pressure, 5° to 60°C, experimental data. DENSITY;VISCOSITY;CHEMICAL COMPOSITION; SODIUM SILICATES;SODIUM OXIDES;THERMAL EXPANSION;SOLUTIONS

4840 SOLUTIONS UNDER PRESSURE. Rosen, J.S. J. Chem. Phys.; 30: 547-55(1959).
0 to 13 kb, 25°C, calculated data, empirical equation. DENSITY;SODIUM CHLORIDES;POTASSIUM SULFATES;SOLUTIONS;MEDIUM TEMPERATURE;MEDIUM PRESSURE

4841 CONCERNING THE DENSITY OF SOLUTIONS IN THE SYSTEM H_2O--NACL--KCL. Klevtsov, P.V. Zap. Vses. Mineral. O-va.; 88: 93-6(1959). (In Russian).
Ambient pressure, 50° to 200°C, calculated data. DENSITY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4842 SYSTEM H_2O--NACL AT ELEVATED TEMPERATURES AND PRESSURES. Sourirajan, S.; Kennedy, G.C. Berkeley, CA; United States of America (USA); Univ. Calif., Lawrence Radiation Lab. (1960). 45p.
SODIUM CHLORIDES;SOLUBILITY;WATER;STEAM; SOLVENT PROPERTIES;HIGH TEMPERATURE;VERY HIGH PRESSURE;HOT SPRINGS;TEMPERATURE MEASUREMENT; PRESSURE MEASUREMENT;PHASE STUDIES;AQUEOUS SOLUTIONS

4843 ADIABATIC COMPRESSIBILITIES OF ELECTROLYTIC SOLUTIONS. Subrahmanyam, S.V. J. Sci. Ind. Res.; 19C: 333-6(1960).
Ambient pressure, 30°C, experimental results. COMPRESSIBILITY;ELECTROLYTES;POTASSIUM HYDROXIDES;SODIUM HYDROXIDES;PIEZOMETRY;MEDIUM TEMPERATURE;SOLUTIONS

4844 SOUND VELOCITY AND COMPRESSIBILITY OF AQUEOUS SOLUTIONS IN LIOH, NAOH, AND KOH. Mikhailov, I.G.; Fenjou. Leningrad Univ. Vesknik, Ser. Fiz. Khim.; 1960: No. 3, 22-35(1960). (In Russian).
Ambient pressure, 13° to 100°C, experimental data. SOUND WAVES;VELOCITY;COMPRESSIBILITY; AQUEOUS SOLUTIONS;LITHIUM HYDROXIDES;SODIUM HYDROXIDES;POTASSIUM HYDROXIDES;DENSITY

4845 VISCOSITY AND DENSITY OF FORMATION WATERS AND BINARY SOLUTIONS OF ELECTROLYTES AT VARIOUS TEMPERATURES AND PRESSURES. Sergeevich, V.I.; Zhuze, T.P. Tr. Akad. Nauk SSSR, Inst. Geol. i. Razrabotki Goruckikh Iskopaemikh; 2: 104-12(1960). (In Russian).
50 to 300 atm, 40°C, experimental data. VISCOSITY;DENSITY;BINARY MIXTURES;ELECTROLYTES; METHANE;WATER;MEDIUM TEMPERATURE;HIGH PRESSURE

4846 DENSITY AND HEAT CAPACITY FOR MIXED AQUEOUS SOLUTIONS OF THE CHLORIDES OF LITHIUM AND POTASSIUM AT 25°C. Kaputstinskii, A.F.; Stakhanova, M.S.; Vasilev, V.A. Izv. Akad. Nauk SSSR., Otd. Khim. Nauk; 1960: 2082-9(1960). (In Russian).
Ambient pressure, 25°C, experimental data, empirical equations. DENSITY;SPECIFIC HEAT; AQUEOUS SOLUTIONS;LITHIUM CHLORIDES;POTASSIUM CHLORIDES;PARTIAL MOLAL VOLUME;DENSIMETERS

4847 RELATIONS AMONG THE PRINCIPAL THERMODYNAMIC PARAMETERS IN A PART OF THE SYSTEM H_2O--NACL. Lemmlein, G.G.; Klevstov, P.V. 1961: 148-58(1961).
20 to 1750 atm, 150° to 500°C, experimental data. AQUEOUS SOLUTIONS;SODIUM CHLORIDES; PARTIAL MOLAL VOLUME;PRESSURE MEASUREMENT; TEMPERATURE MEASUREMENT

4848 STANDARD PARTIAL MOLAL COMPRESSIBILITIES BY ULTRASONICS. II. SODIUM AND POTASSIUM CHLORIDES AND BROMIDES FROM 0° TO 30°C. Owen, B.B.; Kronick, P.L. J. Phys. Chem.; 65: 84-7(1961).
0 to 0.07 normal, ambient pressure, experimental data. COMPRESSIBILITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;BROMIDES;SOUND WAVES;VELOCITY;MEDIUM TEMPERATURE

4849 SEA WATER RESEARCH PROGRESS SUMMARY REPORT. Univ. Calif., Dept. Engr. Rpt. N.60-70; Water Res. Center Contr., N. 32. Sacremento; United States of America (USA); Univ. Calif., Dept. Engr., Water Res. Center (1962). 108p.
SEAWATER;THERMODYNAMIC PROPERTIES;HEAT TRANSFER;RESEARCH PROGRAMS

4850 SYSTEM H_2O-NACL AT ELEVATED TEMPERATURES AND PRESSURES. Sourirajan, S.; Kennedy, G.C. Am. J. Sci.; 260: No. 2, 115-141(1962).
SODIUM CHLORIDES;WATER;AQUEOUS SOLUTIONS; SOLUBILITY;HIGH TEMPERATURE;VERY HIGH PRESSURE; SOLUBILITY;STEAM;HOT SPRINGS;MELTING;PHASE STUDIES

4851 THERMODYNAMIC PROPERTIES OF WATER IN SUSPENSIONS OF MONTILLONITE. Kolaian, J.H.; Low, P.F. pp 71-84 of Clay and clay minerals. Swineford, A. (ed.). New York; Pergamon Press (1962).
SUSPENSIONS;WATER;THERMODYNAMIC PROPERTIES; MEASURING METHODS;CLAYS;PARTICLES;ENTROPY; ENTHALPY

4852 PHYSICAL-CHEMICAL EXAMINATIONS ON THE SYSTEMS $MGCL_2$--HCL--H_2O, NACL--HCL--H_2O, AND KCL--HCL--H_2O. Volz-Fladrich, H. Freiberger Forschungh.; 134: 1-85(1962). (In German).
Ambient pressure, 0° to 45°C, experimental data. DENSITY;SODIUM CHLORIDES;HYDROCHLORIC ACID;WATER;POTASSIUM CHLORIDES;PYCNOMETERS; AQUEOUS SOLUTIONS

4853 TEMPERATURE DEPENDENCE OF ADIABATIC COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF SALTS

AT LOW CONCENTRATIONS. Mikhailov, I.G.; Syrnikov, Yu.P. pp 74-8 of Stoenie i fiz. svoistva veshchestva v zhidkom sostoyanii, min. vysshego i srednego spets. obrazov. Ukr. SSR. Kievsk. Gos. Univ., Materialy 4-go (Chervertogo) Soveshch., Kiev, 1959. (1962). (In Russian)
Ambient pressure, 58° to 74°C, experimental data. TEMPERATURE DEPENDENCE;COMPRESSIBILITY; AQUEOUS SOLUTIONS;ADIABATIC PROCESSES;SODIUM CHLORIDES;POTASSIUM CHLORIDES;CALCIUM CHLORIDES; MEDIUM TEMPERATURE

4854 ULTRASONIC STUDIES IN ELECTROLYTIC MIXTURES: COMPLEX ION FORMATION. Satyavati, T.; Jayarama Reddy, P.; Subrahmanyam, S.V. Jap. Phys. Soc. J.; 17: 1061-4(1962).
Ambient pressure, 25°C, experimental data. ADIABATIC PROCESSES;COMPRESSIBILITY;DENSITY; SODIUM CHLORIDES;POTASSIUM CHLORIDES;SOUND WAVES;VELOCITY

4855 APPARENT MOLAL VOLUME OF SODIUM HYDROXIDE AT INFINITE DILUTION AND THE VOLUME CHANGE ACCOMPANYING THE IONIZATION OF WATER. Bodanszky, A.; Kauzmann, W. J. Phys. Chem.; 66: 177-9(1962).
Ambient pressure, 30°C, experimental and calculated data, empirical equation. APPARENT MOLAL VOLUME;SODIUM HYDROXIDES;DILUTION; DILATOMETRY;POTASSIUM CHLORIDES;SODIUM CHLORIDES;HYDROCHLORIC ACID;MEDIUM TEMPERATURE

4856 ULTRASONIC BEHAVIOUR OF LIQUID SYSTEMS. ULTRASONIC VELOCITY AND ADIABATIC COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF MINERAL ACIDS AT DIFFERENT TEMPERATURES. Accascina, F.; Schaivo, S. pp 301-8 of Electrolytes, Proceedings of an International Symposium. (1962).
From Symposium on Electrolytes; Trieste (1959).
0 to 9 molar or ambient pressures, 15° to 60°C; graphical data. AQUEOUS SOLUTIONS; HYDROCHLORIC ACID;COMPRESSIBILITY;ADIABATIC PROCESSES;WATER;ULTRASONIC WAVES;THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE;PARTIAL MOLAL VOLUME

4857 DETERMINATION OF COEFFICIENTS FOR THERMODYNAMIC EQUATIONS FOR DETERMINING THE PROPERTIES OF SEA WATER, PARTICULARLY VAPOR PRESSURE. Gastaldo, C. Dept. Eng., Report 61-80. Los Angeles; United States of America (USA); Univ. California (1962). 149p.
0° to 175°C at ambient pressure. PARTIAL MOLAL VOLUME;QUANTITY RATIO;VAPOR PRESSURE; DENSITY;EQUATIONS;THERMODYNAMIC PROPERTIES; WATER;SEAWATER;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4858 COMPRESSIBILITIES OF MIXTURES OF ELECTROLYTES. Khare, P.L. J. Sci. Ind. Res.; 21B: 61-4(1962).
Ambient pressure, 30°C, experimental data. COMPRESSIBILITY;ELECTROLYTES;SODIUM SULFATES; SODIUM CHLORIDES;PYCNOMETERS;VELOCITY;SOUND WAVES;DENSITY;MEDIUM TEMPERATURE

4859 COMPRESSIBILITY OF DILUTE SOLUTIONS OF SULFURIC ACID. Khare, P.L. Trans. Faraday Soc.; 58: 363-7(1962).
Ambient pressure, 30°C, experimental data, empirical equations. COMPRESSIBILITY;SULFURIC ACID;SOLUTIONS;SOUND WAVES;VELOCITY;APPARENT MOLAL VOLUME;MEDIUM TEMPERATURE

4860 VOLUMETRIC AND HEAT CAPACITY CHANGES IN AQUEOUS SALT SOLUTIONS. I. SYSTEMS CSCL--LICL--H_2O AND CSCL--NACL--H_2O. Stanknanova, M.S.; Vasilev, V.A. Zh. Fiz. Khim.; 37: 1568-73(1963). (In Russian).
Ambient pressure, 25°C, experimental data. SPECIFIC HEAT;AQUEOUS SOLUTIONS;DENSITY; PYCNOMETERS;WATER;CESIUM CHLORIDES;LITHIUM CHLORIDES;SODIUM CHLORIDES;MEDIUM TEMPERATURE

4861 STUDIES ON THE STRUCTURE OF AQUEOUS IONIC SOLUTIONS BY ANALYSIS OF THE DENSITY AGAINST MOLALITY CURVES. Lengyel, S. Magy. Kem. Foly.; 69: 4-17(1963). (In Hungarian).
Ambient pressure, 0°, 25°, and 50°C, theoretical study, empirical equation. DENSITY; SODIUM CHLORIDES;POTASSIUM CHLORIDES; HYDROCHLORIC ACID;SODIUM HYDROXIDES;POTASSIUM HYDROXIDES;MEDIUM TEMPERATURE

4862 STUDIES ON THE STRUCTURE OF AQJEOUS SOLUTIONS CONTAINING TWO ELECTROLYTES BY DENSITY DETERMINATIONS. Lengyel, S.; Fezler, G. Magy. Kem. Foly.; 69: 128-31(1963). (In Hungarian).
Ambient pressure, 25°C. AQUEOUS SOLUTIONS; ELECTROLYTES;DENSITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;PYCNOMETERS;MEDIUM TEMPERATURE

4863 ELECTRICAL CONDUCTIVITY OF SOLUTIONS OF NAOH AT ELEVATED TEMPERATURES. Maksimova, I.N.; Yushkevich, V.F. Zh. Fiz. Khim.; 37: 903-7(1963). (In Russian).
0.05 to 49 wt. percent, ambient pressure, 20° to 300°C, calculated data. ELECTRIC CONDUCTIVITY;SODIUM HYDROXIDES;HIGH TEMPERATURE; MEDIUM TEMPERATURE;SOLUTIONS;DENSITY

4864 SPEED OF SOUND IN EQUIMOLAR AQUEOUS SOLUTIONS AND IN SOME ORGANIC LIQUIDS. Salceanu, C. C. R. Hebd. Seances Acad. Sci.; 257: 1595-8(1963). (In French).
Ambient pressure, 20° to 22°C, experimental data. SOUND WAVES;VELOCITY;COMPRESSIBILITY; POTASSIUM CHLORIDES;SODIUM CHLORIDES;CALCIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4865 AQUEOUS SOLUTIONS IN THE SYSTEM K_2CO_3--K_2SO_4--KCL--H_2O AT 0, 30, 50, AND 70°. Bysova, E.A. Zh. Neorg. Khim.; 8: 1950-4(1963). (In Russian).
Ambient pressure, tabulated and graphical experimental data. AQUEOUS SOLUTIONS;POTASSIUM CARBONATES;POTASSIUM SULFATES;POTASSIUM CHLORIDES;WATER;MEDIUM TEMPERATURE;DENSITY

4866 SOLUBILITY OF CARBON DIOXIDE ABOVE 100°C IN WATER AND SODIUM CHLORIDE SOLUTIONS. Ellis, A.J.; Golding, R.M. Am. J. Sci.; 261: 47-60(1963).
0 to 101.3 bars, 0° to 350°C, modified filling technique. SOLUBILITY;CARBON DIOXIDE; WATER;SODIUM CHLORIDES;DENSITY;MEDIUM TEMPERATURE;HIGH TEMPERATURE;AQUEOUS SOLUTIONS

4867 INVESTIGATION OF THE DENSITY OF A LIQUID PHASE SYSTEM BY THE GAMMA RADIATION TRANSMISSION METHOD. Khaibullin, I.Kh.; Borisov, N.M. Teploenergetika (Moscow); 10: 78-82(1963). (In Russian).
150 to 240 Kg/cm², 340° to 378°C. DENSITY; SODIUM CHLORIDES;GAMMA RADIATION;TRANSMISSION; ATTENUATION;HIGH TEMPERATURE

4868 THERMOPHYSICAL PROPERTIES OF AQUEOJS SODIUM CHLORIDE SOLUTIONS. Unterberg, W.

Water Res. Center, Contr., N. 86. Unknown; Water Res. Center (1964). 41p.
SODIUM CHLORIDES;THERMODYNAMIC PROPERTIES; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;WATER; SOLUBILITY;PHYSICAL PROPERTIES;DENSITY;SURFACE TENSION;VAPOR PRESSURE;SPECIFIC HEAT; VAPORIZATION HEAT;VISCOSITY;THERMAL CONDUCTIVITY;SALINITY;HEAT TRANSFER;DIFFUSION; THERMAL DIFFUSION;MASS TRANSFER;SEAWATER

4869 DENSITY OF SOME AQUEOUS ELECTROLYTE SOLUTIONS. Tamas, J. Acta Chim. Acad. Sci. Hung.; 40: 117-23(1964).
Ambient pressure, 25°C, experimental data. DENSITY;AQUEOUS SOLUTIONS;SODIUM HYDROXIDES; ELECTROLYTES;POTASSIUM HYDROXIDES;PYCNOMETERS; MEDIUM TEMPERATURE

4870 THERMOPHYSICAL PROPERTIES OF AQUEOUS SODIUM CHLORIDE SOLUTIONS. Unterberg, W. Dept. Eng. Report No. 64-21. Los Angeles; United States of America (USA); Univ. Calif. (1964). 41p.
Ambient pressure, 30° to 300°F. DENSITY; SODIUM CHLORIDES;AQUEOUS SOLUTIONS;DATA COMPILATION;MEDIUM TEMPERATURE;HIGH TEMPERATURE; PHYSICAL PROPERTIES

4871 DENSITY OF CONCENTRATED SOLUTIONS ABOVE 45 PERCENT OF NAOH AND TEMPERATURES UP TO 400°C. Krumgal'z, B.S.; Mashovets, V.P. Zh. Prikl. Khim.; 37: 2596-2600(1964). (In Russian).
150° to 400°C, ambient pressure, experimental data. DENSITY;SOLUTIONS;SODIUM HYDROXIDES;HIGH TEMPERATURE;DILATOMETRY;HIGH TEMPERATURE

4872 DEPENDENCE OF SOUND VELOCITY AND COMPRESSIBILITY OF ELECTROLYTE SOLUTIONS ON TEMPERATURE AND CONCENTRATION AT VARIOUS HYDROSTATIC PRESSURES. Manucharov, Yu.S.; Mikhailov, I.G.; Shutilov, V.A. Leningrad Univ. Vestnik, Ser. Fiz. Khim.; 1964: No. 3, 65-83(1964). (In Russian).
0 to 300 atm gauge, 200 to 80°C, experimental data. SOUND WAVES;VELOCITY; COMPRESSIBILITY;ELECTROLYTES;TEMPERATURE DEPENDENCE;QUANTITY RATIO;DENSITY;CALCIUM CHLORIDES;SODIUM SULFATES;SODIUM CHLORIDES; POTASSIUM CHLORIDES;MEDIUM TEMPERATURE

4873 NONLINEAR ACCUSTICAL BEHAVIOR OF AQUEOUS SOLUTIONS OF ELECTROLYTES. Mikhailov, I.G.; Shutilov, V.A. 10: 450-5(1964). (In Russian).
20° to 80°C, experimental data. AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES;CALCIUM CHLORIDES; SODIUM CHLORIDES;SODIUM SULFATES;SOUND WAVES; VELOCITY;MEDIUM TEMPERATURE;DENSITY

4874 MOLAL VOLUMES OF ELECTROLYTES. Redlich, O.; Meyer, D.M. Chem. Rev.; 64: 221-7(1964).
Ambient pressure, 0° to 70°C, review study. DENSITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES; MEDIUM TEMPERATURE;PARTIAL MOLAL VOLUME

4875 DENSITY AND COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF SODIUM HYDROXIDE AT HIGH TEMPERATURES. Dibrov, I.A.; Mashovets, V.P.; Matveeva, R.R. Zh. Prikl. Khim.; 37: 29-36(1964). (In Russian).
Up to 1450 bars, 0° to 350°C, tabulated and graphical experimental data, empirical equations. DENSITY;COMPRESSIBILITY;SODIUM HYDROXIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE; HIGH TEMPERATURE

4876 DIFFERENCE IN THE THERMODYNAMIC PROPERTIES OF WATER AND ELECTROLYTE SOLUTIONS DEPENDING ON THE TEMPERATURE. Galinker, I.S.; Rodnyanskii, I.M.; Korobkov, V.I.; Lekakh, N.B. Ukr. Fiz. Zh. (Russ. Ed.); 9: 401-5(1964). (In Russian).
Ambient pressure, 25° and 230°C, tabulated experimental data. THERMODYNAMIC PROPERTIES; WATER;ELECTROLYTES;TEMPERATURE DEPENDENCE; COMPRESSIBILITY;POTASSIUM CHLORIDES;POTASSIUM CARBONATES;CALCIUM CHLORIDES;MEDIUM TEMPERATURE; HIGH TEMPERATURE

4877 DENSITY OF POTASSIUM CARBONATE SOLUTIONS. Ginzburg, D.M.; Pikulina, N.S.; Litvin, V.P. Zh. Prikl. Khim.; 37: 2353-7(1964). (In Russian).
Ambient pressure, 25° to 13°C, tabulated experimental data, empirical equation. DENSITY; VAPOR PRESSURE;POTASSIUM CARBONATES;SOLUTIONS; MEDIUM TEMPERATURE

4878 DENSITY OF SODIUM CARBONATE SOLUTIONS. Ginzburg, D.M.; Pikulina, N.S.; Litvin, V.P. Zh. Prikl. Khim.; 37: 2749-50(1964). (In Russian).
Ambient pressure, 35° to 110°C, tabulated experimental data, empirical equation. DENSITY; SODIUM CARBONATES;SOLUTIONS;MEDIUM TEMPERATURE

4879 CALCULATION OF VAPOR PRESSURE OF SEA WATER CONCENTRATES FROM ACTIVITY COEFFICIENT PARAMETERS OF NACL SOLUTIONS. Stoughton, R.W.; Lietzke, M.H.; White, R.J. J. Tenn. Acad. Sci.; 39: 109(1964).
25 to 100°C. SODIUM CHLORIDES;CHEMICAL REACTION KINETICS;VAPOR PRESSURE;AQUEOUS SOLUTIONS;SEAWATER;MEDIUM TEMPERATURE;SALTS

4880 DENSITY DETERMINATIONS OF SOLUTIONS. Maksimova, I.N. Zh. Fiz. Khim.; 39: 551-4(1965). (In Russian).
Ambient pressure, 20° to 300°C, derived equation. DENSITY;MEDIUM TEMPERATURE;HIGH TEMPERATURE;BINARY MIXTURES;SODIUM CHLORIDES; POTASSIUM CHLORIDES;HYDROCHLORIC ACID;CALCIUM CHLORIDES;IRON CHLORIDES;POTASSIUM SULFATES; SODIUM SULFATES;POTASSIUM CARBONATES

4881 DENSITY OF AQUEOUS SOLUTIONS OF KOH AT HIGH TEMPERATURES IN A WIDE RANGE OF CONCENTRATIONS. Mashovets, V.P.; Dibrov, I.A.; Krumgal'z, B.S.; Matveeva, R.P. Zh. Prikl. Khim.; 38: 2344-7(1965). (In Russian).
Ambient pressure, 0° to 400°C, experimental data. DENSITY;POTASSIUM HYDROXIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4882 ELECTRIC RESISTIVITY AND DENSITY OF AQUEOUS SALT SOLUTIONS UNDER HIGH PRESSURE AND TEMPERATURE. Polyakov, E.A. Prikl. Geofizika, Vses. Nauchno-Issled. Inst. Geofiz. Metodov Razvedki Sb. Stadei; No. 41, 163-80(1965). (In Russian).
1 to 1500 atm, 20° to 300°C, experimental data. ELECTRIC CONDUCTIVITY;DENSITY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;MAGNESIUM SULFATES; SODIUM SULFATES;CALCIUM CHLORIDES;POTASSIUM CHLORIDES;PYCNOMETERS;COMPRESSIBILITY;THERMAL EXPANSION;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4883 DENSITY OF AQUEOUS SOLUTIONS OF LITHIUM CHLORIDE, LITHIUM BROMIDE, AND CALCIUM CHLORIDE. Bogatykh, S.A.; Evnovich, I.D.

Zh. Prikl. Khim.; 38: 945-6(1965). (In Russian with English translation).
Ambient pressure, 10 to 100°C, tabulated experimental data. CALCIUM CHLORIDES;DENSITY; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4884 APPARATUS FOR DETERMINING THE PARTIAL EQUIVALENT VOLUMES OF SALTS IN AQUEOUS SOLUTIONS. Duedall, I.W.; Weyl, P.K. Rev. Sci. Instrum.; 36: 528-31(1965).
Ambient pressure, 0.8°C, tabulated data. PARTIAL MOLAL VOLUME;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;DILATOMETRY;SEAWATER;SALTS;MEDIUM TEMPERATURE

4885 DENSITY AND VAPOR PRESSURE OF SODIUM AND POTASSIUM CARBONATE SOLUTIONS. Ginzburg, D.M. Zh. Prikl. Khim.; 38: 55-8(1965). (In Russian).
Ambient pressure, 20° to 120°C, two-bulb weighing method, experimental and calculated data. DENSITY;VAPOR PRESSURE;SODIUM CARBONATES; POTASSIUM CARBONATES;MEDIUM TEMPERATURE

4886 MOLAL VOLUMES OF IONS. Gleukauf, E. Trans. Faraday Soc.; 61: 914-21(1965).
Ambient pressure, 25°C, calculated data. PARTIAL MOLAL VOLUME;IONS;MEDIUM TEMPERATURE; AQUEOUS SOLUTIONS

4887 DILATOMETRIC MEASUREMENTS OF APPARENT MOLAL VOLUMES OF DILUTE AQUEOUS ELECTROLYTES. Hepler, L.G.; Stokes, J.M.; Stokes, R.H. Trans. Faraday Soc.; 61: 20-9(1965).
Ambient pressure, 25°C, experimental data. DILATOMETRY;APPARENT MOLAL VOLUME;AQUEOUS SOLUTIONS;DENSITY;SODIUM HYDROXIDES;PYCNOMETERS; MEDIUM TEMPERATURE

4888 VELOCITY OF SOUND IN DILUTE ELECTROLYTE SOLUTIONS. Kaulgud, M.V. Z. Phys. Chem., N.F.; 47: 24-41(1965).
Ambient pressure, 25°C, experimental data. COMPRESSIBILITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM SULFATES;VELOCITY;SOUND WAVES; MEDIUM TEMPERATURE

4889 MEASUREMENT WITH A PHASE-COMPARISON INTERFEROMETER OF VERY SMALL CHANGES OF SOUND VELOCITY IN ELECTROLYTE SOLUTIONS. Kaulgud, M.V. Acustica; 15: 377-82(1965). (In German).
Ambient pressure, 25°C, experimental data, empirical equations. SOUND WAVES;VELOCITY; SODIUM CHLORIDES;POTASSIUM CHLORIDES;MEDIUM TEMPERATURE;INTERFEROMETERS;ELECTROLYTES

4890 DENSITIES AND VISCOSITIES OF POTASSIUM HYDROXIDE SOLUTIONS AT LOW TEMPERATURES. Kelley, W.R.; Borza, P.F.; Harringer, R.D. J. Chem. Eng. Data; 10: 233-4(1965).
Ambient pressure, -53.8° to 0°C, tabulated experimental data. DENSITY;VISCOSITY;POTASSIUM HYDROXIDES;LOW TEMPERATURE;PYCNOMETERS; SOLUTIONS

4891 ACTIVITY COEFFICIENTS OF NACL IN AQUEOUS THREE-COMPONENT SOLUTIONS BY CATION-SENSITIVE GLASS ELECTRODES. Lanier, R.D. J. Phys. Chem.; 69: 3992(1965).
25°C. SODIUM CHLORIDES;CHEMICAL REACTION KINETICS;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE; MAGNESIUM CHLORIDES;CALCIUM CHLORIDES;STRONTIUM CHLORIDES;BARIUM CHLORIDES;SODIUM SULFATES; SODIUM COMPOUNDS;PERCHLORATES;ACETATES;SODIUM NITRATES

4892 CALCULATION OF SOME THERMODYNAMIC PROPERTIES OF SEA SALT SOLUTIONS AT ELEVATED TEMPERATURES FROM DATA ON NACL SOLUTIONS. Stoughton, R.W.; Lietzke, M.H. J. Chem. Eng. Data; 10: 254(1965).
1 to 4m at 25° to 100°C, 1 to 3m at 125° to 270°C. THERMODYNAMIC PROPERTIES;SEAWATER;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;OSMOSIS;CHEMICAL REACTION KINETICS;BOILING POINTS;VAPOR PRESSURE; MEDIUM TEMPERATURE

4893 HYDROTHERMAL EQUILIBRIA OF DISSOCIATION CONSTANTS OF SOME WEAK ELECTROLYTES AT HIGH TEMPERATURES AND PRESSURES. Rafal'skiy, R.P. Geol. Rud. Mestorozhd.; 8: No. 2, 5-15(1966).
ELECTROLYTES;DISSOCIATION;SULFURIC ACID; HYDROFLUORIC ACID;EQUILIBRIUM;HIGH TEMPERATURE; HIGH PRESSURE

4894 APPARENT MOLAL VOLUMES OF SOME AQUEOUS RARE EARTH CHLORIDE AND NITRATE SOLUTIONS AT 25°C. Spedding, F.H.; Pikal, M.J.; Ayers, B.O. J. Phys. Chem.; 70: 2440-9(1966).
Ambient pressure, tabulated experimental data. APPARENT MOLAL VOLUME;DENSITY;SODIUM CHLORIDES;MEDIUM TEMPERATURE;DENSIMETERS; AQUEOUS SOLUTIONS;NITRATES;RARE EARTH COMPOUNDS

4895 APPARENT MOLAL VOLUMES OF ALKALI METAL CHLORIDES IN AQUEOUS SOLUTIONS AND EVIDENCE FOR SALT-INDUCED STRUCTURE TRANSITIONS. Vaslow, F. J. Phys. Chem.; 76: 2286-94(1966).
Ambient pressure, 25°C, experimental data. APPARENT MOLAL VOLUME;SODIUM CHLORIDES; POTASSIUM CHLORIDES;MEDIUM TEMPERATURE; HYDROSTATICS

4896 APPARENT AND PARTIAL MOLAL VOLUMES OF ELECTROLYTES IN WATER AND IN AQUEOUS SODIUM CHLORIDE SOLUTIONS. Lee, S. Yale Univ. (1966). 131p. University Microfilms Order No. 66-4906.
Thesis (Ph. D.).
Ambient pressure, 25°C, experimental and calculated data. APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;ELECTROLYTES;WATER;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;CALCIUM CHLORIDES; SODIUM SULFATES;PYCNOMETERS;DENSITY;MEDIUM TEMPERATURE

4897 SYSTEMS: WATER, FERROUS SULFATE, POTASSIUM SULFATE WATER, FERROUS CHLORIDE, FERROUS SULFATE WATER, FERROUS CHLORIDE, POTASSIUM CHLORIDE WATER, POTASSIUM CHLORIDE, POTASSIUM SULFATE AT 20°. Legrand, M.; Paris, R.A. Bull. Soc. Chim. Fr.; 8: 2699-701(1966). (In French).
Ambient pressure, 20°C, experimental data. IRON SULFATES;POTASSIUM SULFATES;IRON CHLORIDES; POTASSIUM CHLORIDES;SATURATION;PYCNOMETERS; DENSITY;SOLUTIONS

4898 ULTRASONIC STUDIES OF ELECTROLYTE SOLUTIONS. II. COMPRESSIBILITIES OF ELECTROLYTES. Allam, D.S.; Lee, W.H. J. Chem. Soc., A; 1966: 5-9(1966).
1 Kb and 25°C; tabulated experimental data, graphs, and empirical equations. ULTRASONIC WAVES;COMPRESSIBILITY;ELECTROLYTES;POTASSIUM CHLORIDES;SODIUM CHLORIDES;AQUEOUS SOLUTIONS; THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE

4899 ADIABATIC COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF ELECTROLYTES. Cholian, P.F. 12: 93-7(1966). (In Russian).

20°C, ambient pressure, tabulated and graphical experimental data. COMPRESSIBILITY; ADIABATIC PROCESSES;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SOUND WAVES; VELOCITY;VAPOR PRESSURE;MEDIUM TEMPERATURE

4900 APPARENT MOLAL VOLUMES OF ELECTROLYTES. PART I. SOME 1-1, 1-2, 2-1, 3-1 ELECTROLYTES IN AQUEOUS SOLUTIONS AT 25°C. Dunn, L.A. Trans. Faraday Soc.; 62: 2348-54(1966).
Tabulated and graphical experimental data, ambient pressure. APPARENT MOLAL VOLUME; ELECTROLYTES;AQUEOUS SOLUTIONS;SODIUM SULFATES; DENSITY;DILATOMETRY;MEDIUM TEMPERATURE; POTASSIUM SULFATES;CALCIUM CHLORIDES; HYDROCHLORIC ACID

4901 PARTIAL MOLAL VOLUMES OF ALKALI CHLORIDES IN AQUEOUS SOLUTIONS TO 200°C. Ellis, A.J. J. Chem. Soc., A; 1966: 1579-84(1966).
20 atm, 0° to 200°C, mercury displacement technique, tabulated and graphical experimental data, empirical equations. PARTIAL MOLAL VOLUME; SODIUM CHLORIDES;POTASSIUM CHLORIDES;DENSITY; MEDIUM PRESSURE;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4902 DENSITIES OF BINARY AND TERNARY AQUEOUS SOLUTIONS OF NACL, NA_2SO_4, AND $MGSO_4$, OF SEA WATER AND SEA WATER CONCENTRATES. Fabuss, B.M.; Korosi, A.; Huq, S. J. Chem. Eng. Data; 11: 324-31(1966).
Ambient pressure, 25° to 175°C, tabulted and graphical experimental data, empirical equations. AQUEOUS SOLUTIONS;DENSITY;SODIUM CHLORIDES;SODIUM SULFATES;MAGNESIUM SULFATES; SEAWATER;PYCNOMETERS;DILATOMETRY;MEDIUM TEMPERATURE

4903 FREQUENCY-MODULATED ULTRASONIC INTERFEROMETER: ADIABATIC COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF NACL AND KCL AT 25°C. Gucker, F.T., Jr.; Chernik, C.L.; Roy-Chowdhury, P. Proc. Natl. Acad. Sci. U.S.A.; 55: 12-19(1966).
Ambient pressure, 25°C, experimental data. DENSITY;COMPRESSIBILITY;ADIABATIC PROCESSES; AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;PYCNOMETERS;ULTRASONIC WAVES; INTERFEROMETERS;MEDIUM TEMPERATURE

4904 EXPERIMENTAL INVESTIGATIONS OF THE THERMAL PROPERTIES OF AQUEOUS AND GASEOUS SOLUTIONS OF SODIUM AND POTASSIUM CHLORIDE IN THE PRESENCE OF A VAPOR PHASE. Khaibullin, I.Kh.; Borisov, N.M. Teplofiz. Vys. Temp.; 4: 518-23(1966). (In Russian).
Ambient pressure, 100° to 440°C, tabulated data. THERMODYNAMIC PROPERTIES;AQUEOUS SOLUTIONS;GASES;SODIUM CHLORIDES;POTASSIUM CHLORIDES;DENSITY;GAMMA RADIATION;TRANSMISSION; DENSITY;MEDIUM TEMPERATURE;HIGH TEMPERATURE; VAPOR PRESSURE

4905 THERMODYNAMICS OF CALCIUM SULFATE DIHYDRATE IN AQUEOUS SODIUM CHLORIDE SOLUTIONS, 0-110°C. Marshall, W.L.; Slusher, R. J. Phys. Chem.; 70: 4015(1966).
SODIUM CHLORIDES;THERMODYNAMIC PROPERTIES; SOLUBILITY;CALCIUM SULFATES;HYDRATES;SODIUM SULFATES;AQUEOUS SOLUTIONS

4906 THERMODYNAMICS OF COMPLEX DISSOCIATION IN AQUEOUS SOLUTION AT ELEVATED TEMPERATURES. Helgeson, H.C. J. Phys. Chem.; 71: No. 10, 3121-36(1967).
THERMODYNAMIC PROPERTIES;DISSOCIATION; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE;WATER;DIELECTRIC PROPERTIES; ELECTROSTATICS;COMPLEXES

4907 DENSITIES OF POTASSIUM HYDROXIDE OLUTIONS. Tham, M.K.; Gubbins, K.E.; Walker, R.D., Jr. J. Chem. Eng. Data; 12: 525-6(1967).
Ambient pressure, 59.9° to 161.4°C, experimental data, empirical equations. DENSITY; POTASSIUM HYDROXIDES;SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE;HYDROSTATICS

4908 SOME PHYSIOCHEMICAL PROPERTIES OF THE KOH--H_2O SYSTEM. Vogel, W.M.; Routsis, K.J.; Kehrer, V.J.; Landsman, D.A.; Tschinkel, J.G. J. Chem. Eng. Data; 12: 465-72(1967).
Ambient pressure, 120° to 250°C, experimental data. POTASSIUM HYDROXIDES;WATER; DENSITY;HIGH TEMPERATURE

4909 HIGH PRECISION MAGNETIC FLOAT DENSIMETER. Millero, F.J. Rev. Sci. Instrum.; 38: 1441-4(1967).
0.02 to 0.31 molal, ambient pressure, 25°C, experimental data. DENSITY;SODIUM CHLORIDES; DENSIMETERS;PARTIAL MOLAL VOLUME;MEDIUM TEMPERATURE

4910 EXPERIMENTAL INVESTIGATION ON AQUEOUS SOLUTIONS OF STRONG ELECTROLYTES. II. DENSITIES, APPARENT MOLAL VOLUMES, AND PARTIAL MOLAL VOLUMES OF KCL, NACL, AND KBR AT 25°C AND CONCENTRATIONS IN THE INTERVAL 0.5 TO 0.02 M. Batuecas, T.; Varela, C. Real Acad. Ciencias (Madrid) Rev.; 61: 189-211(1967). (In Spanish).
Tabulated data, empirical equations, ambient pressure. AQUEOUS SOLUTIONS;ELECTROLYTES; POTASSIUM CHLORIDES;SODIUM CHLORIDES;POTASSIUM BROMIDES;DENSITY;APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;THERMODYNAMIC PROPERTIES

4911 EXPERIMENTAL INVESTIGATION ON AQUEOUS SOLUTIONS OF STRONG ELECTROLYTES. III. DENSITIES, APPARENT MOLAL VOLUMES, AND PARTIAL MOLAL VOLUMES AT 25°C AND CONCENTRATIONS IN THE INTERVAL 0.5 TO 0.1 M OF NACL. Batuecus, T.; Meijon, C. Real Acad. Ciencias (Madrid) Rev.; 61: 563-71(1967). (In Spanish).
Tabulated data, empirical equations, ambient pressure. DENSITY;APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;PYCNOMETERS;SODIUM CHLORIDES; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4912 PARTIAL MOLAL VOLUMES OF IONS IN AQUEOUS SOLUTIONS. II. EMPIRICAL EQUATION FOR OXY-ANIONS. Couture, A.M.; Laidler, K.J. Can. J. Chem.; 35: 207-10(1967).
Ambient pressure, 25°C, tabulated and graphical data, empirical equations. PARTIAL MOLAL VOLUME;IONS;AQUEOUS SOLUTIONS;OXYGEN COMPOUNDS;MEDIUM TEMPERATURE

4913 PARTIAL EQUIVALENT VOLUMES OF SALTS IN SEAWATER. Duedall, I.W.; Weyl, P.K. Limnol. Oceanogr.; 12: 52-9(1967).
Ambient pressure, 0° to 25°C, tabulated and graphical experimental data, empirical equations. SODIUM CHLORIDES;POTASSIUM CHLORIDES; SODIUM SULFATES;POTASSIUM CARBONATES;PARTIAL MOLAL VOLUME;DILATOMETRY;SEAWATER;MEDIUM TEMPERATURE

4914 PARTIAL MOLAL VOLUMES OF $MGCL_2$, $CACL_2$,

$SRCL_2$, AND $BACL_2$ IN AQUEOUS SOLUTIONS TO 200°C. Ellis, A.J. J. Chem. Soc., A; 1967: 660-4(1967).
20 atm, 25° to 200°C, mercury displacement technique, tabulated and graphical data, empirical equations. PARTIAL MOLAL VOLUME; MAGNESIUM CHLORIDES;CALCIUM CHLORIDES;STRONTIUM CHLORIDES;BARIUM CHLORIDES;AQUEOUS SOLUTIONS; HIGH TEMPERATURE;MEDIUM TEMPERATURE;DENSITY

4915 VISCOSITY OF SOLUTIONS OF CALCIUM CHLORIDE. Ezrokhi, L.L. Tr. Vses. Nauchno-Issled. Inst. Galurgii, Leningrad; 52: 3-9(1967). (In Russian).
Ambient pressure, 25°, 40°, and 60°C, tabulated experimental data. VISCOSITY;CALCIUM CHLORIDES;DENSITY;PYCNOMETERS;MEDIUM TEMPERATURE

4916 DENSITY OF COMPLEX SOLUTIONS CONTAINING CALCIUM CHLORIDE. Ezrokhi, L.L. Tr. Vses. Nauchno-Issled. Inst. Galurgii, Leningrad; 52: 10-19(1967). (In Russian).
Ambient pressure, 0° to 100°C, empirical study. DENSITY;CALCIUM CHLORIDES;SODIUM CHLORIDES;SODIUM SULFATES;MAGNESIUM SULFATES; POTASSIUM CHLORIDES;POTASSIUM SULFATES; MAGNESIUM CHLORIDES;SOLUTIONS;MEDIUM TEMPERATURE

4917 THERMODYNAMIC PROPERTIES OF SEA WATER AND ITS CONCENTRATES. Fabuss, B.M.; Korosi, A. Desalination; 2: 271-8(1967).
25° to 175°C, ambient pressure, calculated data. DENSITY;SODIUM CHLORIDES;SODIUM SULFATES; POTASSIUM CHLORIDES;THERMODYNAMIC PROPERTIES; PYCNOMETERS;SEAWATER;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

4918 APPARENT MOLAL VOLUMES AND EXPANSIBILITIES OF ELECTROLYTES IN DILUTE AQUEOUS SOLUTIONS. Franks, F.; Smith, H.T. Trans. Faraday Soc.; 63: 2586-98(1967).
Ambient pressure, 5° and 25°C, magnetic float measurements, tabulated and graphical experimental data, empirical equations. APPARENT MOLAL VOLUME;AQUEOUS SOLUTIONS;SODIUM CHLORIDES; POTASSIUM CHLORIDES;MEDIUM TEMPERATURE

4919 RELATION BETWEEN THE VISCOSITY B-COEFFICIENT AND THE MOLAL VOLUME OF ELECTROLYTES IN AQUEOUS SOLUTIONS. Isono, T.; Tamamushi, R. Electrochim. Acta; 12: 1479-82(1967).
Ambient pressure, 5° to 25°C, experimental data. VISCOSITY;DENSITY;PARTIAL MOLAL VOLUME; HYDROCHLORIC ACID;SODIUM CHLORIDES;POTASSIUM CHLORIDES;CALCIUM CHLORIDES;AQUEOUS SOLUTIONS; MEDIUM TEMPERATURE

4920 ACTIVITY COEFFICIENTS OF POTASSIUM CHLORIDE IN AQUEOUS SOLUTION AS MEASURED WITH A CATION-SENSITIVE GLASS ELECTRODE. Lietzke, M.H.; Stoughton, R.W. J. Tenn. Acad. Sci.; 42: 26(1967).
0.01 m to 2.5 m at 15° to 55°C. POTASSIUM CHLORIDES;CHEMICAL REACTION KINETICS;AQUEOUS SOLUTIONS;ELECTRODES;MEDIUM TEMPERATURE

4921 AQUEOUS SYSTEMS AT HIGH TEMPERATURE. XX. DISSOCIATION CONSTANT AND THERMODYNAMIC FUNCTIONS FOR MAGNESIUM SULFATE TO 200°C. Marshall, W.L. J. Phys. Chem.; 71: 3584(1967).
AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES; DISSOCIATION;CHEMICAL REACTION KINETICS; MAGNESIUM SULFATES;SODIUM CHLORIDES;SEAWATER; HYDRATES;HIGH TEMPERATURE

4922 THERMODYNAMIC PROPERTIES OF SEA SALT SOLUTIONS. Stoughton, R.W.; Lietzke, M.H. J. Chem. Eng. Data; 12: 101(1967).
25° to 260°C, osmotic coefficients. THERMODYNAMIC PROPERTIES;SEAWATER;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;TEMPERATURE DEPENDENCE;BOILING POINTS;MEDIUM TEMPERATURE; HIGH TEMPERATURE

4923 CHARACTER OF THE CHANGES IN THE PH OF SYNTHETIC HYDROTHERMAL SOLUTIONS. Lopatina, N.L. pp 332-338 of Mineralogicheskaya Termometriya I Barometriya; Tom 1, Geokhimiya Glubinnykh Mineraloobrazuyushchikh Rastvorov. Moscow; Izd. Nauka (1968).
AQUEOUS SOLUTIONS;PH VALUE;HIGH TEMPERATURE; THERMAL WATERS

4924 RELATIONSHIP OF PRESSURE, TEMPERATURE, AND DENSITY IN AQUEOUS SOLUTIONS OF SODIUM CHLORIDE AND POTASSIUM CHLORIDE. Samoylovich, L.A.; Khetchikov, L.N. Dokl. Akad. Nauk SSSR; 180: No. 6, 1450-2(1968).
SODIUM CHLORIDES;POTASSIUM CHLORIDES; THERMODYNAMIC PROPERTIES;TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE;DENSITY

4925 THERMODYNAMICS OF AQUEOUS ELECTROLYTE SOLUTIONS AT INCREASED TEMPERATURES. TEMPERATURE DEPENDENCE OF ION HEAT CAPACITY IN AQUEOUS SOLUTIONS. Khodakovskiy, I.L.; Ryzhenko, B.N.; Naumo, G.B. Geokhimiya; No. 12, 1486-1503(1968). (English summary).
AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES; SPECIFIC HEAT;TEMPERATURE DEPENDENCE; ELECTROLYTES

4926 TEMPERATURE DEPENDENCE OF VOLUME CHANGES IN MIXING ELECTROLYTE SOLUTIONS. Wirth, H.E.; LoSurdo, A. J. Chem. Eng. Data; 13: 226-31(1968).
Ambient pressure, 5° to 45°C, experimental data. TEMPERATURE DEPENDENCE;MIXTURES; ELECTROLYTES;SOLUTIONS;SODIUM CHLORIDES;SODIUM SULFATES;DENSITY;DILATOMETRY;MEDIUM TEMPERATURE; PARTIAL MOLAL VOLUME

4927 APPARENT MOLAL VOLUMES OF AQUEOUS MONAVALENT SALT SOLUTIONS AT VARIOUS TEMPERATURES. Millero, F.J.; Drost-Hansen, W. J. Chem. Eng. Data; 13: 330-3(1968).
Ambient pressure, 20° to 40°C, experimental and calculated data. APPARENT MOLAL VOLUME; AQUEOUS SOLUTIONS;DENSITY;SODIUM CHLORIDES; POTASSIUM CHLORIDES;DENSIMETERS;PARTIAL MOLAL VOLUME;MEDIUM TEMPERATURE

4928 RELATIONS AMONG PRESSURE, TEMPERATURE, AND DENSITY OF AQUEOUS SOLUTIONS OF SODIUM CHLORIDE AND POTASSIUM CHLORIDE. Samoilovich, L.A.; Khetchikov, L.N. Dokl. Akad. Nauk SSSR; 180: 1450-2(1968). (In Russian).
Ambient pressures, 185° to 414°C. POTASSIUM CHLORIDES;SODIUM CHLORIDES;HIGH TEMPERATURE; DENSITY;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE;PARTIAL MOLAL VOLUME

4929 ULTRASONIC BEHAVIOR IN SIMPLE AND COMPLEX TERNARY SYSTEMS OF ELECTROLYTES. Satyavati, A.V. Acustica; 19: 350-4(1968).
Ambient pressure, 31.5°C, graphical experimental data. ELECTROLYTES;SOUND WAVES; COMPRESSIBILITY;POTASSIUM SULFATES;SODIUM

SULFATES;PYCNOMETERS;MEDIUM TEMPERATURE

4930 THERMODYNAMIC PROPERTIES OF AQUEOUS SODIUM CHLORIDE SOLUTIONS FROM 32° TO 350°F. Chou, J.C.-S. Oklahoma State Univ. (1968). 121p.
Thesis (Ph. D.).
32° to 350°F, 10 to 300 atm, tabulated and graphical experimental data, empirical equations. THERMODYNAMIC PROPERTIES;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE; HIGH TEMPERATURE;COMPRESSIBILITY

4931 APPARENT MOLAL VOLUMES OF ELECTROLYTES. PART II. SOME 1-1 ELECTROLYTES IN AQUEOUS SOLUTION AT 25°C. Dunn, L.A. Trans. Faraday Soc.; 64: 1898-1903(1968).
Ambient pressure, tabulated and graphical experimental data, empirical equations. APPARENT MOLAL VOLUME;ELECTROLYTES;DENSITY; PYCNOMETERS;DILATOMETRY;MEDIUM TEMPERATURE; POTASSIUM CHLORIDES;SODIUM CHLORIDES

4932 PARTIAL MOLAL VOLUMES IN HIGH TEMPERATURE WATER. PART III. HALIDE AND OXYANION SALTS. Ellis, A.J. J. Chem. Soc., A; 1968: 1138-43(1968).
20 atm, 25° to 200°C, mercury displacement technique, tabulated and graphical data, empirical equations. PARTIAL MOLAL VOLUME; DENSITY;POTASSIUM SULFATES;SODIUM SULFATES;HIGH TEMPERATURE;MEDIUM TEMPERATURE;MEDIUM PRESSURE

4933 PARTIAL MOLAL VOLUME OF HYDROCHLORIC ACID IN HIGH-TEMPERATURE WATER. Ellis, A.J.; McFadden, I.M. 287: 516-17(1968).
20 atm, 25° to 200°C, mercury displacement technique, tables, graphs, empirical equations. PARTIAL MOLAL VOLUME;HYDROCHLORIC ACID;MEDIUM PRESSURE;HIGH TEMPERATURE;MEDIUM TEMPERATURE

4934 PROPERTIES OF SEA WATER AND SOLUTIONS CONTAINING SODIUM CHLORIDE, POTASSIUM CHLORIDE, SODIUM SULFATE, AND MAGNESIUM SULFATE. Fabuss, B.M.; Korosi, A. US Office of Saline Water, Res. Dev. Progress Report No. 384. Washington, DC; United States of America (USA); US Office of Saline Water (1968). 133p.
Ambient pressure, 20° to 150°C, tabulated and graphical data. SEAWATER;SODIUM CHLORIDES; SODIUM SULFATES;POTASSIUM CHLORIDES;DATA COMPILATION;VAPOR PRESSURE;DENSITY; THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE

4935 APPARENT AND PARTIAL MOLAL VOLUMES OF NA--KAOLIN AND NACL IN KAOLIN SUSPENSIONS. Helmy, A.K.; Assaad, F.F.; Naguib Hassan, M.; Sadek, H. J. Phys. Chem.; 71: 2358-61(1968).
Ambient pressure, 30°C. APPARENT MOLAL VOLUME;PARTIAL MOLAL VOLUME;DENSITY;SODIUM CHLORIDES;KAOLIN;PYCNOMETERS;MEDIUM TEMPERATURE; SUSPENSIONS

4936 EXPERIMENTAL PTFC DIAGRAMS OF AQUEOUS SOLUTIONS OF LITHIUM, SODIUM, POTASSIUM, AND CESIUM CHLORIDES. Ikornikova, N.Yu.; Egorov, V.M. pp 34-51 of Gidrotermalni sintez krystallov (Hydrothermal synthesis of crystals). Lobachev, A.N. (ed.). Moscow; Nauka Press (1968). (In Russian)
200 to 2500 kgf/cm², 150° to 700°C, experimental data. AQUEOUS SOLUTIONS;LITHIUM CHLORIDES;SODIUM CHLORIDES;POTASSIUM CHLORIDES; CESIUM CHLORIDES;DENSITY;HIGH TEMPERATURE

4937 VISCOSITIES OF BINARY AQUEOUS SOLUTIONS OF NACL, KCL, NA_2SO_4, AND $MGSO_4$ AT CONCENTRATIONS AND TEMPERATURES OF INTEREST IN DESALINATION PROCESSES. Korosi, A.; Fabuss, B.M. J. Chem. Eng. Data; 13: 548-52(1968).
1 to 200 psig, 25° to 150°C, experimental data, empirical equation. VISCOSITY;BINARY MIXTURES;AQUEOUS SOLUTIONS;SODIUM CHLORIDES; POTASSIUM CHLORIDES;SODIUM SULFATES;MAGNESIUM SULFATES;DESALINATION;DENSITY;PYCNOMETERS; MEDIUM TEMPERATURE;HIGH TEMPERATURE

4938 THERMOPHYSICAL PROPERTIES OF SALINE WATER. Korosi, A.; Fabuss, B.M. Res. Develop. Progress Report No. 363. Washington, DC; United States of America (USA); US Office of Saline Water (1968). 53p.
Ambient pressure, 25° to 150°C. DENSITY; VISCOSITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES; SODIUM SULFATES;AQUEOUS SOLUTIONS;SEAWATER; PYCNOMETERS

4939 CREVICE CORROSION OF TITANIUM IN AQUEOUS SALT SOLUTIONS. Griess, J.C. Corrosion; 24: 96(1968).
TITANIUM;CORROSION;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;HYDROGEN;MOLYBDENUM;NICKEL;PALLADIUM; TITANIUM ALLOYS;CORROSIVE EFFECTS

4940 AQUEOUS SYSTEMS AT HIGH TEMPERATURE. XIX. SOLUBILITY TO 200°C OF CALCIUM SULFATE AND ITS HYDRATES IN SEA WATER AND SALINE WATER CONCENTRATES; AND TEMPERATURE-CONCENTRATION LIMITS. Marshall, W.L.; Slusher, R. J. Chem. Eng. Data; 13: 83(1968).
CALCIUM SULFATES;AQUEOUS SOLUTIONS; SOLUBILITY;HYDRATES;SEAWATER;SALINITY; PRECIPITATION;DISSOCIATION;HIGH TEMPERATURE

