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Forensic Science: A Bibliography of Activation Analysis Papers

**U.S.
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Forensic Science: A Bibliography of Activation Analysis Papers

G. J. Lutz, Editor

Analytical Chemistry Division
Institute for Materials Research
National Bureau of Standards
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PREFACE

This bibliography is the first of a series of bibliographies on the application of Activation Analysis to specific subjects. The bibliographies in this series are produced from the master files of the Analytical Chemistry Division's Activation Analysis Information Center and will be periodically updated.

W. Wayne Meinke, Chief
Analytical Chemistry Division

FORENSIC SCIENCE: A BIBLIOGRAPHY OF ACTIVATION ANALYSIS PAPERS

G. J. Lutz, Editor

References to Activation Analysis in Forensic Science are indexed into 32 categories for precise literature searching by the Forensic Scientist. An Author index is included.

Key words: Activation analysis in forensic science;
forensic science.

INTRODUCTION

This publication, Forensic Science: A Bibliography of Activation Analysis Papers is the first of a series of specialized bibliographies on Activation Analysis, prepared by the Analytical Chemistry Division's Activation Analysis Center.

Publications obtained by the center for inclusion in the Activation Analysis file are indexed according to the broad categories of Element Determined, Matrix Analyzed, and Technique Used. Currently there are 106 descriptive terms under Matrix Analyzed and 53 under Technique Used. Candidates for inclusion in this bibliography were gleaned from the several categories on Forensic Science as well as those of archaeological specimens, art, drugs, food and pesticides, and toxic elements in humans. Those publications considered of interest to the Forensic Scientist have been reindexed with substantially greater specificity into 32 categories for more precise literature searching.

An author index has been included and it is hoped that readers will point out omissions to the editor. The Center plans to publish revisions to this bibliography as often as growth of the literature and innovations in the field warrant.

Accession Numbers

Accession Numbers

FORENSIC SCIENCE - ACCESSION NUMBERS

- 13 AMBROSINO, G. * PINDRUS, P,
NON-DESTRUCTIVE ANALYSIS OF ANCIENT METALLIC
OBJECTS,
REVUE DE METALLURGIE, 50, 136-138 (1953) (FRENCH),
FRANCE.
- 112 KOZUKA, H. * NIWASE, K.
APPLICATION OF ACTIVATION ANALYSIS IN CRIMINAL
INVESTIGATIONS,
KAGAKU KEISATSU KENKYUSHO HOKOKU, 19, 211-214
(SEPTEMBER 1966), (JAPANESE), NATIONAL RESEARCH
INSTITUTE OF POLICE SCIENCES, JAPAN,
- 134 DEWAR, W.A. * LENIHAN, J.M.A.
A CASE OF CHRONIC ARSENICAL POISONING EXAMINATION
OF TISSUE SAMPLES BY ACTIVATION ANALYSIS,
SCOT MED. J., 1, 236-238 (1956), (ENGLISH), DEPT.
OF DERMATOLOGY, STOBHILL GENERAL HOSPITAL AND
REGIONAL PHYSICS DEPT., GLASGOW,
- 183 RUCH, R.R. * GUINN, V.P. * PINKER, R.H,
DETECTION OF GUNPOWDER RESIDUES BY NEUTRON
ACTIVATION,
NUCL. SCI. AND ENG., 20, 381-385 (1964),
(ENGLISH), GENERAL ATOMIC DIVISION, GENERAL
DYNAMICS CORP., SAN DIEGO, CALIF,
- 198 GRIFFON, H. * BARBAUD, J,
THE USE IN TOXICOLOGY OF THE RADIOACTIVITY INDUCED
IN ARSENIC FOR THE DETECTION AND STUDY OF THE
DISTRIBUTION OF THIS ELEMENT IN HAIR,
COMPT. REND., 232, 1455-1457 (1951), (FRENCH),
FRANCE.
- 310 LENIHAN, J.M.A. * SMITH, H,
CLINICAL APPLICATIONS OF ACTIVATION ANALYSIS,
SECOND UNITED NATIONS INTERNATIONAL CONFERENCE ON
THE PEACEFUL USES OF ATOMIC ENERGY, 26, P/69,
238-241 (1958), (ENGLISH), REGIONAL PHYSICS DEPT.,
WESTERN REGIONAL HOSPITAL BOARD, GLASGOW,
- 351 VOIGT, A.F. * ABU-SAMRA, A,
ANALYSIS OF A DAMASCUS STEEL BY NEUTRON AND GAMMA
ACTIVATION,
IS-1105, 12P., FEBRUARY 25, 1965, (ENGLISH),
INSTITUTE FOR ATOMIC RESEARCH AND DEPARTMENTS OF
CHEMISTRY AND NUCLEAR ENGINEERING, IOWA STATE
UNIVERSITY, AMES, IOWA,