4941 VISCOSITY OF MIXTURES OF ELECTROLYTE SOLUTIONS. Wu, Y.C. J. Phys. Chem.; 72: 2663(1968).
ELECTROLYTES;VISCOSITY;MIXTURES;LITHIUM CHLORIDES;SODIUM CHLORIDES;POTASSIUM CHLORIDES; MAGNESIUM CHLORIDES;SOLUTIONS

4942 OSMOTIC AND ACTIVITY COEFFICIENTS FOR BINARY MIXTURES OF NACL, NA_2SO_4, $MGSO_4$ AND $MGCL_2$ IN WATER AT 25°. I. ISOPIESTIC MEASUREMENTS ON THE FOUR SYSTEMS WITH COMMON IONS. Wu, Y.C.; Rush, R.M.; Scatchard, G. J. Phys. Chem.; 72: 4048(1968).
SODIUM CHLORIDES;SODIUM SULFATES;MAGNESIUM SULFATES;MAGNESIUM CHLORIDES;WATER;AQUEOUS SOLUTIONS;CHEMICAL REACTION KINETICS

4943 DETERMINATION OF PHYSICAL PROPERTIES OF AQUEOUS SOLUTIONS BOILING AT ATMOSPHERIC PRESSURE. Gurovich, B.M.; Mezheritskii, S.M.; Polishchuk, G.S.; Taktaeva, L.N. (USSR). Tr. Tashkent. Politekh. Inst.; No. 57, 68-75(1969). (In Russian).
AQUEOUS SOLUTIONS;PHYSICAL PROPERTIES;SODIUM CHLORIDES;SODIUM SULFATES;SODIUM NITRATES; MEDIUM PRESSURE;BOILING POINTS;VISCOSITY; SURFACE TENSION;THERMAL CONDUCTIVITY;SPECIFIC HEAT;THERMODYNAMIC PROPERTIES

4944 PHYSICOCHEMICAL PROPERTIES OF A SODIUM CHLORIDE-SODIUM CHLORATE-SODIUM PERCHLORATE-WATER SYSTEM AT 40°. Il'in, K.G.; Loseva, G.K.; Semchenko, D.P. (USSR). Tr. Novocherkassk. Politekh. Inst.; 197: 37-44(1969). (In Russian).
SODIUM CHLORIDES;SODIUM COMPOUNDS;CHLORATES; AQUEOUS SOLUTIONS;SOLUBILITY;DENSITY;VISCOSITY; ELECTRIC CONDUCTIVITY;WATER;PHASE STUDIES

4945 POLARIZATION: EFFECT OF CURRENT DENSITY ON CONDUCTANCE. Tun, K. (Arts Sci. Univ., Mandalay, Burma). Union Burma J. Sci. Technol.; 2: No. 2, 221-30(1969).
AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; ELECTRIC CONDUCTIVITY;ELECTRIC CURRENTS; ELECTRODES;IMPEDANCE;POLARIZATION

4946 EXPERIMENTAL STUDY OF THE DENSITY OF WATERS CONTAINING LARGE CONCENTRATIONS OF SOLUBLE SALTS. Yusufova, V.D.; Pepinov, R.I.; Nikolaev, V.A.; Nuriev, R.S. Izv. Akad. Nauk Azerb. SSR, Ser. Fiz.-Tekh. Mat. Nauk; No. 5, 95-9(1969).
WATER;DENSITY;PRESSURE DEPENDENCE; TEMPERATURE DEPENDENCE;SALTS

4947 APPARENT MOLAL VOLUMES OF LITHIUM AND SODIUM HALIDES. CRITICAL-TYPE TRANSITIONS IN AQUEOUS SOLUTION. Vaslow, F. J. Phys. Chem.; 73: 3745-50(1969).
Ambient pressure, 5°C, experimental data. APPARENT MOLAL VOLUME;SODIUM CHLORIDES;DENSITY; MEDIUM TEMPERATURE

4948 COMPRESSIBILITY STUDIES IN MIXED AQUEOUS ELECTROLYTES. Kulkarni, A.G. Indian J. Chem.; 7: 333-5(1969).
Ambient pressure, 25°C, experimental data. COMPRESSIBILITY;SODIUM CHLORIDES;POTASSIUM CHLORIDES;BINARY MIXTURES;AQUEOUS SOLUTIONS; VELOCITY;SOUND WAVES;MEDIUM TEMPERATURE

4949 ESTIMATION OF THE BISULFATE ION DISSOCIATION IN SOLUTIONS OF SULFURIC ACID AND SODIUM BISULFATE. Lindstrom, R.E.; Wirth, H.E. J. Phys. Chem.; 73: 218-23(1969).
Ambient pressure, 25°C, experimental data. SODIUM SULFATES;SULFURIC ACID;DENSITY;MEDIUM TEMPERATURE

4950 ULTRASONIC VELOCITY AND COMPRESSIBILITY INDEX IN ACID-BASE SOLUTIONS. Ramanathan, Vr.; Raman, N. Def. Sci. J. (New Delhi); 19: 149-52(1969).
Ambient pressure, 29°C, experimental data. COMPRESSIBILITY;SOLUTIONS;DENSITY;HYDROCHLORIC ACID;SODIUM CHLORIDES;SODIUM HYDROXIDES;WATER; VELOCITY;SOUND WAVES;MEDIUM TEMPERATURE

4951 APPARENT MOLAL VOLUMES OF ALKALI HALIDE IN WATER AT 25°. INFLUENCE OF CONCENTRATION DEPENDENCE. Desnoyers, J.E.; Arel, M.; Perron, G.; Jolicoeur, C. J. Phys. Chem.; 73: 3346-51(1969).
Ambient pressure, experimental and calculated data, empirical equations. APPARENT MOLAL VOLUME;DENSITY;SODIUM CHLORIDES;SODIUM FLUORIDES;POTASSIUM FLUORIDES;POTASSIUM CHLORIDES;VAPOR PRESSURE;MEDIUM TEMPERATURE; AQUEOUS SOLUTIONS

4952 STABILITY OF THERMAL WATERS. Natanov, Kh.Kh.; Tataev, O.A.; Adamova, K.S. Sb. Nauch. Soobshch., Dagestan. Gos. Univ., Kafedra Khim.; No. 6, 129-36(1969).
THERMAL WATERS;STABILITY;EQUATIONS;MINERALS; ABUNDANCE;EQUATIONS;THERMODYNAMIC PROPERTIES

4953 STRUCTURE OF HYDROTHERMAL SOLUTIONS. Feodot'yev, K.M. pp 89-101 of Ocherki Geokhimii Rtuti, Molibdena I Sery V Gidrotermal'nom Protsesse. Moscow; Izd. Nauka (1970).
CHEMICAL COMPOSITION;THERMAL WATERS; HYDROTHERMAL SYSTEMS

4954 BEHAVIOR OF SULFUR IN HYDROTHERMAL SOLUTIONS. Rafal'skiy, R.P.; Zarubin, A.I. Dokl. Earth Sci. Sect. (Engl. Transl.); 187: 195-197(1970).
THERMAL WATERS;CHEMICAL COMPOSITION;SULFUR; CHEMICAL REACTIONS

4955 GENERAL DEPENDENCES BETWEEN THE COMPOSITION OF SOLUTIONS AND THEIR DENSITY. I. AQUEOUS ELECTROLYTE SOLUTIONS. Reikhardt, A.A. (Inst. Prikl. Khim., Leningrad, USSR). Zh. Fiz. Khim.; 44: No. 11, 2857-61(1970). (In Russian).
AQUEOUS SOLUTIONS;HALIDES;NITRATES;SULFATES; SALTS;DENSITY;CHEMICAL COMPOSITION;ELECTROLYTES

4956 POSSIBLE PROCESS FOR THE FLUCTUATION OF HALOGEN ABUNDANCES IN FUMAROLE GASES. Honda, F. (Univ. Nagoya, Japan). Geochem. J. (Nagoya); 3: No. 4, 187-200(1970). (In English).
FUMAROLIC FLUIDS;HALOGENS;ABUNDANCE;CHEMICAL COMPOSITION;QUANTITY RATIO;HYDROCHLORIC ACID; HYDROBROMIC ACID;HYDRIODIC ACID;VARIATIONS

4957 CALORIMETRIC APPARATUS FOR MEASURING THE HEATS OF DISSOLUTION OF SALTS IN WATER AT VARIOUS TEMPERATURES. Sergeeva, R.I.; Drakin, S.I.; Karapet'yants, M.K. (USSR). Tr. Mosk. Khim.-Tekhnol. Inst.; No. 67, 18-22(1970). (In Russian).
SOLUTION HEAT;MEASURING INSTRUMENTS; CALORIMETERS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM IODIDES;POTASSIUM IODIDES; AQUEOUS SOLUTIONS;TEMPERATURE DEPENDENCE

4958 TEMPERATURE DEPENDENCE OF THE HEATS OF DISSOLUTION OF MONOVALENT METAL SALTS IN WATER AND IN METHANOL. D'yakonova, M.E.; Drakin, S.I.; Harapet'yants, M.Kh. Tr. Mosk. Khim.-Tekhnol. Inst.; No. 67, 12-15(1970). (In Russian).
KCl, NaCl, KI, CsI, RbCl, $AgNO_3$, $NaNO_3$. SOLUTION HEAT;TEMPERATURE DEPENDENCE;METHANOL; WATER;POTASSIUM CHLORIDES;SODIUM CHLORIDES; POTASSIUM IODIDES;CESIUM IODIDES;RUBIDIUM CHLORIDES;SILVER NITRATES;SODIUM NITRATES; SOLVENT PROPERTIES

4959 CHEMISTRY OF SOME HYDROTHERMAL SYSTEMS. Ellis, A.J. Geokhimiya Gidrotermal'n. Rudn. Mestorozhd.; 389-427(1970). (In Russian).
HYDROTHERMAL SYSTEMS;GEOCHEMISTRY;AQUEOUS SOLUTIONS;BARIUM;CESIUM;ABUNDANCE;SILICATES; HALOGENS;CHEMICAL ANALYSIS;THERMAL WATERS; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE; CHEMICAL COMPOSITION

4960 EQUATION FOR THE DENSITY OF VAPOR-SATURATED NACL--H_2O SOLUTIONS FROM 75° TO 325°C. Haas, J.L., Jr. Am. J. Sci.; 269: No. 5, 489-93(1970).
SODIUM CHLORIDES;SATURATION;VOLUME;DENSITY; MEDIUM TEMPERATURE;HIGH TEMPERATURE;VAPORS; ERRORS;EQUATIONS

4961 USE OF A METHOD OF COMPARATIVE CALCULATION OF SALT SOLUTIONS AT HIGH PARAMETERS. Khaibullin, I.Kh.; Borisov, N.M. (Energ. Inst. im. Krzhizhanovskogo, Moscow, USSR). pp 16-21 of Termodin. Termokhim. Konstanty. Astakhov, K.V. (ed.). Moscow; Izd. "Nauka" (1970).
AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM

CHLORIDES;PHYSICAL PROPERTIES;DENSITY;CHEMICAL REACTION KINETICS;POTASSIUM NITRATES;POTASSIUM CARBONATES;POTASSIUM COMPOUNDS;CHROMATES; LITHIUM CHLORIDES;SODIUM SULFATES;HIGH TEMPERATURE

4962 HYDROTHERMAL SOLUTION STRUCTURE. Feodot'ev, K.M. pp 89-101 of Ocherki Geokhim. Rtuti, Molibdena Sery Gigroterm. Protsesse. Feodot'ev, K.M. (ed.). Moscow; Izd. ''Nauka'' (1970).
DENSITY;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE;PHYSICAL PROPERTIES;SODIUM CHLORIDES; CRITICAL TEMPERATURE;THERMAL WATERS

4963 HEATS OF SOLUTION OF SODIUM DODECYL SULFATE AND INORGANIC SALTS DETERMINED WITH A MICROCALORIMETER. Fukuda, S.; Kubo, M.; Fujie, T. (Kyoritsu Pharm Coll., Tokyo, Japan). Kyoritsu Yakka Daigaku Kenkyu Nempo; No. 15, 1-10(1970).
SODIUM SULFATES;SOLUTION HEAT;POTASSIUM CHLORIDES;POTASSIUM NITRATES;SODIUM NITRATES

4964 ELECTRIC CONDUTIVITY OF VAPOR SOLUTIONS OF LITHIUM AND SODIUM CHLORIDES. Lukashov, Yu.M. (Rostov. Inzh.-Stroit. Inst., Rostov, USSR). Teploenergetika (Moscow); 17: No. 8, 84-5(1970).
LITHIUM CHLORIDES;SODIUM CHLORIDES;VAPOR PRESSURE;ELECTRIC CONDUCTIVITY;VAPORS;PRESSURE DEPENDENCE;CHEMICAL REACTION KINETICS

4965 APPARENT AND PARTIAL MOLAL VOLUME OF AQUEOUS SODIUM CHLORIDE SOLUTIONS AT VARIOUS TEMPERATURES. Millero, F.J. J. Phys. Chem.; 74: 356-62(1970).
0.010 to 0.964 molal, ambient pressure, 0° to 55°C, experimental data. APPARENT MOLAL VOLUME;AQUEOUS SOLUTIONS;DENSITY;SODIUM CHLORIDES;DENSIMETERS;MEDIUM TEMPERATURE; PARTIAL MOLAL VOLUME

4966 DENSITY AND VISCOSITY OF SATURATED AQUEOUS SOLUTION OF CERTAIN SUBSTANCES. Postnikov, V.A. Zh. Prikl. Khim.; 44: 236-8(1970). (In Russian).
Ambient pressure, 10° to 80°C. DENSITY; VISCOSITY;AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; SODIUM CHLORIDES;SODIUM HYDROXIDES;SODIUM CARBONATES;SODIUM SULFATES;REVIEWS;MEDIUM TEMPERATURE

4967 APPARENT MOLAR VOLUMES OF ELECTROLYTES IN AQUEOUS SOLUTION AT VERY LOW CONCENTRATION. Raqib, M.A. Sci. Ind. (Karachi); 7: 41-4(1970).
APPARENT MOLAL VOLUME;ELECTROLYTES;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES; DENSIMETERS

4968 PVT-MEASUREMENTS OF CONCENTRATED HYDROCHLORIC ACID TO 500°C AND 1500 BARS. Rau, H.; Narayanan Kutty, T.R. Ber. Bunsenges. Phys. Chem.; 76: 645-51(1970). (In German).
Experimental data. APPARENT MOLAL VOLUME; DENSITY;HYDROCHLORIC ACID;SOLUTIONS;DILATOMETRY; MEDIUM TEMPERATURE;HIGH TEMPERATURE;MEDIUM PRESSURE;HIGH PRESSURE

4969 PRESSURE-VOLUME-TEMPERATURE-CONCENTRATION RELATION OF AQUEOUS NACL SOLUTIONS. Rowe, A.M., Jr.; Chou, J.C.-S. J. Chem. Eng. Data; 15: 61-6(1970).
1 to 300 atm, 20° to 175°C, experimental and calculated data. SODIUM CHLORIDES;AQUEOUS SOLUTIONS;COMPRESSIBILITY;MEDIUM TEMPERATURE; HIGH TEMPERATURE;MEDIUM PRESSURE;HIGH PRESSURE

4970 INTERRELATIONS OF PRESSURE, TEMPERATURE, FILLING FACTOR, AND CONCENTRATION OF AQUEOUS SOLUTIONS OF HYDROCHLORIC ACID AT HIGH TEMPERATURES AND PRESSURES. Samoilovich, L.A. Tr. Vses. Nauch.-Issled. Inst. Sin. Miner. Syr'ya; 1970: 50-4(1970). (In Russian).
to 300 atm, 20° to 280°C. AQUEOUS SOLUTIONS; HYDROCHLORIC ACID;HIGH TEMPERATURE;MEDIUM TEMPERATURE;VOLUME;QUANTITY RATIO;HIGH PRESSURE

4971 COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF SOME HALOGENS III. ALKALINE-EARTH CHLORIDES. Auslander, D.; Onitiu, L. J. Chim. Phys.; 67: 1557-62(1970). (In French).
Ambient pressure, 15° to 50°C, experimental data. COMPRESSIBILITY;AQUEOUS SOLUTIONS;CALCIUM CHLORIDES;HALOGENS;MEDIUM TEMPERATURE; ULTRASONIC WAVES;ADIABATIC PROCESSES

4972 DENSITIES OF AQUEOUS KCL AND UO_2SO_4 FROM 25° TO 374°. Bell, J.T.; Helton, D.M.; Rogers, T.G. J. Chem. Eng. Data; 15: 44-6(1970).
Ambient pressure, tabulated and graphical experimental data. AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES;VAPOR PRESSURE;MEDIUM TEMPERATURE; HIGH TEMPERATURE;DENSITY;DILATOMETRY;URANYL COMPOUNDS;SULFATES

4973 APPARENT MOLAL VOLUME AND EXPANSIBILITY OF ELECTROLYTES. Jain, D.V.S.; Lark, B.S. Indian J. Chem.; 8: 1133-4(1970).
Ambient pressure, 25°, 30°, and 40°C, experimental data. APPARENT MOLAL VOLUME; DENSITY;THERMAL EXPANSION;SODIUM CHLORIDES; MEDIUM TEMPERATURE

4974 ACTIVITY COEFFICIENTS OF POTASSIUM CHLORIDE IN SEVERAL MIXED ELECTROLYTE SOLUTIONS AT 25°. Christenson, P.G.; Gieskes, J.M. (Scripps Inst. Oceanogr., La Jolla, Calif.). J. Chem. Eng. Data; 16: No. 4, 398-400(1971). (In English).
POTASSIUM CHLORIDES;CHEMICAL REACTION KINETICS;AQUEOUS SOLUTIONS;MAGNESIUM CHLORIDES; CALCIUM CHLORIDES;BARIUM CHLORIDES;MAGNESIUM SULFATES;POTASSIUM SULFATES;THERMODYNAMIC PROPERTIES

4975 RAPID METHOD FOR DETERMINING THE AVERAGE SPECIFIC HEAT OF AQUEOUS SOLUTIONS OF INORGANIC COMPOUNDS. Tereshkin, I.V.; Filippov, S.N. (Sverdlovsk. Nauchno-Issled. Inst. Khim. Mashinostr., Sverdlovsk, USSR). Zavod. Lab.; 37: No. 3, 313(1971). (In Russian).
SPECIFIC HEAT;AQUEOUS SOLUTIONS;MEASURING METHODS;NITRIC ACID;SODIUM CHLORIDES; CALORIMETRY

4976 THERMODYNAMIC PROPERTIES OF ELECTROLYTE SOLUTIONS. V. DIFFERENTIAL CRYOSCOPY IN TERNARY SYSTEMS. Vilcu, R.; Irinei, F. (Lab. Chem. Thermodyn. Electrochem., Univ. Bucharest, Bucharest, Rom.). Rev. Roum. Chim.; 16: No. 6, 793-9(1971). (In English).
ELECTROLYTES;AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES;LITHIUM CHLORIDES;POTASSIUM CHLORIDES;WATER;CHEMICAL REACTION KINETICS; CRYOSCOPY

4977 CONDUCTIVITY OF MIXED AQUEOUS ELECTROLYTES. Kulkarni, A.G. (Dep. Chem.,

Poona Univ., Poona, India). J. Indian Chem. Soc.; 48: No. 4, 401-2(1971). (In English).
HCl-NaCl-H_2O, $Pb(NO_3)_2$-KNO_3-H_2O, $BaCl_2$-KCl-H_2O, KCl-NaCl-H_2O. WATER;AQUEOUS SOLUTIONS; ELECTRIC CONDUCTIVITY;ELECTROLYTES;HYDROCHLORIC ACID;SODIUM CHLORIDES;LEAD NITRATES;POTASSIUM NITRATES;BARIUM CHLORIDES;POTASSIUM CHLORIDES; POTASSIUM CHLORIDES;SODIUM CHLORIDES

4978 TWO-FELDSPAR GEOTHERMOMETER. Dunham, A.C. An. Acad. Bras. Cienc.; 43: No. 3-4, 627-31(1971).
FELDSPARS;GEOTHERMOMETRY;PHASE STUDIES; EQUILIBRIUM;SILICATES

4979 THERMOCHEMICAL CALCULATIONS FROM HYDROTHERMAL PHASE EQUILIBRIUM DATA AND THE FREE ENERGY OF H_2O. Fisher, J.R.; Zen, E.-A. Am. J. Sci.; 270: No. 4, 297-314(1971).
WATER;PHASE TRANSFORMATIONS;THERMODYNAMICS; FREE ENERGY;THERMAL EQUILIBRIUM;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;THERMODYNAMIC PROPERTIES

4980 THERMAL DIFFUSION OF 1:1 ELECTROLYTES IN ORDINARY AND IN HEAVY WATER. Wood, C.D.; Hawksworth, W.A. (Dep. Chem., Univ. Natal, Pietermaritzburg, S. Afr.). J. S. Afr. Chem. Inst.; 24: No. 9, 170-6(1971).
ELECTROLYTES;THERMAL DIFFUSION;LITHIUM CHLORIDES;SODIUM CHLORIDES;POTASSIUM CHLORIDES; RUBIDIUM CHLORIDES;CESIUM CHLORIDES;WATER;HEAVY WATER;SPECIFIC HEAT;THERMODYNAMIC PROPERTIES

4981 EXPERIMENTAL METHODS AND RESULTS OF DETERMINING THE DENSITIES OF AQUEOUS SOLUTIONS OF POTASSIUM SULFATE AT 397°C IN THE 600-1500 KG/CM² PRESSURE RANGE. Ravich, M.I.; Borovaya, F.E. Zh. Neorg. Khim.; 16: 1776-81(1971). (In Russian).
Tabulated and graphical data. DENSITY; AQUEOUS SOLUTIONS;POTASSIUM SULFATES;HIGH TEMPERATURE;COMPRESSIBILITY;WATER;PARTIAL MOLAL VOLUME

4982 VOLUME PROPERTIES OF POTASSIUM SULFATE SOLUTIONS AT HIGH PRESSURES IN THE 300°-500°C RANGE. Ravich, M.I.; Borovaya, F.E. Zh. Neorg. Khim.; 16: 3135-41(1971). (In Russian).
300 to 1500 kg/cm², experimental data. DENSITY;POTASSIUM SULFATES;HIGH TEMPERATURE; DILATOMETRY;WATER;COMPRESSIBILITY;PARTIAL MOLAL VOLUME

4983 STRUCTURE OF MOLAL CHLORIDE--HYDROCHLORIC ACID--WATER AND METAL SULFATE--SULFURIC ACID--WATER TYPE SYSTEMS. Berecz, E. Teor. Rastvorov.; 1971: 77-85(1971). (In Russian).
10 to 50°C, ambient pressure. HYDROCHLORIC ACID;SULFURIC ACID;CALCIUM CHLORIDES;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;VISCOSITY;MEDIUM TEMPERATURE

4984 SYSTEM KCL--$FECL_2$--H_2O AT 0°C. Kolosov, A.S.; Novik, V.Ph.; Chuprakova, T.V. Izv. Akad. Nauk SSSR, Sib. Otd., Ser. Khim. Nauk; 1971: 24-8(1971). (In Russian).
Ambient pressure, experimental data. POTASSIUM CHLORIDES;IRON CHLORIDES;AQUEOUS SOLUTIONS;WATER;DENSITY

4985 ACIDITY CONDITIONS OF HYDROTHERMAL SOLUTIONS. Samoilov, V.S.; Alekhin, Yu.V. (Sib. Inst. Geokhim., Irkutsk, USSR). pp 193-200 of Ezheg., Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR 1970. (1971).
HYDROTHERMAL SYSTEMS;THERMAL WATERS;PH VALUE; MINERALS;EQUILIBRIUM;MAGMA;GRANITES; MINERALIZATION

4986 NEUTRON-ACTIVATION DETERMINATION OF LITHIUM IN THERMAL WATERS. Zverev, B.P.; Simakhin, Yu.F.; Umarov, M.U.; Khasanov, A.S. Vop. Gidrokhim. Prir. Vod. Aridn. Zony SSSR; 117-23(1971).
THERMAL WATERS;LITHIUM;ACTIVATION ANALYSIS; CHEMICAL ANALYSIS;EVAPORATION

4987 THERMOPHYSICAL CHARACTERISTICS OF AQUEOUS CALCIUM CHLORIDE SOLUTIONS. Voitko, A.M.; Kovaleva, R.I.; Tspalin, R.A. Novye Metody Tekhnol. Kontr. Konserv. Vinodol Proizvod; 1972: 172-7(1972). (In Russian).
Ambient pressure, 50° to 130°C. AQUEOUS SOLUTIONS;CALCIUM CHLORIDES;DENSITY;MEDIUM TEMPERATURE

4988 APPARENT MOLAL VOLUMES OF SODIUM CHLORIDE AND MAGNESIUM CHLORIDE IN AQUEOUS SOLUTION. Wirth, H.E.; Bangret, F.K. J. Phys. Chem.; 76: 3488-91(1972).
Ambient pressure, 25°C, experimental data. APPARENT MOLAL VOLUME;SODIUM CHLORIDES; MAGNESIUM CHLORIDES;AQUEOUS SOLUTIONS; DILATOMETRY;MEDIUM TEMPERATURE

4989 HIGH-PRECISION, VARIABLE-PRESSURE MAGNETIC FLOAT DENSIMETER. Millero, F.J.; Knox, J.H.; Emmet, R.I. J. Solution Chem.; 1: 173-86(1972).
0.75 to 1.0 molal, 0 to 1.2 kb, 25°C, experimental data. DENSITY;PARTIAL MOLAL VOLUME; SODIUM CHLORIDES;MEDIUM TEMPERATURE;DENSIMETERS

4990 EFFECT OF PRESSURE ON THE IONIZATION OF WATER AT VARIOUS TEMPERATURES FROM MOLAL VOLUME DATA. Millero, F.J.; Hoff, E.V.; Kahn, L. J. Solution Chem.; 1: 309-27(1972).
0° to 50°C, 0.001 to 1 molal, ambient pressure, experimental data. APPARENT MOLAL VOLUME;DENSITY;HYDROCHLORIC ACID;SODIUM HYDROXIDES;SODIUM CHLORIDES;MEDIUM TEMPERATURE

4991 PARTIAL MOLAL VOLUMES OF ELECTROLYTES IN AQUEOUS SOLUTIONS. Millero, F.J. pp 519-95 of Water and aqueous solutions. Horne, R.A. (ed.). New York; Wiley-Interscience (1972).
0° to 200°C. REVIEWS;PARTIAL MOLAL VOLUME; ELECTROLYTES;QUANTITY RATIO;TEMPERATURE DEPENDENCE;WATER;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4992 COMPRESSIBILITY OF AQUEOUS SOLUTIONS OF CERTAIN HALIDES. I. ALKALI METAL CHLORIDES. Onitiu, L.; Auslander, D. Acta Chim. (Budapest); 75: 45-51(1972). (In French).
15° to 50°C, ambient pressure. COMPRESSIBILITY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;VELOCITY;SOUND WAVES

4993 ANALYSIS OF PHYSIOCHEMICAL CHARACTERISTICS AND ACTIVATION THERMODYNAMICAL FUNCTIONS OF THE SODIUM HYDROXIDE--WATER AND SODIUM HYDROXIDE--WATER--ALUMINUM OXIDE SYSTEMS. Riedl, I. Nehezip Musz. Egyet, Miskolc, Idennyelva Kozlen; 32: 217-31(1972).
Ambient presure, experimental data. SODIUM HYDROXIDES;WATER;ALUMINIUM OXIDES;DENSITY; TEMPERATURE DEPENDENCE;QUANTITY RATIO;SOLUTIONS

4994 CALCULATION OF THE DENSITY OF AQUEOUS SALT SOLUTIONS USING DIGITAL COMPUTERS. Shakhov, Yu.A. Tr. Vses. Nauch.-Issled. Proekt. Inst. Galurgii; 227-34(1972). (In Russian).
DENSITY;AQUEOUS SOLUTIONS;COMPUTER CODES; COMPUTER CALCULATIONS;POLYNOMIALS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SODIUM SULFATES; POTASSIUM SULFATES

4995 PREDICTIONS OF THE GEOCHEMICAL BEHAVIOR OF AQUEOUS ELECTROLYTES AT HIGH TEMPERATURES AND PRESSURES. Marshall, W.L. (Reactor Chemistry Div., ORNL, Oak Ridge, TN). Chem. Geol.; 10: 59-68(1972).
From International Geochemical Congress; Moscow, USSR (20-25 Jul 1971).
0-800°C and 1-4000 bars. ELECTROLYTES; AQUEOUS SOLUTIONS;GEOCHEMISTRY;IONIZATION; SOLUBILITY;THERMODYNAMIC PROPERTIES;ELECTRIC CONDUCTIVITY;SODIUM CHLORIDES;SALTS

4996 PHYSICAL PROPERTIES OF SEA WATER SOLUTIONS: DENSITY. Isdale, J.D.; Morris, R. Desalination; 10: 329-39(1972).
Ambient pressure, 70° to 180°C, experimental data. DENSITY;SEAWATER;SALINITY;DILATOMETRY; MEDIUM TEMPERATURE;HIGH TEMPERATURE

4997 VAPOR PRESSURE AND DENSITY OF THE SYSTEM H_2O--NAOH. Krey, J. Z. Phys. Chem., N.F; 81: 252-73(1972). (In German).
Ambient pressure, 0° to 350°C, experimental data. VAPOR PRESSURE;DENSITY;AQUEOUS SOLUTIONS; SODIUM HYDROXIDES;MEDIUM TEMPERATURE;HIGH TEMPERATURE

4998 THERMODYNAMIC PROPERTIES OF MIXED ELECTROLYTE SOLUTIONS. IV. CHANGES IN ENTHALPY DURING THE MIXING OF AQUEOUS SOLUTIONS OF ALKALI METAL CHLORIDES. Stakhanova, M.S.; Mikulin, G.I.; Karapet'yants, M.Kh.; Vlasenko, K.K.; Bazlova, I.V. (Mosk. Khim.-Tekhnol. Inst. im. Mendeleeva, Moscow, USSR). pp 77-82 of Fiz. Khim. Rastvorov. Samoilov, O.Ya. (ed.). Moscow; ''Nauka'' (1972).
ELECTROLYTES;AQUEOUS SOLUTIONS;CHLORIDES; ALKALI METAL COMPOUNDS;ENTHALPY;MIXTURES; THERMODYNAMIC PROPERTIES

4999 SPECIFIC HEATS OF AQUEOUS SODIUM CHLORIDE AND PERCHLORATE SOLUTIONS. Loseva, G.K. Tr. Novocherkassk. Politekh. Inst.; No. 266, 82-5(1972).
SPECIFIC HEAT;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;SODIUM PERCHLORATES

5000 SPECIFIC HEAT OF SOLUTIONS OF ELECTROLYTES AND THEIR MIXTURES. III. EXPERIMENTAL DETERMINATION OF SPECIFIC HEATS OF SODIUM CARBONATE, SODIUM BICARBONATE, AND AMMONIUM BICARBONATE AQUEOUS SOLUTIONS AND SODA PRODUCTION LIQUIDS AT 35 AND 50°. Chernen'kaya, E.L.; Bratash, E.G. (Gos. Nauchno-Issled. Proektn. Inst. Osn. Khim., USSR). Zh. Prikl. Khim.; 45: No. 10, 2218-24(1972).
SODIUM CARBONATES;AMMONIUM COMPOUNDS; CARBONATES;SPECIFIC HEAT;AQUEOUS SOLUTIONS; MEDIUM TEMPERATURE

5001 TEMPERATURE VARIATION OF THE THERMODYNAMIC FUNCTIONS OF WATER IONIZATION. II. ENTHALPY OF IONIZATION. Muzsnay, C. Stud. Univ. Babes-Bolyai, Ser. Chem.; 17: No. 2, 15-21(1972).
THERMODYNAMIC PROPERTIES;IONIZATION;ENTHALPY; TEMPERATURE DEPENDENCE;WATER

5002 MEASUREMENTS OF THE THERMAL CONDUCTIVITY OF GASES AND GAS MIXTURES. METHODS AND RESULTS. Dijkema, K.M.; Stouthart, J.C.; De Vries, D.A. (Eindhoven Univ. Technol., Eindhoven, Netherlands). Waerme-Stoffuebertrag.; 5: No. 1, 47-55(1972).
THERMAL CONDUCTIVITY;GASES;WATER VAPOR; THERMISTORS;MIXTURES

5003 PHYSICOCHEMICAL PROPERTIES OF THE SODIUM PERCHLORATE--CHLORATE--CHLORIDE--WATER SYSTEM AT 60°. Loseva, G.K. Tr. Novocherkassk. Politekh. Inst.; No. 266, 78-81(1972).
SODIUM CHLORIDES;SODIUM PERCHLORATES;WATER; SOLUBILITY;DENSITY;VISCOSITY;ELECTRIC CONDUCTIVITY;PHYSICAL PROPERTIES;CHEMICAL PROPERTIES;AQUEOUS SOLUTIONS

5004 THERMOCHEMISTRY OF SUPERSATURATED SOLUTIONS. XI. HEATS OF CRYSTALLIZATION OF SODIUM AND POTASSIUM SULFATES FROM SUPERSATURATED AQUEOUS SOLUTIONS AT VARIOUS TEMPERATURES. Gritsus, B.V.; Akhumov, E.I.; Zhilina, L.P. Zh. Prikl. Khim.; 45: No. 11, 2556-7(1972).
SODIUM SULFATES;AQUEOUS SOLUTIONS;POTASSIUM SULFATES;CRYSTALLIZATION;ENTHALPY;MEDIUM TEMPERATURE;CHEMICAL PROPERTIES;THERMODYNAMIC PROPERTIES

5005 EFFECT OF TEMPERATURE AND PRESSURE ON THE THERMAL CONDUCTIVITY OF WATER. Mamedov, A.M.; Akhundov, T.S.; Ismailov, D.S. (Azerb. Inst. Nefti Khim. im. Azizbekova, Baku, USSR). Teplofiz. Vys. Temp.; 10: No. 6, 1329-31(1972).
WATER;THERMAL CONDUCTIVITY;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;EQUATIONS

5006 CALCULATION OF THE SOLUBILITY OF SALTS IN THE QUINARY SYSTEM OF SODIUM CHLORIDE--POTASSIUM CHLORIDE--MAGNESIUM CHLORIDE--CALCIUM CHLORIDE--WATER SATURATED WITH SODIUM CHLORIDE. Motoyama, M.; Kadota, M.; Oka, S. (Toyo Univ., Kawagoe, Japan). Nippon Kaisui Gakkaishi; 26: No. 139, 16-20(1972).
At 25°C. SOLUBILITY;SALTS;SODIUM CHLORIDES; POTASSIUM CHLORIDES;MAGNESIUM CHLORIDES;CALCIUM CHLORIDES;WATER;MEDIUM TEMPERATURE

5007 REFRACTROMETRIC METHOD FOR THE STUDY OF MINERAL WATERS (AS ILLUSTRATED BY THE THERMAL WATERS OF THE CRIMEA). Nesterov, K.V. (Odes. Nauk Dosl.-Issled. Kurortol., Odessa, USSR). Geol. Poberezh'ya Dna Chern. Azovskogo Morei Predelakh Ukr. SSR; No. 6, 127-32(1972).
THERMAL WATERS;REFRACTION;CHEMICAL COMPOSITION;PH VALUE;ENTHALPY;USSR;CHEMICAL ANALYSIS

5008 STRUCTURE OF AQUEOUS SOLUTIONS OF CALCIUM CHLORIDE. Ivanov, B.D.; Tsarev, V.P.; Chemakin, N.M. Nauch.-Tekh. Progress Fiz.-Tekh. Probl. Severa; 153-4(1972).
CALCIUM CHLORIDES;AQUEOUS SOLUTIONS; HYDRATION;PHYSICAL PROPERTIES

5009 THERMODYNAMIC STUDY OF AQUEOUS AND STEAM SOLUTIONS OF SODIUM SULFATE AT HIGH TEMPERATURES. Khaibullin, I.K.; Novikov, B.E. (G.M. Krzhizhanovskii Power Inst., USSR). High Temp. (USSR) (Engl. Transl.); 11: No. 2,

276-82(1973).
SODIUM SULFATES;AQUEOUS SOLUTIONS; THERMODYNAMIC PROPERTIES;HIGH TEMPERATURE; TEMPERATURE DEPENDENCE;PHASE TRANSFORMATIONS; WATER;STEAM;PHASE DIAGRAMS;VAPORIZATION HEAT; ENTHALPY

5010 CONDITIONS FOR SPONTANEOUS RUPTURE OF SUPERCOOLING AND SUPERSATURATION STATES OF AQUEOUS SALINE SOLUTIONS. Lafargue, G.; Babin, L.; Xans, P.; Clausse, D.; Lere Porte, M. (Univ. Recherche Sci., Pau, France). C. R. Hebd. Seances Acad. Sci., Ser. A, B; 277: No. 11, 245-7(1973). (In French).
SALTS;AQUEOUS SOLUTIONS;SUPERSATURATION; PHASE DIAGRAMS;WATER;PHASE STUDIES

5011 'TRANSITIONS TO THE LIQUID STATE' PRECEDING THE RUPTURE OF METASTABLE STATES OF WATER AND AQUEOUS SOLUTIONS OF NH_4CL AND KCL. Lafargue, C.; LePetit, J.-P.; Peyrelasse, J. (Inst. Univ. Recherche Sci., Pau, France). C. R. Hebd. Seances Acad. Sci., Ser. A, B; 277: No. 12, 289-92(1973). (In French).
POTASSIUM CHLORIDES;AMMONIUM COMPOUNDS; EMULSIONS;AQUEOUS SOLUTIONS;PERMITTIVITY;PHASE TRANSFORMATIONS;CHLORIDES;WATER;PHASE STUDIES

5012 CONDITIONS FOR SPONTANEOUS RUPTURE OF THE SUPERCOOLING AND SUPERSATURATION STATES OF AQUEOUS SALINE SOLUTIONS. Yans, P. (Univ. Pau et des Pays de l'Adour, France). C. R. Hebd. Seances Acad. Sci., Ser. A, B; 277: No. 13, 321-4(1973). (In French).
SALTS;AQUEOUS SOLUTIONS;SUPERSATURATION; PHASE DIAGRAMS;WATER;PHASE STUDIES

5013 USE OF EQUATIONS RELATING THE SPECIFIC HEAT CAPACITY OR DENSITY OF ELECTROLYTE SOLUTIONS TO CONCENTRATION. Vasilev, V.A.; Fedyainov, N.V.; Karapet'yants, M.K.; Karpachev, A.I. Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.; 16: 689-93(1973). (In Russian).
Concentration dependence, 25°C. SPECIFIC HEAT;EQUATIONS;DENSITY;ELECTROLYTES;QUANTITY RATIO;CALCIUM CHLORIDES;SOLUTIONS

5014 INVESTIGATION OF THE DENSITY AND VISCOSITY OF ALUMINUM AND POTASSIUM SULFATE SOLUTIONS. Likhoded, A.D.; Zapol'skii, A.K.; Sazhin, V.S. Khim. Tekhnol. (Kharkov); 1973: 55-7(1973). (In Russian).
Ambient pressure, 25°C, hydrometer measurement,tabulated experimental data. DENSITY;POTASSIUM SULFATES;VISCOSITY;SOLUTIONS; MEDIUM TEMPERATURE

5015 DENSITY OF AQUEOUS ELECTROLYTE SOLUTIONS. Maksimova, I.N.; Foterov, N.V. Ukr. Khim. Zh.; 39: 234-7(1973). (In Russian).
Calculated data, empirical equation. DENSITY; AQUEOUS SOLUTIONS;SODIUM CHLORIDES

5016 DENSITY, VISCOSITY AND ELECTRICAL CONDUCTIVITY OF SEA WATER AT TEMPERATURES UP TO 300-350°C. Mashovets, V.P.; Puchkov, L.V.; Smaev, V.N.; Federov, M.K.; Federov, N.V. Zh. Prikl. Khim.; 46: 1865-8(1973). (In Russian).
3.6 wt. percent, ambient to 150 atm pressure, experimental data. DENSITY;VISCOSITY; ELECTRIC CONDUCTIVITY;SEAWATER;HIGH TEMPERATURE; MEDIUM TEMPERATURE;PYCNOMETERS

5017 SEAWATER - TEST OF MULTICOMPONENT ELECTROLYTE SOLUTION THEORIES. I. APPARENT EQUIVALENT VOLUME, EXPANSIBILITY, AND COMPRESSIBILITY OF ARTIFICIAL SEAWATER. Millero, F.J. J. Solution Chem.; 2: 1-22(1973).
Ambient pressure, 0° to 40°C, experimental and calculated data. ELECTROLYTES; COMPRESSIBILITY;POTASSIUM CHLORIDES;SODIUM CHLORIDES;WATER;APPARENT MOLAL VOLUME;SEAWATER

5018 APPARENT MOLAL VOLUMES OF AQUEOUS NAF, NA_2SO_4, KCL, K_2SO_4, MGCL, AND $MGSO_4$ SOLUTIONS AT 0° AND 50°C. Millero, F.J.; Knox, J.H. J. Chem. Eng. Data; 18: 407-11(1973).
Ambient pressure, 0° to 50°C, experimental data. APPARENT MOLAL VOLUME;SODIUM FLUORIDES; SODIUM SULFATES;POTASSIUM CHLORIDES;POTASSIUM SULFATES;MAGNESIUM CHLORIDES;MAGNESIUM SULFATES; MEDIUM TEMPERATURE;DENSITY;DENSIMETERS

5019 PARTIAL MOLAL VOLUMES OF SOME REPRESENTATIVE SOLUTES IN H_2O AND D_2O. Choi, Y.S.; Bonner, O.D. Z. Phys. Chem. (Frankfurt); 87: 188-97(1973).
0.19° to 76.68°C, ambient pressure, tabulated data. PARTIAL MOLAL VOLUME;WATER; HEAVY WATER;DENSITY;MEDIUM TEMPERATURE;APPARENT MOLAL VOLUME;PYCNOMETERS;SODIUM CHLORIDES; POTASSIUM CHLORIDES

5020 PARTIAL MOLAL VOLUMES OF AQUEOUS CHLORIDE SOLUTIONS AT HIGH TEMPERATURES AND PRESSURES. Egorov, V.M.; Ikornikova, N.Yu. Zap. Vses. Mineral. O-va.; 102: 272-82(1973). (In Russian).
500 to 1500 Kg/cm², 200° to 700°C, theoretical study, tabulated and graphical data. APPARENT MOLAL VOLUME;AQUEOUS SOLUTIONS; SODIUM CHLORIDES;HIGH TEMPERATURE;HIGH PRESSURE

5021 VISCOSITY OF SALT SOLUTIONS SIMULATING NATURAL SOLUTIONS. Epifanova, S.S.; Kaprina, Yu.D.; Kaptsova, T.N.; Korchemskaya, K.M.; Krasilnikova, R.G.; Likhacheva, O.A.; Makarov, A.V.; Makareva, T.S.; Maksimova, M.P.; Fokeev, V.M. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; 16: 154-6(1973). (In Russian).
VISCOSITY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES; POTASSIUM CHLORIDES;SODIUM SULFATES;DENSITY

5022 DIFFUSION AND VISCOSITY IN AQUEOUS MEDIA. BEHAVIOR OF CALCIUM(II) AND CERIUM(III) IONS AND THEIR COMPLEXES WITH EDTA AND DCTA (1,2-DIAMINOCYCLOHEXANETETRAACETIC ACID). Hurtado, G.G.; Mateo, P.L.; Serna, A.; Vidal-Abarca, J.B. An. Quim.; 69: 295-303(1973). (In Spanish).
Ambient pressure, 10° to 35°C. DENSITY; CALCIUM CHLORIDES;MEDIUM TEMPERATURE

5023 THERMODYNAMIC STUDY OF AQUEOUS AND VAPOR SOLUTIONS OF SODIUM SULFATE AT HIGH TEMPERATURES. Khaibullin, I.Kh.; Novikov, B.E. Teplofiz. Vys. Temp.; 11: 320-7(1973). (In Russian).
Ambient pressure, 100° to 417°C, tabulated data. THERMODYNAMIC PROPERTIES;AQUEOUS SOLUTIONS;SODIUM SULFATES;SODIUM CHLORIDES; GASES;DENSITY;GAMMA RADIATION;TRANSMISSION;HIGH TEMPERATURE;MEDIUM TEMPERATURE

5024 SELECTION OF A PROCEDURE FOR STUDYING THE THERMAL CONDUCTIVITY OF SEA WATER. Slesarenko, V.N.; Belyi, A.M. (Dal'nevost. Politekh. Inst., Vladivostok, USSR). pp 351-61 of Mater. Vses. Nauchno-Tekh. Soveshch.

Teploobmennym Teplofiz. Svoistvam Morsk. Solonovatykh Vod Ikh Ispol'z. Parogeneratorakh Opresnitelyakh, 1st, 1972. Yusufova, V.D.; Pepinov, R.I. (eds.). Baku, USSR; Azerb. Nauchno-Issled. Inst. Energ. (1973).
SEAWATER;THERMAL CONDUCTIVITY;MEDIUM TEMPERATURE;MEASURING METHODS

5025 EFFECT OF AMMONIUM CHLORIDE ON SOLUBILITY IN THE POTASSIUM CHLORIDE--SODIUM CHLORIDE--WATER SYSTEM. Kudryashov, S.F.; Myasnikova, I.M.; Frolova, S.I. pp 82-4 of *Khim. Khim. Tekhnol., Obl. Nauchno-Tekh. Konf., [Mater], 4th, 1973*, Volume 2. Kudryashov, S.F. (ed.). Perm, USSR; Permsk. Politekh. Inst. (1973).
At 25, 50, and 75°. AMMONIUM CHLORIDES; SOLUBILITY;SODIUM CHLORIDES;WATER;POTASSIUM CHLORIDES;AQUEOUS SOLUTIONS

5026 ELECTRICAL CONDUCTIVITY OF DILUTE AQUEOUS SOLUTIONS OF POTASSIUM SILICATE. Ivanov, N.K.; Gor'eva, T.G.; Zakharov, M.S. (Tyumen. Ind. Inst., Tyumen, USSR). *Zh. Obshch. Khim.*; 43: No. 2, 254-6(1973).
POTASSIUM SILICATES;ELECTRIC CONDUCTIVITY; POTASSIUM HYDROXIDES;SILICON OXIDES;AQUEOUS SOLUTIONS

5027 THERMAL CONDUCTIVITY OF POTASSIUM CHLORIDE AND CALCIUM CHLORIDE AQUEOUS SOLUTIONS. Fatullaev, F.G.; Kerimov, A.M. (Azerb. Nauchno-Issled. Inst. Energ. im. Es'mana, Baku, USSR). *Zh. Fiz. Khim.*; 47: No. 6, 1608(1973).
At 20 to 200°, coaxial cylinder method. THERMAL CONDUCTIVITY;POTASSIUM CHLORIDES; CALCIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

5028 REAL ACTIVITY COEFFICIENTS OF INDIVIDUAL IONS IN AQUEOUS SOLUTIONS OF HYDROGEN CHLORIDE AND ALKALI METAL CHLORIDES AT 25°. Rabinovich, V.A.; Alekseeva, T.E. (Leningr. Gos. Pedagog. Inst. im. Gertsena, Leningrad, USSR). *Dokl. Akad. Nauk SSSR*; 210: No. 5, 1136-9(1973).
HYDROCHLORIC ACID;ANIONS;CATIONS;AQUEOUS SOLUTIONS;SILVER CHLORIDES;LITHIUM CHLORIDES; SODIUM CHLORIDES;POTASSIUM CHLORIDES;CESIUM CHLORIDES;REACTION KINETICS

5029 THERMODYNAMICS OF CONCENTRATED ELECTROLYTE SOLUTIONS. II. THERMODYNAMIC CHARACTERISTICS OF THE DISSOLUTION OF LITHIUM, SODIUM, AND POTASSIUM HALIDES IN WATER AT 25°. Klopov, V.I.; Krestov, G.A.; Semin, A.V. (Ivanov. Tekhnol.Inst., Ivanovo, USSR). *Zh. Fiz. Khim.*; 47: No. 7, 1853-4(1973).
SODIUM CHLORIDES;POTASSIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;FREE ENERGY; DISSOLUTION;ALKALI METAL COMPOUNDS;ENTHALPY; ENTROPY;THERMODYNAMIC PROPERTIES;LITHIUM COMPOUNDS;SODIUM COMPOUNDS;BROMIDES;IODIDES

5030 INTEGRAL HEATS OF SOLUTION OF SODIUM AND POTASSIUM CHLORIDES IN THE SODIUM CHLORIDE--POTASSIUM CHLORIDE--WATER SYSTEM. Gaidukova, T.I.; Shadskii, S.V. *Zh. Fiz. Khim.*; 47: No. 7, 1863-4(1973).
SOLUTION HEAT;SODIUM CHLORIDES;POTASSIUM CHLORIDES;WATER;CALORIMETRY

5031 THERMAL CONDUCTIVITY OF SODIUM CARBONATE, POTASSIUM CARBONATE, POTASSIUM CHLORIDE, AND POTASSIUM SULFATE SOLUTIONS AT DIFFERENT TEMPERATURES. Chernen'kaya, E.I.; Vernigora, G.A. *Zh. Prikl. Khim.*; 46: No. 7, 1603-5(1973).
25 to 90°. AQUEOUS SOLUTIONS;SODIUM CARBONATES;POTASSIUM CARBONATES;POTASSIUM CHLORIDES;POTASSIUM SULFATES;THERMAL CONDUCTIVITY;TEMPERATURE EFFECTS;MEDIUM TEMPERATURE

5032 OSMOTIC COEFFICIENTS OF AQUEOUS POTASSIUM CHLORIDE SOLUTIONS AT 50 AND 70°. Herrington, T.; Jackson, R.J. (Dep. Chem., Univ. Reading, Reading, England). *J. Chem. Soc. (London), Faraday Trans., I*; 69: No. 9, 1635-47(1973).
POTASSIUM CHLORIDES;VAPOR PRESSURE;REACTION KINETICS;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE; OSMOSIS

5033 THERMAL ANOMALY IN THE TEMPERATURE DEPENDENCE OF THE ENERGY-VOLUME COEFFICIENT OF AQUEOUS POTASSIUM CHLORIDE SOLUTIONS. Lee, I.; Hyne, J.B. (Coll. Eng., Seoul Natl. Univ., Seoul, S. Korea). *Seoul Natl. Univ. Fac. Pap., Sci. Technol. Ser. C*; 2: 17-20(1973).
AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; TEMPERATURE DEPENDENCE;VOLUME;ENERGY; THERMODYNAMIC PROPERTIES

5034 ENTHALPY OF SOLUTION OF ALKALI HALIDES IN AQUEOUS SOLUTIONS OF THE CORRESPONDING HYDROGEN HALIDES. Joly, R.D.; Thourey, J.; Perachon, G. (Lab. Physicochim. Miner., Inst. Natl. Sci. Appl., Villeurbanne, Fr.). *C. R. Hebd. Seances Acad. Sci., Ser. C*; 277: No. 22, 1179-81(1973).
ENTHALPY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES; LITHIUM CHLORIDES;POTASSIUM CHLORIDES; HYDROCHLORIC ACID;DISSOLUTION;SOLUTION HEAT

5035 THERMAL CONDUCTIVITY COEFFICIENT OF NATURAL AND SYNTHETIC MICA. Egorov, B.N.; Kondratenkov, V.I.; Anikin, I.N. pp 101-5 of *Teplofiz. svoistva tverd. veshchestv, mater. vses. teplofiz. konf. svoistvam veshchestv vys. temp., 4th, 1971*. Moscow; ''Nauka'' (1973).
MICA;THERMAL CONDUCTIVITY;TEMPERATURE DEPENDENCE;HIGH TEMPERATURE

5036 SOLUBILITY ISOTHERMS IN TERNARY AQUEOUS SYSTEMS OF POTASSIUM AND CALCIUM NITRATES AND CHLORIDES AT 35°. Vereshchagina, V.I.; Derkacheva, V.N.; Shulyak, L.F.; Zolotareva, L.V. (Rostov.-na-Donu Inst. S.-Kh. Mashinostr., Rostov-on-Don, USSR). *Zh. Neorg. Khim.*; 18: No. 2, 507-12(1973).
POTASSIUM CHLORIDES;CALCIUM CHLORIDES;WATER; POTASSIUM NITRATES;CALCIUM NITRATES;SOLUBILITY; HYDRATES;ISOTHERMAL PROCESSES

5037 COMPUTER CALCULATION OF THE THERMODYNAMIC PROPERTIES OF WATER AND STEAM. Foshko, L.S.; Zusmanovich, L.B.: Zhalyaletdinov, R.Ya.; Pal'chik, V.A. (Donetsk. Ord., Gos. Trest Organ. Ratsion, Raionnykh Electrostants. Setei, Donetsk, USSR). *Teploenergetika (Moscow)*; No. 1, 61-4(1973).
0 to 600°, 0 to 350 atm. WATER;STEAM; THERMODYNAMIC PROPERTIES;ENTHALPY;ENTROPY; DENSITY

5038 METASTABLE EQUILIBRIUMS IN (SODIUM(+), POTASSIUM(+), AND MAGNESIUM(2+) CATIONS)-(CHLORIDE AND SULFATE ANIONS)-WATER SYSTEMS DURING ISOTHERMIC EVAPORATION AT 343.2°K. Saparov, G.M. (Turk. Politekh. Inst., Ashkhabad, USSR). *Izv. Akad. Nauk Turkm. SSR, Ser. Fiz.-Tekh., Khim. Geol. Nauk*; No. 1, 112-

14(1973).
BRINES;EQUILIBRIUM;SODIUM COMPOUNDS; POTASSIUM COMPOUNDS;MAGNESIUM COMPOUNDS; CHLORIDES;SULFATES;CATIONS;EVAPORATION;MEDIUM TEMPERATURE;ISOTHERMAL PROCESSES

5039 CORRELATION OF STRUCTURE AND LIMITING TEMPERATURES OF AQUEOUS SOLUTIONS OF ELECTROLYTES. Abrosimov, V.K. (Ivanovo, Energ. Inst., Ivanovo, USSR). ZSTKA; 14: No. 1, 154-6(1973).
ELECTROLYTES;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;POTASSIUM BROMIDES;SODIUM SULFATES;AMMONIUM COMPOUNDS; HYDRATION;SULFATES

5040 ACTIVITY COEFFICIENTS OF HYDROGEN CHLORIDE, SODIUM CHLORIDE, AND POTASSIUM CHLORIDE IN SEVERAL MIXED ELECTROLYTE SOLUTIONS AT 25°. Christenson, P.G. (Scripps Inst. Oceanogr., La Jolla, CA). J. Chem. Eng. Data; 18: No. 3, 285-8(1973).
REACTION KINETICS;HYDROCHLORIC ACID;SODIUM CHLORIDES;POTASSIUM CHLORIDES;MAGNESIUM CHLORIDES;CALCIUM CHLORIDES;BARIUM CHLORIDES; AQUEOUS SOLUTIONS

5041 THERMAL ANOMALY IN THE TEMPERATURE DEPENDENCE OF THE ENERGY-VOLUME COEFFICIENT OF AQUEOUS POTASSIUM CHLORIDE SOLUTIONS. Lee, I.; Hyne, J.B. (Dep. Chem., Univ. Calgary, Calgary, Alberta). Can. J. Chem.; 51: No. 12, 1885-8(1973).
POTASSIUM CHLORIDES;TEMPERATURE DEPENDENCE; AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES

5042 THERMODYNAMIC PROPERTIES OF GASEOUS MIXTURES OF WATER AND CARBON DIOXIDE BETWEEN 450° AND 800° AND 0 TO 500 BARS. Greenwood, H.J. (Dep. Geol. Sci., Univ. British Columbia, Vancouver, B.C.). Am. J. Sci.; 273: No. 7, 561-71(1973).
Activity coefficients. MIXTURES;CARBON DIOXIDE;WATER;GASES;THERMODYNAMIC PROPERTIES; TABLES;EQUATIONS;REACTION KINETICS

5043 ARTIFICIAL HOT SPRING COMPOSITION. Hatsutori, Y.; Hatsutori, K. (to Sanei Chemical Industries, Ltd.). Japanese Patent 39,622. 11 Jun 1973. Filed date 22 Sep 1971. 5p.
HOT SPRINGS;CHEMICAL PREPARATION;THERMAL WATERS;CHEMICAL COMPOSITION;THERAPY;USES; CALCIUM CARBONATES;SODIUM CARBONATES;SODIUM CHLORIDES;SIMULATION;BORAX;SALTS

5044 DETERMINING THE DENSITY AND VISCOSITY OF CONCENTRATED SOLUTIONS OF CERTAIN SALTS IN THE 20-80°C TEMPERATURE RANGE. Shilovskaya, M.E.; Lenkova, V.I. Teploenergetika (Moscow); 21: No. 1, 93-4(1974).
Ambient pressure, 20° to 80°C, experimental data. DENSITY;VISCOSITY;SOLUTIONS;MEDIUM TEMPERATURE;SODIUM CARBONATES;SODIUM SULFATES; PYCNOMETERS

5045 PHASE EQUILIBRIA AND THERMODYNAMIC CHARACTERISTICS OF SOLUTIONS IN THE SYSTEMS NACL--H_2O AND NAOH--H_2O AT 350-550°C. Urusova, M.A. Geokhimiya; 1974: 1360-6(1974). (In Russian).
230 and 600 kg/cm², experimental data. DENSITY;SODIUM CHLORIDES;THERMODYNAMIC PROPERTIES;EQUILIBRIUM;DILATOMETRY;WATER;HIGH TEMPERATURE

5046 APPROXIMATION OF THE THERMODYNAMIC PROPERTIES OF WATER VAPOR FOR LOW PARAMETERS. Zil'berman, A.S. Energomashinostroenie; 20: No. 5, 9-11(1974).
WATER VAPOR;THERMODYNAMIC PROPERTIES; ENTHALPY;ENTROPY;DENSITY;SPECIFIC HEAT; ALGORITHMS

5047 GEOCHEMISTRY OF CARBONACEOUS SUBSTANCES IN HYDROTHERMAL MINERAL FORMATION. Florovskaya, V.N.; Pikovskii, Yu.I; Teplitskaya, T.A. (Mosk. Gos. Univ., Moscow). pp 143-6 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; ''Nauka'', Sib. Otd. (1974).
THERMAL WATERS;GEOCHEMISTRY;USSR; CARBONACEOUS MATERIALS;HYDROTHERMAL SYSTEMS; SPECTROSCOPY;AROMATICS;HYDROCARBONS;ORGANIC ACIDS;ASPHALTS

5048 PARTIAL MOLAL EXPANSIBILITIES FROM THE TEMPERATURE OF MAXIMUM DENSITY OF AQUEOUS SOLUTIONS. Kuppers, J.R. J. Phys. Chem.; 78: 1041-2(1974).
Ambient pressure, 3.98°C, calculated data, empirical equation. PARTIAL MOLAL VOLUME; THERMAL EXPANSION;SODIUM CHLORIDES;POTASSIUM CHLORIDES;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE

5049 PARTIAL MOLAL COMPRESSIBILITIES OF SALTS IN AQUEOUS SOLUTION AND ASSIGNMENT OF IONIC CONTRIBUTIONS. Mathieson, J.G.; Conway, B.E. J. Solution Chem.; 3: 455-77(1974).
Ambient pressure, 25°C, experimental data, 0 to 1 molal, experimental data. COMPRESSIBILITY; SODIUM CHLORIDES;POTASSIUM CHLORIDES; HYDROCHLORIC ACID;VELOCITY;SOUND WAVES;MEDIUM TEMPERATURE

5050 APPARENT MOLAL VOLUMES AND HEAT CAPACITIES OF ALKALINE EARTH CHLORIDES IN WATER AT 25°C. Perron, G.; Desnoyers, J.E.; Millero, F.J. Can. J. Chem.; 52: 3738-41(1974).
0.0125 to 0.33 molal, ambient pressure, 25°C, experimental data. APPARENT MOLAL VOLUME; SPECIFIC HEAT;DENSITY;CALCIUM CHLORIDES;MEDIUM TEMPERATURE;DENSIMETERS

5051 HIGH-PRECISION DIGITAL READOUT FLOW DENSIMETER OF LIQUIDS. Picker, P.; Tremblay, E.; Jolicoeur, C. J. Solution Chem.; 3: 377-84(1974).
DENSIMETERS;PERFORMANCE;LIQUIDS;SOLUTIONS

5052 THERMODYNAMIC PROPERTIES OF ALKALI HALIDES. III. VOLUMES AND HEAT CAPACITIES OF TRANSFER FROM H_2O TO D_2O AT 25°C. Fortier, J.-L.; Philip, P.R.; Desnoyers, J.E. J. Solution Chem.; 3: 523-38(1974).
Amient pressure, 25°C, 0.07 to 0.82 molal solution, tabulated experimental data. THERMODYNAMIC PROPERTIES;SODIUM CHLORIDES; SODIUM FLUORIDES;POTASSIUM FLUORIDES;DENSITY; MEDIUM TEMPERATURE

5053 INFLUENCE OF TEMPERATURE ON DENSITY AND VISCOSITY OF CERTAIN SALT SOLUTIONS. Kononemko, A.F.; Sashevskaya, Z.G. Zh. Prikl. Khim.; 47: 211-12(1974). (In Russian).
Ambient pressure, -20° to 20°C, experimental data. TEMPERATURE DEPENDENCE;DENSITY;VISCOSITY; SALTS;CALCIUM CHLORIDES;SODIUM CHLORIDES;SODIUM CARBONATES;PYCNOMETERS;LOW TEMPERATURE;MEDIUM TEMPERATURE

5054 THEORETICAL PREDICTION OF THE THERMODYNAMIC BEHAVIOR OF AQUEOUS ELECTROLYTES AT HIGH PRESSURES AND TEMPERATURES. II. DEBYE--HUECKEL PARAMETERS FOR ACTIVITY COEFFICIENTS AND RELATIVE PARTIAL MOLAL PROPERTIES. Helgeson, H.C.; Kirkham, D.H. (Dep. Geol. Geophys., Univ. Calif., Berkeley, CA). Am. J. Sci.; 274: No. 10, 1199-261(1974).
0 to 600°C. AQUEOUS SOLUTIONS;ELECTROLYTES; REACTION KINETICS;THERMODYNAMIC PROPERTIES; ENTHALPY;SPECIFIC HEAT;COMPRESSIBILITY; EQUATIONS OF STATE

5055 THEORETICAL PREDICTION OF THE THERMODYNAMIC BEHAVIOR OF AQUEOUS ELECTROLYTES AT HIGH PRESSURES AND TEMPERATURES. I. THERMODYNAMIC/ELECTROSTATIC PROPERTIES OF THE SOLVENT. Helgeson, H.C.; Kirkham, D.H. (Dep. Geol. Geophys., Univ. Calif., Berkeley, CA). Am. J. Sci.; 274: No. 10, 1089-198(1974).
At 0 to 900°C. THERMODYNAMIC PROPERTIES; AQUEOUS SOLUTIONS;ELECTROLYTES;MEDIUM TEMPERATURE;HIGH TEMPERATURE;HIGH PRESSURE; WATER;EQUATIONS;TABLES;DIAGRAMS

5056 ANALYSIS OF THE THERMAL CONDUCTIVITY OF STEAM IN THE HIGH-TEMPERATURE AND HIGH-PRESSURE REGION. Suzuki, M.; Sato, T. (Dept. Mech. Eng. II, Kyoto Univ., Kyoto, Japan). Mem. Fac. Eng., Kyoto Univ.; 36, Pt. 3: 308-32(1974).
STEAM;THERMAL CONDUCTIVITY;HIGH TEMPERATURE; HIGH PRESSURE

5057 ACTIVITY COEFFICIENTS AT HIGH CONCENTRATIONS IN THE HYDROCHLORIC ACID--SODIUM CHLORIDE--WATER SYSTEM. Funk, E.W. (Univ. Tec. Estado, Santiago, Chile). Ind. Eng. Chem., Process Des. Dev.; 13: No. 4, 362-8(1974).
HYDROCHLORIC ACID;SODIUM CHLORIDES;WATER; REACTION KINETICS;EQUATIONS;AQUEOUS SOLUTIONS; EQUILIBRIUM

5058 DEPENDENCE OF THE DISTRIBUTION COEFFICIENT OF NONVOLATILE SUBSTANCES ON THE DENSITY RATIO OF STEAM AND WATER. Tshvirashvili, D.G. (Gruz. Inst. Energ. Gidrotekh. Scoruzh., USSR). Soobshch. Akad. Nauk Gruz. SSR; 74: No. 3, 653-6(1974).
STEAM;WATER;DENSITY;THERMODYNAMIC PROPERTIES; SOLUTIONS;EQUATIONS

5059 CHOICE OF METHODS FOR THE PREDICTION OF THE WATER ACTIVITY AND ACTIVITY COEFFICIENT FOR MULTICOMPONENT AQUEOUS SOLUTIONS. Sangster, J.; Lenzi, F. (Ec. Polytech., Univ. Montreal, Montreal, Quebec). Can. J. Chem. Eng.; 52: No. 3, 392-6(1974).
AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES; MEASURING METHODS

5060 THERMODYNAMICS OF MULTICOMPONENT ELECTROLYTE SOLUTIONS. AQUEOUS MIXTURES OF TWO SALTS FROM AMONG SODIUM CHLORIDE, POTASSIUM CHLORIDE, SODIUM DIHYDROGEN PHOSPHATE, AND POTASSIUM DIHYDROGEN PHOSPHATE AT 25°. Childs, E.W.; Downes, C.J.; Platford, R.F. (Soil Bur., Dep. Sci. Ind. Res., Lower Hutt, N.Z.). J. Solution Chem.; 3: No. 2, 139-47(1974).
AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES; MIXTURES;MEDIUM TEMPERATURE;SODIUM CHLORIDES; POTASSIUM CHLORIDES;SODIUM PHOSPHATES;POTASSIUM PHOSPHATES

5061 EVALUATION OF THE ACTIVITY COEFFICIENT FOR CHLORIDE ION IN A POTASSIUM CHLORIDE SOLUTION. Komar, N.P.; Kaftanov, A.Z. (Khar'k. Gos. Univ. im. Gor'kogo, Kharkov, USSR). Zh. Fiz. Khim.; 48: No. 2, 428-9(1974).
REACTION KINETICS;POTASSIUM CHLORIDES; AQUEOUS SOLUTIONS;CHLORINE COMPOUNDS; HYDROCHLORIC ACID;EQUATIONS

5062 CALCULATION OF THE ACIDITY OF HYDROTHERMAL SOLUTIONS. Dorofeeva, V.A.; Naumov, G.B. (V.I. Vernadskii Inst. Geochem. Anal. Chem., Moscow, USSR). Geokhimiya; No. 7, 987-95(1974).
THERMAL WATERS;PH VALUE;CARBONATES;HIGH TEMPERATURE

5063 EXPERIMENTAL INVESTIGATION OF THE P-V-T RELATION FOR WATER. Grigor'ev, B.A. (M.D. Millienshchikov Pet. Inst., Groznensk, USSR); Murdaev, R.M.; Rastorguev, Yu.L. High Temp. (USSR) (Engl. Transl.); 12: No. 1, 73-9(1974).
WATER;PRESSURE MEASUREMENT;VOLUME; THERMODYNAMIC PROPERTIES;DENSITY;TEMPERATURE MEASUREMENT

5064 THERMAL STABILITY OF DILUTE AQUEOUS SOLUTIONS OF CALCIUM COMPLEXONATE. Martynova, O.I.; Golubev, B.P.; Miklashevskaya, E.P.; Larin, B.M. (Mosk. Energ. Inst., Moscow, USSR). Teploenergetika (Moscow); No. 7, 77-9(1974).
CALCIUM COMPLEXES;AQUEOUS SOLUTIONS; STABILITY;CHEMICAL ANALYSIS;SPECTROSCOPY; ELECTRIC CONDUCTIVITY;TEMPERATURE DEPENDENCE; DECOMPOSITION;SODIUM COMPOUNDS

5065 KINETICS OF THE DISSOLUTION OF BINARY MIXTURES FROM POTASSIUM AND SODIUM CHLORIDES AND SULFATES. Karazhanov, N.A.; Erimbetova, I.D.; Beremzhanov, B.A. (Kaz. Gos. Univ., Alma-Ata, USSR). Zh. Fiz. Khim.; 48: No. 6, 1584-6(1974).
POTASSIUM CHLORIDES;SODIUM CHLORIDES; POTASSIUM SULFATES;SODIUM SULFATES;DISSOLUTION; VISCOSITY;WATER;MEDIUM TEMPERATURE

5066 WATER ACTIVITY DATA REPRESENTATION OF AQUEOUS SOLUTIONS OF 25°. Teng, T.-T.; Lenzi, F. (Ec. Polytech., Univ. Montreal, Montreal, Quebec). Can. J. Chem. Eng.; 52: No. 3, 387-91(1974).
AQUEOUS SOLUTIONS;ELECTROLYTES;THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE

5067 SOLUBILITY OF CARBON DIOXIDE IN AQUEOUS-SALINE SOLUTIONS UNDER PRESSURE. Makarov, A.V.; Kapyrina, Yu.D.; Fokeev, V.M. (Mosk. Geologorazved. Inst. im. Ordzhonikidze, Moscow, USSR). Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; 17: No. 4, 90-2(1974).
CARBON DIOXIDE;SOLUBILITY;AQUEOUS SOLUTIONS; SODIUM CHLORIDES;MEDIUM TEMPERATURE;EQUILIBRIUM; SOLVENT PROPERTIES

5068 SOLUBILITY IN THE FIVE-COMPONENT SODIUM CHLORIDE--POTASSIUM CHLORIDE--BARIUM CHLORIDE--CALCIUM CHLORIDE--WATER SYSTEM AT 75°. Mozharova, T.V.; Borovaya, V.A.; Pavlyuchenko, E.N. Zh. Prikl. Khim.; 47: No. 10, 2200-5(1974).
CALCIUM CHLORIDES;SOLUBILITY;POTASSIUM CHLORIDES;WATER;BARIUM CHLORIDES; CRYSTALLIZATION;MEDIUM TEMPERATURE

5069 ACTIVITY OF A SOLVENT IN ELECTROLYTE SOLUTIONS. Taniewska-Osinska, S.; Logwinienko, R. (Lodz Univ., Lodz, Poland). Zh. Obshch. Khim.; 44: No. 8, 1667-8(1974).
SOLUTION HEAT;ELECTROLYTES;WATER;SODIUM CHLORIDES;REACTION KINETICS;THERMODYNAMIC PROPERTIES

5070 PHASE EQUILIBRIUMS AND THERMODYNAMIC CHARACTERISTICS OF SOLUTIONS IN THE SODIUM CHLORIDE--WATER AND SODIUM HYDROXIDE--WATER SYSTEMS. Urusova, M.A. (Inst. Gen. Inorg. Chem., Moscow, USSR). Geokhimiya; No. 9, 1360-6(1974).
SODIUM CHLORIDES;SODIUM HYDROXIDES;WATER; VAPOR PRESSURE;AQUEOUS SOLUTIONS;PARTIAL MOLAL VOLUME;EQUILIBRIUM;PHASE STUDIES;THERMODYNAMIC PROPERTIES

5071 CALCULATION OF ACTIVITY COEFFICIENTS IN MIXED AQUEOUS SODIUM CHLORIDE--POTASSIUM CHLORIDE SOLUTIONS. Shukan, M.Ya. Zh. Fiz. Khim.; 48: No. 11, 2883(1974).
SODIUM CHLORIDES;POTASSIUM CHLORIDES;AQUEOUS SOLUTIONS;REACTION KINETICS;EQUILIBRIUM; HYDRATES;MIXTURES

5072 WATER STRUCTURE AND THERMODYNAMICS OF AQUEOUS SOLUTIONS. Takeguchi, N. (Fac. Pharm. Sci., Toyama Univ., Toyama, Japan). Kagaku No Ryoiki, Zokan; 106: 111-33(1974).
AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES; REVIEWS;BIBLIOGRAPHIES;WATER

5073 HYDROTHERMAL PROBLEMS. Naboko, S.I. Byull. Vulkanol. Stn., Akad. Nauk SSSR; 50: 112-18(1974).
Effect of volcanic activity on composition and temperature of water. VOLCANISM;THERMAL WATERS;THERMAL SPRINGS;GEOLOGIC STRATA; HYDROLOGY;HYDROTHERMAL SYSTEMS;ROCK-FLUID INTERACTIONS

5074 LIQUID-VAPOR EQUILIBRIUM OF AQUEOUS SODIUM CHLORIDE, FROM 298 TO 373°K AND FROM 1 TO 6 MOL KG^{-1}, AND RELATED PROPERTIES. Gibbard, H.F. Jr.; Scatchard, G.; Rousseau, R.A.; Creek, J.L. (Dep. Chem. Biochem., Southern Illinois Univ., Carbondale, IL). J. Chem. Eng. Data; 19: No. 3, 281-8(1974).
AQUEOUS SOLUTIONS;SODIUM CHLORIDES;MEDIUM TEMPERATURE;PHASE STUDIES;EQUILIBRIUM;VAPOR PRESSURE;SPECIFIC HEAT;THERMODYNAMIC PROPERTIES

5075 ELECTRONIC COMPUTER CALCULATION OF ACTIVITY COEFFICIENTS OF AQUEOUS SOLUTION COMPONENTS IN THE 25-300° REGION WITH 0-3M SODIUM CHLORIDE. Karpov, I.K.; Kaz'min, L.A.; Khaliullina, O.A. (Inst. Geokhim., Irkutsk, USSR). Ezheg., Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR; 1973: 279-83(1974).
EQUATIONS;AQUEOUS SOLUTIONS;SODIUM CHLORIDES; REACTION KINETICS;MINERALS;SYNTHESIS;A CODES; ALGORITHMS

5076 INFLUENCE OF COMPOSITION AND CONCENTRATION OF SALT AND VOLATILE COMPONENTS ON CORRELATIONS OF THERMODYNAMIC PARAMETERS OF SOME WATER SOLUTIONS. Khetchikov, L.N.; Samoilovich, L.A. pp 68-71 of Gidroterm. mineraloobraz. rastvory obl. akt. vulkanizma. Naboko, S.I. (ed.). Novosibirsk; "Nauka", Sib. Otd. (1974).
AQUEOUS SOLUTIONS;BRINES;SODIUM CHLORIDES; HYDROTHERMAL SYSTEMS;THERMODYNAMIC PROPERTIES; SULFATES;CHLORIDES;CARBON DIOXIDE;CHEMICAL COMPOSITION;ABUNDANCE;SIMULATION

5077 BIBLIOGRAPHY OF STUDIES ON THE DENSITY AND OTHER VOLUMETRIC PROPERTIES FOR MAJOR COMPONENTS IN GEOTHERMAL WATERS 1928-1974. Potter, R.W., II; Shaw, D.R.; Haas, J.L., Jr. Open-file report 75-147. Menlo Park, CA; United States of America (USA); US Dept. Interior, Geological Survey (1975). 78p.
Annotated listing of 230 references. BIBLIOGRAPHIES;THERMODYNAMIC PROPERTIES; GEOTHERMAL FLUIDS;PARTIAL MOLAL VOLUME;DENSITY

5078 ENTHALPY OF DILUTION OF AQUEOUS SODIUM CHLORIDE AT 298.15 TO 373.15°K, MEASURED WITH A FLOW CALORIMETER. Messikomer, E.E.; Wood, R.H. (Dep. Chem., Univ. Delaware, Newark, DE). J. Chem. Thermodyn.; 7: No. 2, 119-30(1975).
SODIUM CHLORIDES;ENTHALPY;AQUEOUS SOLUTIONS; DILUTION;CALORIMETERS;SPECIFIC HEAT;MEDIUM TEMPERATURE

5079 THERMODYNAMICS OF MIXED ELECTROLYTE SOLUTIONS. COMPARISON OF HYDROGEN CHLORIDE + AMMONIUM CHLORIDE + WATER AND HYDROGEN CHLORIDE + POTASSIUM CHLORIDE + WATER. Downes, C.J. (Dep. Chem., Univ. Otago, Dunedin, N.Z.). JCFTA; 71: No. 3, 425-34(1975).
ELECTROLYTES;THERMODYNAMIC PROPERTIES; HYDROCHLORIC ACID;POTASSIUM CHLORIDES;WATER; AMMONIUM CHLORIDES;AQUEOUS SOLUTIONS;MIXTURES

5080 CALCULATION OF THE THERMODYNAMIC PROPERTIES OF AQUEOUS SILICA AND THE SOLUBILITY OF QUARTZ AND ITS POLYMORPHS AT HIGH PRESSURES AND TEMPERATURES. Walther, J.V.; Helgeson, H.C. (Univ. of California, Berkeley). pp 1311-1312 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
To 5 kb and 600°C. SILICON OXIDES; THERMODYNAMIC PROPERTIES;QUARTZ;SOLUBILITY; PARTIAL MOLAL VOLUME;AQUEOUS SOLUTIONS;HIGH TEMPERATURE;HIGH PRESSURE;SPECIFIC HEAT

5081 THERMODYNAMICS OF SUPERCRITICAL BRINES: SOME NEW EXPERIMENTAL TECHNIQUES. Wood, J.R. (Johns Hopkins Univ., Baltimore); Chou, I.M.; Gunter, W. (Univ. of California, Berkeley). pp 1321 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
Activity and osmotic coefficients. BRINES; THERMODYNAMIC PROPERTIES;AQUEOUS SOLUTIONS; SODIUM CHLORIDES;POTASSIUM CHLORIDES; HYDROCHLORIC ACID;WATER;VERY HIGH TEMPERATURE

5082 MAXIMUM EQUIVALENT ELECTRIC CONDUCTIVITY OF AQUEOUS SOLUTIONS OF LITHIUM(1+), SODIUM(1+), POTASSIUM(1+), RUBIDIUM(1+), CESIUM(1+), AND CHLORIDE(1-) IONS IN WATER AT 5-200°. II. RELATION OF THE MAXIMUM ELECTRIC CONDUCTIVITY OF THE IONS WITH THE VISCOSITY OF THE WATER. Smolyakov, B.S.; Veselova, G.A. (Inst. Neorg. Khim., Novosibirsk, USSR). Elektrokhimiya; 11: No. 5, 700-4(1975).
AQUEOUS SOLUTIONS;VISCOSITY;ELECTRIC CONDUCTIVITY;LITHIUM COMPOUNDS;SODIUM COMPOUNDS; POTASSIUM COMPOUNDS;CESIUM COMPOUNDS;RUBIDIUM; CHLORINE COMPOUNDS;ANIONS;CATIONS;WATER

5083 HEAT CAPACITIES AND HEAT OF DILUTION OF AQUEOUS SOLUTIONS OF SODIUM AND POTASSIUM CHLORIDES AT 300°. Borodenko, V.I.; Galinker, I.S. (Khar'k. S-kh. Inst., Kharkov, USSR).

Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.; 18: No. 4, 591-4(1975).
SODIUM CHLORIDES;POTASSIUM CHLORIDES; SPECIFIC HEAT;MIXING HEAT;DILUTION;AQUEOUS SOLUTIONS

5084 ELECTRIC CONDUCTIVITY AND DIELECTRIC CONSTANT OF SUPERHEATED STEAM. Lukashov, Yu.M.; Golubev, B.P.; Ripol-Saragosi, F.B. (Rostov. Inzh.-Stroit. Inst., Rostov, USSR). Teploenergetika (Moscow); No. 6, 79-82(1975).
Steam--NaCl solution. STEAM;SODIUM CHLORIDES; SOLUTIONS;ELECTRIC CONDUCTIVITY;DIELECTRIC PROPERTIES

5085 CALCULATION OF THE SOLUBILITY OF SALTS IN THE QUINARY SYSTEM SODIUM CHLORIDE--POTASSIUM CHLORIDE--MAGNESIUM CHLORIDE--CALCIUM CHLORIDE--WATER SATURATED WITH SODIUM CHLORIDE. II. Motoyama, M.; Kadota, M.; Oka, S. (Toyo Univ., Kawagoe, Japan). Nippon Kaisui Gakkaishi; 28: No. 155, 347-52(1975).
SOLUBILITY;SALTS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;MAGNESIUM CHLORIDES;CALCIUM CHLORIDES; WATER

5086 EFFECT OF DENSITY ON THE ELECTRICAL CONDUCTANCE OF AQUEOUS SODIUM CHLORIDE SOLUTIONS. Bannard, J.E. (Dep. Metall. Mater. Sci., Univ. Nottingham, England). J. Appl. Electrochem.; 5: No. 1, 43-53(1975).
SODIUM CHLORIDES;AQUEOUS SOLUTIONS;DENSITY; ELECTRIC CONDUCTIVITY

5087 VELOCITY OF SOUND IN ELECTROLYTE SOLUTIONS. Chede, G.; Brochet, C.; Guillaume, I.; Valensi, G. (Lab. Thermodyn. Chim. Electrochim., Poitiers, Fr.). C. R. Hebd. Seances Acad. Sci., Ser. C; 280: No. 20, 1235-8(1975).
ELECTROLYTES;SOUND WAVES;VELOCITY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;POTASSIUM CHLORIDES; SODIUM HYDROXIDES;POTASSIUM HYDROXIDES;SODIUM BROMIDES;POTASSIUM BROMIDES;SOLVENTS; COMPRESSIBILITY;TEMPERATURE DEPENDENCE

5088 CALCULATION OF THE THERMAL CONDUCTIVITY OF CONCENTRATED LIQUID ELECTROLYTE SOLUTIONS. Dul'nev, G.N.; Zarichnyak, Yu.P.; Khankova, N.A. (Leningr. Inst. Tochnoi Mekh. Opt., Leningrad, USSR). Teor. Osn. Khim. Tekhnol.; 9: No. 3, 463-6(1975).
ELECTROLYTES;AQUEOUS SOLUTIONS;THERMAL CONDUCTIVITY

5089 HEAT CAPACITY OF SOLUTIONS OF ELECTROLYTES AND THEIR MIXTURES. IV. CALCULATION OF THE HEAT CAPACITY OF WATER-SALT SYSTEMS IN A WIDE TEMPERATURE RANGE. Chernen'kaya, E.I.; Bratash, E.G. Zh. Prikl. Khim.; 48: No. 8, 1846-9(1975).
WATER;AQUEOUS SOLUTIONS;SPECIFIC HEAT;SALTS; TEMPERATURE DEPENDENCE;ELECTROLYTES

5090 DENSITY OF SODIUM CHLORIDE SOLUTIONS IN THE 25-350° RANGE AND PRESSURE UP TO 1000 KG FORCE/CM². Zarembo, V.I.; Fedorov, M.K. (Leninr. Tekhnol. Inst. im. Lensoveta, Leningrad, USSR). Zh. Prikl. Khim.; 48: No. 9, 1949-53(1975).
SODIUM CHLORIDES;AQUEOUS SOLUTIONS;DENSITY; MEDIUM TEMPERATURE;HIGH TEMPERATURE;VERY HIGH TEMPERATURE;EQUATIONS;HIGH PRESSURE

5091 APPARENT MOLAL COMPRESSIBILITY OF SODIUM CHLORIDE IN WATER. Sakurai, M.; Nakajima, T.; Komatsu, T.; Nakagawa, T. (Fac. Sci., Hokkaido Univ., Sapporo, Japan). Chem. Lett. (Tokyo); No. 9, 971-6(1975).
At 5°, 25°, and 45°. APPARENT MOLAL VOLUME; SODIUM CHLORIDES;WATER;COMPRESSIBILITY; EQUATIONS;ADIABATIC PROCESSES

5092 DENSITY OF AQUEOUS SODIUM AND POTASSIUM CHLORIDE--CHLORATE SOLUTIONS. Vogt, H. (Fachbereich Verfahrenstech., Tech. Fachhochsch., Berlin, Germany). Chem. Age India; 26: No. 7, 540-4(1975).
SODIUM CHLORIDES;SODIUM COMPOUNDS;CHLORATES; POTASSIUM COMPOUNDS;POTASSIUM CHLORIDES;DENSITY; EQUATIONS;SOLUBILITY;WATER;SOLUTIONS;AQUEOUS SOLUTIONS

5093 SODIUM(1+), MAGNESIUM(2+), CALCIUM(2+) PARALLEL CHLORIDE(1-) SULFATE(2-)-WATER QUINARY RECIPROCAL SYSTEM AT 75°. Ryspaev, O.; Batyrchaev, I.G.; Druzhinin, I.G. Zh. Prikl. Khim.; 48: No. 9, 1957-60(1975).
BRINES;SODIUM COMPOUNDS;MAGNESIUM COMPOUNDS; CALCIUM COMPOUNDS;MINERALS;PHASE STUDIES; SULFATES;MEDIUM TEMPERATURE;PRECIPITATION;PHASE STUDIES;WATER;AQUEOUS SOLUTIONS;CHLORIDES; ANIONS;CATIONS

5094 WATER AND ITS SOLUTIONS AT HIGH TEMPERATURES AND PRESSURES. Marshall, W.L. (Oak Ridge National Lab., TN). Chemistry; 48: 6-12(Feb 1975).
WATER;AQUEOUS SOLUTIONS;CHEMICAL PROPERTIES; PHYSICAL PROPERTIES;PRESSURE DEPENDENCE; TEMPERATURE DEPENDENCE;SALTS;SOLUBILITY; ELECTRIC CONDUCTIVITY;GEOCHEMISTRY;GEOTHERMAL ENERGY

5095 CALCULATING THE SPECIFIC ELECTRICAL RESISTANCE OF GROUND WATERS. Selivanov, V.A. (Proektnyi Inst. Sevkavgiprovodkhoza). Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 3, 142-8(Mar 1975). (In Russian).
GROUND WATER;ELECTRICAL SURVEYS;CHLORIDES; SULFATES;ANIONS;CARBONATES;ELECTRIC CONDUCTIVITY

Properties of Minerals and Rocks

Refer also to citation(s) 1241, 1986, 2101, 2661, 2761, 2809, 3279, 4228, 4732, 5430

5096 (BM-RI--7962) IN SITU DETERMINATION OF ROCK BEHAVIOR BY OVERCORE STRESS RELIEF METHOD, PHYSICAL PROPERTY MEASUREMENTS, AND INITIAL DEFORMATION METHOD. Skinner, E.H.; Waddell, G.G.; Conway, J.P. (Bureau of Mines, Spokane, Wash. (USA). Spokane Mining Research Center). 1974. 87p. Bureau of Mines, Washinton, DC.
ROCKS;PHYSICAL PROPERTIES;BOREHOLES;STRESSES; DEFORMATION;HEAT FLOW;TEMPERATURE MEASUREMENT; GEOLOGY

5097 (UCID--3711) PROGRAM OF GEOSCIENCE RESEARCH. (California Univ., Berkeley (USA). Lawrence Berkeley Lab.). Feb 1975. 45p. Dep. NTIS $5.00.
ENERGY CONSERVATION;RESEARCH PROGRAMS; GEOLOGY;GEOPHYSICS;ENVIRONMENT;ENVIRONMENTAL EFFECTS;GEOLOGIC STRUCTURES;LAWRENCE BERKELEY LABORATORY;US ERDA;RADIOACTIVITY;GEOTHERMAL RESOURCES;SEISMIC SURVEYS;PETROLEUM;COAL; GEOCHEMISTRY;TEMPERATURE GRADIENTS

5098 THERMAL CONDUCTIVITIES OF ROCKS. Nancarrow, H.A. Proc. Phys. Soc. (London); 45: 447-61(1 May 1933).
ROCKS;THERMAL CONDUCTIVITY;BESSEL FUNCTIONS; TEMPERATURE GRADIENTS;TEMPERATURE DISTRIBUTION

5099 HEAT CONDUCTIVITY OF SIMPLE CUBICAL CRYSTALS. Blackman, M. Philos. Mag.; 19: 989-998(1935).
Alkali halides. HALIDES;ALKALI METAL COMPOUNDS;THERMAL CONDUCTIVITY;CRYSTALS

5100 DETERMINATION OF THE THERMAL PROPERTIES OF MINERALS BY THE METHOD OF CONTROLLED CONDITIONS. Glebovskaia, V.S. Vses. Nauchno-Issled. Geol. Inst. Mater., Geofiz.; No. 12, 72-89(1948).
MINERALS;THERMAL CONDUCTIVITY;MEASURING METHODS;ACCURACY;ERRORS;SPECIFIC HEAT

5101 METHOD FOR MEASURING THE THERMAL CONDUCTIVITY OF SMALL SAMPLES OF POORLY CONDUCTING MATERIALS SUCH AS OPTICAL CRYSTALS. Ballard, S.S.; McCarthy, K.A.; Davis, W.C. Rev. Sci. Instrum.; 21: 905-7(1950).
SODIUM CHLORIDES;POTASSIUM CHLORIDES; POTASSIUM BROMIDES;CALCIUM FLUORIDES;LITHIUM FLUORIDES;SILVER CHLORIDES;THALLIUM BROMIDES; SILICON OXIDES;THERMAL CONDUCTIVITY;MEASURING METHODS;DIELECTRIC MATERIALS

5102 THERMAL CONSTANTS OF PYROPHYLLITE AND THEIR CHANGE ON HEATING. Carte, A.E. Br. J. Appl. Phys.; 6: No. 9, 326-8(1955).
CLAYS;ROCKS;THERMAL CONDUCTIVITY;THERMAL DIFFUSIVITY;SPECIFIC HEAT;HEATING;VERY HIGH TEMPERATURE;TEMPERATURE DEPENDENCE;PYROPHYLLITE

5103 INVESTIGATION OF ELECTRIC RESISTANCE ON SAMPLES OF ROCKS UNDER CONDITIONS OF 1000 KG/CM^2 PRESSURE FROM ALL SIDES. Volarovich, M.P.; Bondarenko, A.T. Izv. Akad Nauk SSSR, Ser. Geofiz.; 24: No. 7, 946-53(Jul 1960).
ROCKS;ELECTRIC CONDUCTIVITY;PRESSURE DEPENDENCE;DATA

5104 STUDIES OF THERMAL STATE OF EARTH - 15. Kawada, K. Tokyo Daigaku Jishin Kenkyusho Iho; 42, Pt. 4: 631-47(Dec 1964).
100 to 600°C. ROCKS;MINERALS;THERMAL CONDUCTIVITY;GEOLOGIC FAULTS;TEMPERATURE DISTRIBUTION;BASALT;HORNBLENDE;LIMESTONE; TEMPERATURE GRADIENTS;TEMPERATURE DEPENDENCE

5105 SOME DATA ON THERMOPHYSICAL PROPERTIES OF ROCKS FORMING SEQUENCES IN OIL AND NATURAL GAS FIELDS IN NORTHERN SAKHALIN. Sukharev, G.M.; Bartsev, O.B. Dokl. Akad. Nauk SSSR; 162: No. 1, 164-5(1965).
USSR;ROCKS;THERMAL CONDUCTIVITY;SPECIFIC HEAT;THERMODYNAMIC PROPERTIES

5106 THERMAL PROPERTIES OF AMPHIBOLES AS A FUNCTION OF ALKALI CONTENT. Korzhinskii, A.J. Dokl. Akad. Nauk SSSR; 3: 445-7(1965). (English translation).
AMPHIBOLE;THERMODYNAMIC PROPERTIES;OPTICAL PYROMETERS;WATER;PH VALUE;ZEOLITES

5107 THERMAL FRAGMENTATION OF ROCK. Marovelli, R.L. Trans. Soc. Min. Engrs.; 235: 1-15(Mar 1966).
MECHANICAL PROPERTIES;ROCKS;THERMAL STRESSES; THERMAL SHOCK;PHYSICAL PROPERTIES;FRACTURE PROPERTIES;TESTING;HEAT TRANSFER;SPATIAL DISTRIBUTION;MATHEMATICAL MODELS;YOUNG MODULUS; TENSILE PROPERTIES;THERMAL DIFFUSIVITY;THERMAL CONDUCTIVITY;DIAGRAMS

5108 THERMAL TRANSFORMATIONS OF STILBITE. Aumento, F. Can. J. Earth Sci.; 3: No. 3, 351-66(Jun 1966).
ZEOLITES;PHASE TRANSFORMATIONS;TEMPERATURE DEPENDENCE;PHASE STUDIES;PHASE STABILITY

5109 STUDIES OF THERMAL STATE OF EARTH - 17. Kawada, K. Tokyo Daigaku Jishin Kenkyusho Iho; 44, Pt. 3: 1071-91(Sep 1966).
EARTH CRUST;THERMAL CONDUCTIVITY;QUARTZ; MINERALS;SILICON OXIDES;ROCKS

5110 SUPERSATURATION OF LIQUIDS INCLUDED IN FLUORINE CRYSTALS. Yajima, J.; Touray, J.C. C. R. Hebd. Seances Acad. Sci., Ser. D; 264: No. 9, 1129-32(1967).
FLUORITE;INCLUSIONS;MOROCCO;MINES;SODIUM CHLORIDES;GASES;SALINITY;CRYSTALLIZATION; CRYSTAL DEFECTS;GEOMORPHOLOGY

5111 PROCEDURE FOR INVESTIGATING THE DEPENDENCE OF THE THERMAL PARAMETERS OF ROCKS ON TEMPERATURE. Sakvarelidze, Ye.A. Soobshch. Akad. Nauk Gruz. SSR; 51: No. 1, 69-73(1968).
ROCKS;THERMAL CONDUCTIVITY;SPECIFIC HEAT; TEMPERATURE DEPENDENCE;HIGH TEMPERATURE;MEDIUM TEMPERATURE

5112 THERMODYNAMIC PROPERTIES OF MINERALS AND RELATED SUBSTANCES AT 298.15°K (25.0°C) AND ONE ATMOSPHERE (1.013 BARS) PRESSURE AND AT HIGHER TEMPERATURES. Robie, R.A.; Waldbaum, D.R. U. S. Geol. Surv., Bull. 1259. Washington, D.C.; United States of America (USA); U. S. Geol. Surv. (1968). 256p.
MINERALS;THERMODYNAMIC PROPERTIES;ENTROPY; FORMATION HEAT;ELEMENTS;FREE ENERGY;SPECIFIC HEAT;MELTING POINTS;BOILING POINTS;MEDIUM TEMPERATURE;HIGH TEMPERATURE;PHASE TRANSFORMATIONS;MEDIUM PRESSURE

5113 THERMODYNAMIC CONDITIONS OF MELTING OF SILICATES AT HIGH WATER PRESSURES. Kadik, A.A.; Khitarov, N.I. Geokhimiya; No. 5, 523-35(1969). (English summary).
SILICATES;WATER;MELTING;PRESSURE DEPENDENCE; PHASE TRANSFORMATIONS;THERMODYNAMICS

5114 DEPENDENCE OF PROPERTIES OF CLAY SUSPENSIONS ON THE MINERALOGICAL TYPE OF CLAY SOIL. Kazda, J. Sb. Vys. Uceni Tech. Brne; No. 3-4, 299-312(1969).
CLAYS;MINERALOGY;SUSPENSIONS;KAOLIN;ILLITE; MONTMORILLONITE;WATER;PHYSICAL PROPERTIES

5115 LINEAR SYSTEM DESCRIPTION OF THE ELECTRICAL PARAMETERS OF ROCKS. Fuller, B.D.; Ward, S.H. IEEE Trans. Geosci. Electron.; GE-8: No. 1, 7-18(1970).
ROCKS;ELECTRICAL PROPERTIES;ELECTRIC CONDUCTIVITY

5116 ELECTRON-CONDUCTING ROCKS AND THEIR SIGNIFICANCE IN GEOLOGY AND GEOPHYSICS. Semenov, A.S. Leningrad. Univ. Uchenyye Zap. Vop. Geof.; No. 356(20), 152-5(1970).
ROCKS;MINERALS;ELECTRIC CONDUCTIVITY;GEOLOGY; GEOPHYSICS;MAPS;METAMORPHIC ROCKS;ORIGIN;EARTH CRUST

5117 INVESTIGATIONS ON THE THERMAL AND ELECTRICAL BEHAVIOR OF ROCKS. Froelich, F.; Vollstadt, H.; von Faber, J. Geophys. Geol. (Leipzig); No. 15, 61-6(1970).
ROCKS;THERMAL CONDUCTIVITY;THERMAL EXPANSION; ELECTRICAL PROPERTIES;MEASURING METHODS

5118 EMPIRICAL RELATIONSHIP BETWEEN THERMAL CONDUCTIVITY AND DEBYE TEMPERATURE FOR SILICATES. Horai, K.-i.; Simmons, G. J. Geophys. Res.; 75: No. 5, 978-82(1970).
SILICATES;THERMAL CONDUCTIVITY;DEBYE TEMPERATURE;CORRELATIONS

5119 THERMAL PROPERTIES OF SOME MAGMATIC ROCKS. Chmura, K. (Politech. Slaska, Gliwice, Pol.). Przegl. Geol.; 19: No. 1, 15-18(1971). (In Polish).
IGNEOUS ROCKS;THERMAL CONDUCTIVITY; THERMODYNAMIC PROPERTIES;SPECIFIC HEAT;THERMAL DIFFUSIVITY;QUARTZ;BASALT;GRANITES

5120 CLINOPTILOLITE FROM JAPAN. Minato, H.; Utada, M. (Coll. Gen. Educ., Univ. Tokyo, Tokyo, Japan). Adv. Chem. Ser.; 101(Molecular Sieve Zeolites-I): 311-16(1971). (In English).
JAPAN;ZEOLITES;CLINOPTILOLITE;CALCIUM;SODIUM; POTASSIUM;NATURAL OCCURRENCE;CHEMICAL ANALYSIS

5121 GRAPHICAL ANALYSIS OF ZEOLITE MINERAL ASSEMBLAGES FROM THE BAY OF FUNDY AREA, NOVA SCOTIA. Carpenter, A.B. (Dep. Geol., Univ. Missouri, Columbia, Mo.). Adv. Chem. Ser.; 101(Molecular Sieve Zeolites-I): 328-33(1971). (In English).
ZEOLITES;QUARTZ;SYNTHESIS;BAY OF FUNDY;NOVA SCOTIA;NATURAL OCCURRENCE

5122 COMPOSITION AND ORIGIN OF CLINOPTILOLITE IN THE NAKANOSAWA TUFF OF RUMOI, HOKKAIDO. Iijima, A. (Geol. Inst., Univ. Tokyo, Tokyo, Japan). Adv. Chem. Ser.; 101(Molecular Sieve Zeolites-I): 334-41(1971). (In English).
JAPAN;CLINOPTILOLITE;ORIGIN;CHEMICAL COMPOSITION;TUFF;POTASSIUM;SODIUM;CALCIUM; SILICON;QUANTITY RATIO;CRYSTALS;DIAGENESIS; GLASS

5123 CHLORITES FROM MIDDLE PALEOZOIC BAUXITES OF THE TURKESTAN-ALAI TERRITORY. Gutkin, E.S.; Abdullaev, A.U. (Inst. Geol., Frunze, USSR). Uzb. Geol. Zh.; 15: No. 1, 83-6(1971). (In Russian).
CHLORITE MINERALS;ORES;ALUMINIUM;IRON; CHEMICAL COMPOSITION;OPTICAL PROPERTIES; THERMODYNAMIC PROPERTIES

5124 EXPERIMENTAL DETERMINATION OF THERMAL CONDUCTIVITY IN ROCK SAMPLES. Ramos, R.R. (Inst. Mex. Pet., Mex.). Rev. Inst. Mex. Petrol.; 3: No. 1, 27-34(1971). (In Spanish).
ROCKS;THERMAL CONDUCTIVITY;MEASURING INSTRUMENTS;TEMPERATURE CONTROL;STAINLESS STEELS;SAND;CONCRETES

5125 THERMAL CONDUCTIVITY OF ROCK-FORMING MINERALS. Horai, K.-I. J. Geophys. Res.; 76: No. 5, 1278-308(1971).
MINERALS;ROCKS;THERMAL CONDUCTIVITY; MEASURING METHODS;DENSITY;CHEMICAL COMPOSITION; CRYSTAL STRUCTURE;SILICATES

5126 STABILITY FIELD OF HEDENBERGITE ON THE LOG P/SUB O_2/ (PARTIAL PRESSURE OF OXYGEN)-T (TEMPERATURE) DIAGRAM. Kurshakova, L.D. (Inst. Phys. Solid Body, Chernogolovka, USSR). Geokhimiya; No. 5, 551-61(1971).
PYROXENES;QUARTZ;EQUILIBRIUM;STABILITY;HIGH TEMPERATURE;IRON OXIDES;VERY HIGH PRESSURE; OXYGEN;ANDRADITE;PHASE STUDIES

5127 STUDY OF ROCKS AND MINERALS BY PHYSICAL AND CHEMICAL METHODS. Vasil'ev, E.K.; Sizykh, Yu.I.; Chernenko, A.I. Inform. Sb., Inst. Zemnoi Kory, Sib. Otd., Akad. Nauk SSSR 1966-1970; No. 2, 205-13(1971).
ROCKS;MINERALS;REVIEWS;PETROLOGY;CHEMICAL ANALYSIS;EMISSION SPECTROSCOPY;X-RAY SPECTROSCOPY;AGE ESTIMATION;PHYSICAL PROPERTIES; CHEMICAL PROPERTIES

5128 THERMODYNAMIC PROPERTIES OF CALCIUM SILICATES AND ALUMINATES AND OF SOME OTHER COMPOUNDS. Kireev, V.A. Sb. Tr., Mosk. Inzh.-Stroitel. Inst.; No. 69, 3-18(1971).
CALCIUM SILICATES;THERMODYNAMIC PROPERTIES; ALUMINATES;HYDROXIDES;CARBONATES;ENTHALPY; ENTROPY;OXIDES;MAGNESIUM COMPOUNDS;IRON COMPOUNDS;CALCIUM COMPOUNDS;SILICATES;FREE ENTHALPY;PHASE TRANSFORMATIONS

5129 THERMAL ANALYSIS STUDIES OF ZEOLITES OF THE MIDDLE EOCENE VOLCANIC BEDS IN GEORGIAN SSR. Batiashvili, T.V. Tr. Geol. Inst., Akad. Nauk Gruz. SSR No. 29. Union of Soviet Socialist Republics (USSR); (1972). 80p.
ZEOLITES;VOLCANIC ROCKS;ANDESITES;BASALT; TUFF;LAVA;THERMAL ANALYSIS

5130 STABILITY OF STEVENSITE UNDER HYDROTHERMAL CONDITIONS. Otsuka, R.; Imai, N.; Sakamoto, T. (Sch. Sci. Eng., Waseda Univ., Tokyo, Japan). Mem. Sch. Sci. Eng., Waseda Univ.; No. 36, 37-56(1972).
MAGNESIUM COMPOUNDS;MONTMORILLONITE; STABILITY;PHASE STUDIES;MAGNESIUM SILICATES; TALC

5131 MACROKINETICS OF THE THERMAL DISSOCIATION OF CALCITE. Komlev, G.A.; Abramova, G.E. Sb. Nauch. Tr., Ivanov. Energ. Inst.; No. 14, 22-9(1972).
CALCITE;ICELAND;PYROLYSIS;CRYSTALS;REACTION KINETICS;TEMPERATURE EFFECTS

5132 DEPENDENCE OF EQUILIBRIUM IN THE SYSTEM POTASSIUM OXIDE--ALUMINIUM OXIDE--SILICA--AQUEOUS SOLUTION ON TEMPERATURE, PRESSURE, AND ACTIVITY OF POTASSIUM AND HYDROGEN IONS. Ivanov, I.P.; Zharikov, V.A. pp 153-61 of Magmat., form. krist. porod glubiny zemli, tr. vses. petrogr. soveshch., 4th, 1969. Volume 1. Simon, A.K. (ed.). Moscow; ''Nauka'' (1972).
EQUILIBRIUM;POTASSIUM OXIDES;ALUMINIUM OXIDES;SILICON OXIDES;AQUEOUS SOLUTIONS; REACTION KINETICS;HIGH TEMPERATURE

5133 THERMODYNAMIC ANALYSIS OF FACTORS LEADING TO THE FORMATION OF MINERALS OF HYDROTHERMAL DEPOSITS. Naumov, G.B.; Khodakovskii, I.L. (V.I. Vernadskii Inst. Geochem. Anal. Chem., Moscow). Geokhimiya; No. 12, 1561-8(1972).
GEOLOGIC DEPOSITS;HYDROTHERMAL SYNTHESIS; THERMODYNAMICS;MINERALS

5134 EQUILIBRIUM RELATIONS IN THE SYSTEM CONTAINING SILICA, ALUMINA, AND FERRIC GELS.

Lopez Eyzaguirre, C. Rev. Soc. Venez. Quim.; 8: No. 2-3, 133-9(1972).
IRON OXIDES;SILICON OXIDES;ALUMINIUM OXIDES; EQUILIBRIUM;STABILITY;PHASE STUDIES;GIBBSITE; SYNTHESIS;CHEMICAL REACTIONS

5135 BASIC INFORMATION ON THE SUBSOLIDUS STRUCTURE OF THE SYSTEM $90-AL_2O_3-SIO_2$. Berezhnoi, A.S. (Khar'kov Physicotech. Inst., Acad. Sci., Ukrainian SSR). Inorg. Mater. (USSR) (Engl. Transl.); 9: No. 11, 1753-7(1973).
SODIUM OXIDES;POTASSIUM OXIDES;CALCIUM OXIDES;MAGNESIUM OXIDES;ALUMINIUM OXIDES; SILICON OXIDES;CRYSTAL STRUCTURE;PHASE STUDIES; VERY HIGH TEMPERATURE

5136 THERMAL CONDUCTIVITY OF ROCKS, ITS MEASUREMENT AND ROLE IN HEAT FLOW INVESTIGATION. Cermak, V. (Geofy. Ustav, Cesk. Akad. Ved., Prague, Czech.). Miner. Slovaca; 5: No. 4, 507-13(1973).
THERMAL CONDUCTIVITY;ROCKS;HEAT FLOW; SANDSTONES;LIMESTONE;CLAYS;SILT