FORENSIC SCIENCE - ACCESSION NUMBERS

- 444 BRYAN, D.E. * GUINN, V.P.
A METHOD OF COMPARING GAMMA-RAY SPECTRA FOR THE
PRESENTATION OF ACTIVATION ANALYSIS RESULTS IN
COURT.
TRANS. AM. NUCL. SOCIETY, 7, 329 (1964),
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF.
- 551 ATOMES
THE ATOMIC PILE - AID TO JUSTICE,
ATOMES, 8, 75-80 (1953), (FRENCH), FRANCE,
- 561 FMELEUS, V.M. * SIMPSON, G.
NEUTRON ACTIVATION ANALYSIS OF ANCIENT ROMAN
POTSHERDS,
NATURE, 185, 196 (1960), (ENGLISH), RESEARCH
LABORATORY FOR ARCHAEOLOGY AND THE HISTORY OF ART,
OXFORD.
- 565 FORSHUFVUD, S. * SMITH, H. * WASSEN, A.
ARSENIC CONTENT OF NAPOLEON I'S HAIR PROBABLY
TAKEN IMMEDIATELY AFTER HIS DEATH,
NATURE, 192, 103-105 (1961), (ENGLISH), VASAGATAN
33, GOTEBOG C, SWEDEN,
- 584 JERVIS, R.E.
NEUTRON ACTIVATION ANALYSIS,
CHEMISTRY IN CANADA, 27-31 (MARCH 1956),
(ENGLISH). DEVELOPMENT CHEMISTRY BRANCH, ATOMIC
ENERGY OF CANADA LIMITED, CHALK RIVER, CANADA,
- 593 LENIHAN, J.M.A.
PLATO OR PARACELSUS THE PHYSICIST'S DILEMMA,
BULL. INST. PHYS. AND PHYS. SOC., 285-288 (OCT.
1961), (ENGLISH). REGIONAL PHYSICIST, WESTERN
REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND,
- 619 ZUBER, K.
NEUTRON ACTIVATION ANALYSIS OF ROMAN COPPER COINS
FROM 250-500 A.D. PART I.
CNAEM-21 (PT.1), 34P., JAN, 1965, (ENGLISH),
TURKEY, AEC. CEKMECE NUCL. RES. CTR., ISTANBUL,
- 625 RATE, L.C.
THE USE OF ACTIVATION ANALYSIS IN PROCEDURES FOR
THE REMOVAL AND CHARACTERIZATION OF THE SURFACE
CONTAMINANTS OF HAIR.
J. FORENSIC SCI., 10, 60-72 (JAN, 1965),
(ENGLISH). OAK RIDGE TENNESSEE