5137 THERMODYNAMIC PROPERTIES OF THE MASSON POLYMERIZATION MODEL OF LIQUID SILICATES. Gaskell, D.R. (Sch. Metall. Mater. Sci., Univ. Pennsylvania, Philadelphia, PA). Metall. Trans.; 4: No. 1, 185-92(1973).
SILICATES;LIQUIDS;THERMODYNAMIC PROPERTIES; MELTING;POLYMERIZATION

5138 PARTIAL SECTION OF CALCIUM OXIDE--SILICON DIOXIDE (1:1) IN THE SODIUM OXIDE--CALCIUM OXIDE--SILICON DIOXIDE--WATER SYSTEM AT 280°. Sazkin, V.S.; Moshkina, M.K.; Pankeeva, N.E.; Kalinina, R.I. (Inst. Obshch. Neorg. Khim., Kiev, USSR). Ukr. Khim. Zh.; 39: No. 2, 144-7(1973).
CALCIUM OXIDES;SILICON OXIDES; CRYSTALLIZATION;HIGH TEMPERATURE;SODIUM OXIDES; WATER

5139 THERMODYNAMIC PROPERTIES OF SILICATES. Spencer, P.J. Rep. No. 21. Teddington/ Middlesex, England; United Kingdom of Great Britain and Northern Ireland (UK); National Phys. Lab., Div. Chem. Stand. (1973). 36p.
SILICATES;OXIDES;THERMODYNAMIC PROPERTIES; TABLES;ENTROPY;FORMATION HEAT;SPECIFIC HEAT

5140 STABILITY OF THE ASSEMBLAGE MUSCOVITE--CALCITE--QUARTZ. Hewitt, D.A. (Dep. Geol. Sci., Virginia Polytech. Inst., Blacksburg, VA). Am. Mineral.; 58: No. 7-8, 785-91(1973).
MUSCOVITE;CALCITE;QUARTZ;EQUILIBRIUM; ENTHALPY;REACTION KINETICS;STABILITY

5141 QUANTITATIVE DETERMINATION OF SPECIFIC HEAT IN DIFFERENTIAL SCANNING CALORIMETRY. Vucelic, D.; Vucelic, V.; Juranic, N. (Dep. Phys. Chem., Fac. Sci., Belgrade, Yugoslavia). J. Therm. Anal.; 5: No. 4, 459-63(1973).
SPECIFIC HEAT;ZEOLITES;MEASURING METHODS; CALORIMETRY

5142 STABILITY FIELD OF STILBITE. Juan, V.C.; Lo, H.-J. (Natl. Taiwan Univ., Taipei, Taiwan). Proc. Geol. Soc. China; No. 16, 37-49(1973).
ANALCIME;ZEOLITES;CALCIUM COMPOUNDS;QUARTZ; WATER;STABILITY;EQUILIBRIUM;ENTHALPY;ENTROPY

5143 LIMITING EQUIVALENT ELECTRICAL CONDUCTANCE OF POTASSIUM CHLORIDE AT UP TO 150° AND 8000 KG/CM². Larionov, E.G.; Kryukov, P.A. (Inst. Neorg. Khim., Novosibirsk, USSR). Izv. Sib. Otd. Akad. Nauk SSSR, Ser. Khim. Nauk; No. 3, 104-11(1973).
AQUEOUS SOLUTIONS;POTASSIUM CHLORIDES; ELECTRIC CONDUCTIVITY;ACTIVATION ENERGY;HIGH TEMPERATURE;HIGH PRESSURE

5144 THERMODYNAMIC PROPERTIES OF PARAGONITE. Gusynin, V.F. Ocherki Fiz.-Khim. Petrologii; No. 3, 43-5(1973).
PARAGONITE;THERMODYNAMIC PROPERTIES;ENTROPY; FREE ENERGY;SPECIFIC HEAT

5145 GEOTHERMOMETRIC STUDY OF CARBONATITE COMPLEXES. Sokolov, S.V. Geokhimiya; No. 10, 1473-80(1973).
GEOTHERMOMETRY;PYROXENES;BIOTITE;CARBONATES; CRYSTALLIZATION

5146 DETERMINATION OF THE ACTIVITY COEFFICIENT OF CALCIUM CHLORIDE IN SOLUTION USING A MEMBRANE ELECTRODE. Cachaza, J.M.; Casal, R. (Fac. Cienc., Univ. Santiago, Santiago, Spain). An. Quim.; 69: No. 9-10, 959-63(1973).
AQUEOUS SOLUTIONS;CHEMICAL REACTION KINETICS; POTASSIUM CHLORIDES;SODIUM CHLORIDES;MEDIUM TEMPERATURE

5147 ENTHALPIES OF FORMATION OF SPINEL($MGAL_2O_4$), PYROXENE($MGSIO_3$), OLIVINE(MG_2SIO_4), KYANITE(AL_2SIO_5), AND SILLIMANITE(AL_2SIO_5) BY OXIDE MELT SOLUTION CALORIMETRY. Shearer, J.A.; Kleppa, O.J. (James Franck Inst., Univ. Chicago, Chicago, IL). J. Inorg. Nucl. Chem.; 35: No. 4, 1073-8(1973).
PYROXENES;CALORIMETRY;FORMATION HEAT; ENTHALPY;ALUMINIUM SILICATES;SPINELS;OLIVINES

5148 ANALCIME. FREE ENERGY FROM HYDROTHERMAL DATA. IMPLICATIONS FOR PHASE EQUILIBRIUMS AND THERMODYNAMIC QUANTITIES FOR PHRASES IN SODIUM METAALUMINATE-SILICA-WATER. Thompson, A.B. (Dep. Geol. Sci., Harvard Univ., Cambridge, MA). Am. Mineral.; 58: No. 3-4, 277-86(1973).
ANALCIME;PHASE STUDIES;EQUILIBRIUM; THERMODYNAMIC PROPERTIES;FREE ENTHALPY;SODIUM COMPOUNDS;ALUMINATES;SILICON OXIDES;WATER

5149 THERMOELECTRONIC-GRAPHICAL STUDY OF MUSCOVITE CRYSTALS. Kalikhman, V.M.; Kuznetsova, G.A.; Liopo, V.A.; Metsik, M.S. (Irkutsk. Gos. Univ. im. Zhdanova, Irkutsk, USSR). Izv. Vyssh. Uchebn. Zaved., Fiz.; 15: No. 5, 132-3(1973).
MUSCOVITE;THERMAL EXPANSION;CRYSTALS; ANISOTROPY

5150 PHASE EQUILIBRIA IN THE SYSTEM $NA_2SIO_3-CASIO_3$. Moir, G.K.; Glasser, F.P. (Univ. Aberdeen, Scotland). Phys. Chem. Glasses; 15: No. 1, 6-11(1974).
SODIUM SILICATES;CALCIUM SILICATES;PHASE STUDIES;STOICHIOMETRY;EQUILIBRIUM; CRYSTALLIZATION;GLASS;SINTERED MATERIALS;X-RAY DIFFRACTION

5151 ANISOTROPIC THERMAL EXPANSION AND SOLID SOLUTIONS OF SOME COMPOUNDS IN THE SYSTEM $BAO-AL_2O_3-SIO_2$. II. MEASUREMENTS ON STRUCTURES HAVING THREE DIMENSIONAL LINKS BETWEEN

$(SI,AL)O_4$ TETRAHEDRA AND MODEL CONSIDERATIONS CONCERNING THEIR ANISOTROPIC THERMAL EXPANSION. Oehlschlegel, G.; Kockel, A.; Biedl, A. (Ruhr-Univ., Bochum, Germany). Glastech. Ber.; 47: No. 3, 31-41(1974). (In German).
BARIUM OXIDES;ALUMINIUM OXIDES;SILICON OXIDES;THERMAL EXPANSION;CRYSTAL STRUCTURE; CRYSTALLIZATION;SOLID SOLUTIONS;PHASE STUDIES

5152 EQUATIONS OF STATE OF SODIUM CHLORIDE. Zhdanov, V.A.; Polyakov, V.V.; Konusov, V.F. (V.V. Kuibyshev Tomsk State Univ., USSR). Sov. Phys. - Solid State (Engl. Transl.); 15: No. 11, 2295-6(1974).
SODIUM CHLORIDES;EQUATIONS OF STATE;PHASE TRANSFORMATIONS;THERMODYNAMIC PROPERTIES

5153 THERMAL STABILITY AND STANDARD THERMODYNAMIC PROPERTIES OF SYNTHETIC $2M_1$-- MUSCOVITE, $KAL_2[ALSI_3O_{10}(OH)_2]$. Chatterjee, N.D.; Johannes, W. (Inst. Mineral., Ruhr Univ. Bocnum, Bochum, Ger.). Contrib. Mineral. Petrol.; 48: No. 2, 89-114(1974).
MUSCOVITE;THERMODYNAMIC PROPERTIES;STABILITY; QUARTZ;WATER;EQUILIBRIUM;ALUMINIUM SILICATES; ENTHALPY;FORMATION FREE ENERGY;CORUNDUM

5154 THERMODYNAMIC CHARACTERISTICS OF REACTIONS IN THE SILICON--OXYGEN--CARBON SYSTEM. 1. Laptev, D.M.; Vasil'ev, V.V.; Mizin, V.G.; Serov, G.V.; Khrushchev, M.S. (Sib. Metall. Inst., Novokuznetsk, USSR). Izv. Vyssh. Uchebn. Zaved., Chern. Metall.; No. 10, 8-11(1974).
THERMODYNAMIC PROPERTIES;SILICON;OXYGEN; CARBON;SILICON OXIDES;SILICON CARBIDES;CARBON MONOXIDE;CHEMICAL REACTIONS;EQUILIBRIUM;ENTROPY; FREE ENTHALPY

5155 RELATION OF THE HETEROGENOUS DISTRIBUTION OF MACROCOMPONENTS TO PH DURING THE PRECIPITATION OF ALUMINUM AND IRON CARBONATES AND SILICATES. Zhukova, L.A. (Mosk. S.-Kh. Akad. im. Timiryazeva, Moscow, USSR). Izv. Timiryazevsk. S-kh. Akad.; No. 5, 191-4(1974).
SILICATES;PRECIPITATION;PH VALUE;ALUMINIUM COMPOUNDS;IRON CARBONATES;STABILITY

5156 SODIUM ALUMINOSILICATE ($NAALSI_3O_8$)-WATER SOLUTIONS. THERMODYNAMIC MODEL FOR HYDROUS MAGMAS. Burnham, C.W. (Dep. Geosci., Pennsylvania State Univ., University Park, PA). Bull. Soc. Fr. Mineral. Cristallogr.; 97: No. 2-5, 223-30(1974).
MAGMA;SODIUM SILICATES;ALUMINIUM SILICATES; THERMODYNAMIC PROPERTIES;MASS;BASALT;ANDESITES; PEGMATITES;SOLUBILITY;WATER

5157 EXPERIMENTAL EQUILIBRIUM CRITERIA FOR STUDYING HYDROTHERMAL SYSTEMS WITH MINERALS OF CONSTANT COMPOSITION. Fonarev, V.I. Ocherki Fiz.-Khim. Petrol.; 4: 218-32(1974).
HYDROTHERMAL SYSTEMS;EQUILIBRIUM;CHEMICAL REACTION KINETICS;CRYSTALLIZATION;MINERALS

5158 HEAT CAPACITY AND THERMODYNAMIC PROPERTIES OF SILICA GEL AT LOW TEMPERATURES. Ostronov, M.G.; Samarin, Yu.B.; Gel'perin, I.I.; Koloshina, V.N. (Gos. Inst. Azotn. Prom. Prod. Org. Sint., Moscow, USSR). Zh. Fiz. Khim.; 48: No. 7, 1822-3(1974).
SILICA GEL;THERMODYNAMIC PROPERTIES;SPECIFIC HEAT;ENTHALPY;ENTROPY

5159 METHOD OF ESTIMATING THE GIBBS ENERGIES OF FORMATION OF LAYER SILICATES. Tardy, Y.; Garrels, R.M. (Cent. Sedimentol. Geochim. Surf., Strasbourg, Fr.). Geochim. Cosmochim. Acta; 38: No. 7, 1101-16(1974).
FORMATION FREE ENERGY;SILICATES;OXIDES; HYDROXIDES;MONTMORILLONITE;ILLITE;CHLORITE MINERALS;MICA

5160 EQUILBRIUMS IN THE SYSTEM ALUMINIUM OXIDE--SILICON DIOXIDE--WATER INVOLVING THE STABILITY LIMITS OF PYROPHYLLITE, AND THERMODYNAMIC DATA OF PYROPHYLLITE. ADDITIONAL DATA. Haas, H.; Holdaway, M.J. (Inst. Study Earth Man, South. Methodist Univ., Dallas, TX). Am. J. Sci.; 274: No. 7, 825-8(1974).
ALUMINIUM OXIDES;SILICON OXIDES;WATER; THERMODYNAMIC PROPERTIES;PYROPHYLLITE; EQUILIBRIUM;STABILITY

5161 GIBBS ENERGY OF ALUMINOUS MINERALS. Thompson, A.B. (Dep. Geol. Sci., Harvard Univ., Cambridge, MA). Contrib. Mineral. Petrol.; 48: No. 2, 123-36(1974).
FORMATION FREE ENERGY;ALUMINIUM SILICATES; FORMATION HEAT;GIBBSITE;KAOLINITE;CORUNDUM; FELDSPARS;CALCIUM OXIDES;CALCIUM SILICATES; PHASE STUDIES;EQUILIBRIUM

5162 KINETICS OF HYDROTHERMAL SYNTHESIS OF DIOPSIDE. Shvedenkov, G.Yu.; Kalinin, D.V.; Stenina, N.G.; Chupina, M.A. pp 43-8 of Eksp. issled. mineral. 1972--1973. Godovikov, A.A.; Sobolev, V.S.; Fursenko, B.A. (eds.). Novosibirsk; Akad. Nauk SSSR, Sib. Otd., Inst. Geol. Geofiz. (1974).
DIOPSIDE;HYDROTHERMAL SYNTHESIS;REACTION KINETICS;CALCIUM CARBONATES;SILICON OXIDES; SODIUM CHLORIDES;MAGNESIUM COMPOUNDS

5163 NATURAL MINERAL ASSOCIATIONS IN REGIONS OF RECENT HYDROTHERMAL OCCURRENCES. Borisov, O.G.; Borisova, V.N. (Dal'nevost. Geol. Inst., Vladivostok, USSR). pp 147-52 of Gidroterm. mineraloobraz. rastvory obl. akt. vulkanizma. Naboko, S.I. (ed.). Novosibirsk; ''Nauka'', Sib. Otd. (1974).
Isobaric potentials. THERMAL WATERS;USSR; JAPAN;HOT SPRINGS;MINERALIZATION;PH VALUE; MONTMORILLONITE;FELDSPARS;MUSCOVITE;KAOLINITE; ALUNITE;SYNTHESIS;MICA;MINERALS

5164 CHEMICAL COMPOSITION OF HEULANDITE AND CLINOPTILOLITE. Filizova, L.; Vasilenko, V.B. (Geol. Inst., Sofia, Bulgaria). pp 211-8 of Minerogenezis. Aleksiev, El.; Mincheva-Stefanova, I.; Radonova, T.G. (eds.). Sofia, Bulgaria; Izd. BAN (1974).
CLINOPTILOLITE;ZEOLITES;HEULANDITE;CHEMICAL COMPOSITION

5165 MECHANISM OF FORMATION OF A, X, AND Y ZEOLITES. Polak, F. (Inst. Chem., Uniw. Jagiellonski, Krakow, Poland). pp 16-29 of Zeolity synt. ich zastosow. katal., pr. semin. szk. Romanowski, W. (ed.). Wroclaw, Poland; Zakl. Nar. im. Ossolinskich (1974).
ZEOLITES;SYNTHESIS;REACTION KINETICS; CHEMICAL COMPOSITION

5166 INTERACTION OF CLAY MINERALS WITH DISTILLED WATER AND SALINE SOLUTIONS AT ELEVATED TEMPERATURES. Blatter, C.L. Binghamton, NY; State Univ. of New York (1974). 134p. University Microfilms Order No. 74-23,379.
Thesis (Ph. D.).
ROCK-FLUID INTERACTIONS;CLAYS;WATER;

SOLUTIONS;SALTS;HIGH TEMPERATURE;SALINITY; MINERALS

5167 SYNTHETIC MORDENITE. Maru, F. (to Nittetsu Mining Co., Ltd.). Japanese Patent 10,440. 11 Mar 1974. Filed date 17 Jun 1968. 5p.
MORDENITE;SYNTHESIS;ALUMINIUM SILICATES; SODIUM SILICATES;SALTS;HEATING;WATER

5168 INFLUENCE OF TEMPERATURE, STRAIN RATE AND INTERSTITIAL WATER IN THE EXPERIMENTAL DEFORMATION OF CALCITE ROCKS. Rutter, E.H. (Imperial Coll., London, England). Tectonophysics; 22: No. 3-4, 311-34(Jun 1974).
LIMESTONE;CALCIUM CARBONATES;DEFORMATION; TEMPERATURE DEPENDENCE;STRAIN HARDENING; SEDIMENTARY ROCKS;VELOCITY;HUMIDITY;TENSILE PROPERTIES

5169 DETERMINATION OF THERMOPHYSICAL PROPERTIES OF ROCKS BY QUASISTEADY HEATING OF A TWO-LAYER PLATE. Merzlyakov, E.I. (Engineering Thermophysics Inst., Kiev). Heat Transfer - Sov. Res.; 7: No. 2, 174-176(1975).
ROCKS;THERMAL CONDUCTION;DIFFERENTIAL EQUATIONS;HEATING;LAYERS;PLATES

5170 THERMODYNAMIC CHARACTERISTICS OF ROCKS AND MINERALS UNDER THE CONDITIONS OF THE EARTH'S MANTLE. Pan'kov, V.L.; Kalinin, V.A. (Inst. Fiz. Zemli im. Shmidta, Moscow, USSR). Izv. Akad. Nauk SSSR, Fiz. Zemli; No. 3, 3-15(1975).
ROCKS;MINERALS;EARTH MANTLE;THERMODYNAMIC PROPERTIES;DEPTH;MAGNESIUM OXIDES;SILICON OXIDES;ALUMINIUM OXIDES;CALCIUM OXIDES;IRON OXIDES

5171 SUMMARY AND CRITIQUE OF THE THERMODYNAMIC PROPERTIES OF ROCK-FORMING MINERALS. Helgeson, H.C. (Univ. of California, Berkeley); Nesbitt, H.W.; Delany, J.M. pp 1108 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
THERMODYNAMIC PROPERTIES;MINERALS;PHASE STUDIES;CARBONATES;SILICATES;OXIDES;EQUILIBRIUM; ENTHALPY;ROCKS;HIGH PRESSURE;HIGH TEMPERATURE; FORMATION FREE ENERGY

5172 EXPERIMENTAL AND THERMODYNAMIC STUDY OF EQUILIBRIUMS IN THE SYSTEM CALCIUM OXIDE--MAGNESIUM OXIDE--SILICON DIOXIDE--WATER--CARBON DIOXIDE. Slaughter, J.; Kerrick, D.M.; Wall, V.J. (Dep. Geosci., Pennsylvania State Univ., University Park, PA). Am. J. Sci.; 275: No. 2, 143-62(1975).
CALCIUM OXIDES;MAGNESIUM OXIDES;SILICON OXIDES;WATER;CARBON DIOXIDE;EQUILIBRIUM; THERMODYNAMIC PROPERTIES;TALC;CALCITE;QUARTZ; DIOPSIDE;AMPHIBOLE;DOLOMITE;FREE ENERGY;ENTROPY; REACTION KINETICS

5173 HYDROTHERMAL SYNTHESIS OF SOME HYDRATED ALKALI METAL ALUMINOSILICATES. Glukhovskii, V.D.; Mashkina, A.A.; Rumyna, G.V.; Skurchinskaya, Zh.V. (Kiev. Inzh.-Stroit. Inst., Kiev, USSR). Khim. Tekhnol. (Kharkov); No. 1, 53-5(1975).
HYDROTHERMAL SYNTHESIS;MONTMORILLONITE; KAOLINITE;MICA;SODIUM HYDROXIDES;SODIUM CARBONATES;ANALCIME;ALUMINIUM SILICATES;ALKALI METAL COMPOUNDS;ROCK-FLUID INTERACTIONS

5174 METHOD OF ESTIMATION OF STANDARD FREE ENERGIES OF FORMATION OF SILICATE MINERALS AT 298.15°K. Chen, C.-H. (Min. Res. Serv. Organ., People's Republic China). Am. J. Sci.; 275: No. 7, 801-17(1975).
SILICATES;MINERALS;EQUATIONS;FORMATION FREE ENERGY;MEDIUM TEMPERATURE

5175 ALTERATION OF HEDENBERGITE, DIOPSIDE, AND ANDRADITE. Chao, P.; Tsao, R.-L. Ti Ch'iu Hua Hsueh; No. 1, 63-74(1975).
300-800° and 200-2000 atm. HYDROTHERMAL ALTERATION;HEDENBERGITE;DIOPSIDE;ANDRADITE; SOLUTIONS;PH VALUE;STABILITY;PYROXENES

5176 OXYGEN-18/OXYGEN-16 AND DEUTERIUM/HYDROGEN STUDIES ON THE INTERACTIONS BETWEEN HEATED METEORIC GROUND WATERS AND IGNEOUS INTRUSIONS. WESTERN SAN JUAN MOUNTAINS, COLORADO, AND THE ISLE OF SKYE, SCOTLAND. Forester, R.W. Pasadena, CA; California Institute of Technology (1975). 373p. University Microfilms Order No. 75-19,994.
Thesis (Ph. D.).
OXYGEN 18;OXYGEN 16;OXYGEN ISOTOPES; DEUTERIUM;HYDROGEN;HYDROGEN ISOTOPES;THERMAL WATERS;METEORIC WATER;GROUND WATER;IGNEOUS ROCKS;COLORADO;ROCK-FLUID INTERACTIONS;UNITED KINGDOM;ISOTOPE RATIO

5177 PHYSICAL PROPERTIES OF MAGMATIC ROCKS UNDER VARIOUS PRESSURES AND TEMPERATURES. Galdin, N.E. Izv. Vyssh. Uchebn. Zaved., Geol. Razved.; No. 4, 118-127(Apr 1975). (In Russian).
IGNEOUS ROCKS;PHYSICAL PROPERTIES; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE; QUARTZ;BASALT;PYROXENES

5178 STABILITY OF THE ASSEMBLAGE PHLOGOPITE--CALCITE--QUARTZ. Hewitt, D.A. (Dept. Geol. Sci., Vir. Polytech. Inst. and State Univ., Blacksburg, VA). Am. Mineral.; 60: No. 5/6, 391-7(May-Jun 1975).
CALCITE;QUARTZ;EQUILIBRIUM;ENTHALPY; FELDSPARS;CHEMICAL REACTIONS;MICA;PHASE STUDIES

Rock–Water–Gas Interactions

Refer also to citation(s) 956, 1700, 1837, 1881, 1882, 1916, 1917, 1960, 1970, 1999, 3026, 3080, 3157, 3386, 4597, 5055, 5154, 5400, 5412

5179 (LBL--4415) POLYMERIZATION KINETICS AND EQUILIBRIA OF SILICIC ACID IN AQUEOUS SYSTEMS. Marsh, A.R. III; Klein, G.; Vermeulen, T. (California Univ., Davis (USA). Dept. of Engineering). Oct 1975. Contract W-7405-ENG-48. 177p. Dep. NTIS $8.50.
SILICON OXIDES;AQUEOUS SOLUTIONS; POLYMERIZATION;PH VALUE;IONS;CHEMICAL REACTION KINETICS;SILICIC ACID;RESIDUES;SCALING; PRECIPITATION;GEOTHERMAL FLUIDS;BRINES; EQUILIBRIUM;GEOTHERMAL POWER PLANTS;SOLUBILITY; DEPOSITION;QUARTZ

5180 (PB--215899) SOLMNEQ. SOLUTION-MINERAL EQUILIBRIUM COMPUTATIONS. Kharaka, Y.K.; Barnes, I. (California University, Berkeley. Dept. Geol. Geophys.). 1973. 81p. NTIS.
Equilibrium distribution of aqueous species in natural waters at 0 to 350°. EQUILIBRIUM; MINERALS;COMPUTER CODES;S CODES;CHEMICAL REACTIONS;THERMAL WATERS;REACTION KINETICS

5181 METHOD FOR THE EXPERIMENTAL INVESTIGATION OF HYDROTHERMAL SOLUTIONS, WITH NOTES ON ITS APPLICATION TO THE SOLUBILITY OF SILICA. Hitchen, C.S. Bull. Inst. Min., Met.; 365-366: 1-34, 29-32(1935).
SILICON OXIDES;SOLUBILITY;HIGH TEMPERATURE; SODIUM SILICATES;MEASURING METHODS;TUBES

5182 DEVELOPMENT OF MINERALS IN THE SYSTEM AL_2O_3--SIO_2--H_2O. Noll, W. Neues Jahrb., Suppl.; 70, Sec. A: No. 1, 65-115(1935).
ALUMINIUM OXIDES;KAOLIN;FELDSPARS;HYDROLYSIS; HYDROTHERMAL ALTERATION;WATER;HYDRATES; SYNTHESIS;ALUMINIUM SILICATES;ALUMINIUM OXIDES; ALUMINIUM HYDROXIDES;PHASE STUDIES;MINERALS

5183 HYDROTHERMAL ALTERATION OF MONTMORILLONITE TO FELDSPAR AT TEMPERATURES FROM 245°-300°C. Gruner, J.W. Am. Mineral.; 21: No. 8, 511-15(1936).
MONTMORILLONITE;FELDSPARS;HYDROTHERMAL ALTERATION;TEMPERATURE DEPENDENCE;CHEMICAL REACTIONS;POTASSIUM CHLORIDES;POTASSIUM CARBONATES;SYNTHESIS

5184 HYDROTHERMAL FORMATION OF CLAY MINERALS IN THE LABORATORY. Norton, F.H. Am. Mineral.; 24: No. 1, 1-17(1939).
CLAYS;MINERALS;HYDROTHERMAL ALTERATION; FELDSPARS;TEMPERATURE DEPENDENCE;PH VALUE; SYNTHESIS;ROCKS;ALUMINIUM SILICATES

5185 HYDROTHERMAL ALTERATION OF FELDSPARS IN ACID SOLUTIONS BETWEEN 300° AND 400°C. Gruner, J.W. Econ. Geol.; 39: No. 8, 578-89(1944).
HYDROTHERMAL SYSTEMS;THERMAL WATERS; FELDSPARS;PH VALUE;HYDROCHLORIC ACID;MEDIUM TEMPERATURE;MUSCOVITE;KAOLIN;HYDROTHERMAL ALTERATION;PYROPHYLLITE;CHEMICAL REACTIONS; SYNTHESIS

5186 HYDROTHERMAL SOLUBILITY OF SILICA. Kennedy, G.C. Econ. Geol.; 39: No. 1, 25-36(1944).
THERMAL WATERS;SILICON OXIDES;SOLUBILITY; MEDIUM TEMPERATURE;HIGH PRESSURE;TEMPERATURE DEPENDENCE;SOLVENT PROPERTIES

5187 GEOCHEMISTRY OF ARGILLIC AND RELATED TYPES OF ROCK ALTERATION. Lovering, T.S. Q. Colo. Sch. Mines; 45: No. 1B, 231-60(1950).
HOT SPRINGS;GEOCHEMISTRY;GEOLOGY;ZEOLITES; CHLORITE MINERALS;CLAYS;HYDROTHERMAL ALTERATION; POROSITY;PERMEABILITY;THERMAL WATERS;PH VALUE; KAOLIN;SILICON OXIDES;ALUNITE

5188 SOLUBILITY OF QUARTZ AND SOME OTHER SUBSTANCES IN SUPERHEATED STEAM AT HIGH PRESSURES. Morey, G.W.; Hesselgesser, J.M. Am. Soc. Mechanical Engr. Trans.; 865-875(1951).
QUARTZ;SILICON OXIDES;SOLUBILITY;STEAM;GLASS; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE; STEAM;SOLVENT PROPERTIES

5189 SOLUBILITY OF SOME MINERALS IN SUPERHEATED STEAM AT HIGH PRESSURES. Morey, G.W.; Hesselgesser, J.M. Econ. Geol.; 46: No. 8, 821-35(1951).
GEOLOGY;SUPERHEATED STEAM;MINERALS; SOLUBILITY;HIGH PRESSURE;MEASURING METHODS; SALTS;MEASURING INSTRUMENTS

5190 SOLUBILITY OF KCL IN THE GASEOUS PHASE OF SUPERHEATED WATER. Jasmund, K. Beitr. Mineral. Petrog.; 3: No. 5, 380-405(1953).
POTASSIUM CHLORIDES;SOLUBILITY;SUPERHEATING; WATER;HIGH PRESSURE;HIGH TEMPERATURE;STEAM; SOLVENT PROPERTIES;ROCKS;HYDROTHERMAL ALTERATION

5191 FORMATION OF GRANITE-LIKE ANATECTIC MELTS BY EXPERIMENTAL METAMORPHISM OF CLAYS. Winkler, H.G.F. Geochim. Cosmochim. Acta; 13: No. 1, Pt. 1, 42-69(1957).
CLAYS;HYDROTHERMAL ALTERATION;METAMORPHIC ROCKS;METAMORPHISM;TEMPERATURE DEPENDENCE; GEOLOGY;MINERALS;SYNTHESIS;HIGH TEMPERATURE; VERY HIGH PRESSURE;MUSCOVITE;CHLORITE MINERALS; QUARTZ;FELDSPARS;BIOTITE;MAGNESIUM SILICATES; ALUMINIUM SILICATES;SILICON OXIDES

5192 HYDROTHERMAL ALTERATION IN SOME GRANODIORITES. Meyer, C.; Hemley, J. pp 89-100 of Clays and clay minerals. 6th Natl. Conf. Clays, clay minerals, Berkeley, Calif., 1957, Proc. Swineford, A. (ed.). New York; Pergamon Press (1959).
HYDROTHERMAL ALTERATION;MICA;CLAYS;FELDSPARS; KAOLIN;SILICON OXIDES;ALUMINIUM OXIDES;ZONES; IGNEOUS ROCKS;POTASSIUM OXIDES

5193 SYSTEM OF NA_2CO_3-$NAHCO_3$-CO_2-H_2O AT TEMPERATURES UP TO 200 DEGREES. Ellis, A.J. Am. J. Sci.; 257: No. 4, 287-96(1959).
SODIUM CARBONATES;SODIUM CHLORIDES;WATER; CHEMICAL REACTION KINETICS;VAPOR PRESSURE; MEDIUM TEMPERATURE;EQUILIBRIUM;PHASE STUDIES

5194 HYDROTHERMAL ALTERATIONS. Schwartz, G.M. Econ. Geol.; 54: No. 2, 161-83(1959).
ROCKS;HYDROTHERMAL ALTERATION;POROSITY; MINERALS;ORIGIN;SYNTHESIS;GEOLOGY;MINERALOGY; THERMAL WATERS

5195 SULFIDE SOLUBILITY IN AQUEOUS SOLUTIONS. Czamanske, G.K. Econ. Geol.; 54: No. 1, 57-63(1959).
SULFIDES;SOLUBILITY;AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;HIGH TEMPERATURE;PH VALUE

5196 HYDROTHERMAL ALTERATION ZONES CAUSED BY HALOGEN ACID SOLUTIONS, EAST TINTIC DISTRICT, UTAH. Lovering, T.S.; Shepard, A.O. Am. J. Sci.; 258-A: 215-229(1960).
HYDROTHERMAL SYSTEMS;HYDROTHERMAL ALTERATION; HALIDES;MEDIUM TEMPERATURE;PH VALUE;CARBONATES; KAOLIN;DOLOMITE;MONTMORILLONITE;LAVA;AQUEOUS SOLUTIONS;IGNEOUS ROCKS;ZONES;UTAH;CHEMICAL REACTIONS

5197 DETERMINATION OF OXYGEN IN SOME MINERALS USING PYRITE. Iwasaki, I.; Katsura, T.; Yoshida, M. Bull. Chem. Soc. Jpn.; 33: No. 10, 1340-5(1960).
IRON SULFIDES;IRON OXIDES;IRON SULFATES; WATER;CHEMICAL REACTIONS;HOT SPRINGS;VOLCANIC REGIONS;CHEMICAL COMPOSITION;GEOCHEMISTRY; OXYGEN;CHEMICAL ANALYSIS;PYRITES;MINERALS

5198 SYSTEM MAGNESIA-SILICA-WATER BELOW 300°C, LOW TEMPERATURE PHASES FROM 100°-300°C AND THEIR PROPERTIES. Yang, J.C.-S. J. Am. Ceram. Soc.; 43: No. 10, 542-9(1960).
PHASE STUDIES;PHASE TRANSFORMATIONS;WATER; MAGNESIUM SILICATES;MEDIUM TEMPERATURE;PHYSICAL PROPERTIES;CHEMICAL PROPERTIES;SILICON OXIDES; CHEMICAL REACTIONS;THERMAL WATERS;MAGNESIUM

OXIDES;TALC;MINERALS;CHEMICAL REACTION KINETICS

5199 EQUILIBRIUM RELATIONS BETWEEN PYRRHOTITE AND PYRITE FROM 325° TO 743°C. Arnold, R.G. Econ. Geol.; 57: No. 1, 72-90(1962).
PYRITES;EQUILIBRIUM;CRYSTALLIZATION;IRON SULFIDES;HIGH TEMPERATURE;PHASE STUDIES;VERY HIGH PRESSURE

5200 SOLUBILITY OF CALCITE IN AQUEOUS SOLUTIONS - 1. SOLUBILITY OF CALCITE IN WATER BETWEEN 75° AND 200° AT CO_2 PRESSURES UP TO 60 ATM. Segnitl, E.R. Geochim. Cosmochim. Acta; 26: 1301-31(1962).
WATER;CALCIUM;SOLUBILITY;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;CARBON DIOXIDE; THERMAL WATERS;SATURATION;SOLVENT PROPERTIES; PRECIPITATION;ORES;CALCITE

5201 SOLUBILITY OF CALCITE IN SODIUM CHLORIDE SOLUTIONS AT HIGH TEMPERATURES. Ellis, A.J. Am. J. Sci.; 261: No. 3, 259-67(1963).
CALCITE;SOLUBILITY;SODIUM CHLORIDES;AQUEOUS SOLUTIONS;CARBON DIOXIDE;HIGH TEMPERATURE; REACTION KINETICS;SOLVENT PROPERTIES;BRINES

5202 SOLUBILITY OF QUARTZ IN H_2O IN THE RANGE 1000-4000 BARS AND 400-500°C. Weill, D.F.; Fyfe, W.S. Geochim. Cosmochim. Acta; 28: No. 8, 1243-55(1964).
QUARTZ;SOLUBILITY;SILICON OXIDES;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;HIGH TEMPERATURE; VERY HIGH PRESSURE;CRYSTALLIZATION;DISSOLUTION; SILICON HYDROXIDES;WATER;SOLVENT PROPERTIES

5203 COMPLEXING AND HYDROTHERMAL ORE DEPOSITION. Helgeson, H.C. New York; United States of America (USA); MacMillan Co. (1964). 128p.
ORES;GEOLOGIC DEPOSITS;GEOTHERMAL GRADIENTS; COMPLEXES;GEOCHEMISTRY;IRREVERSIBLE PROCESSES; EQUILIBRIUM;CHLORIDES;HYDROTHERMAL SYSTEMS; HYDROTHERMAL ALTERATION;AQUEOUS SOLUTIONS; ELECTROLYTES;CHLORINE COMPLEXES;PRECIPITATION; SULFIDES;DEPOSITION;PHASE STUDIES

5204 AQUEOUS SYSTEMS AT HIGH TEMPERATURE. XIV. SOLUBILITY AND THERMODYNAMIC RELATIONSHIPS FOR $CASO_4$ IN NACL--H_2O SOLUTIONS FROM 40° TO 200°C, 0 TO 4 MOLAL NACL. Marshall, W.L.; Slusher, R.; Jones, E.V. J. Chem. Eng. Data; 9: 187(1964). (ORNL-CF--69-5-27).
CALCIUM SULFATES;SODIUM CHLORIDES;WATER; AQUEOUS SOLUTIONS;SOLUBILITY;THERMODYNAMIC PROPERTIES;MEDIUM TEMPERATURE;HIGH TEMPERATURE

5205 REPORT ON S.E.G. SYMPOSIUM ON THE CHEMISTRY OF THE ORE FORMING FLUIDS. Roedder, E. Econ. Geol.; 60: No. 7, 1380-1403(1965).
CHEMICAL COMPOSITION;ORES;MINERALS;GEOLOGIC DEPOSITS;HYDROTHERMAL ALTERATION;CHEMICAL REACTIONS;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;ISOTOPE RATIO;HOT SPRINGS;STABILITY; SULFIDES;CARBONATES;SILICATES;PHASE STUDIES; AQUEOUS SOLUTIONS;GEOCHEMISTRY;HYDROTHERMAL SYSTEMS

5206 PHASES OF SILICA. Sosman, R.B. New Brunswick, NJ; United States of America (USA); Rutgers Univ. Press (1965). 389p.
SILICON OXIDES;PHASE STUDIES;MANUALS;WATER; CHEMICAL REACTION KINETICS;CRYSTALLIZATION; AMORPHOUS STATE;SOLUBILITY;EQUILIBRIUM; THERMODYNAMIC PROPERTIES

5207 ANALCIME--ALBITE EQUILIBRIA. Campbell, A.S.; Fyfe, W.S. Am. J. Sci.; 263: No. 9, 807-16(Nov 1965).
ZEOLITES;FELDSPARS;SILICON OXIDES;PHASE STUDIES;WATER;CHEMICAL REACTION KINETICS; THERMODYNAMIC PROPERTIES;EQUILIBRIUM

5208 PHASE RELATIONSHIPS OF CHLORITES IN THE SYSTEM MGO--AL_2O_3--SIO_2--H_2O. Fawcett, J.J.; Yoder, H.S. Am. Mineral.; 51: No. 3-4, 353-80(1966).
CHLORITE MINERALS;PHASE STUDIES;QUARTZ; PYROXENES;SPINELS;MAGNESIUM OXIDES;SILICON OXIDES;ALUMINIUM OXIDES;MAGNESIUM SILICATES; TALC;ALUMINIUM SILICATES;HIGH TEMPERATURE;VERY HIGH PRESSURE;STABILITY

5209 HYDROTHERMAL SYNTHESIS OF MONTMORILLONITE GROUP MINERALS FROM KAOLINITE, QUARTZ AND VARIOUS CARBONATES. Levinson, A.A.; Vian, R.W. Am. Mineral.; 51: No. 3-4, 495-8(1966).
HYDROTHERMAL ALTERATION;SYNTHESIS; MONTMORILLONITE;KAOLIN;QUARTZ;CARBONATES; CALCITE;DOLOMITE;CLAYS;IRON CARBONATES;ZINC CARBONATES;CALCIUM CARBONATES

5210 FRACTIONAL CRYSTALLIZATION IN THE 'CARBONATITE SYSTEMS' CAO-MGO-CO_2-H_2O AND CAO-CAF_2-P_2O_5-CO_2-H_2O. Wyllie, P.J.; Biggar, G.M. pp 92-105 of Proceedings of 4th General Meeting of International Mineral. Assoc., 1964, papers. New Delhi; Mineral Soc. India (1966).
CARBON COMPOUNDS;CRYSTALLIZATION;PHASE TRANSFORMATIONS;MELTING;TEMPERATURE DEPENDENCE; CALCITE;CARBONATITES;PRESSURE DEPENDENCE

5211 CONTRIBUTION TO THE STUDY OF SUBSOLIDUS EQUILIBRIA IN THE TERNARY SYSTEM ORTHOCLASE-ALBITE-ANORTHITE WITH THE AID OF NA-K ION EXCHANGE REACTIONS AT THE CONTACT WITH A HYDROTHERMAL SOLUTION. Liyama, J.T. Bull. Soc. Fr. Mineral. Cristallogr.; 89: No. 4, 442-54(1966).
HYDROTHERMAL SYSTEMS;MINERALS;SOLUTIONS; EQUILIBRIUM;PHASE STUDIES;ION EXCHANGE; FELDSPARS;HIGH TEMPERATURE;HIGH PRESSURE; TEMPERATURE DEPENDENCE;POTASSIUM CHLORIDES; CHEMICAL REACTIONS;GEOTHERMOMETRY

5212 SOLUBILITIES OF METALLIC SULFIDES AND QUARTZ IN HYDROTHERMAL SULFIDE SOLUTIONS. Dickson, F.W. Bull. Volcanol.; 29: 605-28(1966).
25 to 250°C, 2 to 2000 bars. SOLUBILITY; SULFIDES;QUARTZ;AQUEOUS SOLUTIONS;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;SODIUM SULFIDES; HYDROGEN SULFIDES;MEDIUM TEMPERATURE;HIGH TEMPERATURE;MEDIUM PRESSURE;HIGH PRESSURE;VERY HIGH PRESSURE;SOLVENT PROPERTIES

5213 SYSTEM WATER-SODIUM OXIDE-SILICON DIOXIDE AT 200, 250, AND 300°. Rowe, J.J.; Fournier, R.O.; Morey, G.W. Inorg. Chem.; 6: No. 6, 1183-8(1967).
THERMAL WATERS;WATER;SODIUM OXIDES;SILICON OXIDES;MEDIUM TEMPERATURE;HIGH TEMPERATURE; THERMODYNAMIC PROPERTIES;SOLUBILITY;SODIUM SILICATES;EQUILIBRIUM;PHASE STUDIES

5214 HYDROTHERMAL MELTING CURVES IN SILICATE-WATER SYSTEMS AT PRESSURE GREATER THAN 10 KILOBARS. Boettscher, A.L.; Wyllie, P.J. Nature (London); 216: No. 5115, 572-3(1967).
HYDROTHERMAL SYSTEMS;ALUMINIUM SILICATES; SODIUM SILICATES;SILICON OXIDES;WATER;MELTING;

VERY HIGH PRESSURE;PHASE TRANSFORMATIONS;ROCKS; PRESSURE DEPENDENCE;HYDROTHERMAL ALTERATION

5215 SOLUTION CHEMISTRY AND METAMORPHISM. Helgeson, H.C. pp 362-404 of Research in geochemistry, Volume 2. New York; John Wiley and Sons, Inc. (1967).
MAGNESIUM OXIDES;CALCIUM OXIDES;POTASSIUM OXIDES;SODIUM OXIDES;ALUMINIUM OXIDES;SILICATES; WATER;CARBONATES;PHASE STUDIES;SODIUM CHLORIDES; POTASSIUM CHLORIDES;HYDROCHLORIC ACID;CHEMICAL REACTION KINETICS;TEMPERATURE DEPENDENCE; HYDROTHERMAL SYSTEMS;SALTON SEA;THERMODYNAMICS; SEAWATER;GEOCHEMISTRY

5216 HYGROSCOPIC CHLORITE, AN ALTERATION PRODUCT OF OLIVINES; PROBLEM OF IDDINGSITIZATION. Causse, C.; Brousse, R. pp 193-205 of 91st Congress, National Society Sav., Sec. Sci., Compt. Rend. Volume 2. Nat. Soc. Sav., Sec. Sci. (1967).
CHLORITE MINERALS;ORIGIN;OLIVINES; HYDROTHERMAL ALTERATION;FUMAROLIC FLUIDS; VOLCANOES;IRON;OXIDATION

5217 CALCULATED EQUILIBRIUM CURVES FOR SOME REACTIONS IN THE SYSTEM MGO--SiO_2--H_2O AT PRESSURES UP TO 30 KILOBARS. Kitahara, S.; Kennedy, G.C. Am. J. Sci.; 265: No. 3, 211-17(1967).
MAGNESIUM SILICATES;PHASE STUDIES;MAGNESIUM OXIDES;CHEMICAL REACTION KINETICS;WATER;SILICON OXIDES;DIAGRAMS;DATA;VERY HIGH PRESSURE; TEMPERATURE DEPENDENCE;EQUILIBRIUM

5218 DISCUSSION - STUDY OF EQUILIBRIUM RELATIONS IN THE SYSTEMS Al_2O_3--SiO_2--H_2O AND Al_2O_3--H_2O. Robinson, P. Am. J. Sci.; 265: No. 9, 831-2(1967).
CORUNDUM;WATER;PHASE STUDIES;CHEMICAL REACTION KINETICS;DATA;DIAGRAMS;SILICON OXIDES; EQUILIBRIUM

5219 STUDY OF EQUILIBRIUM RELATIONS IN THE SYSTEM Al_2O_3--SiO_2--H_2O AND Al_2O_3--H_2O. Matsushima, S.; Kennedy, G.C.; Akella, J.; Haygarth, J. Am. J. Sci.; 265: No. 1, 28-44(1967).
CORUNDUM;PHASE STUDIES;CHEMICAL REACTION KINETICS;WATER;DATA;SILICON OXIDES;EQUILIBRIUM

5220 HYDROLYTIC WEAKENING OF QUARTZ AND OTHER SILICATES. Griggs, D.T. Geophys. J. R. Astron. Soc.; 14: No. 1-4, 19-31(1967).
QUARTZ;SILICON OXIDES;CHEMICAL REACTIONS; WATER;CRYSTAL-PHASE TRANSFORMATIONS;PHYSICAL PROPERTIES;SOLUBILITY;HYDROTHERMAL ALTERATION

5221 REACTIONS OF QUARTZ AND CORUNDUM WITH AQUEOUS CHLORIDE AND HYDROXIDE SOLUTIONS AT HIGH TEMPERATURES AND PRESSURES. Anderson, G.M.; Burham, C.W. Am. J. Sci.; 265: No. 1, 12-27(1967).
QUARTZ;SOLUBILITY;WATER;CORUNDUM;MEASURING METHODS;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;CHEMICAL COMPOSITION;THERMAL WATERS; SOLVENT PROPERTIES;HYDROCHLORIC ACID;POTASSIUM CHLORIDES;SODIUM CHLORIDES;POTASSIUM HYDRIDES; SODIUM HYDROXIDES

5222 HIGH TEMPERATURE AND PRESSURE AQUEOUS SOLUBILITY DATA BEARING ON THE STABILITY OF SILICATES. Mueller, R.F. J. Geol.; 75: No. 1, 121-6(1967).
SILICATES;SOLUBILITY;HIGH TEMPERATURE;HIGH PRESSURE;QUARTZ;STEAM;CHEMICAL REACTIONS; CHEMICAL REACTION KINETICS;EQUILIBRIUM;SILICON OXIDES;AQUEOUS SOLUTIONS;PYROXENES;DISSOLUTION; TALC;MAGNESIUM SILICATES

5223 RECRYSTALLIZATION OF QUARTZ IN HYDROTHERMAL SOLUTIONS OF SULFIDES AND FLUORIDES OF VARIOUS ALKALI METALS. Khetchikov, L.N.; Balitskiy, V.S.; Dernov-Pegarev, V.F. pp 91-95 of Mineralogicheskaya Termometriya I Barometriya; Tom 1, Geokhimiya Glubinnykh Mineraloobrazuyushchikh Rastvorov. Moscow; Izd. Nauka (1968).
QUARTZ;RECRYSTALLIZATION;AQUEOUS SOLUTIONS; SULFIDES;FLUORIDES;ALKALI METALS;SOLVENT PROPERTIES

5224 CHEMISTRY OF ACTUAL MINERAL-FORMING SOLJTIONS. Naboko, S.I. Geol. Geofiz. (Akad. Nauk SSSR, Sib. Otd.; No. 3, 3-13(1968).
AQUEOUS SOLUTIONS;MINERALIZATION; GEOCHEMISTRY;THERMAL WATERS

5225 LOW-TEMPERATURE HYDROTHERMAL SYNTHESIS OF MONTMORILLONITE, AMMONIUM MICAS- AND AMMONIUM ZEOLITES. Levinson, A.A.; Day, J.J. Earth Planet. Sci. Lett.; 5: No. 1, 52-54(1968).
ALUMINIUM SILICATES;ZEOLITES;MICA;AMMONIUM HYDROXIDES;HYDROTHERMAL SYSTEMS;SYNTHESIS; CHEMICAL REACTIONS;DOLOMITE;KAOLIN;FELDSPARS; QUARTZ;MONTMORILLONITE

5226 EVALUATION OF IRREVERSIBLE REACTIONS IN GEOCHEMICAL PROCESSES INVOLVING MINERALS AND AQUEOUS SOLUTIONS, THERMODYNAMIC RELATIONS. Helgeson, H.C. Geochim. Cosmochim. Acta; 32: No. 8, Pt. 1, 853-877(1968).
AQUEOUS SOLUTIONS;IGNEOUS ROCKS;METAMORPHIC ROCKS;SEDIMENTARY ROCKS;IRREVERSIBLE PROCESSES; GEOCHEMISTRY;MINERALS;MASS TRANSFER; ELECTROLYTES;CHEMICAL REACTIONS;EQUILIBRIUM; THERMODYNAMICS;PHASE STUDIES

5227 NATURAL EXPERIMENT ON THE REACTION OF HOT BRINES WITH DOLERITE. Pavlov, D.I. Dokl. Akad. Nauk SSSR; 178: No. 4, 939-41(1968). (In Russian).
78 to 85°C. BASALT;CHEMICAL REACTIONS;BRINES; GEOTHERMAL FLUIDS;BOREHOLES;LEACHING;SILICON; MAGNESIUM;CALCIUM;IRON;LIMESTONE;HYDRATION;USSR; SODIUM CHLORIDES

5228 EVALUATION OF IRREVERSIBLE REACTIONS IN GEOCHEMICAL PROCESSES INVOLVING MINERALS AND AQUEOUS SOLUTIONS APPLICATIONS. Helgeson, H.C.; Garrels, R.M.; Mackenzie, F.T. Geochim. Cosmochim. Acta; 33: No. 4, Pt. 2, 455-481(1969).
GEOCHEMISTRY;MINERALS;AQUEOUS SOLUTIONS; HYDROTHERMAL ALTERATION;ROCKS;GEOLOGIC DEPOSITS

5229 REACTIONS OF ALKALI FELDSPARS WITH CALCIUM-BEARING HYDROTHERMAL SOLUTIONS BETWEEN 300 AND 600°C. Wyart, J.; Sabatier, G. pp 190-204 of Problems of geochemistry. Khitarov, N.I. (ed.). Jerusalem; Israel Program Sci. Transl. (1969).
FELDSPARS;CHEMICAL REACTIONS;AQUEOUS SOLUTIONS;CALCIUM;HIGH TEMPERATURE;THERMAL WATERS

5230 SOLUBILITY OF PBS IN SOLUTIONS OF HYDROTHERMAL INTEREST. Nriagu, J.; Anderson, G.M. EOS, Trans., Am. Geophys. Union; 50: No. 4, 338(1969).
LEAD SULFIDES;SOLUBILITY;THERMAL WATERS;

SOLVENT PROPERTIES

5231 ALTERATION OF EFFUSIVE ROCKS DURING AN EXPERIMENT IN GEOTHERMAL WELLS. Karpov, G.A. pp 126-37 of Molodye Gidroterm. Izmen Porody Mimer. Kamchatki Ostrovov Kuril'shikh. Naboko, S.I. (ed.). Moscow; Izd. ''Nauka'' (1969).
GEOTHERMAL WELLS;HYDROTHERMAL ALTERATION; ZONES;MONTMORILLONITE;KAOLIN;ZEOLITES;TUFF; SODIUM CHLORIDES;SILICON;ALUMINIUM;CALCIUM; MAGNESIUM;SODIUM;POTASSIUM;ROCKS;MINERALS; CHLORITE MINERALS;FELDSPARS;EPIDOTES;CALCITE; BASALT;PYRITES;SYNTHESIS;VOLCANIC ROCKS

5232 HYDROTHERMAL ARGILLIZATION OF GRANITIC ROCKS. Chernoruk, S.G.; Kazitsyn, Yu. V.; Dubik, O. Yu.; Nechiporenko, G.O. pp 351-61 of Probl. Metasomalizma, Tr. Konf. Okolorudnomu Metasomatizmu, 2nd 1966. Moscow, USSR; Nedra (1970).
GRANITES;HYDROTHERMAL ALTERATION;VOLCANIC REGIONS;GEOLOGIC DEPOSITS;PH VALUE;SULFATES; ROCKS;GOLD;SILVER;MERCURY;ANTIMONY;URANIUM; ARSENIC;KAOLIN;MONTMORILLONITE;ZONES;MICA; VITRIFICATION;IGNEOUS ROCKS;SYNTHESIS

5233 ILLITE MINERALS IN THE HYDROTHERMAL ALTERATION PRODUCTS IN THE CAVNIC ZONE. Anton, O. (Inst. Geol. Geogr., Acad. Soc. Repub. Rom., Bucharest, Rom.). Rev. Roum. Geol., Geophys. Geogr., Ser. Geol.; 14: No. 1, 35-43(1970).
VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; ILLITE;MICA;SYNTHESIS;METAMORPHIC ROCKS

5234 EFFECTS OF VOLCANIC ROCKS ON THE COMPOSITIONS OF HYDROTHERMAL SOLUTIONS. Khitarov, N.I.; Khundaze, A.G.; Senderov, E.E.; Shibayeva, N.P. Geochem. Int.; 7: No. 3, 469-482(1970).
VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; CHEMICAL COMPOSITION;THERMAL WATERS

5235 RECRYSTALLIZATION OF QUARTZ IN HYDROTHERMAL FLUORINE-BEARING SOLUTIONS. Balitskiy, V.S.; Tsinober, L.I. Dokl. Earth Sci. Sect. (Engl. Transl.); 187: 128-130(1970).
QUARTZ;RECRYSTALLIZATION;FLUORINE;THERMAL WATERS

5236 CONDITIONS OF KAOLINITE FORMATION DURING ALTERATION OF SOME SILICATES BY WATER AT 200°. Oberlin, A.; Couty, R. (Cent. Rech. Solides Organ. Crist. Imparfaite Orleans-La-Source, CNRS, Fr.). Clays Clay Miner.; 18: No. 6, 347-56(1970). (In English).
SILICATES;HYDROTHERMAL ALTERATION;KAOLIN; MONTMORILLONITE;HYDROCHLORIC ACID;CLAYS;SODIUM COMPOUNDS;HYDROGEN COMPOUNDS;QUANTITY RATIO; SYNTHESIS

5237 LEVEL AND SOLUBILITY OF SILICA IN NATURAL THERMAL WATERS AND IN GAS-LIQUID INCLUSIONS OF MINERALS. Balitskii, V.S. Tr. Vses. Nauch.-Issled. Inst. Sin. Miner. Syr'ya; 12: 76-87(1970). (In Russian).
THERMAL WATERS;SILICON OXIDES;PH VALUE; QUARTZ;SOLUBILITY;SOLVENT PROPERTIES;GROUND WATER;SALINITY;INCLUSIONS;MINERALS

5238 LAUMONTITE EQUILIBRIA AND THE ZEOLITE FACIES. Thompson, A.B. Am. J. Sci.; 269: No. 3, 267-75(1970).
QUARTZ;WATER;CALCIUM SILICATES;ALUMINIUM SILICATES;ZEOLITES;EQUILIBRIUM;STABILITY; CHEMICAL REACTIONS;CHEMICAL REACTION KINETICS

5239 HYDROTHERMAL EXCHANGE AND FRACTIONATION OF SULFUR ISOTOPES IN SYNTHESIZED ZNS AND PBS. Schiller, W.R.; Gehlen, K.v.; Neilsen, H. Econ. Geol.; 65: No. 3, 350-2(1970).
SULFUR ISOTOPES;ISOTOPE RATIO;AQUEOUS SOLUTIONS;HYDROTHERMAL ALTERATION;LEAD SULFIDES; ZINC SULFIDES;SODIUM SULFIDES;HYDROGEN SULFIDES; ISOTOPE SEPARATION;SULFUR 34;SYNTHESIS; PRECIPITATION;ISOTOPE RATIO;ABUNDANCE

5240 SOLUBILITY OF GOLD IN HYDROTHERMAL ALKALINE SULFIDE SOLUTIONS. Weissberg, B.C. Econ. Geol.; 65: No. 5, 551-6(1970).
GOLD;SOLUBILITY;SODIUM SULFIDES;BROADLANDS GEOTHERMAL FIELD;WAIOTAPU GEOTHERMAL FIELD; GEOTHERMAL FLUIDS;AQUEOUS SOLUTIONS;SOLVENT PROPERTIES;PRECIPITATION;MASS TRANSFER

5241 SYNTHESIS AND STABILITY RELATIONS OF WAIRAKITE, $CAAL_2SI_4O_{12}$--$2H_2O$. Liou, J.G. Contrib. Mineral. Petrol.; 27: No. 4, 259-82(1970).
WAIRAKITE;CALCIUM SILICATES;ALUMINIUM SILICATES;WATER;QUARTZ;GEOTHERMAL FIELDS; CARBONATES;ZEOLITES;SCHISTS;GRANITES;MAGMA; PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE; SYNTHESIS;STABILITY

5242 QUARTZ DISSOLUTION AS INFLUENCED BY PH AND THE PRESENCE OF A DISTURBED SURFACE LAYER. Henderson, J.H.; Syers, J.K.; Jackson, M.L. Isr. J. Chem.; 8: No. 3, 357-72(1970).
QUARTZ;DISSOLUTION;GRINDING;PH VALUE;SILICON OXIDES

5243 GENERAL CHARACTERISTICS OF CHEMISTRY OF COUNTRY ROCK HYDROTHERMAL ALTERATION IN RARE-METAL DEPOSITS OF THE DZHIDA ORE FIELD. Ontoev, D.O. pp 207-15 of Probl. Metasomalizma, Tr. Konf. Okolorudnomu Metasomatizmu, 2nd, 1966. Moscow; ''Nedra'' (1970).
HYDROTHERMAL ALTERATION;GRANITES;QUARTZ; SODIUM OXIDES;SILICON OXIDES;IRON OXIDES; CALCIUM OXIDES;ALUMINIUM OXIDES;RARE EARTHS; FLUORINE;SULFUR;BORON;OXYGEN;HYDROGEN SULFIDES

5244 LEAD ION DIFFUSION THROUGH WATER SATURATED ROCKS. Lapukhov, A.S. pp 368-73 of Probl. Metasomatizma, Tr. Konf. Okolorudnomu Metasomatizmu, 2nd, 1966. Moscow; ''Nedra'' (1970).
MASS TRANSFER;LEAD IONS;DIFFUSION;ROCKS; WATER;SATURATION;QUARTZ;MICA;SANDSTONES;SILT; LEAD NITRATES;IGNEOUS ROCKS

5245 NATURAL-CONVECTION-CONTROLLED DISSOLUTION OF POTASSIUM CHLORIDE IN WATER: POTASSIUM CHLORIDE SOLUTIONS SATURATED AND UNSATURATED WITH SODIUM CHLORIDE. Walden, J.; McCue, A.P.; Chen, H.T. pp 371-82 of 3rd Symposium on Salt, 1969, Volume 1. Rau, J.L. (ed.). Cleveland, OH; N. Ohio Geol. Soc. (1970).
SODIUM CHLORIDES;POTASSIUM CHLORIDES;AQUEOUS SOLUTIONS;DISSOLUTION;CRYSTALLIZATION;CRYSTALS; SATURATION

5246 FORMATION MECHANISM AND COMPOSITION CHARACTERISTICS OF A HYPABYSSAL GRANITIC MASSIF (KAMCHATKA). Koloskov, A.V.; Flerov, G.B. pp 27-44 of Magma Maloglubinnykh Kamer. Rudich, K.N. (ed.). Moscow; Izd. ''Nauka''

(1970).
QUARTZ;GRANITES;GRANODIORITES;FELDSPARS; PETROLOGY;PYROXENES;BIOTITE;HORNBLENDE;IGNEOUS ROCKS;SYNTHESIS;CHEMICAL COMPOSITION;MAGMA;USSR

5247 STATE OF SILICON IN AQUEOUS SOLUTIONS. Sretenskaya, N.G. pp 31-40 of Eksp. Issled. Protsessov Mineraloobrazov. Ovchinnikov, L.N. (ed.). Moscow; Izd. ''Nauka'' (1970).
PH VALUE;SILICON OXIDES;SILICIC ACID;AQUEOUS SOLUTIONS;CHEMICAL COMPOSITION;POLYMERIZATION

5248 PHYSICOCHEMICAL CONDITIONS OF FORMATION OF SECONDARY QUARTZITES AND SULFIDE DEPOSITS RELATED TO THEM. Pavlov, A.L. Probl. Metasomatizma; 78-89(1970).
QUARTZITES;CHEMICAL REACTION KINETICS;MEDIUM TEMPERATURE;SULFIDES;MINERALS;THERMODYNAMICS; EQUATIONS;PH VALUE;SYNTHESIS

5249 COMPOSITION, INTERNAL STRUCTURE, AND SOME PROPERTIES OF HYDROTHERMAL ORE-FORMING SOLUTIONS. Ovchinnikov, L.N.; Masalovich, A.M. pp 25-33 of Probl. Metasomatizma, Tr. Konf. Okolorudnomu Metasomatizmu, 2nd 1966. Moscow; ''Nedra'' (1970).
THERMAL WATERS;SOLVENT PROPERTIES;CHEMICAL COMPOSITION;CHEMICAL REACTION KINETICS;ORES; TUNGSTEN;MOLYBDENUM;TIN;GOLD;COBALT;COPPER;LEAD; ZINC;POLYMERS

5250 INFRARED SPECTROSCOPY AND ALTERATION PROCESSES IN CONNECTION WITH HYDROTHERMAL MINERALIZATION. Reh, H. pp 278-82 of Probl. Hydrothermal Ore Deposition, Symposium 1967. Pouba, Z. (ed.). Stuttgart, Germany; Schweizerbart'sche Verlagsbuchhandlung (1970).
HYDROTHERMAL SYNTHESIS;MINERALIZATION;CLAYS; SPECTROSCOPY;INFRARED SPECTRA

5251 STABILITY OF PARAGONITE AT P/SUB H_2O/ = P/SUB S/ = 1000 KG/CM². Gusynin, V.F.; Ivanov, I.P. Dokl. Akad. Nauk SSSR; 197: No. 5, 1169-70(1971).
MICA;STABILITY;QUARTZ;WATER;EQUILIBRIUM; DEHYDRATION;CHEMICAL REACTIONS;CHEMICAL REACTION KINETICS

5252 THERMODYNAMIC CONDITIONS FOR THE SERPENTINIZATION OF ULTRABASIC ROCKS. Malakhov, I.A. (Inst. Geol. Geokhim. im. Zavvaritskogo, Sverdlovsk, USSR). Dokl. Akad. Nauk SSSR; 200: No. 1, 212-14(1971).
THERMODYNAMICS;ROCKS;MAGNESIUM SILICATES; IRON SILICATES;EPIDOTES;AMPHIBOLE;VERY HIGH PRESSURE;HIGH TEMPERATURE;SYNTHESIS; HYDROTHERMAL ALTERATION;OLIVINE

5253 GEOCHEMISTRY OF THE HYDROTHERMAL ORE-FORMING PROCESSES. Barsukov, V.L. Moscow; Union of Soviet Socialist Republics (USSR); Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1971). 228p.
GEOCHEMISTRY;ORES;SYNTHESIS;THERMAL WATERS

5254 SOLUBILITY AND SOLVATION REACTIONS OF QUARTZ IN DILUTE HYDROTHERMAL SOLUTIONS. Crerar, D.A.; Anderson, G.M. Chem. Geol.; 8: No. 2, 107-122(1971).
SOLVENT PROPERTIES;QUARTZ;SOLUBILITY; SOLVATION;THERMAL WATERS;CHEMICAL REACTIONS

5255 ALKALI ION EXCHANGE REACTION BETWEEN ALKALI FELDSPARS AND HYDROTHERMAL SOLUTIONS; REPLACEMENT VS. CATION EXCHANGE. Petrovic, R.; Skinner, B.J. Geol. Soc. Am., Bull.; 3: No. 7, 669(1971).
FELDSPARS;ION EXCHANGE;CHEMICAL REACTIONS; THERMAL WATERS

5256 EXPRESSIONS FOR CALCULATING THE SOLUBILITIES OF METAL SULFIDES IN HYDROTHERMAL SOLUTIONS. Nriagu, J.O. Can. J. Earth Sci.; 8: No. 7, 813-819(1971).
THERMAL WATERS;SOLVENT PROPERTIES;SULFIDES; SOLUBILITY;METALS

5257 LAUMONTITE AND POTASSIUM FELDSPAR PSEUDOMORPHS AFTER LAUMONTITE IN DRUSES OF SPILITES FROM HERBORNSEELBACH (LAHN-DILL REGION). Vieten, K. (Univ. Bonn, Bonn, Ger.). Aufschluss; 22: No. 3, 87-96(1971). (In German).
FELDSPARS;ZEOLITES;HYDROTHERMAL ALTERATION; QUARTZ;BASALT

5258 HEAT EFFECTS OF WATER SEPARATION AND SILICATE MELTING IN WATER-SILICATE SYSTEMS AT HIGH PRESSURES. Kadik, A.A. (V.I. Vernadskii Inst. Geochem. Anal. Chem., Moscow, USSR). Geokhimiya; No. 3, 294-301(1971). (In Russian).
WATER;SILICATES;MELTING;VERY HIGH PRESSURE; PHASE TRANSFORMATIONS;EUTECTICS

5259 HYDROTHERMAL SERPENTINIZATION OF DOLOMITES IN THE KURGASHINKAN DEPOSIT. Kliblei, G.K. (Inst. Geol. Geofiz. im. Abdullaeva, Tashkent, USSR). Uzb. Geol. Zh.; 15: No. 1, 56-9(1971). (In Russian).
HYDROTHERMAL ALTERATION;DOLOMITE;IGNEOUS ROCKS;MAGNESIUM;CALCITE

5260 PRESENT STATUS OF THE ZEOLITE FACIES. Coombs, D.S. (Geol. Dep., Univ. Otago, Dunedin, N.Z.). Adv. Chem. Ser.; 101(Molecular Sieve Zeolites-I): 317-27(1971). (In English).
ZEOLITES;DIAGENESIS;METAMORPHISM; HYDROTHERMAL ALTERATION;WAIRAKITE;CALCIUM SILICATES;ALUMINIUM SILICATES;CLAYS;CARBONATES; PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE

5261 PROCESSES OF HYDROTHERMAL ALTERATION AND METALLOGENESIS ASSOCIATED WITH BANATITIC ROCKS OF MOLDOVA NOUA (BANAT). Georghita, I. (Bucharest, Rom.). Acta Geol. Acad. Sci. Hung.; 15: 5-12(1971). (In French).
HYDROTHERMAL ALTERATION;FELDSPARS; MINERALIZATION;PYRITES;SPHALERITES;SILICON OXIDES;GALENA;CHALCOPYRITE;VOLCANIC ROCKS; ANHYDRITE

5262 CORRELATION BETWEEN MINERALIZATION AND HYDROTHERMAL ALTERATION IN THE MINING REGION OF BAITA-NISTRU (MARAMURES DEPARTMENT. Manilici, V.; Stiopol, V. (Bucharest, Rom.). Acta Geol. Acad. Sci. Hung.; 15: 27-32(1971). (In French).
HYDROTHERMAL ALTERATION;PYRITES;COPPER;LEAD; ZINC;GOLD;SILVER;FELDSPARS;ORES;POTASSIUM; MINERALIZATION

5263 EXPRESSIONS FOR CALCULATING THE SOLUBILITIES OF METAL SULFIDES IN HYDROTHERMAL SOLUTIONS. Nriagu, J.O. (Canada Cent. Inland Waters, Burlington, Ont.). Can. J. Earth Sci.; 8: No. 7, 813-19(1971). (In English).
THERMAL WATERS;SULFIDES;SOLUBILITY;METALS; CHEMICAL REACTIONS;SOLVENT PROPERTIES

5264 PHASE EQUILIBRIUMS IN THE SYSTEM $NAALSI_3O_8$-$NAALSIO_4$-H_2O UP TO 15 KILOBARS. THEORETICAL DISCUSSION. Kim, K.T. (Dep. Geol., McMaster Univ., Hamilton, Ont.). Can. J. Earth Sci.; 8: No. 5, 549-57(1971). (In English).
SODIUM SILICATES;ALUMINIUM SILICATES;PHASE STUDIES;EQUILIBRIUM;VERY HIGH PRESSURE;WATER

5265 GENESIS OF THE KAOLIN DEPOSIT TRES PICOS, DEPARTMENT OF HUILICHES, PROVINCE OF NEUQUEN, REPUBLIC OF ARGENTINA. Hayase, K.; Maiza, P.J. (Dep. Geol., Univ. Nac. Sur, Bahia Blanca, Argent.). Rev. Asoc. Geol. Argent.; 26: No. 1, 75-87(1971). (In Spanish).
KAOLIN;ORIGIN;TUFF;HYDROTHERMAL ALTERATION; VOLCANIC ROCKS;MONTMORILLONITE;ALUMINIUM SILICATES;X-RAY DIFFRACTION;DIFFERENTIAL THERMAL ANALYSIS;THERMAL GRAVIMETRIC ANALYSIS; MICROSCOPY

5266 HIGH-TEMPERATURE SYNTHESIS OF NEPHELINE AND SODALITE BASED ON KAOLIN. Varlamov, V.I.; Komarov, V.S. (Inst. Obshch. Neorg. Khim., Minsk, USSR). Vestsi Akad. Navuk Belarus. SSR, Ser. Khim.; No. 1, 113-15(1971). (In Russian).
KAOLIN;SYNTHESIS;SODIUM CARBONATES;SODIUM CHLORIDES;MELTING;CRYSTALLOGRAPHY;HYDROTHERMAL ALTERATION;VOLCANIC ROCKS;ALUMINIUM SILICATES; SYNTHESIS

5267 GRAPHICAL REPRESENTATION OF SULFIDE-SILICATE PHASE EQUILIBRIA. Froese, E. Econ. Geol.; 66: No. 2, 335-41(1971).
IRON SILICATES;MAGNESIUM SILICATES;OXIDATION; SULFIDES;PHASE DIAGRAMS;PHASE STUDIES;IRON SULFIDES

5268 SOLUBILITY OF WATER IN MELTS IN THE SYSTEM $NAALSI_3O_8$--$NAALSIO_4$--H_2O. Kim, K.-T.; Burley, B.J. Can. J. Earth Sci.; 8: No. 5, 558-71(1971).
WATER;SOLUBILITY;SODIUM SILICATES;ALUMINIUM SILICATES;PHASE STUDIES;VERY HIGH PRESSURE

5269 UTILIZATION OF X-RAY DIFFRACTOMETRY FOR EXPLAINING THE DTA PEAKS IN THE CALCIUM OXIDE--SILICON DIOXIDE--CARBON DIOXIDE WATER SYSTEM. Sauman, Z.; Lach, V. (Res. Inst. Build. Mater., Brno, Czech.). Silikaty; 15: No. 2, 119-26(1971).
CALCIUM OXIDES;SILICON OXIDES;CARBON DIOXIDE; DIFFERENTIAL THERMAL ANALYSIS;X-RAY DIFFRACTION; QUARTZ;SYNTHESIS;WATER

5270 SOIL SOLUTION AND STABILITY OF CLAY MINERALS. Kittrick, J.A. (Coll. Agric., Washington State Univ., Pullman, WA). Soil Sci. Soc. Am., Proc.; 35: No. 3, 450-4(1971).
CLAYS;SOILS;SOLUTIONS;STABILITY;SILICATES; MONTMORILLONITE;KAOLIN;SILICON OXIDES;CHEMICAL PROPERTIES;SOLUBILITY

5271 PRESENT-DAY ZEOLITIC DIAGENESIS OF THE NEOGENE GEOSYNCLINAL DEPOSITS IN THE NIIGATA OIL FIELD, JAPAN. Utada, M. (Geol. Inst., Univ. Tokyo, Tokyo, Japan). Adv. Chem. Ser.; 101 (Molecular Sieve Zeolites-1): 342-9(1971).
ZEOLITES;JAPAN;DIAGENESIS;GEOLOGIC DEPOSITS; TUFF;QUARTZ;CLINOPTILOLITE;GEOTHERMOMETRY;GLASS; HYDROTHERMAL ALTERATION;TUFF;SEDIMENTARY ROCKS

5272 STABILITY OF CALCIUM GARNETS AND HEDENBERGITE ALONG WITH MAGNETITE IN SODIUM AND POTASSIUM CHLORIDE SOLUTIONS. Malinovskii, I.Yu. pp 132-42 of Tr. Soveshch. Eksp. Tekh. Mineral. Petrogr., 8th, 1968. Lapin, V.V. (ed.). Moscow, USSR; ''Nauka'' (1971).
At 400 to 700° and 1000 atm. HEDENBERGITE; GARNETS;SODIUM CHLORIDES;POTASSIUM CHLORIDES; HIGH TEMPERATURE;HIGH PRESSURE;ANDRADITE; MAGNETITE;STABILITY;AQUEOUS SOLUTIONS;ROCK-FLUID INTERACTIONS

5273 EVOLUTION OF PHYSICOCHEMICAL PARAMETERS IN HYDROTHERMAL SYSTEMS DURING ORE FORMATION. Pavlov, A.L. (Inst. Geol. Geogr., Novosibirsk, USSR). pp 124-34 of Kinet. Din. Geokhim. Protsessov, Tr. Semin., 1st. Golubev, V.S. (ed.). Moscow; Vses. Nauch.-Issled. Inst. Miner. Syr'ya (1971).
HYDROTHERMAL SYSTEMS;CHEMICAL PROPERTIES; PHYSICAL PROPERTIES;PH VALUE;ORES;SYNTHESIS; MINERALIZATION;MINERALS;HYDROTHERMAL SYNTHESIS

5274 ROLE OF WATER IN ROCK DISINTEGRATION. Chorley, R.J. (Cambridge Univ., England. Dept. of Geography). pp 53-73 of Introduction to Fluvial Processes. London; Methuen (1971).
ROCK-FLUID INTERACTIONS;CHEMICAL REACTIONS; DECOMPOSITION;CHEMICAL PROPERTIES;METAMORPHIC ROCKS;IGNEOUS ROCKS;HYDROLYSIS;SEDIMENTARY ROCKS;EROSION;THERMAL WATERS;OXIDATION

5275 PARTICIPATION OF CONCENTRATED BRINES IN THE FORMATION OF HYDROTHERMAL SOLUTIONS. Pukhnarevich, M.M. (Inst. Zemnoi Kory, Irkutsk, USSR). pp 87-9 of Podzemn. Vody Sib. Dal'nego Vostoka, Dokl. Soveshch. 1967. Lomonosov, I.S. (ed.). Moscow; 'Nauka' (1971).
BRINES;THERMAL WATERS;HIGH TEMPERATURE;IRON ORES;SYNTHESIS;HYDROTHERMAL ALTERATION;CHEMICAL COMPOSITION

5276 APPROXIMATE EVALUATION OF THE PH OF HYDROTHERMAL SOLUTIONS IN EQUILIBRIUM WITH COUNTRY ROCKS OF ACID COMPOSITION. Masalovich, A.M.; Ovchinnikov, L.N. (Inst. Miner., Geokhim. Kristallokhim. Redk. Elem., Moscow). Tr. Vses. Nauch.-Issled. Inst. Sin. Miner. Syr'ya; 14: 109-13(1971).
THERMAL WATERS;PH VALUE;ROCKS;EQUILIBRIUM; REACTION KINETICS;POTASSIUM CHLORIDES; HYDROCHLORIC ACID;CHEMICAL REACTIONS;SOLUTIONS

5277 REACTION OF SILICA WITH ALKALINE EARTH SALTS UNDER NATURAL CONDITIONS. Rezapova, N.M. Tr. Sib. Nauch.-Issled. Inst. Geol., Geofiz. Miner. Syr'ya; No. 121, 154-6(1971).
AQUEOUS SOLUTIONS;SILICON OXIDES; PRECIPITATION;MAGNESIUM CHLORIDES;CALCIUM CHLORIDES;SODIUM SILICATES;CHEMICAL REACTIONS

5278 EQUILIBRIUM BETWEEN HYDROTHERMAL SOLUTIONS AND FELDSPARS OF THE SERIES $KALSI_3O_8$-$RBALSI_3O_8$, AT 600°C AND PRESSURE OF 1000 BARS. Ghelis, M.; Lagache, M. Soc. Fr. Mineral. Cristallogr., Bull.; 95: No. 1, 157-158(1972).
CHEMICAL REACTION KINETICS;FELDSPARS; EQUILIBRIUM;HIGH TEMPERATURE;HIGH PRESSURE; THERMAL WATERS;HYDROTHERMAL SYSTEMS;PHASE STUDIES;THERMODYNAMICS;SILICATES

5279 ROLE OF PH OF HYDROTHERMAL SOLUTIONS IN THE FORMATION OF BOROSILICATES. Lisitsyn, A.Ye. Geokhim. (Akad. Nauk SSSR); No. 11, 1389-1392(1972).
PH VALUE;SYNTHESIS;BORON SILICATES;THERMAL

WATERS

5280 HYDROTHERMAL ORE DEPOSITS. TYPOMORPHIC MINERALS OF RECENT HYDROTHERMAL SYSTEMS. Naboko, S.I. pp 240-4 of Tipomorfizm Miner. Ego Prakt. Znachenie. Chukhrov, F.V. (ed.). Moscow; ''Nedra'' (1972).
ROCKS;HYDROTHERMAL ALTERATION; MONTMORILLONITE;CHLORITE MINERALS;MICA;ZEOLITES; QUARTZ;MINERALS;SYNTHESIS;DEPTH;HIGH TEMPERATURE;ORES;GEOLOGIC DEPOSITS;EPIDOTES; FELDSPARS;ALUMINIUM SILICATES;CALCIUM SILICATES; TITANIUM SILICATES;SULFIDES

5281 INTERRELATION BETWEEN SECONDARY QUARTZITES AND HYDROTHERMAL FORMATIONS OF OTHER TYPES. Alekseeva, L.K. pp 133-7 of Geol. Metallog. Sev. Pribalkhash'ya. Esenov, Sh.E. (ed.). Alam-Ata; ''Nauka'' Kaz. SSR (1972).
QUARTZITES;HYDROTHERMAL ALTERATION;QUARTZ; HEMATITE;TOURMALINE

5282 HYDROTHERMAL SYNTHESIS OF ALKALI FELDSPARS. Shoji, T. (Fac. Eng., Univ. Tokyo, Tokyo, Japan). Kozan Chishitsu; 22: No. 3, 265-71(1972).
FELDSPARS;SYNTHESIS;TEMPERATURE DEPENDENCE; HIGH PRESSURE;THERMAL WATERS;SILICON OXIDES; GLASS;ANALCIME

5283 HYDROTHERMAL DIOCTAHEDRAL ILLITE FROM KARLOV IN NORTHERN MORAVIA. Policky, J.; Martinec, P. (Horn.-Geol. Fak., Vys. Sk. Banske, Ostrava, Czech.). Sb. Ved. Pr. Vys. Sk. Banske Ostrave, Rada Horn.-Geol.; 18: No. 4, 109-14(1972).
MINERALIZATION;SYNTHESIS;ILLITE;IRON;CALCIUM CARBONATES

5284 FORMATION OF CLAY. II. HYDROTHERMAL CLAY DEPOSITS. Iwao, S. (Fac. Sci., Univ. Tokyo, Tokyo, Japan). 12: No. 2, 81-95(1972).
THERMAL WATERS;CHEMICAL COMPOSITION;GEOLOGIC DEPOSITS;CLAYS;HYDROTHERMAL ALTERATION; SYNTHESIS;ROCKS

5285 EXPERIMENTAL AND THEORETICAL STUDY OF MINERAL EQUILIBRIUMS IN SYSTEMS WITH COMPLETE COMPONENT MOBILITY. Zharikov, V.A.; Ivanov, I.P. (Inst. Exp. Mineral., Chernogolovka, USSR). Geokhimiya; No. 1, 35-49(1972).
H_2O--HCl--NaCl--Al_2O_3--SiO_2 and H_2O--HCl--KCl--Al_2O_3--SiO_2 systems. MINERALS;EQUILIBRIUM; THERMODYNAMICS;SILICON OXIDES;ALUMINIUM OXIDES; HYDROCHLORIC ACID;SODIUM CHLORIDES;POTASSIUM CHLORIDES;PETROGENESIS

5286 MATHEMATICAL MODELING OF HYDROTHERMAL SYSTEMS IN THE PRESENCE OF FILTRATION PROCESSES. Kochergin, V.N. Ezheg., Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR; 1971: 333-7(1972).
HYDROTHERMAL SYSTEMS;MATHEMATICAL MODELS; MASS TRANSFER;HEAT TRANSFER;FILTRATION; DIFFUSION;CHEMICAL REACTIONS

5287 GEOCHEMICAL SIGNIFICANCE IN THE HYDROGEOCHEMICAL BEHAVIOR OF GALLIUM AND GERMANIUM IN THE HOT-SPRING WATER-ROCK SYSTEM. Pencheva, E.N. (Inst. Geol., Sofia, Bulg.). C. R. Acad. Bulg. Sci.; 25: No. 9, 1257-60(1972).
ROCKS;GEOCHEMISTRY;GALLIUM;GERMANIUM;HOT SPRINGS;THERMAL WATERS;CHEMICAL REACTIONS

5288 ARTIFICIAL ALTERATION OF A COMMON HORNBLENDE INTO CLAY MINERALS BY HYDROTHERMAL CONDITIONS. Tateyama, H.; Shimoda, S.; Sudo, T. (Tokyo Univ. Educ., Tokyo, Japan). Ganseki Kobutsu Kosho Gakkaishi; 67: No. 2, 35-44(1972).
HYDROTHERMAL ALTERATION;HORNBLENDE;MICA; SODIUM HYDROXIDES;CLAYS;HYDROTHERMAL SYNTHESIS; MAGNESIUM CARBONATES

5289 THERMODYNAMIC AND EXPERIMENTAL DATA ON THE FORMATION OF QUARTZ-FLUORITE HYDROTHERMAL DEPOSITS. Shcherban, I.P. Mater. Genet. Eksp. Mineral.; 7: 135-41(1972).
THERMODYNAMIC PROPERTIES;QUARTZ;CALCIUM CARBONATES;FLUORITE;HYDROTHERMAL SYSTEMS; HYDROTHERMAL SYNTHESIS;PH VALUE;HIGH TEMPERATURE;SILICON OXIDES;GEOLOGIC DEPOSITS

5290 TRANSFORMATION OF NATURAL CLAY MINERALS AT ELEVATED PRESSURES AND TEMPERATURES. Velde, B.; Bystrom-Brusewitz, A.M. (Lab. Petrogr., Univ. Paris VI., Paris, France). Geol. Foeren. Stockh. Foerh.; 94: No. 3, 449-58(1972).
CLAYS;HYDROTHERMAL ALTERATION;HIGH TEMPERATURE;HIGH PRESSURE;STABILITY

5291 EFFECT OF ANIONS ON TRANSFORMATIONS OF KAOLINITE AND MONTMORILLONITE IN POTASSIUM-CONTAINING HYDROTHERMAL MEDIA. Frank-Kamenetskii, V.A.; Kotov, N.V.; Goilo, E.A.; Nguyen Tat Chan. Kokorina, L.P. Vestn. Leningr. Univ., Geol., Geogr.; No. 4, 67-80(1972).
At 150 to 650°, 1 to 2 Kbar. POTASSIUM SULFATES;POTASSIUM CHLORIDES;KAOLIN; MONTMORILLONITE;PHASE TRANSFORMATIONS;SILICATES; HYDROTHERMAL SYNTHESIS;HYDROTHERMAL ALTERATION; HIGH TEMPERATURE;HIGH PRESSURE

5292 CONCEPTS RELATING ANHYDRITE DEPOSITION TO SOLUTION FLOW IN HYDROTHERMAL SYSTEMS. Norton, D. (Kennecott Explor., Salt Lake City, UT). pp 237-44 of Int. Geol. Congr., Rep. Sess., 24th. Volume 10. (1972).
HYDROTHERMAL SYSTEMS;FLUID FLOW;CALCIUM SULFATES;ANHYDRITE;COPPER;MOLYBDENUM;GEOLOGIC DEPOSITS;PH VALUE;HYDROTHERMAL ALTERATION; SOLUTIONS;GEOLOGIC DEPOSITS;DEPOSITION;HIGH TEMPERATURE;CHLORIDES;SULFATES;HYDROTHERMAL SYNTHESIS

5293 CARBON DIOXIDE OF HYDROTHERMAL SOLUTIONS. Naumov, G.B.; Mironova, O.F. (Inst. Geokhim. Anal. Khim. im. Vernadskogo, Moscow). pp 166-72 of Ocherki sovrem. geokhim. anal. khim. Tugarinov, A.I. (ed.). Moscow; Nauk' (1972).
VOLCANOES;FUMAROLIC FLUIDS;GASES;CARBON DIOXIDE;HYDROTHERMAL SYSTEMS;CRYSTALLIZATION; CARBONATES;TEMPERATURE DEPENDENCE

5294 DOUBLE SALT COMPOSED OF POTASSIUM CHLORIDE AND CALCIUM CHLORIDE. Matsuo, T.; Takeda, A. (Cent. Res. Inst., Japan Monopoly Corp., Tokyo, Japan). Nippon Kaisui Gakkaishi; 25: No. 138, 406-9(1972).
Equilibrium at 50 and 75°. POTASSIUM CHLORIDES;CALCIUM CHLORIDES;WATER;EQUILIBRIUM; MIXTURES;CHEMICAL ANALYSIS

5295 EXPERIMENTAL STUDY OF THE ZINC--IRON--SULFUR SYSTEM UNDER HYDROTHERMAL CONDITIONS. Ptitsyn, A.B. Mater. Genet. Eksp. Mineral.; 7: 5-13(1972).

ZINC;IRON;SULFUR;HIGH TEMPERATURE;SPHALERITE; PYRITE;IRON METEORITES;ZINC OXIDES;MAGNETITE; CRYSTALLIZATION

5296 SOLUBILITY OF MINERALS IN CHLORIDE HYDROTHERMAL SOLUTIONS. Ikornikova, N.Yu.; Vasil'chikova, I.A.; Antoshin, A.V. Geol. Rud. Mestorozhd.; 15: No. 5, 88-98(1973).
CHLORIDES;MINERALS;SOLUBILITY;SOLVENT PROPERTIES;THERMAL WATERS

5297 INFLUENCE OF COMPLEXING ON THE CONDITIONS OF HYDROTHERMAL PRECIPITATION OF LEAD SULFIDE. Baranova, N.N. Geokhim. (Akad. Nauk SSSR); No. 7, 1085-1088(1973).
COMPLEXES;LEAD SULFIDES;PRECIPITATION; THERMAL WATERS;SOLVENT PROPERTIES

5298 SYNTHESIS AND STABILITY RELATIONS OF EPIDOTE, $CA_2AL_2FESI_3O_{12}(OH)$. Liou, J.G. J. Petrol.; 14: No. 3, 381-413(1973).
MINERALS;SYNTHESIS;CALCIUM COMPOUNDS; ALUMINIUM COMPOUNDS;IRON COMPOUNDS;SILICON OXIDES;HYDROXIDES;EPIDOTES;STABILITY; EQUILIBRIUM;CHEMICAL PROPERTIES

5299 CLAY MINERALS OF HYDROTHERMALLY ALTERED SEDIMENTS. Gorbunova, Z.N. (Inst. Okeanol., Moscow, USSR). Litol. Polez. Iskop.; No. 6, 45-51(1973). (In Russian).
HYDROTHERMAL ALTERATION;CLAYS;SEDIMENTS; ZEOLITES;SHALES;IRON OXIDES;MANGANESE OXIDES; LITHOLOGY;MONTMORILLONITE;ILLITE;CHLORITE MINERALS;VERMICULITE;DRILL CORES;CHEMICAL ANALYSIS;ABUNDANCE;MINERALS

5300 KINETICS OF HYDROTHERMAL REACTIONS NEAR THE MONOVARIANT EQUILIBRIUM LINE AND A METHOD OF ESTIMATING EQUILIBRIUM. Kalinin, D.V.; Ogneva, V.K. Dokl. Akad. Nauk SSSR; 213: No. 4, 930-2(1973).
AQUEOUS SOLUTIONS;GEOCHEMISTRY;MAGNESIUM SILICATES;PYROXENES;SYNTHESIS;CHEMICAL REACTION KINETICS;EQUILIBRIUM;MINERALS;SODIUM CHLORIDES; TALC

5301 STABILITY OF METAMORPHIC BIOTITE PARAGENESIS. Hoschek, G. Tschermaks Mineral. Petrogr. Mitt.; 20: No. 1, 48-58(1973).
BIOTITE;SYNTHESIS;ORIGIN;SILICATES; METAMORPHISM;CHLORITE MINERALS;FELDSPARS; MUSCOVITE;QUARTZ;PHASE STUDIES;EQUILIBRIUM

5302 RELATION OF THE SODIUM-POTASSIUM RATIO IN THERMAL WATERS TO THE EQUILIBRIA OF FELDSPARS AND ANALCITE. Senderov, E.E. Geokhimiya; No. 12, 1831-7(1973).
THERMAL WATERS;GEOCHEMISTRY;POTASSIUM;SODIUM; FELDSPARS;EQUILIBRIUM;MINERALS;ROCKS; HYDROTHERMAL ALTERATION;BUFFERS;QUANTITY RATIO; BASALT;ALUMINIUM SILICATES;CHEMICAL REACTIONS; PHASE STUDIES

5303 MODE FOR FELDSPATHIZATION IN SHEAR ZONES. Wintsch, R.P. Geol. Soc. Am., Bull.; 5: No. 7, 866-7(1973).
FELDSPARS;HYDROTHERMAL ALTERATION;SILICON OXIDES;MINERALS;MICA;SILICATES;GEOCHEMISTRY; SYNTHESIS

5304 CONCENTRATION OF ORE ELEMENTS IN HYDROTHERMAL SOLUTIONS AND CONDITIONS OF THEIR PRECIPITATION. Baranova, N.N.; Sushchevskaya, T.M. (Inst. Geokhim. Anal. Khim. im. Vernadskogo, Moscow, USSR). pp 531-41 of Mezhdunar. Geokhim. Kongr., (Dokl.), 1st, 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1973).
GEOLOGIC DEPOSITS;ORES;PRECIPITATION;REVIEWS; HYDROTHERMAL SYSTEMS

5305 ION EXCHANGE AS A FACTOR OF GEOCHEMICAL DIFFERENTIATION OF ELEMENTS UNDER HYDROTHERMAL CONDITIONS. Chelishchev, N.F. (Inst. Mineral., Geokhim. Kristallokhim. Redk. Elem., Moscow). pp 301-11 of Mezhdunar. Geokhim. Kongr., (Dokl.), 1st, 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1973).
MINERALS;SYNTHESIS;MINERALIZATION;ION EXCHANGE;HYDROTHERMAL ALTERATION;HYDROTHERMAL SYSTEMS;GEOCHEMISTRY

5306 SOLUBILITY OF MUSCOVITE UNDER HYDROTHERMAL CONDITIONS. Struebel, G. pp 225-41 of Mezhdunar. Geokhim. Kongr., (Dokl.), 1st, 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1973).
MUSCOVITE;SOLUBILITY;TEMPERATURE DEPENDENCE; HIGH TEMPERATURE;VERY HIGH PRESSURE;PHASE TRANSFORMATIONS;CRYSTALLIZATION;SILICON OXIDES; POTASSIUM OXIDES;ALUMINIUM OXIDES

5307 THERMAL PRECIPITATION IN AQUEOUS SOLUTIONS. Kwok, O.J.; Robins, R.G. (Sch. Chem. Eng., Univ. New South Wales, Kensington, Australia). pp 1033-80 of International Symposium on Hydrometallurgy, 2nd, 1973. Evans, D.J.I. (ed.). New York; AIME (1973).
HIGH TEMPERATURE;AQUEOUS SOLUTIONS; PRECIPITATION;PH VALUE;HYDROLYSIS;SULFATES; OXIDES;HYDROXIDES;METALS;COPPER;IRON;NICKEL; ZINC;CADMIUM;CHROMIUM;CHEMICAL REACTION KINETICS;SEPARATION PROCESSES

5308 EVOLUTION OF PHYSICOCHEMICAL CONDITIONS DURING THE HYDROTHERMAL MINERALIZATION STAGE. Grigorchuk, Gy.U.; Ivasiv, S.M. (Lvov. Gos. Univ. im. Franko, Lvov, USSR). Mineral. Sb. (Lvov); 27: No. 4, 316-18(1973).
MINERALIZATION;VARIATIONS;PH VALUE; TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;TIME DEPENDENCE;MINERALS;SYNTHESIS;THERMAL WATERS; HYDROTHERMAL STAGE;FELDSPARS

5309 MIXED-LAYER MINERAL OF ILLITE AND MONTMORILLONITE FROM MARUO, KAGOSHIMA PREFECTURE, JAPAN. Muchi, M.; Nonaka, T. (Fukuoka Univ. Educ., Fukuoka, Japan). Fukuoka Kyoiku Daigaku Kiyo, Dai-3-Bu, Rika-Hen; 23: 91-102(1973).
JAPAN;ILLITE;MONTMORILLONITE;PYROXENES;X-RAY DIFFRACTION;CHEMICAL ANALYSIS;ALUMINIUM OXIDES; MAGNESIUM OXIDES;CALCIUM OXIDES;IRON OXIDES; DIFFERENTIAL THERMAL ANALYSIS;HOT SPRINGS; HYDROTHERMAL ALTERATION;SYNTHESIS

5310 COMPLEXING IN THE CHLORIDE HYDROTHERMAL SYSTEM GOLD+QUARTZ. Vilor, N.V.; Kaz'min, L.A. Ezheg., Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR; 1972: 360-4(1973).
GOLD;SILICON OXIDES;WATER;SODIUM CHLORIDES; HYDROCHLORIC ACID;SODIUM HYDROXIDES;SOLUBILITY; HIGH TEMPERATURE;OXIDATION;GOLD COMPLEXES; QUARTZ;HYDROLYSIS;GOLD CHLORIDES;CHEMICAL REACTIONS;SYNTHESIS;PHASE STUDIES;HYDROLYSIS; AQUEOUS SOLUTIONS

5311 HYDROTHERMAL ARGILLIZATION OF UPPER

SANTONIAN VOLCANIC ROCKS AND ITS ROLE IN THE FORMATION OF SARIGYUKH BENTONITES IN THE ARMENIAN SSR. Rateev, M.A.; Gradusov, B.P.; Il'inskaya, M.N. (Geol. Inst., Moscow). Izv. Akad. Nauk SSSR, Ser. Geol.; No. 12, 41-56(1973).
VOLCANIC ROCKS;HYDROTHERMAL ALTERATION; MONTMORILLONITE;SYNTHESIS;BENTONITE;SANDSTONES; MINERALIZATION;QUARTZ;GLASS

5312 MICROMECHANISM AND LIMITING STAGE OF HYDROTHERMAL REACTIONS OF SILICATE FORMATION. Kalinin, D.V.; Shurupov, Yu.V.; Shvedenkov, G.Yu.; Ogneva, V.K. (Inst. Geol. Geophys., Novosibirsk, USSR). Geokhimiya; No. 4, 529-36(1973).
SILICATES;CHEMICAL REACTIONS;REACTION KINETICS;NUCLEATION;THERMAL WATERS;HYDROTHERMAL SYSTEMS;CRYSTALLIZATION;CRYSTAL GROWTH; SYNTHESIS

5313 CHEMICAL EVOLUTION OF HYDROTHERMAL SOLUTIONS AT RYUJIMA, JAPAN. Tsusue, A. (Univ. Kumamoto, Kumamoto, Japan). pp 165-73 of Proceedings of Symposium on Hydrogeochemistry and Biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
89° and 163°, distribution coefficients. QUARTZ;CALCITE;SODIUM CHLORIDES;DEPOSITION; CALCIUM CARBONATES;PRECIPITATION;AQUEOUS SOLUTIONS

5314 EXPERIMENTAL STUDIES ON THE REACTION BETWEEN ROCKS AND HOT SPRINGS. Minami, E.A.; Yamada, H.; Ossaka, J.; Ossaka, T.; Hirabayashi, J.; Ohira, Y. (Tokyo Inst. Technol., Tokyo, Japan). pp 153-64 of Proceedings of Symposium on Hydrogeochemistry and Biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
ROCKS;HOT SPRINGS;THERMAL WATERS;FUMAROLIC FLUIDS;LEACHING;ANDESITE;HYDROTHERMAL ALTERATION;SULFURIC ACID

5315 RATE OF DISSOLUTION OF SILICON DIOXIDE UNDER HYDROTHERMAL CONDITIONS IN SOLUTIONS OF VARIOUS CHEMICAL SUBSTANCES. Omar, Y.; Butt, Yu.M.; Vorob'eva, M.A. Tr. Mosk. Khim.-Tekhnol. Inst.; 76: 150-2(1973).
25 to 175°. SILICON OXIDES;DISSOLUTION; AQUEOUS SOLUTIONS;MEDIUM TEMPERATURE;SOLUBILITY; IRON CHLORIDES;ALUMINIUM CHLORIDES;CALCIUM CHLORIDES;SODIUM CHLORIDES;SODIUM NITRATES

5316 SOLUBILITY OF SAND PARTICLES WITH MECHANICALLY ACTIVATED SURFACE UNDER HYDROTHERMAL CONDITIONS. Omar, Y.; Butt, Yu.M.; Vorob'eva, M.A. Tr. Mosk. Khim.-Tekhnol. Inst.; 76: 153-5(1973).
25 to 175°. SOLUBILITY;SILICON OXIDES; EQUILIBRIUM;DISSOLUTION;MEDIUM TEMPERATURE; AQUEOUS SOLUTIONS;ABSORPTION SPECTROSCOPY; SURFACES

5317 PHYSICOCHEMICAL CONDITIONS IN HYDROTHERMAL MINERAL FORMATION FROM THE STANDPOINT OF HEAT AND MASS TRANSFER. Dampura, V.D.; Kochergin, V.N.; Balyshev, O.A. (Inst. Geokhim., Irkutsk, USSR). pp 480-90 of Mezhdunar. Geokhim. Kongr., [Dokl.], 1st, 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow, USSR; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1973).
HYDROTHERMAL SYSTEMS;MINERALS;MINERALIZATION; HEAT TRANSFER;MASS TRANSFER;CHEMICAL REACTIONS; MATHEMATICAL MODELS;DIFFUSION;FILTRATION;ROCKS

5318 EXPERIMENTAL STUDIES OF HYDROTHERMAL PROCESSES BY A DYNAMIC METHOD. Iwasaki, I.; Ozawa, T.; Yoshida, M.; Sanemasa, I.; Ossaka, J.; Ohmori, T. (Tokyo Technol. Inst., Tokyo, Japan). pp 514-22 of Mezhdunar. Geokhim. Kongr., [Dokl.], 1st, 1971, Volume 2. Vinogradov, A.P. (ed.). Moscow, USSR; Akad. Nauk SSSR, Inst. Geokhim. Anal. Khim. (1973).
HYDROTHERMAL SYSTEMS;THERMAL WATERS;CHEMICAL PROPERTIES;CHEMICAL REACTIONS;ROCKS; HYDROTHERMAL ALTERATION;CALCIUM;SODIUM; SOLUBILITY;SILICON OXIDES;ALUMINIUM;POTASSIUM

5319 HYDROTHERMAL TRANSFORMATION OF ANDESITE--BASALT FROM THE KUNASHIR ISLAND OF THE KURILE ISLANDS. Kotov, N.V.; Klochkov, L.V.; Frank-Kamentskii, V.A. Uch. Zap. Leningrad. Gos. Univ., Ser. Geol. Nauk; 14: 50-8(1973).
ANDESITES;BASALT;USSR;MONTMORILLONITE;KAOLIN; HYDROTHERMAL ALTERATION;THERMAL WATERS;HOT SPRINGS;PH VALUE;IGNEOUS ROCKS;HIGH TEMPERATURE; HIGH PRESSURE;HYDROTHERMAL SYNTHESIS

5320 IMPORTANCE OF THE SILICA SUBTRACTION PROCESS DURING THE HYDROTHERMAL KAOLINITIZATION OF AMORPHOUS ALUMINOSILICATES. Rodrique, L.; Poncelet, G.; Herbillon, A. (Lab. Phys. Chim., Miner., Inst. Sci. Terre, Heverlee, Belgium). pp 187-98 of Proceedings of International Clay Conference, 1972. Serratosa, J.M. (ed.). Madrid, Spain; Div. Cienc. CSIC (1973).
ALUMINIUM SILICATES;HYDROTHERMAL ALTERATION; HYDROCHLORIC ACID;KAOLIN;HYDROTHERMAL SYNTHESIS; PH VALUE

5321 STRUCTURAL TRANSFORMATIONS OF CLAY MINERALS UNDER HYDROTHERMAL CONDITIONS. Frank-Kamenetskii, V.A.; Kotov, N.V.; Goilo, E.A.; Klochkova, G.N. (Geol. Fac., Leningrad Univ., Leningrad, USSR). pp 303-12 of Proceedings of International Clay Conference, 1972. Serratosa, J.M. (ed.). Madrid, Spain; Div. Cienc. CSIC (1973).
CLAYS;HYDROTHERMAL ALTERATION;PHASE TRANSFORMATIONS

5322 MECHANISM OF HYDROTHERMAL SPHALERITE - GALENA REPLACEMENT AT 300°. Maurel, C. (Cent. Synth. Chim. Miner. Ferollerie, CNRS, Orleans, France). Econ. Geol.; 68: No. 5, 665-70(1973).
SPHALERITE;LEAD;ZINC;GALENA;CHEMICAL REACTIONS;SOLUTIONS;DISSOLUTION;CRYSTALLIZATION; HIGH TEMPERATURE;LEAD SULFIDES;ZINC SULFIDES; ION EXCHANGE

5323 FORMATION AND PROPERTIES OF THE HYDROGEN FORM OF MORDENITE. 8. EFFECT OF PRELIMINARY HEAT TREATMENT ON THE PROPERTIES OF NATURAL MORDENITE. Baran, B.A.; Belen'kaya, I.M.; Dubinin, M.M. (Inst. Fiz. Khim., Moscow, USSR). Izv. Akad. Nauk SSSR, Ser. Khim.; No. 8, 1702-7(1973).
MORDENITE;SODIUM CHLORIDES;AQUEOUS SOLUTIONS; ION EXCHANGE;HYDROGEN;STABILITY;TEMPERATURE EFFECTS;SODIUM IONS

5324 HYDROGEOCHEMICAL BEHAVIOR OF GALLIUM AND GERMANIUM IN THE DYNAMIC SYSTEM THERMAL WATER ROCK AND ITS GENETIC SIGNIFICANCE. Pencheva, E.N. (Bulg. Acad. Sci., Bulg., Sofia). pp 140-52 of Proceedings of symposium on hydrogeochemistry and biogeochemistry, 1970, Volume 1. Washington, DC; Clarke Co. (1973).
THERMAL WATERS;GEOCHEMISTRY;GALLIUM; GERMANIUM;ROCK-FLUID INTERACTIONS;DISSOLUTION; HYDROTHERMAL SYSTEMS

5325 SYNTHESIS OF KAOLINS. Siffert, B.; Wey, R. (Cent. Rech. Phys. Chim. Surf. Solides, Mulhouse, France). pp 159-72 of Proceedings of international clay conference, 1972. Serratosa, J.M. (ed.). Madrid, Spain; Div. Cienc. CSIC (1973).
KAOLINITE;KAOLIN;DEPOSITION;SILICON; ALUMINIUM;ALUMINIUM CHLORIDES;SILICATES; HYDROGEN COMPOUNDS;SYNTHESIS;SOLUTIONS

5326 SYNTHESIS OF KAOLINITE. La Iglesia Fernandez, A.; Martin Vivaldi, J.L. (Fac. Cienc., Univ. Complutense, Madrid, Spain). pp 173-85 of Proceedings of international clay conference, 1972. Serratosa, J.M. (ed.). Madrid, Spain; Div. Cienc. CSIC (1973).
KAOLINITE;SILICON OXIDES;ALUMINIUM IONS;PH VALUE;HEATING;FULVIC ACIDS;SYNTHESIS

5327 PHASE EQUILIBRIUMS FOR DIOCTAHEDRAL EXPANDABLE PHASES IN SEDIMENTS AND SEDIMENTARY ROCKS. Velde, B. (Lab. Petrogr., Univ. Paris VI, Paris, France). pp 235-48 of Proceedings of international clay conference, 1972. Serratosa, J.M. (ed.). Madrid, Spain; Div. Cienc. CSIC (1973).
PHASE STUDIES;EQUILIBRIUM;SEDIMENTARY ROCKS; ILLITE;MONTMORILLONITE;CLAYS;KAOLINITE;CHLORITE MINERALS

5328 KINETICS OF ALTERATION OF POTASSIUM-FELDSPAR TO KAOLINITE AND ITS APPLICATION TO THE GENESIS OF KAOLIN DEPOSITS. Tsuzuki, Y.; Mizutani, S.; Shimizu, H.; Hayashi, H. (Fac. Sci., Nagoya Univ., Nagoya, Japan). pp 313-19 of Proceedings of international clay conference, 1972. Serratosa, J.M. (ed.). Madrid, Spain; Div. Cienc. CSIC (1973).
FELDSPARS;HYDROTHERMAL ALTERATION;KAOLIN; REACTION KINETICS;POTASSIUM COMPOUNDS;SOLUTIONS; REACTION KINETICS;HYDROTHERMAL SYNTHESIS

5329 HYDROTHERMAL TRANSPORT AND DEPOSITION OF GALENA AND SPHALERITE NEAR 100°. Anderson, G.M. (Dep. Geol., Univ. Toronto, Toronto, Ontario). Econ. Geol.; 68: No. 4, 480-92(1973).
DEPOSITION;SPHALERITE;CALCITE;GALENA; PRECIPITATION;SOLUBILITY;BRINES;CHALCOPYRITE; THERMAL WATERS

5330 HYDROLYSIS REACTIONS IN THE SILICON DIOXIDE EXCESS PORTION OF THE SYSTEM POTASSIUM OXIDE-ALUMINUM OXIDE-SILICON DIOXIDE-WATER IN CHLORIDE FLUIDS AT MAGMATIC CONDITIONS. Shade, J.W. (Dep. Geol., Univ. Toledo, Toledo, Ohio). Econ. Geol.; 69: No. 2, 218-28(1974).
POTASSIUM OXIDES;ALUMINIUM OXIDES;SILICON OXIDES;WATER;CHEMICAL REACTION KINETICS;HIGH TEMPERATURE;VERY HIGH PRESSURE;SOLUTIONS; EQUILIBRIUM;CHLORIDES;MUSCOVITE;FELDSPARS; MINERALS;SYNTHESIS;MAGMA;HYDROLYSIS;ALUMINIUM SILICATES