FORENSIC SCIENCE - ACCESSION NUMBERS

- 706 JERVIS, R.E. * PERKONS, A.K. * MACKINTOSH, W.D. *
KERR, M.F.
ACTIVATION ANALYSIS IN FORENSIC INVESTIGATION,
PROCEEDINGS INTERNATIONAL CONFERENCE ON MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 107-113, DECEMBER 1961, (ENGLISH), DEPT. OF
CHEMICAL ENGINEERING, UNIVERSITY OF TORONTO,
TORONTO, CANADA,
- 763 BATE, L.C. * PRO, M.J. * LEDDICOTTE, G.W.
IDENTIFICATION AND COMPARISON OF PHYSICAL EVIDENCE
FOR LAW ENFORCEMENT PURPOSES BY NEUTRON ACTIVATION
ANALYSIS.
ORNL-TM-363, 1-30, APPENDIX, 1-13 (SEPTEMBER 11,
1962), (ENGLISH), OAK RIDGE NATIONAL LABORATORY,
OAK RIDGE, TENN,
- 802 BARO, G.B. * GOMEZ, H. * RUDELLI, M. * DEIBE, J.
ACTIVATION ANALYSIS OF ARSENIC IN HUMAN HAIR AND
NAILS.
REPUBLICA ARGENTINA COMISION NACIONAL DE ENERGIA
ATOMICA, INFORME NO. 107, 8P. (1964), (SPANISH)
(ENGLISH SUMMARY), COMISION NACIONAL DE ENERGIA
ATOMICA, BUENOS AIRES,
- 970 MACKINTOSH, W.D. * JERVIS, R.E.
THE DETERMINATION OF ARSENIC IN BIOLOGICAL
MATERIALS.
CRDC-958, 11P., AUGUST 1960, (ENGLISH), ATOMIC
ENERGY OF CANADA LIMITED, CHEMISTRY AND METALLURGY
DIVISION, CHALK RIVER, ONTARIO, CANADA,
- 1031 BATE, L.C. * EMERY, J.F. * LEDDICOTTE, G.W. *
PRO, M.J.
THE USE OF NEUTRON-ACTIVATION ANALYSIS IN FORENSIC
SCIENCE.
TRANS. AM. NUCL. SOC., 5, NO. 2, 283 (1962),
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE,
- 1032 SAYRE, E.V.
AUTHENTICATION OF ANCIENT ARTIFACTS BY NUCLEAR
MEANS.
TRANS. AM. NUCL. SOC., 5, NO. 2, 283 (1962),
(ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON,
N.Y.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 1034 RUCH, R.R. * GUINN, V.P. * PINKER, R.H.
DETECTION OF GUNPOWDER RESIDUES BY NEUTRON
ACTIVATION ANALYSIS,
TRANS. AM. NUCL. SOC., 5, NO. 2, 282 (1962),
(ENGLISH). GENERAL ATOMICS, SAN DIEGO,
CALIFORNIA.
- 1035 LEDDICOTTE, G.W. * ROSS, W.J. * EMERY, J.F.
THE APPLICATION OF NEUTRON-ACTIVATION ANALYSIS TO
INDIVIDUAL IDENTIFICATION,
TRANS. AM. NUCL. SOC., 5, NO. 2, 282-283 (1962),
(ENGLISH). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.
- 1077 BATE, L.C. * PRO, M.J.
APPLICATION OF ACTIVATION ANALYSIS TO FORENSIC
SCIENCE--II, DRUGS,
INTERN. J. APPL. RAD. AND ISOTOPES, 15, 111-114
(1964). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENNESSEE.
- 1132 AITKEN, M.J. * EMELEUS, V.M. * HALL, E.
NEUTRON ACTIVATION ANALYSIS OF ANCIENT SILVER
COINS,
INTERN. J. APPL. RAD. AND ISOTOPES, 9, 150 (1960),
(ENGLISH). RESEARCH LABORATORY FOR ARCHAEOLOGY AND
THE HISTORY OF ART, UNIVERSITY OF OXFORD, OXFORD,
ENGLAND.
- 1149 KIRK, P.L.
SOME FORENSIC PROBLEMS AMENABLE TO RADIOISOTOPE
TECHNIQUES,
TRANS. AM. NUCL. SOC., 5, 282 (NOV. 1962),
(ENGLISH). UNIVERSITY OF CALIFORNIA, BERKELEY,
CALIF.
- 1205 PAPPAS, A.C. * ALSTAD, J. * LUNDE, G.
DETERMINATION OF TRACE ELEMENTS IN OPIUM BY MEANS
OF ACTIVATION ANALYSIS, I, METHODS OF ANALYSIS AND
STUDIES REFERRING TO THE DETERMINATION OF THE
ORIGIN OF OPIUM,
RADIOCHIM. ACTA, 1, 109-117 (1963), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), DEPARTMENT OF
CHEMISTRY, UNIVERSITY OF OSLO, BLINDERN, NORWAY.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 1225 SMITH, H. * FORSHUFVUD, S. * WASSEN, A.
DISTRIBUTION OF ARSENIC IN NAPOLEON S HAIR.