5331 PHASE RELATIONS OF TITAN-ACMITE IN THE SYSTEM SODIUM OXIDE-IRON(III)OXIDE-ALUMINUM OXIDE-TITANIUM DIOXIDE-SILICON DIOXIDE AT 1000 BARS TOTAL WATER PRESSURE. Flower, M.F.J. (Inst. Mineral., Ruhr-Univ., Bochum, Ger.). Am. Mineral.; 59: No. 5/6, 536-48(1974).
SODIUM OXIDES;IRON OXIDES;ALUMINIUM OXIDES; TITANIUM OXIDES;SILICON OXIDES;PHASE STUDIES; HIGH PRESSURE;HIGH TEMPERATURE;SOLID SOLUTIONS; PYROXENES;MELTING;FELDSPARS;HEMATITE

5332 MECHANISM OF SILICA MIGRATION IN HYDROTHERMAL SOLUTIONS. Ganeev, I.G. (Vses. Nauchno-Issled. Inst. Miner. Syr'ya, Moscow, USSR). Dokl. Akad. Nauk SSSR; 214: No. 5, 1175-8(1974).
QUARTZ;SYNTHESIS;TECTONICS;SODIUM CHLORIDES; TEMPERATURE GRADIENTS;HYDROLYSIS;SODIUM HYDROXIDES;HYDROCHLORIC ACID;CHEMICAL REACTIONS; SILICON OXIDES;CRYSTALLIZATION;CONVECTION; THERMAL WATERS

5333 HETEROGENEOUS PRECIPITATION OF SILICON OXIDES IN SILICON. Ravi, K.V. (Motorola Inc., Phoenix, Ariz., USA). J. Electrochem. Soc.; 121: No. 8, 1090-8(1974).
SILICON OXIDES;SILICON;OXIDATION; PRECIPITATION

5334 STABILITY RELATIONS OF ANDRADITE-QUARTZ IN THE SYSTEM CALCIUM-IRON-SILICON-OXYGEN-HYDROGEN. Liou, J.G. (Dep. Geol., Stanford Univ., Stanford, CA). Am. Mineral.; 59: No. 9-10, 1016-25(1974). (In English).
ANDRADITE;QUARTZ;PYROXENES;HEMATITE;CALCIUM SILICATES;IRON OXIDES;PHASE STUDIES;CALCIUM; IRON;SILICON;OXYGEN;HYDROGEN

5335 KINETICS OF ALTERATION OF K-FELDSPAR AND ITS APPLICATION TO THE ALTERATION ZONING. Tsuzuki, Y.; Mizutani, S.; Shimizu, H.; Hayashi, H. Geochem. J. (Nagoya); 8: No. 1, 1-20(1974).
FELDSPARS;HYDROTHERMAL ALTERATION;REACTION KINETICS;KAOLIN;SYNTHESIS;ZONES;GEOCHEMISTRY; SILICATES;EQUILIBRIUM;PHASE STUDIES;CLAYS;X-RAY DIFFRACTION

5336 REACTION INTERACTION OF ORE-BEARING (COPPER+ZINC) HYDROTHERMAL SOLUTIONS WITH PYRITITE BODIES. Zhabin, A.G. (Inst. Mineral., Geokhim. Kristallokhim. Redk. Elem., Moscow). Dokl. Akad. Nauk SSSR; 215: No. 3, 661-4 (Geol.)(1974).
HYDROTHERMAL SYSTEMS;COPPER;ZINC;CHEMICAL REACTIONS;PYRITES;ROCKS;MINERALS;QUARTZ; CARBONATES;LEACHING;SULFIDES;SOLFATARAS; VOLCANIC REGIONS;HYDROTHERMAL ALTERATION; SYNTHESIS;THERMAL WATERS

5337 SOLUBILITY PRODUCT OF CALCIUM CARBONATE IN SODIUM CHLORIDE AQUEOUS SOLUTIONS. Gordienko, V.I.; Leibert, B.M.; Bashirova, L.Kh. (Ufim. Neft. Inst., Ufa, USSR). Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.; 17: No. 10, 1492-5(1974).
SOLUBILITY;AQUEOUS SOLUTIONS;SODIUM CHLORIDES;CALCIUM CARBONATES;SOLVENT PROPERTIES; SODIUM CARBONATES

5338 STATE OF SILICON IN ALUMINATE SOLUTIONS. Pevzner, I.Z.; Eremin, N.I.; Rozen, Ya.B.; Kolobov, N.P.; Mironov, V.E. Zh. Prikl. Khim.; 47: No. 12, 2758-60(1974).
SILICON OXIDES;ALUMINATES;AQUEOUS SOLUTIONS; ENTROPY;STABILITY;SOLUBILITY;EQUILIBRIUM; SILICATES

5339 SILICA ACCUMULATION IN HYDROTHERMAL SOLUTIONS. Balitskii, V.S.; Zubkova, E.I. pp 114-19 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; "Nauka", Sib. Otd. (1974).
Dissolution in NaCl--KCl solutions at 300° and 300 atm. SILICON OXIDES;DISSOLUTION; HYDROTHERMAL SYSTEMS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;ALUMINIUM;CALCIUM;SODIUM;POTASSIUM;

SOLUBILITY;SANDSTONES;QUARTZITES;AMPHIBOLE; SOLUTIONS

5340 EFFECT OF PRESSURE ON THE SOLUBILITY OF CALCIUM CARBONATE, CALCIUM FLUORIDE, AND STRONTIUM SULFATE IN WATER. Macdonald, R.W.; North, N.A. (Dep. Oceangr., Dalhousie Univ., Halifax, Nova Scotia). Can. J. Chem.; 52: No. 18, 3181-6(1974).
At 0 to 35°, to 1000 atm. CALCIUM CARBONATES; SOLUBILITY;PRESSURE DEPENDENCE;CALCIUM FLUORIDES;STRONTIUM SULFATES;WATER

5341 PHYSICOCHEMICAL ANALYSIS OF CONDITIONS OF ACCUMULATION, MIGRATION, AND DEPOSITION OF IRON IN RECENT VOLCANIC REGIONS. Mel'nik, Yu.P.; Drozdovskaya, A.A.; Vorob'eva, K.A. (Inst. Geokhim. Fiz. Miner., Kiev., USSR). pp 119-26 of Gidroterm. Mineraloobraz. Rastvory Obl. Akt. Vulkanizma. Naboko, S.I. (ed.). Novosibirsk, USSR; 'Nauka' Sib. Otd. (1974).
IRON COMPOUNDS;DEPOSITION;DISSOLUTION; THERMAL WATERS;HYDROTHERMAL SYSTEMS;TRANSPORT; VOLCANIC REGIONS;PRECIPITATION;PH VALUE; GEOLOGIC DEPOSITS;GEOCHEMISTRY

5342 OXYGEN ISOTOPE EXCHANGE BETWEEN CALCITE AND WATER UNDER HYDROTHERMAL CONDITIONS. Anderson, T.F.; Chai, B.H.T. (Dep. Geol., Univ. Illinois, Urbana, IL). Carnegie Inst., Washington Publ.; 634 (Geochem. Transp. Kinet., Pap. Conf., 1973): 219-27(1974).
CALCITE;WATER;ISOTOPIC EXCHANGE;OXYGEN ISOTOPES;THERMAL WATERS;CRYSTALLIZATION;HIGH TEMPERATURE

5343 SOLUBILITY PRODUCT CONSTANTS OF ARAGONITE AT 90° AND 51°. Siebert, R.M.; Hostetler, P.B.; Christ, C.L. (Dep. Geol., Univ. Missouri, Columbia, MO). J. Geophys. Res.; 2: No. 4, 447-55(1974).
CALCIUM CARBONATES;SOLUBILITY;ARAGONITE; DOLOMITE;MAGNESIUM CARBONATES;SOLUTIONS

5344 SOLUBILITY IN SYSTEMS COMPOSED OF SODIUM AND POTASSIUM CARBONATES AND SULFATES AND WATER AT 35 AND 100° AND OF SODIUM AND POTASSIUM CARBONATES AND CHLORIDES AND WATER AT 75 AND 100°. Timoshenko, V.V.; Zubkova, E.M.; Meshkova, L.V. (Nauchno-Issled. Osn. Khim., Kharpov, USSR). Zh. Prikl. Khim.; 47: No. 8, 1848-51(1974).
SODIUM CARBONATES;POTASSIUM CARBONATES; EQUILIBRIUM;PHASE DIAGRAMS;SODIUM SULFATES; POTASSIUM SULFATES;SODIUM CHLORIDES;POTASSIUM CHLORIDES;WATER;SOLUBILITY;PHASE STUDIES; MIXTURES;MEDIUM TEMPERATURE

5345 REACTION OF PYROPHYLLITE DISSOLUTION IN WATER AT 445-500° AND 1100 ATM. Ostapenko, G.T.; Timoshkova, L.P.; Gorogotskaya, L.I. (Inst. Geokhim. Fiz. Miner., Kiev, USSR). Geokhimiya; No. 10, 1568-71(1974).
PYROPHYLLITE;DISSOLUTION;HIGH TEMPERATURE; SILICON OXIDES;WATER;HIGH PRESSURE

5346 STABILITIES OF CALCITE AND ARAGONITE. Christ, C.L.; Hostetler, P.B.; Siebert, R.M. (US Geol. Surv., Menlo Park, CA). J. Geophys. Res.; 2: No. 2, 175-84(1974).
STABILITY;CALCITE;ARAGONITE;SOLUBILITY;PH VALUE;SOLUTIONS;CARBON DIOXIDE;FREE ENTHALPY

5347 HYDROLYSIS CONSTANTS FOR CARBONATE AND HYDROCARBONATE IONS IN HIGHLY CONCENTRATED SODIUM CHLORIDE AQUEOUS SOLUTIONS. Gordienko, V.I.; Bashirova, L.Kh.; Leibert, B.M. (Ufim. Neft. Inst., Ufa, USSR). Izv. Vyssh. Ucnebn. Zaved., Khim. Khim. Tekhnol.; 17: No. 8, 1127-31(1974).
CARBONATES;SODIUM CARBONATES;SODIUM HYDROXIDES;HYDROLYSIS;HYDROGEN COMPOUNDS;ANIONS; AQUEOUS SOLUTIONS;SODIUM CHLORIDES

5348 ELECTRON MICROPROBE MEASUREMENT OF PYROXENES COEXISTING WITH WATER UNDERSATURATED LIQUID IN THE JOIN CALCIUM MAGNESIUM SILICON OXIDE ($CAMGSI_2O_6$)--MAGNESIUM SILICON OXIDE ($MG_2SI_2O_6$)--WATER AT 30 KILOBARS, WITH APPLICATIONS TO GEOTHERMOMETRY. Nehru, C.E.; Wyllie, P.J. (Brooklyn Coll., City Univ. New York, Brooklyn, NY). Contrib. Mineral. Petrol.; 48: No. 3, 221-8(1974).
PYROXENES;WATER;SILICON OXIDES;MAGNESIUM SILICATES;DIOPSIDE;GEOTHERMOMETRY;MAGNESIUM SILICATES;CALCIUM SILICATES;ELECTRON MICROSCOPY; EQUILIBRIUM

5349 GEOCHEMICAL BEHAVIOR OF CALCIUM IN A GROUND WATER--GRANITIC ROCK SYSTEM. Paces, T. (Ustred. Ustav Geol., Prague, Czech.). Vestn. Ustred. Ustavu Geol.; 49: No. 4, 215-18(1974).
CALCIUM CARBONATES;GROUND WATER;GRANITES; CARBON DIOXIDE;ROCK-FLUID INTERACTIONS; GEOCHEMISTRY;PRECIPITATION;CALCITE

5350 EFFECT OF VARIOUS FACTORS ON THE SEPARATION OF CALCIUM CARBONATE FROM ARTIFICIAL SOLUTIONS AND NATURAL WATERS. Matveeva, N.P.; Tarasov, M.N. (Gidrokhim. Inst. Novocherkassk, USSR). Gidrokhim. Mater.; 61: 62-73(1974).
CALCIUM CARBONATES;PRECIPITATION;AQUEOUS SOLUTIONS;STABILITY;SALTS;MAGNESIUM COMPOUNDS; SULFATES;SODIUM COMPOUNDS;CHLORINE COMPOUNDS; WATER

5351 PHYSICOCHEMICAL CONDITIONS OF MINERAL FORMATION IN HYDROTHERMAL SYSTEMS. Pampura, V.D.; Kochergin, V.N. (Inst. Vulkanol., Kamchatka, USSR). pp 152-5 of Gidroterm. mineraloobraz. rastvory obl. akt. vulkanizma. Naboko, S.I. (ed.). Novosibirsk; ''Nauka'', Sib. Otd. (1974).
HYDROTHERMAL SYSTEMS;MATHEMATICAL MODELS; MINERALS;HYDROTHERMAL SYNTHESIS;ROCK-FLUID INTERACTIONS;HEAT TRANSFER;MASS TRANSFER

5352 POSSIBLE FACTORS IN THE DIFFERENTIATION OF CHEMICAL ELEMENTS UNDER HYDROTHERMAL CONDITIONS. Ovchinikov, L.N.; Chelishchev, N.F.; Stretenskaya, N.G.; Dadzharyan, V.N. (Inst. Mineral., Geokhim., Kristallokhim. Redk. Elem., Moscow, USSR). pp 71-6 of Gidroterm. mineraloobraz. rastvory obl. akt. vulkanizma. Naboko, S.I. (ed.). Novosibirsk; ''Nauka'', Sib. Otd. (1974).
HYDROTHERMAL ALTERATION;ROCK-FLUID INTERACTIONS;MINERALS;THERMAL WATERS;ION EXCHANGE;FELDSPARS;MICA;ALUMINIUM SILICATES; PHOSPHATES;ARSENATES;VANADATES;SULFIDES;OXIDES; CHEMICAL REACTIONS;SODIUM CHLORIDES

5353 STRUCTURAL TRANSFORMATIONS OF CLAY MINERALS AND GELS UNDER HYDROTHERMAL CONDUCTIONS. Frank-Kamenetskii, V.A.; Kotov, N.V. (Dep. Crystallogr., Leningrad State Univ., Leningrad, USSR). pp 101-10 of Minerogenezis. Aleksiev, El.; Mincheva-Stefanova, I.; Radonova, T.G. Sofia, Bulgaria; Izd. BAN (1974).
CLAYS;HYDROTHERMAL ALTERATION;KAOLINITE;GELS

5354 OXYGEN AND HYDROGEN ISOTOPE EVIDENCE FOR LARGE-SCALE CIRCULATION AND INTERACTION BETWEEN GROUND WATERS AND IGNEOUS INTRUSIONS, WITH PARTICULAR REFERENCE TO THE SAN JUAN VOLCANIC FIELD, COLORADO. Taylor, H.P. Jr. (Div. Geol. Planet. Sci., Calif. Inst. Technol., Pasadena). pp 299-324 of Carnegie Inst. Washington Publ. 634 (Geochemical transp. kinet., papers from conference, 1973). Carnegie Inst. (1974).
HYDROTHERMAL SYSTEMS;THERMAL WATERS;METEORIC WATER;VOLCANIC ROCKS;COLORADO;OXYGEN ISOTOPES; HYDROGEN ISOTOPES;IGNEOUS ROCKS;ROCK-FLUID INTERACTIONS;QUARTZ;BIOTITE;ISOTOPE RATIO

5355 SOLVATION AND DEPOSITION OF CHALCOPYRITE AND CHALCOCITE ASSEMBLAGES IN HYDROTHERMAL SOLUTIONS. Crerar, D.A. University Park, PA; Pennsylvania State Univ. (1974). 175p. University Microfilms Order No. 75-9768.
Thesis (Ph. D.).
HYDROTHERMAL SYSTEMS;CHALCOPYRITE;COPPER SULFIDES;DEPOSITION;SOLVATION

5356 RATES OF DISSOLUTION OF ALUMINOSILICATES IN SEA WATER. Lerman, A.; Mackenzie, F.T.; Bricker, O.P. (Dep. Geol. Sci., Northwest. Univ., Evanston, IL). Earth Planet. Sci. Lett.; 25: No. 1, 82-8(1975).
DISSOLUTION;ALUMINIUM SILICATES;SEAWATER; SOLVENT PROPERTIES;CLAYS;ZEOLITES;QUARTZ; REACTION KINETICS

5357 MODEL EXPERIMENT OF THE FRACTIONATION OF FLUORINE AND CHLORINE BY THE REACTION BETWEEN VOLCANIC GASES AND VOLCANIC ROCKS. Yoshida, M. (Fac. Sci., Tokyo Inst. Technol., Tokyo, Japan). Nippon Kagaku Kaishi; No. 3, 449-54(1975).
VOLCANIC ROCKS;FUMAROLIC FLUIDS;FLUORINE; CHLORINE;BASALT;CHEMICAL REACTIONS;SILICON OXIDES;GASES;FRACTIONATION;JAPAN

5358 CRYSTALLIZATIONS IN THE SOLID PHASE EQUILIBRIUMS IN THE SODIUM OXIDE--ALUMINUM OXIDE--SILICON DIOXIDE--WATER SYSTEM AT 230°. Derevyankin, V.A.; Porotnikova, T.P. Zh. Prikl. Khim.; 48: No. 3, 595-61(1975).
SILICON OXIDES;WATER;ALUMINIUM OXIDES;SODIUM OXIDES;CRYSTALLIZATION;EQJILIBRIUM;HIGH TEMPERATURE;PHASE STUDIES

5359 THERMODYNAMICS AND CRYSTAL CHEMISTRY OF LAYER SILICATE TRANSFORMATIONS UNDER HIGH PRESSURES AND TEMPERATURES. Kotov, N.V. (Inst. Earth Crust, Leningrad State Univ., Leningrad, USSR). pp 509-17 of Proc. Int. Conf. High Pressure, 4th, 1974. Osugi, J. (ed.). Kyoto, Japan; Phys.-Chem. Soc. Jap. (1975).
SILICATES;THERMODYNAMIC PROPERTIES;CLAYS; HYDROTHERMAL ALTERATION;HIGH PRESSURE;HIGH TEMPERATURE

5360 *EVALUATION OF SOLUBILITIES IN* HYDROTHERMAL SYSTEMS. Nekrasova, R.A. (Inst. Eksp. Mineral., Chernogolovka, USSR). Dokl. Akad. Nauk SSSR; 222: No. 3, 613-16(1975).
La_2O_2--SiO_2--B_2O_3--H_2O system at 300° and 1000 atm. SILICON OXIDES;SOLUBILITY; HYDROTHERMAL SYSTEMS;WATER;BORON OXIDES; LANTHANUM OXIDES;HIGH TEMPERATURE

5361 PETROGRAPHY AND HYDROTHERMAL ALTERATION OF TERTIARY ANDESITE--RHYOLITE VOLCANICS IN THE WAITEKAURI VALLEY, OHINEMURI, NEW ZEALAND. Rabone, S.D.C. (Geol. Dep., Univ. Auckland, Auckland, N.Z.). N. Z. J. Geol. Geophys.; 18: No. 2, 239-58(1975).
HYDROTHERMAL ALTERATION;ANDESITES;RHYOLITES; VOLCANIC ROCKS;VOLCANISM;CARBONATES;QUARTZ;NEW ZEALAND;PETROLOGY

5362 PORPHYRY PLUTON ENVIRONMENTS: FLUID-ROCK INTERACTIONS PREDICTED FROM THEORETICAL MODELS OF HEAT AND MASS TRANSFER. Norton, D. (Univ. of Arizona, Tucson). pp 1215 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
HEAT TRANSFER;MASS TRANSFER;MATHEMATICAL MODELS;PERMEABILITY;IGNEOUS ROCKS;VOLCANIC ROCKS;SEDIMENTARY ROCKS;HYDROTHERMAL ALTERATION; PHASE STUDIES;FLUIDS;ROCK-FLUID INTERACTIONS

5363 STABILITY OF AMPHIBOLES IN ANDESITE--H_2O--CO_2 AND BASALT--H_2O--CO_2 AT HIGH PRESSURES. Allen, J.C. (Bucknell Univ., Lewisburg, PA); Boettcher, A.L. pp 973 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
AMPHIBOLE;ANDESITES;WATER;CARBON DIOXIDE; BASALT;EQUILIBRIUM;PHASE STUDIES;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE

5364 SOLUBILITY OF CALCITE AND THE CALCULATION OF CHEMICAL POTENTIALS IN AQUEOUS SOLUTIONS. Lafon, G.M. (Johns Hopkins Univ., Baltimore). pp 1157 of 1975 annual meetings. New York; Geological Society of America (1975).
From 1975 annual meetings; Salt Lake City, UT, USA (20 Oct 1975).
Thermodynamic equilibrium constants at 25° to 200°C. CALCITE;SOLUBILITY;AQUEOUS SOLUTIONS; EQUILIBRIUM;CARBON DIOXIDE;SODIUM CHLORIDES; WATER;MEDIUM TEMPERATURE;HIGH TEMPERATURE; THERMODYNAMICS

5365 HYDROTHERMAL GEOCHEMISTRY. THERMAL SPRING PROBING IN THE MID-OCEAN RIDGE. Sakai, H. (Inst. Therm. Spring Res., Okayama Univ., Misasa, Japan). Kagaku (Tokyo); 45: No. 3, 145-53(1975).
HOT SPRINGS;SEAWATER;CHEMICAL COMPOSITION; SEAS;HYDROTHERMAL SYSTEMS;ROCK-FLUID INTERACTIONS;GEOCHEMISTRY;VOLCANIC ROCKS

5366 BOUNDARY LINES OF PHASE EQUILIBRIUM DIAGRAMS OF THE SILICON DIOXIDE--WATER SYSTEM. Martynova, O.I.; Popov, A.S.; Fursenko, V.F. (Moscow Energ. Inst., Mscow, USSR). Teploenergetika (Moscow); No. 5, 66-8(1975).
SILICON OXIDES;WATER;EQUILIBRIUM;PHASE DIAGRAMS;QUARTZ

5367 HYDROTHERMAL ALTERATION OF MORDENITE ROCKS IN SODIUM CARBONATE SOLUTION, WITH REFERENCE TO ANALCIMIZATION AROUND KUROKO DEPOSITS. Abe, H.; Aoki, M. (Inst. Earth Sci., Miyagi Univ. Educ., Sendai,Japan). Econ. Geol.; 70: No. 4, 770-80(1975).
HYDROTHERMAL ALTERATION;MORDENITE;SODIUM CARBONATES;ANALCIME;TUFF;GEOLOGIC DEPOSITS; SOLUTIONS;HIGH TEMPERATURE;HYDROTHERMAL SYNTHESIS;SODIUM CHLORIDES;ROCK-FLUID INTERACTIONS;CHEMICAL REACTIONS;JAPAN

5368 SILICA-ALUMINA INTERACTIONS IN SEA WATER. Willey, J.D. (Dep. Oceanogr.,

Dalhousie Univ., Halifax, Nova Scotia). Mar. Chem.; 3: No. 3, 241-51(1975).
SILICON OXIDES;SEAWATER;SODIUM CHLORIDES; WATER;POLYMERIZATION;ALUMINIUM OXIDES; DISSOLUTION

5369 QUANTITATIVE DESCRIPTION OF THE DEPENDENCE OF GIBBSITE SOLUBILITY ON THE SOLVENT CONCENTRATION AND TEMPERATURE IN THE SODIUM OXIDE--ALUMINIUM OXIDE--WATER SYSTEM. Bereza, L.V.; Berketov, S.S.; Ni, L.P.; Pecherskaya, V.F. Tr. Inst. Metall. Obogashch., Akad. Nauk Kaz. SSR; 50: 88-90(1975).
GIBBSITE;SOLUBILITY;TEMPERATURE DEPENDENCE; SODIUM OXIDES;URANIUM OXIDES;WATER

5370 CALCITE EQUILIBRIUM IN MIXED ION AQUEOUS SYSTEMS OPEN TO THE ATMOSPHERE. O'Connor, G.A.; Cadena C., F. (New Mexico State Univ., Las Cruces, NM). Soil Sci.; 120: No. 3, 182-7(1975).
CALCITE;SOLUBILITY;AQUEOUS SOLUTIONS; MIXTURES;EQUILIBRIUM;AIR;EQUATIONS;REACTION KINETICS

5371 EXPERIMENTS ON THE HYDROTHERMAL ALTERATION OF MORDENITE ROCKS IN SODIUM CARBONATE SOLUTION, WITH REFERENCE TO ANALCIMIZATION AROUND KUROKO DEPOSITS. Abe, H.; Aoki, M. (Miyagi Univ., Japan). Econ. Geol.; 70: No. 4, 770-780(1975).
ANALCIME;MORDENITE;SODIUM CARBONATES;TUFF; HYDROTHERMAL SYNTHESIS;SODIUM CHLORIDES;ROCK-FLUID INTERACTIONS;SEAWATER;HYDROTHERMAL ALTERATION

Isotope and Trace Element Studies

Refer also to citation(s) 1779, 3024, 3182, 3225, 3255, 3258, 4425, 5239

5372 (AD--647524) ISOTOPIC COMPOSITION AND ORIGIN OF THE RED SEA AND SALTON SEA GEOTHERMAL BRINES. Craig, H. (Scripps Institution of Oceanography, La Jolla, Calif. (USA)). 22 Aug 1966. Contract Nonr-2216(23). 7p.
RED SEA;BRINES;SALTON SEA;ISOTOPE RATIO; OXYGEN 18;DEUTERIUM;ORIGIN;SEAWATER;SEDIMENTARY ROCKS;ATMOSPHERIC PRECIPITATIONS

5373 (BNL--19496) SULFUR ISOTOPE RATIO TECHNIQUE. Castleman, A.W., Jr.; Munkelwitz, H.R. (Brookhaven National Lab., Upton, N.Y. (USA)). 1974. 14p. Dep. NTIS.
SULFUR 32;SULFUR 34;ISOTOPE RATIO;VOLCANOES; ORIGIN;SULFATES;STRATOSPHERE;AEROSOLS

5374 (CENA-BC--011) ISOTOPIC ENRICHMENT DURING WATER EVAPORATION UNDER NATURAL CONDITIONS IN CLASS A RESERVOIRS. Santiago, M.M.F.; Salati, E.; Matsui, E. (Ceara Univ., Fortaleza (Brazil). Instituto de Fisica). 1973. 26p. (In Portuguese). INIS.
WATER;EVAPORATION;OXYGEN 18;DEUTERIUM; ISOTOPE SEPARATION;FRACTIONATION;SURFACE WATERS

5375 GEOLOGIC THERMOMETERS. van Bemmelen, R.W. Mijningenieur; No. 3, 43-46(1928).
GEOTHERMOMETERS;ORES;GEOTHERMOMETRY

5376 GEOLOGIC THERMOMETRY. Seifert, H. Fortschr. Mineral., Krist., Petrog.; 14: 167-291(1930).
GEOTHERMOMETERS;GEOTHERMOMETRY;ACCURACY; PHASE TRANSFORMATIONS;MINERALS;SILICON OXIDES; FLUIDS;INCLUSIONS;EUTECTICS;SEAS;DEPOSITS;SALTS; BRINES;MEASURING METHODS

5377 IDEAL LIQUID INCLUSIONS. Yuster, S.T. Am. J. Sci.; 31: 363-72(1936).
MINERALS;GEOTHERMOMETERS;GEOTHERMOMETRY; LIQUIDS;GASES;INCLUSIONS;EQUATIONS;MATHEMATICS

5378 PROPOSED METHOD FOR THE MEASUREMENT OF GEOLOGIC TEMPERATURE. Friedman, I.I. J. Geol.; 57: 618-619(1949).
GEOTHERMOMETRY;TEMPERATURE MEASUREMENT; MEASURING METHODS;RADIOCHEMISTRY

5379 GEOLOGIC THERMOMETERS. Saban. Centre Etudes Doc. Paleont., Bull. Info.; An. 3: No. 12, 3-9(1951).
GEOTHERMOMETERS;GEOTHERMOMETRY;REVIEWS; OXYGEN 18;CARBON 13;INCLUSIONS;QUARTZ; SEDIMENTARY ROCKS;IGNEOUS ROCKS;ISOTOPE RATIO; OXYGEN ISOTOPES;CARBON ISOTOPES

5380 GEOTHERMOMETRY OF SOME PEGMATITE MINERALS OF HYBLA, ONTARIO. Peach, P.A. J. Geol.; 59: No. 1, 32-38(1951).
GEOTHERMOMETRY;PYRITES;INCLUSIONS;PEGMATITES; CANADA;MINERALS;GEOLOGIC DEPOSITS

5381 COEXISTENCE OF TWO PLAGIOCLASES IN THE OLIGOCLASE COMPOSITIONAL RANGE. Laves, F. J. Geol.; 62: 409-411(1954).
GEOTHERMOMETRY;SODIUM SILICATES;ALUMINIUM SILICATES;CALCIUM SILICATES;HEAT TREATMENTS; FELDSPARS

5382 SOME CONSIDERATIONS REGARDING LIQUID INCLUSIONS AS GEOLOGIC THERMOMETERS. Skinner, B.J. Econ. Geol.; 48: 541-550(1954).
QUARTZ;GEOTHERMOMETRY;WATER;PRESSURE DEPENDENCE;TEMPERATURE DEPENDENCE;INCLUSIONS

5383 FORMATION TEMPERATURES OF MINERALS BY THERMAL MICROSCOPE (HEATING MICROSCOPE STAGE) AND DECREPITATION METHOD. Kashiwagi, T.; Nishio, S.; Imai, H. Soc. Min. Geol. Japan; 5: No. 17, 155-161(1955).
INCLUSIONS;QUARTZ;MINERALS;GEOLOGIC DEPOSITS; BUBBLES;MICROSCOPES;GEOTHERMOMETRY

5384 METHODS AND PROBLEMS OF GEOLOGIC THERMOMETRY. Ingerson, E. Econ. Geol.; 50th Ann. Volume, Pt. 1: 341-410(1955).
GEOLOGIC STRATA;GEOTHERMOMETRY;MINERALS; STABLE ISOTOPES;ISOTOPE RATIO;INCLUSIONS; LIQUIDS;MEASURING METHODS

5385 FRACTIONATION OF SULFUR ISOTOPES IN NATURE. Sakai, H. Geochim. Cosmochim. Acta; 12: No. 1-2, 150-169(1957).
SULFUR ISOTOPES;ISOTOPE RATIO;SULFUR 34; SULFUR 32;JAPAN;GEOLOGIC DEPOSITS;ORES;SULFUR OXIDES;SULFATES;FUMAROLES;HOT SPRINGS

5386 ARAGONITE SINTER AS A GEOLOGIC THERMOMETER. Holz, H-W. Deutsch. Geol. Gesell. Zeitschr.; 112: No. 3, 513-514(1960).
GERMAN FEDERAL REPUBLIC;GEOLOGIC DEPOSITS; ARAGONITE;GEOTHERMOMETRY

5387 PROBLEM OF DETERMINING THE TEMPERATURES

OF FORMATION OF ROCKS BY T. F. BARTH'S METHOD. Krylova, M.D. Geokhimiya; No. 6, 529-535(1962).
PEGMATITES;GRANITES;FELDSPARS;GEOTHERMOMETRY; USSR;AMPHIBOLE;METAMORPHISM;METAMORPHIC ROCKS

5388 TEMPERATURE OF CRYSTALLIZATION OF PYRRHOTITE AND SPHALERITE FROM THE HIGHLAND-SURPRISE MINE, COEUR D'ALENE DISTRICT, IDAHO. Arnold, R.G.; Coleman, R.G.; Fryklund, V.C. Econ. Geol.; 57: No. 8, 1163-74(1962).
PYRITES;QUARTZ;ZINC SULFIDES;IRON SULFIDES; GEOTHERMOMETRY;HIGH TEMPERATURE

5389 SULFUR-RICH PORTION OF THE FE-NI-S SYSTEM. Clark, L.A.; Kullerud, G. Econ. Geol.; 58: No. 6, 853-885(1963).
IRON SULFIDES;NICKEL SULFIDES;PYRITES;ORES; EQUILIBRIUM;PHASE STUDIES;GEOTHERMOMETRY

5390 IMPORTANT OBSERVATIONS IN GEOLOGIC THERMOMETRY OF LIQUID INCLUSIONS IN CRYSTALS OF SPHALERITE. Borcos, M. Acad. Romine Studii Cercetari Geol., Geofiz., Geog., Ser. Geol.; 9: No. 2, 439-449(1964).
GEOTHERMOMETRY;INCLUSIONS;ROMANIA;ZINC ORES; SPHALERITES;QUARTZ;IRON;ABUNDANCE;CHEMICAL COMPOSITION;GEOLOGIC DEPOSITS

5391 COBALT, NICKEL, CHROMIUM, SCANDIUM, AND NIOBIUM IN BIOTITE AND THE SCANDIUM GEOLOGICAL THERMOMETER. Herz, N.; Dutra, C.V. Soc. Brasileira Geol. Bol.; 13: No. 1-2, 23-42(1964).
GEOTHERMOMETRY;BIOTITE;SCANDIUM;COBALT; NICKEL;CHROMIUM;NIOBIUM;GRANITES;IGNEOUS ROCKS; BRAZIL;CRYSTALLIZATION;GRANODIORITES;ABUNDANCE

5392 GEOTHERMOMETRIC MEASUREMENTS OF SULFIDE MINERALS, MOSABHONI COPPER MINE, SINGBHUM DISTRICT, BIHAR. Rao, K.K. Econ. Geol.; 59: No. 1, 136-41(1964).
INDIA;COPPER ORES;PYRITES;ROCKS;HYDROTHERMAL ALTERATION;COPPER;MINERALIZATION;IRON SULFIDES; GEOTHERMOMETRY

5393 SIGNIFICANCE OF $^{18}O/^{16}O$ AND $^{13}C/^{12}C$ RATIOS IN HYDROTHERMALLY DOLOMITIZED LIMESTONES AND MANGANESE CARBONATE REPLACEMENT ORES OF THE DRUM MOUNTAINS, JIAB COUNTY, UTAH. Lovering, T.S.; McCarthy, J.H.; Friedman, I. pp 658-71 of Chemistry of the Earth's crust (Trans. (1967) Israel Prog. Sci. Trans., Ltd., Volume 2). Moscow; Izdatel'stvo ''Nauka'' (1964).
UTAH;DOLOMITE;HYDROTHERMAL ALTERATION; MAGNESIUM CARBONATES;OXYGEN ISOTOPES;CARBON ISOTOPES;ISOTOPE RATIO;LIMESTONE;MINERALIZATION; MAGNESIUM CHLORIDES;SYNTHESIS

5394 OXYGEN ISOTOPE GEOTHERMOMETRY. O'Neil, J.R.; Clayton, R.N. pp 157-68 (Chap. 12) of Isotopic and cosmic chemistry. Amsterdam, Neth.; North-Holland Publ. Co. (1964).
QUARTZ;CALCITE;IRON OXIDES;MINERALS;OXYGEN ISOTOPES;ISOTOPE RATIO;GEOTHERMOMETRY;ROCKS

5395 POSSIBILITY OF USING THE SYSTEM ZNS + FES AS A GEOLOGIC THERMOMETER. Kudenko, A.A.; Stetsenko, V.P. Geokhimiya; No. 11, 1152-1156(1964).
GEOTHERMOMETERS;COMPARATIVE EVALUATIONS; PERFORMANCE;ERRORS;ZINC SULFIDES;IRON SULFIDES; GEOTHERMOMETRY;MEASURING METHODS;INCLUSIONS

5396 PYRRHOTITE GEOTHERMOMETRY AND ITS APPLICATION TO THE SULFIDE ORES OF THE MOSABANI MINES, SINGHBHUM, BIHAR, INDIA. Sen Gupta, P.R. Econ. Geol.; 60: No. 1, 175-80(1965).
INDIA;COPPER ORES;SULFIDES;GEOTHERMOMETRY; PYRITES;IRON SULFIDES;GEOLOGIC DEPOSITS; GEOTHERMOMETRY

5397 INVESTIGATION OF THE SYSTEM CU-S AND SOME NATURAL COPPER SULFIDES BETWEEN 25°C AND 700°C. Roseboom, E.H., Jr. Econ. Geol.; 61: No. 4, 641-672(1966).
COPPER SULFIDES;GEOTHERMOMETRY;HIGH TEMPERATURE;SOLID SOLUTIONS;STABILITY;PHASE STUDIES

5398 PHASE RELATIONS INVOLVING SPHALERITE IN THE FE-ZN-S SYSTEM. Barton, P.B., Jr.; Toulmin, P., III. Econ. Geol.; 61: No. 5, 815-849(1966).
IRON SULFIDES;ZINC SULFIDES;SPHALERITES; GEOTHERMOMETRY;PYRITES;GEOTHERMOMETRY;SULFIDES; SULFUR;PHASE STUDIES

5399 PRACTICE OF MEASURING THE PALEOTEMPERATURE OF GRANITOIDS BY BARTH'S METHOD. Davidenko, I.V. Geokhimiya; No. 5, 546-555(1966).
FELDSPARS;GEOTHERMOMETRY;GRANITES;PEGMATITES; SODIUM SILICATES;ALUMINIUM SILICATES;ABUNDANCE

5400 CHEMICAL COMPOSITION OF ANALCITE FROM LOW-GRADE METAMORPHIC ROCKS IN JAPAN. Nakajima, W.; Koizumi, M. Geol. Soc. Japan Jour.; 72: No. 11, 517-521(1966). (In Japanese).
GEOTHERMOMETRY;ZEOLITES;CHEMICAL COMPOSITION; SODIUM SILICATES;ALUMINIUM SILICATES; METAMORPHISM;ANALCIME;HYDROTHERMAL ALTERATION

5401 QUARTZ AND MAGNETITE OXYGEN-18/OXYGEN-16 FRACTIONATION IN METAMORPHOSED BIWABIK IRON FORMATION. Perry, E.C., Jr.; Bonnichsen, B. Science; 153: No. 3735, 528-9(1966).
MINERALOGY;QUARTZ;OXYGEN 16;OXYGEN 18; ISOTOPE RATIO;METAMORPHISM;IRON ORES;HEAT FLOW

5402 FRACTIONATION OF NICKEL BETWEEN OLIVINE AND AUGITE AS A GEOTHERMOMETER. Hakli, T.A.; Wright, T.L. Geochim. Cosmochim. Acta; 31: No. 5, 877-884(1967).
OLIVINE;PYROXENES;NICKEL;DISTRIBUTION;GLASS; IGNEOUS ROCKS;VOLCANIC ROCKS;ABUNDANCE;CHEMICAL COMPOSITION;GEOTHERMOMETRY

5403 OXYGEN ISOTOPE STUDIES OF HYDROTHERMAL MINERAL DEPOSITS. Taylor, H.P., Jr. pp 109-42 (Chap. 4) of Geochemistry of hydrothermal ore deposits. New York, Toronto, London; Holt, Rinehart and Winston (1967).
GEOTHERMOMETRY;OXYGEN ISOTOPES;ISOTOPE RATIO; OXYGEN 18;OXYGEN 16;AQUEOUS SOLUTIONS; CARBONATES;SILICATES;HYDROTHERMAL ALTERATION; OXIDES;EQUILIBRIUM;IGNEOUS ROCKS;METAMORPHIC ROCKS;MINERALS;MEASURING METHODS;HYDROTHERMAL SYSTEMS

5404 SUBSOLIDUS RELATIONS IN THE SYSTEM $CACO_3$--$MGCO_3$--$FECO_3$ BETWEEN 350° AND 550°C. Rosenberg, P.E. Am. Mineral.; 52: No. 5-6, 787-96(1967).
CALCIUM CARBONATES;MAGNESIUM CARBONATES;IRON CARBONATES;SOLID SOLUTIONS;DOLOMITE;PHASE STUDIES;HIGH TEMPERATURE;HIGH PRESSURE;CHEMICAL COMPOSITION;CHEMICAL ANALYSIS;ABUNDANCE; GEOTHERMOMETRY

5405 HG IN METAMORPHIC ROCKS. Jovanovic, S.; Reed, G.W. Geochim. Cosmochim. Acta; 32: No. 3, 341-346(1968).
METAMORPHIC ROCKS;MERCURY;SCHISTS;QUARTZ; IRON OXIDES;HEMATITE;GEOTHERMOMETERS;IGNEOUS ROCKS;CHEMICAL COMPOSITION;ABUNDANCE

5406 BARTH GEOTHERMOMETER-PETROCHEMICAL METHOD OF CALCULATING THE COMPOSITION OF THE FELDSPAR PHASES. Aleksandrov, A.L. Geokhimiya; No. 7, 843-850(1968).
FELDSPARS;GEOTHERMOMETERS;SODIUM SILICATES; ALUMINIUM SILICATES;CHEMICAL COMPOSITION;ROCKS; CALCIUM SILICATES;GEOTHERMOMETRY

5407 $^{18}O/^{16}O$ RATIOS OF COEXISTING MINERALS IN GLAUCOPHANE-BEARING METAMORPHIC ROCKS. Taylor, H.P., Jr.; Coleman, R.G. Geol. Soc. Am., Bull.; 79: No. 12, 1727-55(1968).
OXYGEN ISOTOPES;ISOTOPE RATIO;BIOTITE; SCHISTS;QUARTZ;MUSCOVITE;CALCIUM CARBONATES; GEOTHERMOMETRY;OXYGEN 18;OXYGEN 16;METAMORPHIC ROCKS;AMPHIBOLE;GARNETS;CHLORITE MINERALS; ARAGONITE;HEMATITE;ILMENITE

5408 PALEOTHERMOMETRY OF METAMORPHIC ROCKS CONTAINING MUSCOVITE ACCORDING TO DATA OF X-RAY AND CHEMICAL STUDY OF THE MUSCOVITES. Kotov, N.V.; Mil'kevich, R.I.; Turchemko, S.I. Dokl. Akad. Nauk SSSR; 184: No. 5, 1180-1182(1969).
METAMORPHIC ROCKS;GEOTHERMOMETRY;MICA; MUSCOVITE;SODIUM;POTASSIUM;IRON;MAGNESIUM; ABUNDANCE;TEMPERATURE DEPENDENCE;CHEMICAL COMPOSITION

5409 EXPERIMENTAL STUDY OF SODIUM AND CESIUM TRACE ELEMENT DISTRIBUTION IN LEUCITE, ORTHOCLASE, AND ASSOCIATED HYDROTHERMAL SOLUTIONS AT 600°C. Lagache, M. C. R. Hebd. Seances Acad. Sci., Ser. D; 268: No. 9, 1241-1243(1969).
SODIUM;CESIUM;TRACE AMOUNTS;DISTRIBUTION; MINERALS;HIGH TEMPERATURE;CHEMICAL COMPOSITION; FELDSPARS;IGNEOUS ROCKS;THERMAL WATERS; SILICATES

5410 PARTITIONING OF SODIUM BETWEEN COEXISTING K-FELDSPAR AND PLAGIOCLASE FROM SOME METAMORPHIC ROCKS. Virgo, D. J. Geol.; 77: No. 2, 173-182(1969).
FELDSPARS;METAMORPHIC ROCKS;SODIUM;CHEMICAL COMPOSITION;GEOTHERMOMETERS;GEOTHERMOMETRY; STRONTIUM;LAYERS

5411 SILICATE SOLID SOLUTIONS AND GEOTHERMOMETRY. Saxena, S.K. Contrib. Mineral. Petrol.; 21: No. 4, 338-45(1969).
SOLID SOLUTIONS;SILICATES;GEOTHERMOMETRY; MIXING HEAT

5412 ZINC CONTENT IN CHLORIDE SOLUTIONS IN EQUILIBRIUMS WITH GRANITIC ROCK MINERALS UNDER HIGH TEMPERATURE AND PRESSURE CONDITIONS. Ryabchikov, I.D. (Inst. Geol. Rudn. Mestorozhd., Petrogr., Mineral. Geokhim., Moscow, USSR). Dokl. Akad. Nauk SSSR; 194: No. 6, 1418-20(1970).
THERMAL WATERS;HOT SPRINGS;SODIUM CHLORIDES; IRON;ZINC;ABUNDANCE;GRANITES;IRON OXIDES; GEOLOGIC DEPOSITS;ORES;THERMODYNAMICS;CHEMICAL COMPOSITION;QUANTITY RATIO

5413 IGNEOUS PLAGIOCLASE THERMOMETER. Kudo, A.M.; Weill, D.F. Contrib. Mineral. Petrol.; 25: No. 1, 52-65(1970).
GEOTHERMOMETERS;IGNEOUS ROCKS;CALIBRATION; FELDSPARS;GEOTHERMOMETRY

5414 ALUMINUM IN QUARTZ AS A GEOTHERMOMETER. Dennen, W.H.; Blackburn, W.H. Contrib. Mineral. Petrol.; 27: No. 4, 332-42(1970).
GEOTHERMOMETRY;ALUMINIUM;QUARTZ; CRYSTALLIZATION

5415 SULFUR ISOTOPE EFFECTS IN VOLCANIC GAS MIXTURES. Grinenko, V.A.; Thode, H.G. (Dep. Chem., McMaster Univ., Hamilton, Ontario). Can. J. Earth Sci.; 7: No. 6, 1402-9(1970).
SULFUR ISOTOPES;ISOTOPE RATIO;HYDROGEN SULFIDES;SULFUR DIOXIDE;CHEMICAL REACTIONS; WATER VAPOR;ISOTOPIC EXCHANGE;HIGH TEMPERATURE; FUMAROLIC FLUIDS;CHEMICAL REACTION KINETICS; SULFUR 34

5416 LIQUID INCLUSIONS AS GEOTHERMOMETERS. Vasquez, J.C. Bol. Soc. Venez. Geol.; 5: No. 1, 3-23(1970).
GEOTHERMOMETERS;LIQUIDS;INCLUSIONS; GEOTHERMOMETRY;REVIEWS

5417 HYDROGEN AND OXYGEN ISOTOPE RATIOS IN MINERALS FROM PORPHYRY COPPER DEPOSITS. Sheppard, S.M.F.; Nielsen, R.L.; Taylor, H.P., Jr.;. (Div. Geol. Sci., California Inst. Technol., Pasadena, Calif.). Econ. Geol.; 66: No. 4, 515-42(1971).
ISOTOPE RATIO;HYDROGEN ISOTOPES;OXYGEN ISOTOPES;CARBON ISOTOPES;QUARTZ;FELDSPARS; BIOTITE;CALCITE;THERMAL WATERS;METEORIC WATER; GROUND WATER;IGNEOUS ROCKS;COPPER;ORES;MINERALS; HYDROTHERMAL ALTERATION

5418 USE OF OXYGEN ISOTOPES FOR GEOTHERMOMETRY OF PROTEROZOIC AND ARCHEAN GRANULITES. Wilson, A.F.; Green, D.C. (Univ. Queensland, St. Lucia, Australia). Spec. Publ., Geol. Soc. Aust.; No. 3, 389-400(1971).
OXYGEN ISOTOPES;ISOTOPE RATIO;PYROXENES; HORNBLENDE;MAGNETITE;QUARTZ;ILMENITE;FELDSPARS; SPINELS;MINERALS;ROCKS;EQUILIBRIUM; GEOTHERMOMETRY

5419 ISOTOPE GEOTHERMOMETRY. Sasaki, A. (Dep. Ore Deposit, Geol. Res. Inst., Japan). Kozan Chishitsu; 21: No. 5, 378-93(1971).
GEOTHERMOMETRY;REVIEWS;OXYGEN ISOTOPES; SULFUR ISOTOPES

5420 HYDROTHERMAL TRANSPORT OF SPHALERITE AND GALENA NEAR 100°C. Hamann, R.; Myers, D.; Anderson, G.M. pp 88 of Mineralogymineralogie, Section 14. Int. Geol. Congr., Proc. Congr. Geol. Int., Programme, No. 24 (1972).
THERMAL WATERS;MINERALS;GALENA;HIGH TEMPERATURE;TRANSPORT;SOLUBILITY;SOLVENT PROPERTIES;SPHALERITES

5421 QUARTZ AS A GEOTHERMOMETER. Dennen, W.H.; Quesada, A. Venez., Dir. Geol., Bol. Geol., Publ. Esp.; No. 5, 2200(1972).
QUARTZ;GEOTHERMOMETRY;SILICATES;SILICON OXIDES

5422 OXYGEN ISOTOPIC COMPOSITION OF MINERALS FROM LEPONTINE GNEISSES, VALLE BODENGO (PROV. DI SONDRIO, ITALIA). Blattner, P. Schweiz. Mineral. Petrogr. Mitt.; 52: No. 1, 33-7(1972).

ITALY;METAMORPHIC ROCKS;ISOTOPE RATIO;OXYGEN ISOTOPES;QUARTZ;FELDSPARS;GEOCHEMISTRY; MUSCOVITE;SILICATES

5423 DIRECT DETERMINATION OF TEMPERATURE AND PRESSURE BASED ON INCLUSIONS IN MINERALS OF METAMORPHIC ROCKS. Sobolev, V.S.; Dolgov, Yu.A.; Bakumenko, I.T.; Ponomareva, L.G. (Inst. Geol. Geofiz., Novosibirsk, USSR). pp 43-53 of Obz. Karty Obshch. Probl. Metamorf., Tr. Vses. Simp., 1971. Sobolev, V.S. (ed.). Novosibirsk; Akad. Nauk SSSR, Sib. Otd., Inst. Geol. Geofiz. (1972).
METAMORPHIC ROCKS;INCLUSIONS;QUARTZ;CARBON DIOXIDE;NITROGEN;HIGH TEMPERATURE;VERY HIGH PRESSURE;MINERALS;PYROXENES;CHLORITE MINERALS; ALUMINIUM SILICATES;LAVA;GEOTHERMOMETRY; HYDROTHERMAL ALTERATION;GARNETS

5424 EXAMPLES OF THE USE OF THE TWO-FELDSPAR THERMOMETER OF T. BARTH FOR FORMATION ANALYSIS OF GRANITIC ROCKS. Vasilenko, V.B.; Kholodova, L.D. pp 94-107 of Geol. Form. Dal'nego Vostoka Ikh Metallogen. Kosygin, Yu.A. (ed.). Khabarovsk; Akad. Nauk SSSR, Dal'nevost. Nauch. Tsentr, Inst. Tektoniki Geofiz. (1972).
GEOTHERMOMETERS;FELDSPARS;REVIEWS;GRANITES; SYNTHESIS;USES;GEOTHERMOMETRY

5425 SILICATE OXYGEN ISOTOPE GEOCHEMISTRY. APPLICATION TO PETROLOGICAL PROBLEMS IN INDIA. Viswanathan, S. (At. Miner. Div., Dep. At. Energy, New Delhi, India). Sci. Cult.; 38: No. 4, 160-70(1972).
SILICATES;OXYGEN 18;OXYGEN 16;GEOTHERMOMETRY; PETROLOGY;ISOTOPE RATIO;REVIEWS;OXYGEN ISOTOPES

5426 HOW OLD IS SILICATE OXYGEN ISOTOPE GEOCHEMISTRY. WHO WERE THE PIONEERS. Viswanathan, S. (At. Miner. Div., Dep. At. Energy, New Delhi, India). Geol. Mag.; 109: No. 3, 277-80(1972).
SILICATES;OXYGEN ISOTOPES;GEOCHEMISTRY; REVIEWS

5427 DISTRIBUTION OF NA, K, RB AND CS AS TRACE ELEMENTS BETWEEN ALKALI FELDSPARS AND HYDROTHERMAL SOLUTIONS AT 650°C, 1 KBAR; EXPERIMENTAL DATA AND THERMODYNAMIC INTERPRETATION. Lagache, M.; Sabatier, G. Geochim. Cosmochim. Acta; 37: No. 12, 2617-2640(1973).
SODIUM;POTASSIUM;RUBIDIUM;CESIUM;TRACE AMOUNTS;ABUNDANCE;FELDSPARS;CHEMICAL COMPOSITION;HIGH TEMPERATURE;HIGH PRESSURE; THERMODYNAMICS;THERMAL WATERS

5428 CARBON AND OXYGEN ISOTOPES IN EPIGENETIC HYDROTHERMAL ROCKS FROM HAMAM-EL-FARUN, SINAI. Magaritz, M.; Issar, A. Chem. Geol.; 12: No. 2, 137-46(1973).
EGYPTIAN ARAB REPUBLIC;CARBON ISOTOPES; OXYGEN ISOTOPES;ISOTOPE RATIO;MINERALIZATION; THERMAL WATERS;ROCKS;CALCITE;DOLOMITE; GEOCHEMISTRY

5429 EXPERIMENTAL STUDY OF ALKALI METAL DISTRIBUTIONS IN FELDSPARS AND MICAS. Beswick, A.E. Geochim. Cosmochim. Acta; 37: No. 2, 183-208(1973).
FELDSPARS;MICA;ALKALI METALS;ABUNDANCE; GEOCHEMISTRY;GEOTHERMOMETRY;POTASSIUM;RUBIDIUM; CHEMICAL COMPOSITION;IGNEOUS ROCKS

5430 EPIDOTE AND WAIRAKITE IN DRILL CORES AT THE HACHIMANTAI GEOTHERMAL AREA, NORTHWESTERN JAPAN. Shimazu, M.; Yajima, J. (Niigata Univ., Niigata, Japan). Ganseki Kobutsu Kosho Gakkaishi; 68: No. 12, 363-71(1973).
JAPAN;GEOTHERMAL FIELDS;DRILL CORES;KAOLIN; QUARTZ;CALCITE;METAMORPHISM;HYDROTHERMAL ALTERATION;MONTMORILLONITE;MINERALS;CHEMICAL COMPOSITION;WAIRAKITE;EPIDOTES;METAMORPHIC ROCKS;GEOTHERMOMETRY;MINERALIZATION

5431 PETROGENESIS OF THE SUPERSTITION-SUPERIOR VOLCANIC AREA AS INFERRED FROM STRONTIUM- AND OXYGEN-ISOTOPE STUDIES. Stuckless, J.S.; O'Neil, J.R. (US Geol. Surv., Menlo Park, CA). Geol. Soc. Am., Bull.; 84: No. 6, 1987-98(1973).
VOLCANIC REGIONS;STRONTIUM ISOTOPES;OXYGEN ISOTOPES;MAGMA;GEOTHERMOMETRY;QUARTZ;FELDSPARS; MAGNETITE;PETROGENESIS;ISOTOPE RATIO

5432 ISOTOPE RATIOS OF HYDROGEN AND OXYGEN IN NATURE. MEASUREMENT OF ISOTOPIC RATIO OF GEOLOGICAL SAMPLES. Matsubaya, O. (Inst. Therm. Spring Res., Okayama Univ., Okayama, Japan). Kagaku No Ryoiki; 27: No. 5, 392-7(1973).
GEOLOGIC DEPOSITS;ISOTOPE RATIO;HYDROGEN ISOTOPES;OXYGEN ISOTOPES;REVIEWS

5433 SCANDIUM IN BIOTITE AS A GEOTHERMOMETER. Dagelaiskii, V.B.; Krylova, M.D. (Inst. Geol. Geochronol. Precambrian, Leningrad, USSR). Geokhimiya; No. 1, 67-73(1973).
SCANDIUM;BIOTITE;GEOTHERMOMETERS;ABUNDANCE; METAMORPHIC ROCKS;GEOTHERMOMETRY

5434 REFINEMENT OF THE KUDO-WEILL PLAGIOCLASE THERMOMETER AND ITS APPLICATION TO BASALTIC ROCKS. Mathez, E.A. (Dep. Geosci., Univ. Arizona, Tucson, AZ). Contrib. Mineral. Petrol.; 41: No. 1, 61-72(1973).
FELDSPARS;GEOTHERMOMETERS;BASALT;PERFORMANCE; EQUATIONS;GEOTHERMOMETRY

5435 MANGANESE AND VANADIUM DISTRIBUTION IN COEXISTING TITANOMAGNETITES AND ILMENITES AND THEIR SIGNIFICANCE AS GEOTHERMOMETERS. Tugarinov, A.I.; Il'in, N.P.; Mohanty, R. (V.I. Vernadskii Inst. Geochem. Anal. Chem., Moscow, USSR). Geokhimiya; No. 7, 1029-40(1974). (In Russian).
ILMENITE;MAGNESIUM;VANADIUM;DISTRIBUTION; TITANIUM OXIDES;OXYGEN;TEMPERATURE DEPENDENCE; IRON OXIDES;CHEMICAL COMPOSITION;GEOTHERMOMETRY

5436 BEHAVIOR OF TRACE ELEMENTS IN FELDSPARS UNDER HYDROTHERMAL CONDITIONS. Liyama, J.T. (Cent. Rech. Synth. Chim. Miner., Orleans-la-Source, France). pp 552-73 of Feldspars, Proc. NATO Advan. Study Inst., 2nd, 1972. MacKenzie, W.S. (ed.). New York; Crane, Russak Co., Inc. (1974).
FELDSPARS;HYDROTHERMAL SYSTEMS;THERMAL WATERS;CESIUM;RUBIDIUM;POTASSIUM;SODIUM;BARIUM; STRONTIUM;CALCIUM;ION EXCHANGE;CHEMICAL COMPOSITION;CHEMICAL REACTION KINETICS;TRACE AMOUNTS

5437 ISOTOPIC COMPOSITION OF HELIUM IN ULTRABASIC XENOLITHS FROM VOLCANIC ROCKS OF KAMCHATKA. Tolstikhin, I.N.; Mamyrin, B.A.; Khabarin, L.V.; Erlikh, E.N. pp 90-104 of Geokhimiya radioennykh i radioaktivnykh izotopov. Gerling, E.K. (ed.). Leningrad; Izdatel'stvo Nauka (1974). (In Russian)
VOLCANIC ROCKS;HELIUM ISOTOPES;ISOTOPE RATIO; USSR;FUMAROLIC FLUIDS;HEATING;HELIUM 4;

ABUNDANCE;CHEMICAL COMPOSITION

5438 OXYGEN ISOTOPE ACTIVITIES AND CONCENTRATIONS IN AQUEOUS SALT SOLUTIONS AT ELEVATED TEMPERATURES. CONSEQUENCES FOR ISOTOPE GEOCHEMISTRY. Truesdell, A.H. (US Geol. Surv., Menlo Park, CA). Earth Planet. Sci. Lett.; 23: No. 3, 387-96(1974).
OXYGEN ISOTOPES;AQUEOUS SOLUTIONS;HIGH TEMPERATURE;EQUILIBRIUM;SALTS;GEOCHEMISTRY; REACTION KINETICS

5439 OXYGEN ISOTOPE FRACTIONATION BETWEEN QUARTZ AND POTASSIUM--FELDSPAR AT 600°. Blattner, P.; Bird, G.W. (New Zealand Geol. Surv., Lower Hutt, N.Z.). Earth Planet. Sci. Lett.; 23: No. 1, 21-7(1974).
OXYGEN ISOTOPES;QUARTZ;FELDSPARS; FRACTIONATION;ISOTOPE RATIO;MASS SPECTROSCOPY

5440 GEOTHERMAL ZONE OF LAKE ASSAL (TERRITOIRE FRANCAIS DES AFARS ET DES ISSAS). FIELD RESULTS AND EXPERIMENTAL STUDIES. Bosch, B.; Deschamp, J.; Leleu, M.; Lopoukhine, M.; Marce, A.; Vilbert, C. (Bur. Rech. Geol. Minieres, Orleans, Fr.). Bull. Bur. Rech. Geol. Minieres (Fr.), Sect. 2; No. 4, 367-83(1974).
GEOTHERMAL SYSTEMS;CHEMICAL COMPOSITION; OXYGEN 18;SULFUR 34;DEUTERIUM;TRITIUM;HOT SPRINGS;TRACE AMOUNTS;ELEMENTS;METEORIC WATER; GEOTHERMOMETRY;CHEMICAL ANALYSIS;ISOTOPE RATIO; ORIGIN;GEOCHEMISTRY

5441 OXYGEN ISOTOPE STUDY OF METAMORPHIC ROCKS FROM THE OUEGOA DISTRICT, NEW CALEDONIA. Black, P.M. (Dep. Geol., Univ. Auckland, Auckland, New Zealand). Contrib. Mineral. Petrol.; 47: No. 3, 197-206(1974).
NEW ZEALAND;OXYGEN ISOTOPES;METAMORPHIC ROCKS;QUARTZ;CALCITE;MUSCOVITE;PYROXENES; AMPHIBOLE;GEOTHERMOMETRY;TECTONICS;PRESSURE GRADIENTS;GEOTHERMAL GRADIENTS;ISOTOPE RATIO

5442 SOLUTION CALORIMETRIC AND X-RAY INVESTIGATION OF ALUMINIUM--SILICON DISTRIBUTION IN MONOCLINIC POTASSIUM FELDSPARS. Hovis, G.L. (Dep. Geol. Sci., Harvard Univ., Cambridge, MA). pp 114-44 of Feldspars, proceedings of NATO Advan. Study Inst., 2nd, 1972. MacKenzie, W.S. (ed.). New York, NY; Crane, Russak Co., Inc. (1974).
SOLUTION HEAT;X-RAY SPECTROSCOPY;FELDSPARS; ALUMINIUM;SILICON;DISTRIBUTION;ENTROPY; GEOTHERMOMETERS;THERMODYNAMIC PROPERTIES; GEOTHERMOMETRY

5443 ISOTOPE GEOCHEMISTRY OF KUROKO-TYPE ORE SOLUTION IN VIEW OF HOT SPRING WATER. Sakai, H. (Okayama Univ., Misasa, Tottori (Japan). Inst. for Thermal Spring Research). Chikyu Kagaku (Geochem.).; 7-8: No. 1, 47-55(Jun 1974). (In Japanese).
HOT SPRINGS;THERMAL WATERS;GROUND WATER; MINERALIZATION;JAPAN;SULFUR ISOTOPES;OXYGEN ISOTOPES;ISOTOPE RATIO;PYRITE;CHALCOPYRITE

5444 PRESENT-DAY HYDROTHERMAL SYSTEMS WITH DEPOSITS RICH IN HEAVY-METAL ELEMENTS, 1. ESPECIALLY THEIR CHEMICAL AND ISOTOPIC COMPOSITIONS AND ORIGINS. Shikazono, N. (Tokyo Univ. (Japan). Faculty of Science). Kozan Chishitsu; 24: No. 5, 367-376(Oct 1974). (In Japanese).
HYDROTHERMAL STAGE;SEDIMENTS;CHEMICAL COMPOSITION;BASALT;ISOTOPE RATIO;REVIEWS; GEOLOGY;PH VALUE;SEAWATER;HYDROTHERMAL SYSTEMS

5445 TEST OF ALUMINUM IN QUARTZ AS A GEOTHERMOMETER. Scotford, D.M. (Dep. Geol., Miami Univ., Oxford, OH). Am. Mineral.; 60: No. 1, 139-42(1975).
GEOTHERMOMETERS;QUARTZ;ALUMINIUM; GEOTHERMOMETRY;ABSORPTION SPECTROSCOPY; SPECTROPHOTOMETRY

5446 PRACTICAL TWO-FELDSPAR GEOTHERMOMETER. Stormer, J.C. Jr. (Dep. Geol., Univ. Georgia, Athens, GA). Am. Mineral.; 60: No. 7-8, 667-74(1975).
FELDSPARS;GEOTHERMOMETERS;PRESSURE DEPENDENCE;CALIBRATION;EQUATIONS;GEOTHERMOMETRY

5447 TEST OF ALUMINIUM IN QUARTZ AS A GEOTHERMOMETER. Scotford, D.M. (Dept. Geology, Miami Univ., Oxford, OH). Am. Mineral.; 60: No. 1/2, 139-42(Jan-Feb 1975).
QUARTZ;GEOTHERMOMETERS;ALUMINIUM; SPECTROPHOTOMETRY;CRYSTALLIZATION;TEMPERATURE MEASUREMENT;BIOTITE;MUSCOVITE;FELDSPARS; GEOTHERMOMETRY;CHEMICAL ANALYSIS

Other

Refer also to citation(s) 2123, 4382, 4416

5448 (BNWL--1942(Vol.1)) USER MANUAL FOR GEOCOST: A COMPUTER MODEL FOR GEOTHERMAL COST ANALYSIS. VOLUME I. STEAM CYCLE VERSION. Huber, H.D.; Bloomster, C.H.; Walter, R.A. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). Nov 1975. Contract E(45-1)-1830. 145p. Dep. NTIS $7.00.
COMPUTER CODES;G CODES;GEOTHERMAL ENERGY; COST;POWER GENERATION;FLASHED STEAM SYSTEM; ECONOMICS;TRANSPORT;MATHEMATICAL MODELS; GEOTHERMAL POWER PLANTS;MANUALS;GEOTHERMAL WELLS;GEOTHERMAL EXPLORATION

5449 (CONF-740209--, pp 113-151) FOCI OF VOLCANOES. Yokoyama, I. (Hokkaido Univ., Sapporo). 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
VOLCANOES;GEOMAGNETIC FIELD;MAGMA;EARTH CRUST;DEFORMATION;MASS TRANSFER;GEOLOGIC STRUCTURES;JAPAN

5450 (CONF-740209--, pp 226-228) LIMITATIONS OF ELASTICITY THEORY IN INTERPRETATION OF GROUND SURFACE DEFORMATION. Decker, R.W. (Dartmouth Coll., Hanover, NH); Dieterich, J. 1974.
From U.S.-Japan cooperative science seminar on the utilization of volcano energy; Hilo, Hawaii, USA (4 Feb 1974).
Utilization of volcano energy. Proceedings of a conference, Hilo, Hawaii, February 4--8, 1974.
DEFORMATION;SURFACES;MAGMA SYSTEMS; GRAVITATION;ELASTICITY;GROUND MOTION; MATHEMATICAL MODELS;EARTH CRUST

5451 (LBL--4420) NATIONAL GEOTHERMAL INFORMATION RESOURCE. Phillips, S.L.; Fair, J.A.; Henderson, F.B.; Trippe, T.G. (California Univ., Berkeley (USA). Lawrence

Berkeley Lab.). Sep 1975. Contract W-7405-ENG-48. 19p. (CONF-751068--1). Dep. NTIS $4.50.
INFORMATION SYSTEMS;DATA COMPILATION;REVIEWS; GEOTHERMAL RESOURCES

5452 OSCILLATORY CONVECTION IN A POROUS MEDIUM HEATED FROM BELOW. Horne, R.N.; O'Sullivan, M.J. (Univ. of Auckland, New Zealand). J. Fluid Mech.; 66: 339-352([nd]).
HEAT TRANSFER;CONVECTION;FLUID FLOW; GEOTHERMAL ENERGY;POROSITY;STEADY FLOW;RAYLEIGH WAVES

5453 RESISTANCE PYROMETER FOR MEASURING SUBSURFACE TEMPERATURE. Lane, W.C. Petrol. Engr.; 7: No. 1, 54(1935).
PYROMETERS;SPECIFICATIONS;PERFORMANCE; THERMOMETERS

5454 THERMOELECTRIC THERMOMETER FOR MEASURING AT GREAT DEPTHS. Amirkhanov, K.I. Razved. Okhr. Nedr; 10: No. 5, 65(1940). (In Russian).
BOREHOLES;TEMPERATURE MEASUREMENT; THERMOMETERS;SPECIFICATIONS;PERFORMANCE

5455 ITALIAN GEOPHYSICS BIBLIOGRAPHY. Aquilina, C. Italy; Assoc. Geofis. Itialiana (1954). 224p.
BIBLIOGRAPHIES;GEOPHYSICS;RADIOACTIVITY; VOLCANOES;SEISMOLOGY;ITALY

5456 RIDDLES OF THE EARTH. Budleynikov, F. Unknown; Moskov. Rabochiy (1958). 136p.
Book. GEOLOGY;EARTH CRUST;EARTH PLANET; ORBITS;EARTHQUAKES;VOLCANOES;GEOLOGIC STRATA; GEOLOGIC FAULTS;AGE ESTIMATION;GEOPHYSICAL SURVEYS;EQUIPMENT;GEOPHYSICS

5457 FELDSPAR GEOLOGIC THERMOMETERS. Barth, T.F.W. Nor. Geol. Tidsskr.; 42: No. 4, Pt. 2, 330-9(1962).
GEOTHERMOMETERS;FELDSPARS;GEOTHERMOMETRY; PERFORMANCE

5458 COMMENTS ON THE TWO-FELDSPAR GEOTHERMOMETER. Orville, P.M. Nor. Geol. Tidsskr.; 42: No. 4, Pt. 2, 340-6(1962).
GEOTHERMOMETERS;FELDSPARS;GEOTHERMOMETRY; SODIUM;DISTRIBUTION;CALIBRATION

5459 MEETING OF EXPERTS ON TRAINING IN GEOTHERMAL ENERGY, PARIS, 31 JUL-2 AUG 1968. Paris; France; UNESCO (United Nations Education, Scientific and Cultural Organization) (25 Oct 1967). 12p.
From UNESCO Meeting of Experts on Training in Geothermal Energy; Paris (31 Jul-2 Aug 1968).
GEOTHERMAL ENERGY;PERSONNEL;EDUCATION

5460 ECOLOGY OF A DIATOM COMMUNITY IN A THERMAL STREAM. Stockner, J.G. (Washington Univ., Seattle. Dept. of Zoology; Freshwater Biological Assoc., Ambleside (England)). Brit. Phycological Bull.; 3: No. 3, 501-14(1968).
HOT SPRINGS;WASHINGTON;ECOLOGY;PLANTS; DIATOMACEOUS EARTH;WATER POLLUTION; SEDIMENTATION;THERMAL POLLUTION

5461 PTEROPODS IN HOT BRINE SEDIMENTS OF THE RED SEA. Chen, C. pp 313-16 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;SEDIMENTS;MOLLUSCS;GEOLOGIC STRATA;VARIATIONS

5462 STERILE HOT BRINES OF THE RED SEA. Watson, S.W.; Waterbury, J.B. pp 272-81 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;SEDIMENTS;BACTERIA

5463 BACTERIAL SULFATE REDUCTION IN THE RED SEA HOT BRINES. Truper, H.G. pp 263-71 of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969).
RED SEA;BRINES;BACTERIA;CHEMICAL COMPOSITION; REDUCTION;SULFATES

5464 MATHEMATICAL ESTIMATION CONCERNING THE COOLING OF A MAGMATIC INTRUSION. Mundry, E. (Niedersachsisches Landesamt fuer Bodenforschung, W. Germany). Geothermics; No. 2, 662-8(1970).
COOLING;MAGMA;MATHEMATICAL MODELS; SOLIDIFICATION;TEMPERATURE MEASUREMENT;IGNEOUS ROCKS;THERMAL CONDUCTION

5465 COMMENTS ON PAPER BY IRSHAD R. MUFTI, GEOTHERMAL ASPECTS OF RADIOACTIVE WASTE DISPOSAL INTO THE SUBSURFACE. Sullivan, T.J.; Greer, R.T. (Iowa State Univ., Ames). J. Geophys. Res.; 77: No. 17, 3174-8(10 Jun 1972).
RADIOACTIVE WASTE DISPOSAL;UNDERGROUND DISPOSAL;GEOLOGIC DEPOSITS;HEATING;HEAT TRANSFER;RADIOISOTOPE HEAT SOURCES;GEOTHERMAL ENERGY;RADIOACTIVITY;RADIOACTIVE WASTES;HEAT FLOW;UNDERGROUND

5466 PHYSICAL MODEL OF PLANETARY MAGMATISM. Kadik, A.A.; Yaroshevskii, A.A. (Inst. of Geochemistry and Analytical Chemistry, Moscow). Geothermics; 1: No. 3, 124-131(Sep 1972).
MOCKUP;EARTH CRUST;GEOTHERMAL ENERGY; CRYSTALLIZATION;CONVECTIVE INSTABILITIES;HEAT TRANSFER;MASS TRANSFER;VOLATILITY;GEOLOGIC DEPOSITS;GRAVITATIONAL FIELDS

5467 GEOTHERMAL ENERGY; REVIEW OF RESEARCH AND DEVELOPMENT. BOOK REVIEW. Muffler, L.J.P. Eng. Geol. (Amsterdam); 7: No. 4, 409-11(1973).
GEOTHERMAL ENERGY;RESEARCH PROGRAMS;REVIEWS

5468 LIMNOLOGY OF A THERMAL LAKE, LAKE ROTOWHERO, NEW ZEALAND. I. GENERAL DESCRIPTION AND WATER CHEMISTRY. McColl, R.H.S. (Dept. Sci. Ind. Res., Lower Hutt, NZ. Ecology Div.). Hydrobiologia ; 43: No. 3/4, 313-32(1973).
THERMAL WATERS;LAKES;LIMNOLOGY;NEW ZEALAND; CHEMICAL COMPOSITION;OXYGEN;PH VALUE; CHLOROPHYLL;BIOLOGY

5469 HEAT RICH AREAS OF THE UNITED STATES. Smith, G.O. pp 21 of Geothermal exploration in the first quarter century. Anderson, D.N.; Hall, B.A. (eds.). Davis, CA; Geothermal Resources Council (1973).
USA;GEOTHERMAL ENERGY;ENERGY SOURCES;HEAT; EARTH PLANET;GEOTHERMAL RESOURCES

5470 HEAT-STORAGE WELLS FOR CONSERVING ENERGY

AND REDUCING THERMAL POLLUTION. Meyer, C.F. (General Electric-TEMPO, Santa Barbara, Calif., USA); Todd, D.K. pp 428-32 of 8th Intersociety Energy Conversion Engineering Conference Proceedings, Part 1, Philadelphia, Pa., USA, 13-16 Aug 1973. New York; AIAA (Aug 1973).
GROUND WATER;HEAT STORAGE;RECOVERY;COST; WASTE HEAT

5471 PROPOSAL FOR AN INTERNATIONAL GEOTHERMAL INFORMATION CENTER. Lyon, R.N. (ORNL, Oak Ridge, TN). pp 126-7 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
GEOTHERMAL ENERGY;INFORMATION;INFORMATION SYSTEMS;INTERNATIONAL ORGANIZATIONS

5472 WORLD GEOTHERMAL FINANCING. Burnside, R.A. pp 128-31 of Geothermal world directory 1973. Meadows, K.F. (ed.). Glendora, CA; Katherine F. Meadows (Aug 1973).
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5473 CHEMICAL PROCESSING GEOTHERMAL NUCLEAR CHIMNEY. Kirkorian, O.H. (to United States Atomic Energy Commission). US Patent 144,168. 9 Oct 1973. Filed date 17 May 1971. 12p.
CHEMICAL REACTIONS;NUCLEAR EXPLOSIONS; CAVITIES;CATALYSIS;CHIMNEYS;UNDERGROUND; GEOTHERMAL SYSTEMS;GEOLOGIC STRUCTURES

5474 TRANS-PACIFIC CONSULTATION CRISIS. Cleveland, H. Am. Assoc. Pet. Geol. Bull.; 58: No. 7, 1433-34(1974).
PACIFIC OCEAN;COMMUNICATIONS;PLANNING; GEOTHERMAL RESOURCES;MINERAL RESOURCES;WATER RESOURCES;COAL;PETROLEUM

5475 METHOD OF RECOVERING GEOTHERMAL ENERGY. Fitch, J.L. (to Mobil Oil Corp., New York, NY). US Patent 3,863,709. 4 Feb 1975. Filed date 20 Dec 1973. 8p.
GEOTHERMAL ENERGY;RECOVERY;GEOTHERMAL SYSTEMS;GEOLOGIC FAULTS;HYDRAULIC FRACTURING; INJECTION WELLS;FLUIDS;GEOTHERMAL WELLS

5476 GEOTHERMAL ENERGY SYSTEM. Jacoby, C.H. (to International Salt Co., Clark Summit, PA). US Patent 3,864,917. 11 Feb 1975. Filed date 19 Mar 1970. 6p.
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The title may be supplemented with additional words, or a phrase, if it appears additional information would be helpful. In cases for which the title contains little or no information related to the subject entry, it may be replaced entirely by the supplementary information. A qualifier is not always required, and in such cases the title will follow the unqualified subject descriptor.

The descriptors selected for use as subject terms are generally the names of specific materials, things, or processes. To the extent possible, a qualifier is selected to describe the properties of, or processses applied to, the subject term.

Index entries are selected to indicate the important ideas and concepts presented in a document, rather than words that may appear in the text. Within the available thesaurus terms, the most probable or logical place to look for typical information is selected. ''See references'' are included to guide users from synonymous terms or phrases to the descriptor selected as a subject heading for the concept. (e.g. *Pipeline Quality Gas* see HIGH BTU GAS). ''See also references'' are used to indicate where to find references to subject concepts that are narrower, broader, or related to a particular subject heading. To complete an exhaustive search of a given subject, all such headings should be reviewed.

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Geophysical prospecting in New Zealand's hydrothermal fields, 2317
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733238	0:2073	NTIS, $3.00; $0.95 (mf)
748309	0:2074	NTIS, $3.00; $0.95
749983	0:2075	NTIS, $3.00; $0.95 (mf)
750128	0:1230	NTIS, $3.00
751025	0:4731	NTIS
754626	0:580	NTIS, $3.00; $0.95 (mf)
754947	0:3782	NTIS, $3.00; $0.95 (mf)
756353	0:845	NTIS
764522	0:2076	NTIS, $3.50; $1.45 (mf)
764522-9	0:2077	NTIS, $3.50
766855-1	0:247	NTIS, $9.50
771016	0:276	See N-74-17801
771016	0:248	NTIS, $4.25
774108	0:3268	NTIS, $4.75; $1.45 (mf)
774108/5GA	0:3964	NTIS, $4.75; $1.45 (mf)
776243/8	0:94	NTIS, $5.75; $1.45 (mf)
782594	0:2078	NTIS
785948	0:3857	NTIS, $3.25
785948	0:3762	NTIS, $3.25
AD/A-		
005549	0:1	NTIS, $3.75
AEC-tr-		
7475	0:3955	Dep. NTIS, $3.00
AFCRL-		
70-0277	0:2079	NTIS
AFOSR-		
73-2070TR	0:276	See N-74-17801
AFOSR-TR-		
73-1344	0:247	See AD-766855-1
73-2070	0:248	See AD-771016
ANCR-		
1129	0:2	Dep. NTIS, $10.60
1138	0:3784	Dep. NTIS, $5.45
1139	0:4292	Dep. NTIS, $5.45
1139	0:3	NTIS, $5.45
1155	0:250	Dep. NTIS, $4.00
1175	0:251	Dep. NTIS, $4.00
1190	0:3785	Dep. NTIS, $4.00
1191	0:3875	Dep. NTIS, $5.45
1203	0:3786	Dep. NTIS, $4.00
1204	0:3569	Dep. NTIS, $4.00
1205	0:4056	Dep. NTIS, $4.00
1208	0:3716	Dep. NTIS, $4.00
1211	0:4293	Dep. NTIS, $4.00
1213	0:252	Dep. NTIS, $7.60
1214	0:4294	Dep. NTIS, $5.45
1220	0:3687	Dep. NTIS, $5.45
1221	0:4295	Dep. NTIS, $4.00
1222	0:3717	Dep. NTIS, $5.45
1224	0:3876	Dep. NTIS, $4.00
1226	0:3877	Dep. NTIS, $6.00
1241	0:4296	Dep. NTIS, $4.00
1245	0:3787	Dep. NTIS, $6.00
1246	0:4391	Dep. NTIS, $5.45
1247	0:3965	Dep. NTIS, $5.45
1256	0:4297	Dep. NTIS, $5.45
1261	0:3966	Dep. NTIS, $4.00
BER-		
150-118	0:850	See PB-234233
BM-IC-		
6568	0:2149	Libr. Polytech. (1932).
7273	0:2017	40: No. 10, vp(1943)
7310	0:2150	Kharkov; Tekh. Vidavnitstvo (1932).
7400	0:2174	45: No. 7-8, 127-41(1945)
7400	0:2018	17: No. 7, 218(1946)
7414	0:3295	123: No. 8, 35-40(1946)
8230	0:3523	
8601	0:4069	See PB-223715
8638	0:3688	
BM-RI-		
7962	0:5096	Bureau of Mines, Washinton, DC
8032	0:3967	Dep. NTIS, $4.00
BNL-		
19496	0:5373	Dep. NTIS
19746	0:4057	Dep. NTIS, $4.00
19970	0:3943	Dep. NTIS, $4.00
20336	0:3944	Dep. NTIS, $4.00
BNWL-		
1614	0:4214	Dep. NTIS
1866	0:4058	Dep. NTIS, $5.45
1888	0:3524	Dep. NTIS, $4.00
1911	0:3788	Dep. NTIS, $5.45
1942(Vol.1)	0:5448	Dep. NTIS, $7.00
BNWL-B-		
110	0:4215	NTIS, $3.00; $0.95 (mf)
134	0:4216	Dep. NTIS, $3.00
BNWL-SA-		
2803	0:4217	
4079	0:4218	NTIS, $3.00; $0.95 (mf)
4259(Rev.)	0:4219	Dep. NTIS, $3.00
5378	0:3525	Dep. NTIS, $4.50
CENA-BC-		
011	0:5374	INIS
CIRC-		
726	0:261	U.S. Geological Survey, Reston, VA
CONF-710108-		
1	0:4246	See UCRL-72769(Rev.1)
CONF-710571-		
	0:4	Dept. of Natural Resources, Olympia, WA
CONF-711017-		
1	0:4218	See BNWL-SA-4079
CONF-720607-		
	0:462	Trans. Am. Nucl. Soc., 15: No. 1, 14(Jun 1972)
	0:4263	Trans. Am. Nucl. Soc., 15: No. 1, 22(Jun 1972)
23	0:4231	See LA-DC-72-669
24	0:4079	See UCRL-73939
27	0:4080	See UCRL-73939(Rev.2)
CONF-720742-		
	0:6	
CONF-720817-		
2	0:4219	See BNWL-SA-4259(Rev.)(DR)
CONF-720855-		
	0:100	See RLO-2227-T16-4
CONF-720925-		
7	0:4232	See LA-DC-72-1157
CONF-720963-		
1	0:265	NTIS, $3.00; $0.95 (mf)
CONF-7209128-		
1	0:281	See NSF/RA/N-73-003
CONF-730438-		
1	0:4300	See LA-UR-73-499
CONF-730440-		

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1	0:4301	See LA-UR-73-570
CONF-730560-		
1	0:7	Dep. NTIS (US Sales Only), $3.25
CONF-7305117-		
P1	0:28	See NSF/RA/N-117(Vol.1)
P2	0:3417	See NSF/RA/N-73-117(Vol.2)
CONF-730659-		
1	0:305	See UCRL-74807
CONF-730846-		
1	0:275	See LBL-2102
CONF-730862-		
	0:100	See RLO-2227-T16-4
CONF-731226-		
	0:68	Denver; Colorado Geological Survey (1974). $3.00
CONF-740209-		
	0:96	Dep. NTIS, $37.00
1	0:4233	See LA-UR-73-1695
CONF-740222-		
2	0:4081	See UCRL-75353
CONF-740504-		
2	0:4234	See LA-UR-74-503
CONF-740631-		
1	0:3972	See LA-UR-74-740
CONF-740660-		
	0:8	See COO-2460-1
CONF-740709-		
2	0:97	See LA-UR-74-1111
CONF-740815-		
2	0:297	See SAND-74-0253
CONF-740909-		
2	0:4235	See LA-UR-74-821
CONF-740959-		
	0:15	See NSF/RA/N-74-159
1	0:4236	See LA-UR-74-1836
2	0:3973	See LA-UR-74-1880
3	0:2012	See LBL-3224
CONF-740975-		
1	0:271	See LA-5818-C
CONF-741145-		
1	0:3407	Geothermal Energy Institute, 680 Beach Street, San Francisco, CA 94109
2	0:2086	AMAX Exploration, Inc., 4704 Harlan Street, Denver, CO 80212
3	0:266	Amax Exploration, Inc., 4704 Harlan St., Denver, CO 80212
CONF-741162-		
1	0:2087	
CONF-741253-		
	0:4060	Bureau of Mines, Washington, D.C. (USA)
CONF-750353-		
1	0:4408	See LBL-3263
CONF-750431-		
1	0:2102	See LA-UR-75-723
CONF-750525-		
3	0:298	See SAND-75-5492
4	0:4082	See UCRL-76855
5	0:3974	See LA-UR-75-971
6	0:4237	See LA-UR-75-953
7	0:2103	See LA-UR-75-952
8	0:3893	See UCRL-76532
9	0:3954	See UCRL-76417
11	0:3881	See LBL-3238
12	0:2808	See LBL-3232
14	0:3879	Dep. NTIS, $4.50
15	0:4298	Dep. NTIS, $4.50
16	0:2088	Dep. NTIS (US Sales Only), $7.75
17	0:2809	See LBL-3268
CONF-750612-		
	0:267	Dep. NTIS, $10.50
CONF-750635-		
1	0:4311	See UCRL-76408
CONF-750720-		
1	0:274	See LA-UR-75-1126
CONF-750733-		
1	0:3880	See LA-UR-75-1463
CONF-750946-		
1	0:3529	See UCRL-77031
CONF-751068-		
1	0:5451	See LBL-4420
CONF-751086-		
1	0:4138	See UCRL-77544
2	0:4127	See LA-UR-75-2335
3	0:2810	See LBL-4422
CONF-751154-		
1	0:299	See SAND-75-6160
CONF-751224-		
1	0:4247	See UCRL-77637
COO-		
2460-1	0:8	Dep. NTIS, $10.60
DES-		
72-18	0:3277	See PB-206161-D
72-52	0:3951	See PB-208662-D
E-		
73-10874	0:1237	NTIS, $3.00; $1.45 (mf)
74-10385	0:1238	NTIS, $4.00; $1.45 (mf)
74-10385	0:1239	NTIS, $4.00
74-10467	0:1240	NTIS, $5.50; $1.45 (mf)
74-10480	0:2096	NTIS, $4.00; $1.45 (mf)
74-10624	0:987	See NASA-CR-138734
74-10701	0:982	NTIS, $4.00; $2.25 (mf)
EIR-		
0188	0:3269	See EIS-CA-73-0188-F
EIS-CA-		
72-4895-F	0:3946	NTIS, $7.50; $0.95 (mf)
73-0188-F	0:3269	NTIS, $3.00; $0.95 (mf)
73-1681-F-1	0:3409	NTIS, $1.45
73-1681-F-1-	0:3410	GPO, $4.20
73-1681-F-2	0:3411	NTIS, $1.45
73-1681-F-2-	0:3412	GPO, $5.85
73-1681-F-3	0:3413	NTIS, $1.45
73-1681-F-4	0:3414	NTIS, $1.45
73-1681-F-4-	0:3415	GPO, $5.65
1681-F-3-GA	0:3416	GPO, $5.60
4895-F	0:3572	NTIS, $7.50
ELR-		
1754	0:3277	See PB-206161-D
4336	0:3951	See PB-208662-D
4895	0:3946	See EIS-CA-72-4895-F
EPA-		
600/2-74-	0:3573	
EPRI-FF-		
2	0:9	NTIS, $4.00
ERDA-		
37	0:4223	Dep. NTIS, $4.00
86	0:11	Dep. NTIS, $5.45
110(Vol.2)	0:4211	Dep. NTIS, $13.60
110(Vol.4)	0:4212	Dep. NTIS, $10.00
ERDA-tr-		
43	0:800	Dep. NTIS, $10.25
95	0:4725	Dep. NTIS, $4.00
EREP-		
1-74A	0:967	See NASA-CR-138734
FES-		
72-9	0:3269	See EIS-CA-73-0188-F
72-21	0:3946	See EIS-CA-72-4895-F
FSTC-HT-		
23-437-73	0:580	See AD-754626
23-1674-73	0:3857	See AD-785948
23-1674-73	0:3762	See AD-785948
HIG-		

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75-6	0:2097	Dep. NTIS, $4.50
HIT-		
550	0:3586	See PB-224119-8-GA
IDO-		
10060	0:3975	See NVO-151
10062	0:3270	Dep. NTIS, $4.00
IGPP-UCR-		
73-18	0:276	See N-74-17801
73-18	0:248	See AD-771016
INT-OSW-RDPR-		
71-711	0:287	See PB-204625
74-696	0:4070	See PB-233051
JPRS-		
54671	0:2098	NTIS, $3.00; $0.95 (mf)
59496	0:582	NTIS, $3.00; $1.45 (mf)
60673	0:808	NTIS
60673	0:3766	NTIS
LA-		
5129	0:983	Dep. NTIS, $3.00
5207-MS	0:3970	Dep. NTIS, $3.00
5289-MS	0:3718	Dep. NTIS, $4.00
5362-MS	0:847	Dep. NTIS, $4.00
5386-MS	0:2099	Dep. NTIS, $4.00
5595	0:2806	NTIS, $4.00; $2.25 (mf)
5595-MS	0:2807	Dep. NTIS, $4.00
5780-MS	0:3271	Dep. NTIS, $4.00
5818-C	0:271	Dep. NTIS, $4.00
5819-PR	0:3272	Dep. NTIS, $4.00
5897-PR	0:3273	Dep. NTIS, $4.00
5911-MS	0:984	Dep. NTIS, $4.00
5947-MS	0:4224	Dep. NTIS, $4.00
5956-PR	0:4407	Dep. NTIS, $5.45
5965-PR	0:3971	Dep. NTIS, $4.00
6017-MS	0:985	Dep. NTIS, $4.00
6022-MS	0:2100	Dep. NTIS, $4.00
6080-PR	0:4225	Dep. NTIS, $4.50
6112-MS	0:3274	Dep. NTIS, $4.50
6115-MS	0:4226	Dep. NTIS, $4.00
6148-MS	0:4227	Dep. NTIS, $4.50
6169-MS	0:4228	Dep. NTIS, $4.50
6170-MS	0:4229	Dep. NTIS, $4.50
6175-MS	0:4230	Dep. NTIS, $4.50
6199-MS	0:2101	Dep. NTIS, $4.50
LA-DC-		
72-669	0:4231	NTIS, $3.00; $0.95 (mf)
72-1157	0:4232	NTIS, $3.00; $0.95 (mf)
LA-UR-		
73-499	0:4300	Dep. NTIS, $3.00
73-570	0:4301	Dep. NTIS, $3.00
73-926	0:272	Dep. NTIS, $3.00
73-1075	0:273	Dep. NTIS, $3.25
73-1316	0:3574	Dep. NTIS, $3.00
73-1695	0:4233	Dep. NTIS, $3.00
74-503	0:4234	Dep. NTIS, $4.25
74-740	0:3972	Dep. NTIS, $4.00
74-821	0:4235	Dep. NTIS, $4.00
74-1111	0:97	Dep. NTIS, $4.00
74-1836	0:4236	Dep. NTIS, $4.00
74-1880	0:3973	Dep. NTIS, $4.00
75-723	0:2102	Dep. NTIS, $5.75
75-952	0:2103	Dep. NTIS, $4.00
75-953	0:4237	Dep. NTIS, $4.50
75-971	0:3974	Dep. NTIS, $4.50
75-1126	0:274	Dep. NTIS, $4.00
75-1463	0:3880	Dep. NTIS, $4.00
75-2335	0:4127	Dep. NTIS, $4.00
LBL-		
2102	0:275	Dep. NTIS, $3.75
3224	0:2012	Dep. NTIS, $4.25
3225	0:986	Dep. NTIS, $4.00
3232	0:2808	Dep. NTIS, $4.50
3238	0:3881	Dep. NTIS, $4.75
3263	0:4408	Dep. NTIS, $6.50
3268	0:2809	Dep. NTIS, $4.50
4415	0:5179	Dep. NTIS, $8.50
4420	0:5451	Dep. NTIS, $4.50
4422	0:2810	Dep. NTIS, $3.50
N-		
67-39313	0:2104	
68-25251	0:2105	NTIS, $3.00
68-37353	0:2106	NTIS, $6.00
69-28453	0:2107	NTIS, $3.00
70-16586	0:1692	15-18(1968)
74-17801	0:276	NTIS
74-22960	0:3672	NTIS, $4.25; $2.25 (mf)
74-29337	0:12	NTIS, $6.00
74-29733	0:278	NTIS, $8.75
74-34820	0:3575	NTIS, $3.25
75-14212	0:2108	NTIS, $4.75
NASA-		
109	0:2105	See N-68-25251
110	0:2107	See N-69-28453
123	0:2106	See N-68-37353
NASA-CR-		
79136	0:2104	See N-67-39313
94781	0:2105	See N-68-25251
97274	0:2106	See N-68-37353
101454	0:2107	See N-69-28453
133491	0:1237	See E-73-10874
136868	0:1240	See E-74-10467
136883	0:2096	See E-74-10480
137170	0:1238	See E-74-10385
138734	0:987	NTIS, $5.00; $1.45 (mf)
139315	0:278	See N-74-29733
139321	0:982	See E-74-10701
139434	0:988	NTIS, $12.00
141264	0:2108	See N-75-14212
NASA-SP-		
7042	0:12	See N-74-29337
7042	0:13	NTIS, $6.00; $2.25 (mf)
7043(01)	0:14	NTIS, $4.00; $2.25 (mf)
NASA-TT-F-		
671	0:4410	NTIS, $3.00; $1.45 (mf)
696	0:1241	NTIS, $3.00; $0.95 (mf)
699	0:4411	
NOTS-TP-		
4122	0:93	See AD-636496
NP-		
19729	0:279	
20212	0:3576	GPO, $4.20
20391	0:280	Univ. of Texas, Austin
20567	0:991	United States Geological Survey; Carson City, Nevad
20694	0:98	TIC
NSF-		
74-52(Vol.1)	0:75	GPO. NTIS
NSF/RA/G-		
73-014	0:4238	See PB-231011
NSF/RA/N-		
73-003	0:281	GPO, $1.45
73-105	0:4239	See PB-238054
73-105	0:4240	See PB-238054
73-117	0:3417	Univ. of California, Riverside
74-027-A	0:282	Manager of Geothermal Projects, National Science Foundation (RANN), 1800 G Street NW, Washington, DC 20550
74-027B	0:2111	NTIS
74-042	0:3280	See PB-237111
74-042	0:3281	See PB-237111
74-132	0:3959	NTIS
74-159	0:15	Dep. NTIS, $21.00
117(Vol.1)	0:28	Univ. of California, Riverside
NTIS/PS-		
75/377	0:29	NTIS, $25.00
NVO-		
151	0:3975	Dep. NTIS, $5.50
410-30	0:3270	See IDO-10062
NWC-TP-		
5497	0:2077	See AD-764522-9
5497	0:2076	See AD-764522
ORNL-		
4999	0:4733	Dep. NTIS, $4.00
5024	0:3578	Dep. NTIS, $5.45
ORNL-CF-		
69-5-27	0:5204	J. Chem. Eng. Data, 9: 187(1964)
ORNL-EIS-		
73-52(Vol.1)	0:198	Dep. NTIS
ORNL-MIT-		
180	0:3884	Dep. NTIS, $4.50
ORNL-TM-		

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3021	0:4302	Dep. NTIS, $4.50
4135	0:3950	Dep. NTIS, $4.00
4137	0:4068	Dep. NTIS
OSW-PR-		
711	0:287	See PB-204625
PATENTS-CA-		
943,227	0:2768	
944,453	0:2769	
944,971	0:2771	
PATENTS-JP-		
10,440	0:5167	
39,622	0:5043	
PATENTS-SU-		
374,232	0:3651	
PATENTS-US-		
144,168	0:5473	
3,258,069	0:355	
3,330,356	0:4000	
3,640,336	0:4262	
3,676,078	0:3711	
3,757,516	0:3861	
3,764,660	0:4026	
3,765,477	0:4280	
3,782,468	0:4203	
3,786,858	0:4286	
3,805,587	0:2772	
3,805,606	0:4030	
3,807,727	0:2773	
3,808,889	0:2774	
3,812,457	0:2777	
3,813,656	0:4031	
3,817,038	0:3926	
3,824,793	0:3927	
3,845,627	0:3931	
3,846,986	0:4120	
3,858,397	0:4381	
3,862,545	0:3870	
3,862,576	0:3257	
3,863,709	0:5475	
3,864,208	0:4382	
3,864,917	0:5476	
3,874,174	0:3936	
3,875,749	0:3872	
3,889,473	0:4386	
3,893,299	0:3938	
3,898,020	0:3940	
3,905,196	0:4038	
3,908,380	0:3961	
3,908,381	0:3962	
3,910,050	0:3963	
3,911,683	0:3941	
PB-		
196325	0:284	NTIS, $9.00; $0.95 (mf)
196325	0:285	NTIS, $9.00
201071	0:30	NTIS, $3.00; $0.95 (mf)
203102-D	0:3579	NTIS, $3.00
203149	0:286	NTIS, $3.00; $0.95 (mf)
204625	0:287	GPO, $0.45; NTIS $0.95 (mf)
206161D	0:3276	NTIS, $3.00; $0.95 (mf)
206161-D	0:3277	NTIS, $3.00
206161-F	0:288	NTIS, $3.00; $0.95 (mf)
206161-F	0:3278	NTIS, $3.00
208662	0:3580	NTIS, $3.00
208662-D	0:3951	NTIS, $3.00
208954	0:3420	NTIS, $3.00
208954	0:3581	NTIS, $3.00; $0.95 (mf)
209942	0:4303	NTIS, $5.45; $0.95 (mf)
212753	0:289	NTIS, $3.00; $0.95 (mf)
215899	0:5180	NTIS
216423	0:290	NTIS, $4.85; $1.45 (mf)
218830	0:2014	NTIS, $5.45; $0.95 (mf)
218830	0:33	NTIS, $5.45
219376	0:2812	NTIS, $4.50;, $1.45 (mf)
219376	0:2813	NTIS, $4.50; $0.95 (mf)
220732	0:849	NTIS, $3.00; $0.95 (mf)
221289	0:996	NTIS, $9.00
222326	0:293	NTIS, $3.00; $1.45 (mf)
222948	0:294	NTIS, $6.25
223715	0:4069	NTIS, $2.70
224119-8-GA	0:3586	NTIS, $4.50
224882	0:295	NTIS, $3.75
226760	0:296	GPO, $14.25; $1.45 (mf)
231011	0:4238	NTIS, $4.50
231695	0:2121	NTIS, $4.25; $1.45 (mf)
232152	0:3279	NTIS, $3.75
233051	0:4070	NTIS, $7.75; $1.45 (mf)
233123	0:4133	NTIS, $4.75; $1.45 (mf)
233185	0:4306	NTIS, $12.75
234233	0:850	NTIS, $9.25; $1.45 (mf)
235148	0:4412	NTIS, $3.00; $2.25 (mf)
237111	0:3281	NTIS, $4.25; $2.25 (mf)
237111	0:3280	NTIS, $4.25
238054	0:4240	NTIS, $4.75
238054	0:4239	NTIS, $4.75
239718	0:4241	NTIS, $5.75
240419	0:2814	NTIS
243920	0:3723	NTIS, $5.25
PNE-		
1550	0:4242	NTIS, $3.00; $0.95 (mf)
1550	0:4243	NTIS, $3.00; $0.95 (mf)
RD/B/M-		
2533	0:4734	NTIS (US Sales Only)
RLO-		
2227-T16-4	0:100	Dep. NTIS, $14.75
2227-T19-1	0:4307	Dep. NTIS, $6.25
SAND-		
74-0253	0:297	Dep. NTIS, $4.00
74-0413	0:2123	Dep. NTIS, $4.00
75-0055	0:4071	Dep. NTIS, $4.00
75-0080	0:3952	Dep. NTIS, $4.25
75-0094	0:4072	Dep. NTIS, $4.50
75-0128	0:3976	Dep. NTIS, $4.00
75-0275	0:4134	Dep. NTIS, $6.75
75-0608	0:2124	Dep. NTIS, $4.50
75-5492	0:298	Dep. NTIS, $4.25
75-6160	0:299	Dep. NTIS, $4.50
SGP-TR-		
1	0:4241	See PB-239718
SLA-		
73_919	0:3953	Dep. NTIS
74-194	0:2125	Dep. NTIS, $4.00
TETRAT-A-		
74-339-005	0:3268	See AD-774108
TID-		
3354	0:35	Dep. NTIS, $10.60
25857	0:300	NTIS, $3.00
26747	0:36	Dep. NTIS, $5.25
26866	0:3424	Dep. NTIS, $7.00
26955	0:997	Dep. NTIS, $5.00
26985	0:998	Dep. NTIS, $4.00
TT-		
72-56033	0:851	NTIS, $3.00; $1.45 (mf)
72-56033	0:2126	NTIS, $3.00; $2.25 (mf)
UCID-		
3678	0:37	Dep. NTIS, $14.75
3711	0:5097	Dep. NTIS, $5.00
3792	0:38	Dep. NTIS, $3.50
15644-74-3	0:4073	
16619	0:4135	Dep. NTIS, $4.00
16631	0:2127	Dep. NTIS, $4.00
16670	0:584	Dep. NTIS, $10.75
16694	0:3791	Dep. NTIS, $4.00
16717	0:3587	Dep. NTIS, $4.00
16721	0:3886	Dep. NTIS, $5.50
16791	0:4136	Dep. NTIS, $4.00
16806	0:4039	Dep. NTIS, $4.25
16807	0:3425	Dep. NTIS, $4.00
16951	0:301	Dep. NTIS, $4.00
16954	0:3887	Dep. NTIS, $5.00
17008	0:999	Dep. NTIS, $3.50
UCLA-		
34P224X1	0:1000	Dep. NTIS, $4.50
UCRL-		
5298	0:3797	174: 660-1, 691-3(1952)
5298	0:3800	5: 381-8(1956)
5298	0:616	19: vp(1956)
5298	0:617	37: 286-90(1956)
7605	0:4413	
13614	0:4137	Dep. NTIS, $21.00
17767	0:4735	
51221	0:302	Dep. NTIS
51303	0:4244	Dep. NTIS
51366	0:4308	Dep. NTIS, $3.00
51747	0:4309	Dep. NTIS, $4.00
51756	0:4075	Dep. NTIS, $4.00
51813	0:303	Dep. NTIS, $5.00
51843	0:4076	Dep. NTIS, $4.00
51851	0:304	Dep. NTIS, $4.00
51861	0:3889	Dep. NTIS, $4.00
51866	0:4077	Dep. NTIS, $4.00
51877	0:101	Dep. NTIS, $4.00
51912	0:3890	Dep. NTIS, $4.50
51944	0:4245	Dep. NTIS, $4.00
51977	0:4078	Dep. NTIS, $3.50

Report No.	Abstract No.	Availability
52000-75-8	0:3892	Dep. NTIS, $4.00
52000-75-11	0:4310	Dep. NTIS, $4.00
72769(Rev.1)	0:4246	Dep. NTIS
73939	0:4079	NTIS, $3.00; $0.95 (mf)
73939(Rev.2)	0:4080	NTIS, $3.00; $0.95 (mf)
74807	0:305	Dep. NTIS, $3.50
75353	0:4081	Dep. NTIS, $4.00
76408	0:4311	Dep. NTIS, $4.25
76416	0:306	Dep. NTIS, $4.00
76417	0:3954	Dep. NTIS, $4.50
76532	0:3893	Dep. NTIS, $4.00
76855	0:4082	Dep. NTIS, $4.00
77031	0:3529	Dep. NTIS, $4.25
77544	0:4138	Dep. NTIS, $4.00
77637	0:4247	Dep. NTIS, $3.50
UCRL-Trans-		
10726	0:3737	Dep. NTIS, $3.25
10842	0:1262	Dep. NTIS, $7.50
10895	0:2047	Dep. NTIS, $5.75

Report No.	Abstract No.	Availability
USGS-		
289-1	0:4248	NTIS, $3.00; $0.95 (mf)
289-2	0:4249	NTIS, $3.00; $0.95 (mf)
474-18	0:1001	NTIS, $6.00
USGS-GD-		
73-006	0:2812	See PB-219376
73-006	0:2813	See PB-219376
73-018	0:996	See PB-221289
74-011	0:2121	See PB-231695
74-021	0:4133	See PB-233123
USGS/WRD-		
74-028	0:4412	See PB-235148
USGS/WRI-		
22-74	0:4412	See PB-235148
WASH-		
1281-8	0:39	Dep. NTIS, $12.75
1344	0:4414	Dep. NTIS, $5.45
1535-DR	0:40	Dep. NTIS alifornia

Abbreviations Used in Availability Column

Dep. ERDA reports so designated are maintained in microform at the organizations listed on the inside back cover.

GPO For sale by the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

INIS Available on microfiche at $0.65 per document from INIS Section, International Atomic Energy Agency, P. O. Box 590 A-1011, Vienna, Austria.

NTIS For sale by the National Technical Information Service (NTIS), U. S. Department of Commerce, Springfield, Virginia 22161. Price given is the domestic price for paper copy; foreign purchasers add $2.50 per report copy.

TIC Available from the USERDA Technical Information Center, P. O. Box 62, Oak Ridge, Tennessee 37830. Inquire about price.

JOURNAL LIST

Journals from which articles have been selected are listed here alphabetically by title abbreviation.

A

Acta Chim. Acad. Sci. Hung.
Acta Chimica Academiae Scientiarum Hungaricae (Hungary)

Acta Geod., Geophys. Montanistica
Acta Geodaetica, Geophysica et Montanistica (Hungary)

Acta *Geophys. Pol.*
Acta Geophysica Polonica (Poland)

Acta Phys. Chim. Debrecina
Acta Physica et Chimica Debrecina (Hungary)

Acta Polytech. Scand., Electr. Eng. Ser.
Acta Polytechnica Scandinavica, Electrical Engineering Series (Finland)

Acustica
Acustica. International Journal for Acoustics (West Germany)

Adv. Astronaut. *Sci.*
Advances in Astronautical Sciences (U.S.)

Adv. Chem. Ser.
Advances in Chemistry Series (U.S.)

Adv. Geophys.
Advances in Geophysics (U.S.)

AEI (Assoc. Electr. Ind.) Eng.
AEI (Associated Electrical Industries) Engineering (Formerly AEI Engineering Review) (England)
Superseded by G.E.C.-A.E.I. Journal of Science and Technology

AIChE Symp. Ser.
AIChE Symposium Series (U.S.)
Supersedes Chem. Eng. Progr., Symp. Ser.

AIP (Am. Inst. Phys.) Conf. Proc.
AIP (American Institute of Physics) Conference Proceedings (U.S.)

Akust. Zh.
Akusticheskii Zhurnal (USSR) For English Translation See Soviet Physics-Acoustics (U.S.)

Am. Assoc. Pet. Geol. Bull.
American Association of Petroleum *Geologists Bulletin* (U.S.)

Am. J. Sci.
American Journal of Science (U. S.)

Am. Mineral.
American Mineralogist, The (U.S.)

. *Sci.*
American Scientist (U.S.)

An. Acad. Bras. Cienc.
Anais da Academia Brasileira de Ciencias (Brazil)

Anal. Chim. Acta
Analytica Chimica Acta (Netherlands)

An. Fis.
Anales de Fisica. Real Sociedad Espanola de Fisica y Quimica (Formerly Anales de la Real Sociedad Espanola de Fisica y Quimica, Serie A. Fisica) (Spain)

Ann. Chim. (Paris)
Annales de Chimie (Paris) (France)

Ann. Geofis. (Rome)
Annali di Geofisica (Rome) (Italy)

Ann. Geophys.
Annales de Geophysique (France)

Ann. Mines
Annales des Mines (France)

Ann. N.Y. Acad. Sci.
Annals of the New York Academy of Sciences (U.S.)

Ann. Univ. Sci. Budapest. Rolando Eotvos Nominatae, Sect. Geol.
Annales Universitatis Scientiarum Budapestinensis de Rolando Eotvos Nominatae, Sectio Geologica (Hungary)

An. Quim.
Anales de Quimica. Real Sociedad Espanola de Fisica y Quimica (Formerly Anales de la Real Sociedad Espanola de Fisica y Quimica, Serie B. Quimica) (Spain)

Arch. Energiewirtsch.
Archiv fuer Energiewirtschaft (West Germany)

Asahi Garasu Kenkyu Hokoku
Asahi Garasu Kenkyu Hokoku (Reports of the Research Lab., Asahi Glass Co.) (Japan)

At. Energy Aust.
Atomic Energy in Australia (Australia)

Atoomenerg. Haar Toepass.
Atoomenergie en Haar Toepassingen (Formerly *RCN Bulletin*) (Netherlands)

Aufschluss
Aufschluss (West Germany)

Aust., Bur. Miner. Resour., Geol. Geophys., Bull.
Australia, Bureau of Mineral Resources, Geology and Geophysics, Bulletin (Australia)

Aust. J. Phys.
Australian Journal of Physics (Australia)

Aust. Min.
Australian Mining (Australia)

Australas. Corros. Eng.
Australasian Corrosion Engineering (Australia)

Australas. Eng.
Australasian Engineer (Australia)
Superseded by Australas. Wkly. Manuf.

Australas. Inst. Min. *Metall. Proc.*
Australasian Institute of Mining and Metallurgy Proceedings (Australia)

Aware
Aware (U.S.)

B

Battelle Res. Outlook

Battelle Research Outlook (U.S.)
Supersedes Battelle Tech. Rev.

Ber. Bunsenges. Phys. Chem.
Berichte der Bunsengesellschaft fuer Physikalische Chemie (Formerly Zeitschrift fuer Elektrochemie) (West Germany)

Boll. Geofis. Teor. Appl.
Bollettino di Geofisica Teorica ed Applicata (Italy)

Boll. Soc. Geol. Ital.
Bollettino della Societa Geologica Italiana (Italy)

Boll. Soc. Nat. Napoli
Bollettino della Societa dei Naturalisti in Napoli (Italy)

Bot. Gaz. (Chicago)
Botanical Gazette (Chicago) (U.S.)

Brennst.-Waerme-Kraft
Brennstoff-Waerme-Kraft (West Germany)

Br. J. Appl. Phys.
British Journal of Applied Physics (England)
Superseded by Journal of Physics, D

Bull., Bur. Miner. Resour., Geol. Geophys., Aust.
Bulletin, Bureau of Mineral Resources, Geology and Geophysics, Australia
See Aust., Bur. Miner. Resour., Geol. Geophys., Bull.

Bull. Chem. Soc. Jpn.
Bulletin of the Chemical Society of Japan (Japan)

Bull. Earthquake Res. Inst., Univ. Tokyo
Bulletin of the Earthquake Research Inst., University of Tokyo
See Tokyo Daigaku Jishin Kenkyusho Iho

Bull., Eng. Geol. Hydrogeol. (Engl. Transl.)
Bulletin, Engineering Geology and Hydrogeology (English Translation of Vesnik Zavoda za Geoloska i Geofizicka Istrazivanja, Serija B) (Yugoslavia)

Bull. Environ. Contam. Toxicol.
Bulletin of Environmental Contamination and Toxicology (U.S.-West Germany)

Bull. Fukuoka Univ. Educ., Part 3, Natur. Sci.
Bulletin of Fukuoka University of Education, Part 3, Natural Science
See Fukuoka Kyoiku Daigaku Kiyo, Dai-3-Bu, Rika-Hen

Bull. Geol. Surv. Jpn.
Bulletin of the Geological Survey of Japan (Japan)
See Chishitsu Chosasho Geppo (Japan)

Bull. Int. Assoc. Sci. Hydrol.
Bulletin of the International Association of Scientific Hydrology (Belgium)

Bull. Natl. Geophys. Res. Inst.
Bulletin of the National Geophysical Research Institute (India)

Bull. Seismol. Soc. Am.
Bulletin of the Seismological Society of America (U.S.)

Bull. Soc. Chim. Fr.
Bulletin de la Societe Chimique de France (France)

Bull. Soc. Fr. Mineral. Cristallogr.
Bulletin de la Societe Francaise de Mineralogie et de Cristallographie (France)

Bull. Soc. Geol. Fr.
Bulletin de la Societe Geologique de France (France)

Bull. Soc. Sea Water Sci., Jpn.
Bulletin of the Society of Sea Water Science, Japan
See Nippon Kaisui Gakkaishi

Bull. Ver. Schweiz. Pet.- Geol. -Ing.
Bulletin der Vereinigung der Schweizerischen Petroleum-Geologen und -Ingenieure (Switzerland)

Bull. Volcanol.
Bulletin Volcanologique (Italy)

Butsuri Tanko
Butsuri Tanko (Geophysical Exploration) (Japan)

BWK
BWK (Brennstoff-Waerme-Kraft)
See Brennst.-Waerme-Kraft

C

Calif. Min. J.
California Mining Journal (U.S.)

Can. Geogr.
Canadian Geographer (Canada)

Can. J. Chem.
Canadian Journal of Chemistry (Canada)

Can. J. Chem. Eng.
Canadian Journal of Chemical Engineering (Formerly Canadian Journal of Technology) (Canada)

Can. J. Earth Sci.
Canadian Journal of Earth Sciences (Canada)

Can. J. Microbiol.
Canadian Journal of Microbiology (Canada)

Can. J. Phys.
Canadian Journal of Physics (Canada)

Can. Min. Metall. Bull.
Canadian Mining and Metallurgical Bulletin, The (Canada)
Superseded by CIM (Can. Mining Met.) Bull.

Chem. Age India
Chemical Age of India (India)

Chem. Commun.
Chemical Communications (England)
Superseded by the Journal of the Chemical Society, D. Chemical Communications

Chem. Eng. News
Chemical Engineering News (U.S.)

Chem. Eng. Prog.
Chemical Engineering Progress (U.S.)

Chem. Erde
Chemie der Erde (West Germany)

Chem. Geol.
Chemical Geology (Netherlands)

Chemistry
Chemistry (U.S.)

Chem. Lett. (Tokyo)
Chemistry Letters (Tokyo) (Japan)

Chem. Process. (Chicago)
Chemical Processing (Chicago) (U.S.)

Chem. Process Eng. (London)
Chemical and Process Engineering (London) (England)
Superseded by Process Eng.

Chem. Rev.
Chemical Reviews (U.S.)

Chem. Technol.
Chemical Technology (U.S.)
Supersedes Ind. Eng. Chem.

Chem. Weekbl.
Chemisch Weekblad (Netherlands)

Chim. Ind. (Milan)
Chimica e l'Industria, La (Milan) (Italy)

Chishitsu Chosasho Geppo
Chishitsu Chosasho Geppo (Bulletin of the Geological Survey of Japan) (Japan)

Ciencia (Mexico)
Ciencia (Mexico), Revista Hispano-Americana de Ciencias Puras y Applicadas (Mexico)

Clays Clay Miner.
Clays and Clay Minerals (U.S.)

Colo. Sch. Min., Miner. Ind. Bull.
Colorado School of Mines, Mineral Industries Bulletin (U.S.)

Combustion
Combustion (U.S.)

Comments Earth Sci., Geophys.
Comments on Earth Sciences, Geophysics (England)

Com. Naz. Energ. Nucl., Not.
Comitato Nazionale per l'Energia Nucleare, Notiziario (Italy)

Compt. Rend. Soc. Geol. Fr.
Compte Rendu Sommaire des Seances de la Societe Geologique de France (France)

Consult. Eng. (London)
Consulting Engineer (London) (England)

Consult. Eng. (St. Joseph, Mich.)
Consulting Engineer (St. Joseph, Mich.) (U.S.)

Contrib. Mineral. Petrol.
Contributions to Mineralogy and Petrology (West Germany)

Corrosion
Corrosion (U.S.)

Corros. Sci.
Corrosion Science (England)

C. R. Acad. Bulg. Sci.
Comptes Rendus de l'Academie Bulgare des Sciences (Bulgaria)

C. R. Hebd. Seances Acad. Sci.
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences (France)
Divided into Series A, B, C and D

C. R. Hebd. Seances Acad. Sci., Ser. A, B
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Series A, et B (France)
Series A, B issued separately as Compt. Rend., Ser. A and Compt. Rend., Ser. B; resumed publication as combined volume; paged separately

C. R. Hebd. Seances Acad. Sci., Ser. C
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie C (France)

C. R. Hebd. Seances Acad. Sci., Ser. D
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie D (France)

Curr. Sci. (India)
Current Science (India)

D

Def. Sci. J. (New Delhi)
Defence Science Journal (New Delhi) (India)

Desalination
Desalination (Netherlands)

Dokl. Akad. Nauk Azerb. SSR
Doklady Akademii Nauk Azerbaidzhanskoi SSR (Azerbaidzhan S.S.R.)

Dokl. Akad. Nauk BSSR
Doklady Akademii Nauk BSSR (Belorussian S.S.R.)

Dokl. Akad. Nauk SSSR
Doklady Akademii Nauk SSSR (U.S.S.R.)
Issued in English Translation by Sections

Dokl. Akad. Nauk Uzb. SSR
Doklady Akademii Nauk Uzbekskoi SSR (Uzbek S.S.R.)

Dokl. Bolg. Akad. Nauk
Doklady Bolgarskoi Akademii Nauk (Bulgaria)
See Comptes Rendus de l'Academie Bulgare des Sciences (Bulgaria)

Dokl. Earth Sci. Sect. (Engl. Transl.)
Doklady, Earth Sciences Sections (English Translation) (U.S.)

Dopov. Akad. Nauk Ukr. RSR, Ser. B
Dopovidi Akademii Nauk Ukrains'koi RSR, Seriya B Geologiia, Geofizika, Khimiya na Biologiya (Supersedes In Part Dopovidi Akademii Nauk Ukrains'koi RSR) (Ukrainian S.S.R.)

E

Earth Miner. Sci.
Earth and Mineral Sciences (U.S.)

Earth Planet. Sci. Lett.
Earth and Planetary Science Letters (Netherlands)

Earth Sci. Bull.
Earth Science Bulletin (U.S.)

Earth-Sci. Rev.
Earth-Science Reviews (Netherlands)

Ecology
Ecology (U.S.)

Econ. Geol.
Economic Geology and the Bulletin of the Society of Economic Geologists (U.S.)

Eisei Kagaku
Eisei Kagaku (The Journal of Hygienic Chemistry) (Japan)

Electr. Eng. (Melbourne)
Electrical Engineer (Melbourne) (Australia)

Electr. Light Power (Boston)
Electric Light and Power (Boston) (U.S.)
Superseded by Electr. Light Power, E/G Ed. and Electr. Light Power, T/D Ed.; reverted to former title

Electrochim. Acta
Electrochimica Acta (England)

Electronics
Electronics (U.S.)

Electron. World
Electronics World (U.S.)
Included in Popular Electronics

Electr. Times
Electrical Times (England)

Electr. World
Electrical World (U.S.)

Elektrokhimiya
Elektrokhimiya (U.S.S.R.)
Issued in English translation as Sov. Electrochem.

Elektrotech. Z., B
Elektrotechnische Zeitschrift, B (West Germany)

Elektr. Stn.
Elektricheskie Stantsii (U.S.S.R.)
Issued in English translation as Sov. Power Eng.

Elettrotecnica
Elettrotecnica, L' (Italy)

Energie
Energie (West Germany)

Energomashinostroenie
Energomashinostroenie (U.S.S.R.)

Energy Convers.
Energy Conversion (Formerly Advanced Energy Conversion) (England)

Energy Dig.
Energy Digest (incorporating The Journal of Fuel and Heat *Technology; and Fuel Efficiency*) (England)

Energy Int.
Energy International (U.S.)

Energy Sources
Energy Sources (U.S.)

Eng. Geol. (Amsterdam)
Engineering Geology (Amsterdam) (Netherlands)

Engineering (*London*)
Engineering (London) (England)

Eng. Min. J.
Engineering and Mining Journal (U.S.)

Environ. Lett.
Environmental Letters (U.S.)
Superseded by J. Environ. Sci. Health, Part A and J. Environ. Sci. Health, Part B

Environment
Environment (Formerly Scientist and Citizen) (U.S.)

Environ. Sci. Technol.
Environmental Science and Technology (U. S.)

EOS, Trans., Am. Geophys. Union
EOS, Transactions, American Geophysical Union (U.S.)
Supersedes Trans. Am. Geophys. Union

ERA (Foeren. Elektr. Ration. Anvaendning)
ERA (Foereningen foer Elektricitetens Rationella Anvaendning) (Sweden)

Erdoel Kohle, Erdgas, Petrochem.
Erdoel und Kohle, Erdgas, Petrochemie (West Germany)
Superseded by Erdoel Kohle, Erdgas, Petrochem. Brennst.-Chem.

F

Fiz.-Khim. Mekh. Mater.
Fiziko-Khimicheskaya Mekhanika Materialov (Ukrainian S.S.R.)
Issued in English translation as Soviet Materials Science

Fluid Mech. - Sov. Res.
Fluid Mechanics - Soviet Research (U.S.)

Fortschr. Mineral.
Fortschritte der Mineralogie (West Germany)

Fortune
Fortune (U.S.)

Fukuoka Kyoiku Daigaku Kiyo, Dai-3-Bu, Rika-Hen
Fukuoka Kyoiku Daigaku Kiyo, Dai-3-Bu, Rika-Hen (Bulletin of Fukuoka University of Education, Part 3, Natural Science) (Japan)

G

Ganseki Kobutsu Kosho Gakkaishi
Ganseki Kobutsu Kosho Gakkaishi (The Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists) (Japan)

Gas- Wasserfach
Gas- und Wasserfach, Das (West Germany)

Genie Civil
Genie Civil, Le (France)

Geochem. Int.
Geochemistry International (English Translation of Selected Articles from Geokhimiya Together with Selected Translated Geochemical Papers from Other Languages) (U.S.)

Geochemistry (Nagoya)
Geochemistry (Nagoya) (Japan)

Geochem. J. (Nagoya)
Geochemical Journal (Nagoya) (Japan)

Geochim. Cosmochim. Acta
Geochimica et Cosmochimica Acta (England)

Geoexploration
Geoexploration (Netherlands)

Geofiz. App.
Geofizicheskaya Apparatura (U.S.S.R.)

Geofiz. Kozl.
Geofizikai Kozlemenyek (Hungary)

Geofiz. Sb.
Geofizicheskii Sbornik (Ukrainian S.S.R.)

Geofiz. Sb., Akad. Nauk Ukr. SSR, Inst. Geofiz.
Geofizicheskii Sbornik, Akademiya Nauk Ukrainskoi SSR, Institut Geofiziki (Ukrainian S.S.R.)

Geokhimiya
Geokhimiya (U.S.S.R.)
Selected Articles Appear in English Translation in Geochemistry International

Geol. Foeren. Stockh. Foerh.
Geologiska Foreningens i Stockholm Forhandlingar (Sweden)

Geol. Geofiz.
Geologiya i Geofizika (U.S.S.R.)

Geol. Jahrb., Reihe C
Geologisches Jahrbuch, Reihe C. Hydrogeologie, Ingenieurgeologie (West Germany)
Supersedes in part Geol. Jahrb.

Geol. Mag.
Geological Magazine (England)

Geol. Mijnbouw
Geologie en Mijnbouw (Netherlands)

Geol. Nefti Gaza
Geologiya Nefti i Gaza (U.S.S.R.)

Geol. Rud. Mestorozhd.
Geologiya Rudnykh Mestorozhdenii, Akademiya Nauk SSSR (U.S.S.R.)

Geol. Rundsch.
Geologische Rundschau (West Germany)

Geol. Soc. Am., Bull.
Geological Society of America, Bulletin (U.S.)

Geol. Zh. (Russ. Ed.)
Geologicheskii Zhurnal (Russian Edition) (Ukrainian S.S.R.)

Geophys. Explor.
Geophysical Exploration
See Butsuri Tanko

Geophys. Geol. (Leipzig)
Geophysik und Geologie (Leipzig) (East Germany)

Geophysics
Geophysics (U.S.)

Geophys. J. R. Astron. Soc.
Geophysical Journal of The Royal Astronomical Society (England)

Geophys. Mag. (Tokyo)
Geophysical Magazine (Tokyo) (Japan)

Geotektonika
Geotektonika (U.S.S.R.)

Geotherm. Energy Mag.
Geothermal Energy Magazine (title varies: Geothermal Energy Magazine; Geothermal Energy) (U.S.)

Geothermics
Geothermics (U.S. - Italy)

Geotimes
Geotimes (U.S.)

G. Fis. Sanit. Prot. Radiaz.
Giornale di Fisica Sanitaria e Protezione Contro le Radiazioni (Italy)
Ceased publication

Gidrokhim. Mater.
Gidrokhimicheskie Materialy (U.S.S.R.)

Gig. Sanit.
Gigiena i Sanitariya (U.S.S.R.) Issued in English Translation as Hygiene and Sanitation (USSR)

Glas. Prir. Muz. Beogr., Ser. A
Glasnik Prirodnjackog Muzeja u Beogradu, Serija A. Mineralogija, Geologija, Palentologija (Yugoslavia)

Glastech. Ber.
Glastechnische Berichte (West Germany)

Glueckauf
Glueckauf (West Germany)

Gorn. Zh.
Gornyi Zhurnal (U.S.S.R.)

Ground Water
Ground Water (U. S.)

GWF
GWF
See Gas- und Wasserfach

H

Health Phys.
Health Physics (England)

Heat., Piping Air Cond.
Heating, Piping and Air Conditioning (U.S.)

Heat Transfer - Sov. Res.
Heat Transfer - Soviet Research (U.S.)

High Temp. (USSR) (Engl. Transl.)
High Temperature (USSR) (English Translation of Teplofizika Vysokikh Temperatur) (U. S.)

Hydrobiologia
Hydrobiologia (Netherlands)

I

IEEE Trans. Aerosp. Electron. Syst.
IEEE (Institute of Electrical and Electronics Engineers) Transactions on Aerospace and Electronics Systems (U.S.)

IEEE Trans. Geosci. Electron.
IEEE (Institute of Electrical and Electronics Engineers), Transactions on Geoscience Electronics (U.S.)

IEEE Trans. Ind. Appl.
IEEE (Institue of Electrical and Electronics Engineers)
Transactions on Industry Applications (U.S.)
Supersedes IEEE Trans. Ind. Gen. Appl.

IEEE Trans. Power Appar. Syst.
IEEE (Institute of Electrical and Electronics Engineers) Transactions on Power Apparatus and Systems (U.S.)
Supersedes Trans. Am. Inst. Electr. Eng., Part 3

Impact Sci. Soc.
Impact of Science on Society (France)

Ind. Eng. Chem., Process Des. Dev.
Industrial and Engineering Chemistry, Process Design and Development (U.S.)

Indian J. Chem.
Indian Journal of Chemistry (India)
Divided into Section A and Section B

Indian J. Meteorol. Geophys.
Indian Journal of Meteorology and Geophysics (India)

Indian J. Phys.
Indian Journal of Physics and Proceedings of The Indian Association for the Cultivation of Science (India)

Indian J. Pure Appl. Phys.
Indian Journal of Pure and Applied Physics (India)

Ind. Min.
Industria Mineraria (Italy)

Ind. Miner. (St.-Etienne, Fr.)
Industrie Minerale (St.-Etienne, France) (France)
Supersedes Revue de l'Industrie Minerale and Mines et Chimie

Ingenieur (Utrecht)
Ingenieur, De (Utrecht) (Netherlands)

Inorg. Chem.
Inorganic Chemistry (U.S.)

Inorg. Mater. (USSR) (Engl. Transl.)
Inorganic Materials (USSR) (English Translation of Izvestiya Akademii Nauk SSSR, Neorganicheskie Materialy) (U.S.)

Inst. Min. Metall., Trans., Sect. B
Institution of Mining and Metallurgy, Transactions/Section B. Applied Earth Science (Continues in Part Transactions of the Institution of Mining and Metallurgy) (England)

Int. Assoc. Sci. Hydrol., Bull.
International Association of Scientific Hydrology, Bulletin (Belgium)
See Bull. Int. Assoc. Sci. Hydrol.

Int. Geol. Rev.
International Geology Review (U.S.)

Int. J. Heat Mass Transfer
International Journal of Heat and Mass Transfer (England)

Int. J. Mech. Sci.
International Journal of Mechanical Sciences (England)

Int. Ver. Theor. Angew. Limnol., Verh.
Internationale Vereinigung fuer Theoretische und Angewandte Limnologie, Verhandlungen (West Germany)

Inzh.-Fiz. Zh.
Inzhenerno-Fizicheskii Zhurnal (Formerly Inzhenerno-Fizicheskii Zhurnal, Akademii Nauk Belorusskoi SSR) (Belorussian S.S.R.)

Isr. J. Chem.
Israel Journal of Chemistry (Supersedes Bulletin of the Research Council of Israel, Section A Chemistry) (Israel)

Isr. J. Earth-Sci.
Israel Journal of Earth-Sciences (Israel)

Izv. Akad. Nauk Arm. SSR, Nauki Zemle
Izvestiya Akademii Nauk Armyanskoi SSR, Nauki o Zemle (Armenian S.S.R.)

Izv. Akad. Nauk Azerb. SSR, Ser. Fiz.-Tekh. Mat. Nauk
Izvestiya Akademii Nauk Azerbaidzhanskoi SSR, Seriya Fiziko- Tekhnicheskikh i Matematicheskikh Nauk (Azerbaidzhan S.S.R.)

Izv. Akad. Nauk SSSR, Fiz. Zemli
Izvestiya Akademii Nauk SSSR, Fizika Zemli (U.S.S.R.)

Izv. Akad. Nauk SSSR, Ser. Geofiz.
Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya (U.S.S.R.)
Divided into Izv. Akad. Nauk SSSR, Fiz. Atmos. Okeana and Izv. Akad. Nauk SSSR, Fiz. Zemli

Izv. Akad. Nauk SSSR, Ser. Geogr. Geofiz.
Izvestiya Akademii Nauk SSSR, Seriya Geograficheskaya i Geofizicheskaya (U.S.S.R.)

Izv. Akad. Nauk SSSR, Ser. Geol.
Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya (U.S.S.R.)

Izv. Akad. Nauk SSSR, Ser. Khim.
Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (U.S.S.R.)
Issued in English Translation as Bull. Acad. Sci., USSR, Div. Chem. Sci.

Izv. Akad. Nauk Turkm. SSR, Ser. Fiz.-Tekh., Khim. Geol. Nauk
Izvestiya Akademii Nauk Turkmenskoi SSR, Seriya Fiziko-Tekhnicheskikh, Khimicheskikh i Geologicheskikh Nauk (Turkmen S.S.R.)

Izv. Sib. Otd. Akad. Nauk SSSR, Ser. Khim. Nauk
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Seriya Khimicheskikh Nauk (U.S.S.R.)
Issued in English Translation as Siberian Chemistry Journal

Izv. Sib. Otd. Akad. Nauk SSSR, Ser. Tekh. Nauk
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Seriya Tekhnicheskikh Nauk (U.S.S.R.)

Izv. Sib. Otd. Geol. Kom.
Izvestiya Sibirskogo Otdeleniya Geologicheskogo Komiteta (U.S.S.R.)

Izv. Vyssh. Uchebn. Zaved., Chern. Metall.
Izvestiya Vysshikh Uchebnykh Zavedenii, Chernaya Metallurgiya (U.S.S.R.)

Izv. Vyssh. Uchebn. Zaved., Energ.
Izvestiya Vysshikh Uchebnykh Zavedenii, Energetika (U.S.S.R.)

Izv. Vyssh. Uchebn. Zaved., Fiz.
Izvestiya Vysshikh Uchebnykh Zavedenii, Fizika (U.S.S.R.)
Issued in English translation as Soviet Physics Journal

Izv. Vyssh. Uchebn. Zaved., Geol. Razved.
Izvestiya Vysshikh Uchebnykh Zavedenii, Geologiya i Razvedka (U.S.S.R.)

Izv. Vyssh. Uchebn. Zaved., Gorn. Zh.
Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal (U.S.S.R.)

Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.
Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (U.S.S.R.)

Izv. Vyssh. Uchebn. Zaved., Neft Gaz
Izvestiya Vysshikh Uchebnykh Zavedenii, Neft i Gaz (Azerbaidzhan S.S.R.)

J

J. Acoust. Soc. Am.
Journal of the Acoustical Society of America (U.S.)

J. Am. Ceram. Soc.
Journal of The American Ceramic Society (U.S.)

J. Am. Chem. Soc.
Journal of The American Chemical Society (U.S.)

J. Am. Water Works Assoc.
Journal of The American Water Works Association (U.S.)

J. Appl. Electrochem.
Journal of Applied Electrochemistry (England)

J. Appl. Phys.
Journal of Applied Physics (U.S.)

J. Balenol. Soc. Jpn.
Journal of the Balneological Society of Japan
See Onsen Kagaku

J. Chem. Educ.
Journal of Chemical Education (U.S.)

J. Chem. Eng. Data
Journal of Chemical and Engineering Data (U.S.)

J. Chem. Phys.
Journal of Chemical Physics, The (U.S.)

J. Chem. Soc., A
Journal of the Chemical Society (London), A. Inorganic Physical Theoretical (Formerly a Part of Journal of the Chemical Society (London)) (England)
Superseded by J. Chem. Soc., Dalton Trans. and by J. Chem. Soc., Faraday Trans., I and II

J. Chem. Soc. Jpn., Chem. Ind. Chem.
Journal of the Chemical Society of Japan, Chemistry and Industrial Chemistry
See Nippon Kagaku Kaishi

J. Chem. Soc. Jpn., Pure Chem. Sect.
Journal of the Chemical Society of Japan, Pure Chemistry Section
See Nippon Kagaku Zasshi (Japan)

J. Chem. Soc. (London), Faraday Trans., I
Journal of the Chemical Society (London), Faraday Transactions, I (England)
Supersedes in part J. Chem. Soc., A and Trans. Faraday Soc.

J. Chem. Thermodyn.
Journal of Chemical Thermodynamics, The (England - U.S.)

J. Chim. Phys.
Journal de Chimie Physique et de Physico-Chimie Biologique (France)

J. Clay Sci. Soc. Jpn.
Journal of the Clay Science Society of Japan
See Nendo Kagoku

J. Earth Sci., Nagoya Univ.
Journal of Earth Sciences, Nagoya University, The (Japan)

J. Electrochem. Soc.
Journal of the Electrochemical Society (U.S.)

J. Eng. Power
Journal of Engineering for Power, Transactions of the ASME (American Society of Mechanical Engineers), Series A (U.S.)

J. Environ. Qual.
Journal of Environmental Quality (U.S.)

J. Fish. Res. Board Can.
Journal of the Fisheries Research Board of Canada (Canada)

J. Fluid Mech.
Journal of Fluid Mechanics (England)

J. Fuel Soc. Jpn.
Journal of the Fuel Society of Japan (Japan)
See Nenryo Kyokai-shi (Japan)

J. Geol.
Journal of Geology (U.S.)

J. Geophys. Res.
Journal of Geophysical Research (U.S.)

J. Hydrol.
Journal of Hydrology (Netherlands)

J. Hyg. Chem.
Journal of Hygienic Chemistry, The (Japan)
See Eisei Kagaku (Japan)

J. Inorg. Nucl. Chem.
Journal of Inorganic and Nuclear Chemistry (England)

J. Inst. Saf. High Pressure Gas Eng.
Journal of the Inst. of Safety of High Pressure Gas Engineering
See Koatsu Gasu

J. Jpn. Assoc. Mineral., Pet. Econ. Geol.
Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, The
See Ganseki Kobutsu Kosho Gakkaishi

J. Jpn. Chem.
Journal of Japanese Chemistry
See Kagaku no Ryoiki (Japan)

J. Jpn. Soc. Mater. Sci.
Journal of the Japan Society for Materials Science
See Zairyo (Japan)

J. Mar. Res.
Journal of Marine Research (Sears Foundation for Marine Research) (U. S.)

J. Min. Metall. Inst. Jpn.
Journal of the Mining and Metallurgical Institute of Japan
See Nippon Kogyo Kaishi (Japan)

Joekull (Reykjavik)
Joekull (Reykjavik) (Iceland)

Jokull
Jokull
See Joekull

J. Petrol.
Journal of Petrology (England)

J. Pet. Technol.
Journal of Petroleum Technology (U.S.)

J. Phycol.
Journal of Phycology (U. S.)

J. Phys. Chem.
Journal of Physical Chemistry, The (U.S.)

Jpn. J. Geol. Geogr.
Japanese Journal of Geology and Geography (Japan)

J. Power Div., Am. Soc. Civ. Eng.
Journal of the Power Division, Proceedings of the American Society of Civil Engineers (U.S.)

J. Res. U.S. Geol. Surv.
Journal of Research of the U.S. Geological Survey (U.S.)

J. S. Afr. Chem. Inst.
Journal of the South African Chemical Institute (South Africa)

J. Sci. Ind. Res.
Journal of Scientific and Industrial Research (India)

J. Sci. Instrum.
Journal of Scientific Instruments (England)
Superseded by Journal of Physics, E

J. Soc. Eng. Miner. Springs, Jpn.
Journal of the Society of Engineers for Mineral Springs, Japan
See Onsen Kogakkaishi

J. Solution Chem.
Journal of Solution Chemistry (U.S.)

J. Therm. Anal.
Journal of Thermal Analysis (England)

J. Wash. Acad. Sci.
Journal of the Washington Academy of Sciences (U.S.)

K

Kagaku No Ryoiki
Kagaku No Ryoiki (Journal of Japanese Chemistry) (Japan)

Kagaku No Ryoiki, Zokan
Kagaku No Ryoiki, Zokan (Journal of Chemisty, Supplement) (Japan)

Kagaku (Tokyo)
Kagaku (Tokyo) (Science) (Japan)

Kerntechnik
Kerntechnik Vereinigt mit Atompraxis. The Journal for Nuclear Engineers and Scientists (West Germany)

Khim. Tekhnol. (Kharkov)
Khimicheskaya Tekhnologiya (Kharkov) (Ukrainian S.S.R.)
Changed to Vopr. Khim. Khim. Tekhnol.

Koatsu Gasu
Koatsu Gasu (Journal of the Inst. for Safety of High Pressure Gas Engineering) (Japan)

Kozan Chishitsu
Kozan Chishitsu (Mining Geology) (Japan)

Kwart. Geol.
Kwartalnik Geologiczny, Instytut Geologiczny (Poland)

L

Limnol. Oceanogr.
Limnology and Oceanography (U.S.)

Lithos
Lithos (Norway)

Litol. Polez. Iskop.
Litologiya i Poleznye Iskopaemye (U.S.S.R.)

Log Anal.
Log Analyst (U.S.)

M

Magy. Allami Eotvos Lorand Geofiz. Int. Evi Jelentese
Magyar Allami Eotvos Lorand Geofizikai Intezet Evi

Jelentese (Hungary)

Magy. Geofiz.
Magyar Geofizika (Hungary)

Magy. Kem. Foly.
Magyar Kemiai Folyoirat (Hungary)

Mar. Chem.
Marine Chemistry (Amsterdam) (Netherlands)

Mar. Geol.
Marine Geology (Netherlands)

Mater. Prot.
Materials Protection (U.S.)
Changed to Materials Protection and Performance with Vol. 9, no. 7, 1970

Mater. Res. Stand.
Materials Research and Standards (Formerly ASTM (American Society for Testing Materials) Bulletin) (U.S.)
Superseded by ASTM Stand. News

Mech. Eng.
Mechanical Engineering (U.S.)

Mem. Fac. Eng., Kyoto Univ.
Memoirs of the Faculty of Engineering, Kyoto University (Japan)

Mem. Fac. Sci., Kyushu Univ., Ser. C
Memoirs of the Faculty of Science, Kyushu University, Series C (Japan)

Mem. Sch. Sci. Eng., Waseda Univ.
Memoirs of the School of Science and Engineering, Waseda University (Japan)

Metall. Trans.
Metallurgical Transactions (formerly Transactions of the Metallurgical Society of AIME and Transactions Quarterly of American Society for Metals) (U. S.)
Superseded by Metall. Trans., A, and Metall. Trans. B

Min. Congr. J.
Mining Congress Journal (U.S.)

Min. Eng. (London)
Mining Engineer, The, (London) Incorporating the Transactions of the Institution of Mining Engineers (England)

Min. Eng. (N.Y.)
Mining Engineering (New York) (U.S.)

Mineral. Mag.
Mineralogical Magazine and Journal of the Mineralogical Society (England)

Mineral. Petrogr. Mitt., Tschermaks
Mineralogische und Petrographische Mitteilungen, Tschermaks
See Tschermaks Mineralogische und Petrographische Mitteilungen

Mines Mag.
Mines Magazine (U. S.)

Mines Metall.
Mines et Metallurgie (France)
Ceased publication, Dec. 1972

Min. Geol.
Mining Geology (Japan)
See Kozan Chishitsu (Japan)

Min. J. (London)
Mining Journal (London) (England)

Mod. Geol.
Modern Geology (England)

N

Nat. Hist.
Natural History (U.S.)

Nature (Japan)
Nature (Japan)
See Shizen (Japan)

Nature (London)
Nature (London) (England)

Nature (London) Phys. Sci.
Nature (London) Physical Science (England) Absorbed by Nature (London)

Naturwissenschaften
Naturwissenschaften, Die (West Germany)

Neftegazov. Geol. Geofiz.
Neftegazovaya Geologiya i Geofizika (U.S.S.R.)

Neft. Khoz.
Neftyanoe Khozyaistvo (U.S.S.R.)

Nendo Kagaku
Nendo Kagaku (Journal of the Clay Science Society of Japan) (Japan)

Nenryo Kyokai-shi
Nenryo Kyokai-shi (Journal of the Fuel Society of Japan) (Japan)

Neues Jahrb. Mineral., Abh.
Neues Jahrbuch fuer Mineralogie, Abhandlungen (West Germany)

Nev., Bur. Mines, Rep.
Nevada, Bureau of Mines, Report (U.S.)

Nippon Kagaku Kaishi
Nippon Kagaku Kaishi (Journal of the Chemical Society of Japan, Chemistry and Industrial Chemistry) (Japan)
Supersedes Nippon Kagaku Zasshi and Kogyo Kagaku Zasshi

Nippon Kagaku Zasshi
Nippon Kagaku Zasshi (Journal of the Chemistry Society of Japan, Pure Chemistry Section) (Japan)
Superseded by Nippon Kagaku Kaishi

Nippon Kaisui Gakkaishi
Nippon Kaisui Gakkaishi (Bulletin of the Society of Sea Water Science, Japan) (Japan)

Nippon Kogyo Kaishi
Nippon Kogyo Kaishi (Journal of the Mining and Metallurgical Institute of Japan) (Japan)

Nor. Geol. Tidsskr.
Norsk Geologisk Tidsskrift (Norway)

Nucl. India
Nuclear India (India)

Nucl. Technol.
Nuclear Technology (U. S.)
Supersedes Nuclear Applications and Technology

N. Z. J. Geol. Geophys.
New Zealand Journal of Geology and Geophysics (New Zealand)

N. Z. J. Sci.
New Zealand Journal of Science (New Zealand)

N. Z. Sci. Rev.
New Zealand Science Review (New Zealand)

O

Oil Gas J.
Oil and Gas Journal, The (U.S.)

Oita-ken Onsen Chosa Kenkyu-kai Hokoku
Oita-ken Onsen Chosa Kenkyu-kai Hokoku (Japan)

Okeanologiya
Okeanologiya (U.S.S.R.) Issued in English translation as Oceanology (USSR)

Onsen Kagaku
Onsen Kagaku (Journal of the Balneological Society of Japan) (Japan)

Onsen Kogakkaishi
Onsen Kogakkaishi (Journal of the Society of Engineers for Mineral Springs, Japan) (Japan)

Opt. Spectra
Optical Spectra (U.S.)

P

Period. Mineral.
Periodico di Mineralogia (Italy)

Pet. Geol. (USSR) (Engl. Transl.)
Petroleum Geology (USSR) (English Translation of Geologiya Nefti i Gaza) (U.S.)

Pet. Times
Petroleum Times, The (England)

Philipp. J. Sci.
Philippine Journal of Science (Philippines)

Philos. Mag.
Philosophical Magazine, The (England)

Philos. Trans. R. Soc. London, Ser. A
Philosophical Transactions of the Royal Society of London, Series A (England)

Phys. Chem. Glasses
Physics and Chemistry of Glasses (England)

Phys. Earth Planet. Inter.
Physics of the Earth and Planetary Interiors (Netherlands)

Phys. Today
Physics Today (U.S.)

Pochvovedenie
Pochvovedenie (U.S.S.R.)
For English Translation see Soviet Soil Science

Polytech. Tijdschr. Elektrotech. Elektron.
Polytechnisch Tijdschrift, Elektrotechniek/Elektronica (Netherlands)

Power Eng.
Power Engineering (U.S.)

Power (N.Y.)
Power (New York) with which are Consolidated Science and Industry, The Engineer Review, The Engineer, The Stationary Engineer, and Operating Engineer (U.S.)

Prikl. Geofiz.
Prikladnaya Geofizika (U.S.S.R.)

Priroda
Priroda (U.S.S.R.)

Proc. Am. Power Conf.
Proceedings of the American Power Conference (U.S.)

Proc. Fujihara Mem. Fac. Eng., Keio Univ. (Tokyo)
Proceedings of the Fujihara Memorial Faculty of Engineering, Keio University (Tokyo) (Japan)

Proc. Indian Natl. Sci. Acad., Part A
Proceedings of the Indian National Science Academy, Part A. Physical Sciences (Formerly Proceedings of the National Institute of Sciences of India, Part A) (India)

Proc. Inst. Mech. Eng. (London)
Proceedings of the Institution of Mechanical Engineers (London) (England)

Proc., Inst. Teknol. Bandung
Proceedings, Institut Teknologi Bandung (Indonesia)

Proc. Jpn. Cem. Eng. Assoc.
Proceedings of Japan Cement Engineering Association
See Semento Gijutsu Nenpo

Proc. Natl. Acad. Sci. U.S.A.
Proceedings of the National Academy of Sciences of the United States of America (U.S.)

Proc. Phys. Soc. (London)
Proceedings of the Physical Society (London) Changed to Journal of Physics, A, B, and C (England)

Proc. R. Soc. (London), Ser. A
Proceedings of the Royal Society (London), Series A (England)

Prot. Met. (USSR) (Engl. Transl.)
Protection of Metals (USSR) (English Translation of Zashichita Metallov) (U.S.)

Przegl. Geol.
Przeglad Geologiczny (Poland)

Public Power
Public Power (U.S.)

Public Util. Fortn.
Public Utilities Fortnightly (U.S.)

Pure Appl. Geophys.
Pure and Applied Geophysics (Formerly Geofisica Pura e Applicata) (Switzerland)

Q

Q. Colo. Sch. Mines
Quarterly of the Colorado School of Mines (U.S.)

Q. J. Geol. Soc. London
Quarterly Journal of the Geological Society of London (England)

Queensl. Gov. Min. J.
Queensland Government Mining Journal (Australia)

R

Razved. Geofiz.
Razvedochnaya Geofizika (U.S.S.R.)

Razved. Okhr. Nedr
Razvedka i Okhrana Nedr (U.S.S.R.)

Recherche (Paris)
Recherche, La (Paris) (France) Supersedes Atomes (Paris) and Nucleus (Paris)

Rec. Trav. Chim.
Recueil des Travaux Chimiques des Pays-Bas (Netherlands)

Rep. Res. Lab., Asahi Glass Co.
Reports of the Research Laboratory, Asahi Glass Co. (Japan)
See Asahi Garasu Kenkyu Hokoku (Japan)

Rev. Alum.
Revue de l'Aluminium (France)
Changed to Revue de Aluminum et de Ses Applications in 1969

Rev. Electrotec.
Revista Electrotecnica (Argentina)

Rev. Gen. Therm.
Revue Generale de Thermique (France)
Supersedes Chal. Ind.

Rev. Geogr. Phys. Geol. Dyn.
Revue de Geographie Physique et de Geologie Dynamique (France)

Rev. Inst. Fr. Pet. Ann. Combust. Liquides
Revue de l'Institut Francais du Petrole et Annales des Combustions Liquides (France)

Rev. Roum. Chim.
Revue Roumaine de Chimie (Continuation of Revue de Chimie, Academie de la Republique Populaire Roumaine) (Romania)

Rev. Roum. Geol., Geophys. Geogr., Ser. Geol.
Revue Roumaine de Geologie, Geophysique et Geographie, Serie de Geologie (Romania)

Rev. Sci. Instrum.
Review of Scientific Instruments, The (U.S.)

Rock Mech.
Rock Mechanics (Austria)
Supersedes Rock Mechanics and Engineering Geology

S

Sb. Tr., Mosk. Inzh.-Stroitel. Inst.
Sbornik Trudov, Moskovskii Inzherno-Stroitel'nyi Institut imeni V. V. Kuibysheva (U.S.S.R.)

Schweiz. Mineral. Petrogr. Mitt.
Schweizerische Mineralogische und Petrographische Mitteilungen (Switzerland)

Sci. Am.
Scientific American (U.S.)

Sci. Cult.
Science and Culture (Calcutta) (India)

Science
Science (U.S.)

Science (Tokyo)
Science
See Kagaku (Tokyo) (Japan)

Sci. Ind. (Karachi)
Science and Industry (Karachi) (Pakistan)
Ceased publication

Sci. J.
Science Journal Incorporating Discovery (England)
Merged with New Scientist to form New Scientist and Science Journal

Sci. News (Wash., D.C.)
Science News (Washington, D.C.) (U.S.)

Sci. Pap. Coll. Gen. Educ., Univ. Tokyo
Scientific Papers of the College of General Education, University of Tokyo (Japan)

Sci. Prog. Decouverte
Science Progres Decouverte (Formerly Science Progres - La Nature) (France)

Sci. Tech. (Paris)
Sciences et Techniques (Paris) (France)

Search
Search. Science, Technology and Society (Australia)
Supersedes Australian Journal of Science

Semento Gijutsu Nenpo
Semento Gijutsu Nenpo (Proceedings of Japan Cement Engineering Association) (Japan)

Semento Gijutsu Nenpo
Semento Gijutsu Nenpo (Proceedings of Japan Cement Engineering Association) (Japan)

Seoul Natl. Univ. Fac. Pap., Sci. Technol. Ser. C
Seoul National University Faculty Papers, Science and Technology Series C (Soul Taehakkyo) (South Korea)

Shizen
Shizen (Nature) (Japan)

Silikaty
Silikaty (Czechoslovakia)

Soc. Pet. Eng. J.
Society of Petroleum Engineers Journal, The (U.S.)

Soil Sci.
Soil Science (U.S.)

Soil Sci. Soc. Am., Proc.
Soil Science Society of America, Proceedings (U.S.)

Soobshch. Akad. Nauk Gruz. SSR
Soobshcheniya Akademii Nauk Gruzinskoi SSR (Georgian S.S.R.)

Soul Taehakkyo
Soul Taehakkyo
See Seoul Natl. Univ. Fac. Pap., Sci. Technol. Ser. C

Sov. Geol.
Sovetskaya Geologiya (U.S.S.R.)

Sov. Phys. - Solid State (Engl. Transl.)
Soviet Physics-Solid State (English Translation of Fizika Tverdogo Tela) (U.S.)

Spec. Publ., Geol. Soc. Aust.
Special Publication, Geological Society of Australia (Australia)

Struct. Eng.
Structural Engineer, The (England)

Stud. Univ. Babes-Bolyai, Ser. Chem.
Studia Universitatis Babes-Bolyai, Series Chemia (Romania)

T

Tappi
Tappi (U.S.)

Tech. Mod.
Technique Moderne, La (France)

Technol. Rev.
Technology Review (U.S.)

Tecnica (Lisbon)
Tecnica (Lisbon) (Portugal)

Tectonophysics
Tectonophysics (Netherlands)

Tek. Forum
Tekniskt Forum (Finland)
Superseded by Forum for Ekonomi och Teknik

Tekh. Molodezhi
Tekhnika Molodezhi (U.S.S.R.)

Tellus
Tellus. A Quarterly Journal of Geophysics (Sweden)

Teor. Osn. Khim. Tekhnol.
Teoreticheskie Osnovy Khimicheskoi Tekhnologii (U.S.S.R.)
Issued in English translation as Theor. Found. Chem. Eng. (USSR)

Teploenergetika (Moscow)
Teploenergetika (Moscow) (U.S.S.R.)
Issued in English Translation as Thermal Engineering

Teplofiz. Vys. Temp.
Teplofizika Vysokikh Temperatur (U.S.S.R.) Issued in English Translation as High Temperature (USSR)

Termotecnica (Milan)
Termotecnica, La (Milan) (Italy)

Tokyo Daigaku Jishin Kenkyusho Iho
Tokyo Daigaku Jishin Kenkyusho Iho (Bulletin of the Earthquake Research Inst., University of Tokyo) (Japan)

Toshiba Rev., Int. Ed.
Toshiba Review, International Edition (Japan)

Trans. Am. Geophys. Union
Transactions of the American Geophysical Union (U.S.)
Superseded by EOS, Trans., Am. Geophys. Union

Trans. Am. Microsc. Soc.
Transactions of the American Microscopical Society (U.S.)

Trans. Am. Nucl. Soc.
Transactions of the American Nuclear Society (U.S.)

Trans. ASME (Am. Soc. Mech. Eng.), Ser. A, J. Eng. Power
Transactions of the ASME (American Society of Mechanical Engineers), Series A, Journal of Engineering for Power (U.S.)
See Journal of Engineering for Power (U.S.)

Trans. Faraday Soc.
Transactions of the Faraday Society (England)
Superseded by J. Chem. Soc., Faraday Trans., I and II

Trans., Gulf Coast Assoc. Geol. Soc.
Transactions, Gulf Coast Association of Geologic Societies (U.S.)

Trans., Int. Soc. Geotherm. Eng.
Transactions, International Society for Geothermal Engineering (U.S.)

Tr. Inst. Fiz. Zemli, Akad. Nauk SSSR
Trudy Instituta Fiziki Zemli, Akademiya Nauk SSSR (U.S.S.R.)

Tr. Inst. Metall. Obogashch., Akad. Nauk Kaz. SSR
Trudy Instituta Metallurgii i Obogashcheniya, Akademiya Nauk Kazakhskoi SSR (Kazakh S.S.R.)

Tr. Mineral. Muz., Akad. Nauk SSSR
Trudy Mineralogicheskogo Muzeya, Akademiya Nauk SSSR (U.S.S.R.)

Tr. Mosk. Khim.-Tekhnol. Inst.
Trudy Moskovskogo Khimiko-Tekhnologicheskogo Instituta imeni D. I. Mendeleeva (U.S.S.R.)

Tr. Novocherkassk. Politekh. Inst.
Trudy Novocherkasskogo Politekhnicheskogo Instituta (U.S.S.R.)

Tr., Vses. Nauchno-Issled. Inst. Yad. Geofiz. Geokhim.
Trudy, Vsesoyuznyi Nauchno-Issledovatel'skii Institut Yadernoi Geofiziki i Geokhimii (U.S.S.R.)

Tschermaks Mineral. Petrogr. Mitt.
Tschermaks Mineralogische und Petrographische Mitteilungen (Austria)

U

Uch. Zap. Gos. Pedagog. Inst.
Uchenye Zapiski Gosurdastyennogo Pedagogicheskogo Instituta imeni T. G. Shevchenko (Tadzhik S.S.R.)

Uch. Zap. Leningr. Gos. Univ., Ser. Fiz. Geol. Nauk
Uchenye Zapiski Leningradskogo Gosudarstvennogo Universiteta im. A. A. Zhdanova, Seriya Fizicheskikh i Geologicheskikh Nauk (U.S.S.R.)

Ukr. Fiz. Zh. (Russ. Ed.)
Ukrainskii Fizicheskii Zhurnal (Russian Edition) (Ukrainian S.S.R.)
Issued in English translation as Ukr. Phys. J.

Ukr. Khim. Zh.
Ukrainskii Khimicheskii Zhurnal (Ukrainian S.S.R.)
Issued in English Translation as Soviet Progress in Chemistry

Umschau
Umschau, Die (West Germany)
Changed to Umsch. Wiss. Tech.

Union Burma J. Sci. Technol.
Union of Burma Journal of Science and Technology (Burma)

Uzb. Geol. Zh.
Uzbekskii Geologicheskii Zhurnal (Uzbek S.S.R.)

V

Vestn. Akad. Nauk SSSR
Vestnik Akademii Nauk SSSR (U.S.S.R.)

Vestn. Leningr. Univ., Geol., Geogr.
Vestnik Leningradskogo Universiteta, Geologiya, Geografiya (Formerly Vestnik Leningradskogo Universiteta, Seriya Geologii i Geografii) (U.S.S.R.)

Vestn. Leningr. Univ., Ser. Geol. Geogr.
Vestnik Leningradskogo Universiteta, Seriya Geologii i Geografii (U.S.S.R.)
Changed to Vestnik Leningradskogo Universiteta, Geologiya, Geografiya

Vestn. Ustred. Ustavu Geol.
Vestnik Ustredniho Ustavu Geologickeho (Czechoslovakia)

Vodosnabzh. Sanit. Tekh.
Vodosnabzhenie i Sanitarnaya Tekhnika (U.S.S.R.)

Vopr. Razved. Geofiz.
Voprosy Razvedochnoi Geofiziki (U.S.S.R.)

W

Waerme- Stoffuebertrag.
Waerme- und Stoffuebertragung (West Germany)

Water Res.
Water Research (Supersedes in Part Air and Water Pollution) (England)

Water Resour. Res.
Water Resources Research (U.S.)

Wear
Wear (Netherlands)

West. Miner
Western Miner (Canada)

World Oil
World Oil (U.S.)

Z

Zairyo
Zairyo (Journal of the Japan Society for Materials Science) (Japan)

Z. Anal. Chem.
Zeitschrift fuer Analytische Chemie, Fresenius (West Germany)

Z. Angew. Geol.
Zeitschrift fuer Angewandte Geologie (East Germany)

Zap. Vses. Mineral. O-va.
Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva (U.S.S.R.)

Zashch. Met.
Zashchita Metallov (U.S.S.R.) Issued in English Translation as Protection of Metals (USSR)

Zavod. Lab.
Zavodskaya Laboratoriya (U.S.S.R.) For English Translation see Industrial Laboratory (USSR)

Z. Dtsch. Geol. Ges.
Zeitschrift der Deutschen Geologischen Gesellschaft (West Germany)

Z. Elektrochem.
Zeitschrift fuer Elektrochemie (West Germany)
Superseded by Berichte der Bunsengesellschaft fuer Physikalische Chemie

Z. Geophys.
Zeitschrift fuer Geophysik (West Germany)
Changed to J. Geophys.

Zh. Fiz. Khim.
Zhurnal Fizicheskoi Khimii (U.S.S.R.)
Issued in English Translation as Russian Journal of Physical Chemistry

Zh. Neorg. Khim.
Zhurnal Neorganicheskoi Khimii (U.S.S.R.)
Issued in English Translation as Russian Journal of Inorganic Chemistry

Zh. Obshch. Khim.
Zhurnal Obshchei Khimii (U.S.S.R.)
Issued in English Translation as Journal of General Chemistry of The USSR

Zh. Prikl. Khim.
Zhurnal Prikladnoi Khimii (U.S.S.R.)
Issued in English Translation as Journal of Applied Chemistry of the USSR

Zh. Tekh. Fiz.
Zhurnal Tekhnicheskoi Fiziki (U.S.S.R.) For English Translation see Soviet Physics-Technical Physics (U.S.)

Z. Phys.
Zeitschrift fuer Physik (West Germany)

Z. Phys. Chem. (Frankfurt)
Zeitschrift fuer Physikalische Chemie (Frankfurt) (West Germany)

Z. Phys. Chem. (Leipzig), A
Zeitschrift fuer Physikalische Chemie (Leipzig), Abt. A (East Germany)

Z. Phys. Chem. (Leipzig), B
Zeitschrift fuer Physikalische Chemie (Leipzig), Abt. B