NATURE, 194, 725-726 (1962), (ENGLISH),
DEPARTMENT OF FORENSIC MEDICINE, UNIVERSITY OF
GLASGOW.
- 1290 U.S. ATOMIC ENERGY COMMISSION
ATOMIC EVIDENCE BRINGS CONVICTION IN FEDERAL CASE
INVOLVING DISTILLING AND TRANSPORTING OF
MOONSHINE.
U.S. ATOMIC ENERGY COMMISSION BULLETIN G-112, 30,
MAY 13, 1964, (ENGLISH), U.S. ATOMIC ENERGY
COMMISSION, WASHINGTON, D.C.
- 1301 AITKEN, M.J.
PHYSICAL METHODS OF ARCHAEOLOGICAL RESEARCH,
RESEARCH (LONDON), 15, 145-151 (1962), (ENGLISH),
RESEARCH LABORATORY FOR ARCHAEOLOGY AND THE
HISTORY OF ART, UNIVERSITY OF OXFORD, ENGLAND.
- 1306 AITKEN, M.J.
PHYSICS APPLIED TO ARCHAEOLOGY--PART I,
CONTEMPORARY PHYSICS, 3, 161-176 (1962),
(ENGLISH). RESEARCH LABORATORY FOR ARCHAEOLOGY
AND THE HISTORY OF ART, UNIVERSITY OF OXFORD,
ENGLAND.
- 1376 RYBACH, L. * NISSEN, H.U.
NEUTRON ACTIVATION OF MN AND NA TRACES IN MARBLES
WORKED BY THE ANCIENT GREEKS,
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA,
VOL. I, 105-117, (1965), (ENGLISH) (FRENCH,
RUSSIAN AND SPANISH SUMMARIES), INSTITUT FUR
KRISTALLOGRAPHIE UND PETROGRAPHIE, EIDENOSSISCHE
TECHNISCHE HOCHSCHULE, ZURICH, SWITZERLAND.
- 1422 FORSLEV, A.W.
NONDESTRUCTIVE NEUTRON-ACTIVATION ANALYSIS OF
HAIR.
J. FORENSIC SCI., 11, 217-232 (APRIL 1966),
(ENGLISH). CHICAGO POLICE LABORATORY, CHICAGO,
ILLINOIS.
- 1442 OAK RIDGE NATIONAL LABORATORY
ANALYTICAL CHEMISTRY DIVISION ANNUAL PROGRESS
REPORT FOR PERIOD ENDING NOVEMBER 15, 1964,
ORNL-3750, 144P., JANUARY 1965, (ENGLISH), OAK
RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 1504 FLEGENHEIMER, J.
ACTIVATION ANALYSIS OF THE DUTCH 50 C, STAMP OF
1867.
RADIOCHIM, ACTA, 3, 61-62 (1964), (ENGLISH)
(GERMAN AND FRENCH SUMMARIES), COMISION NACIONAL
DE ENERGIA ATOMIC, BUENOS-AIRES, ARGENTINA.
- 1635 BATE, L.C. * EMERY, J.F. * LEDDICOTTE, G.W. *
LYON, W.S. * PRO, M.J.
APPLICATION OF ACTIVATION ANALYSIS TO FORENSIC
SCIENCE--I. PHYSICAL EVIDENCE,
INTERN.J. APPL. RAD. AND ISOTOPES, 14, 549-556
(1963), (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES), OAK RIDGE NATIONAL LABORATORY, OAK
RIDGE, TENN.
- 1732 BAUMGARTNER, F. * STARK, H. * SCHONTAG, A.
ACTIVATION ANALYTICAL DETERMINATION OF ANTIMONY IN
THE ANNOGRAM RANGE FOR DETERMINATION OF CHARGE
DISTANCE.
Z. ANAL. CHEM., 197, 424-430 (1963), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR RADIOCHEMIE DER
TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY.
- 1734 GOMEZ, H. * BARO, G.B.
NEUTRON ACTIVATION ANALYSIS OF ARSENIC IN HUMAN
HAIRS AND FINGER NAILS,
CONF-313-6, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND
NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 6P.,
OCTOBER 14-18, 1963, (ENGLISH), ATOMIC ENERGY
COMMISSION, ARGENTINA,
- 1736 JERVIS, R.E.
INSTRUMENTAL ACTIVATION ANALYSIS FOR
IDENTIFICATION OF FORENSIC SPECIMENS,
CONF-313-8, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND
NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 24P.,
OCTOBER 14-18, 1963, (ENGLISH), DEPARTMENT OF
CHEMICAL ENGINEERING AND APPLIED CHEMISTRY,
UNIVERSITY OF TORONTO, TORONTO, CANADA.
- 1737 PERKONS, A.K. * HUMMEL, R.L. * JERVIS, R.E.
COMPUTER ANALYSIS OF COMPLEX GAMMA-RAY SPECTRA.
CONF-313-9, SOCIETY FOR APPLIED SPECTROSCOPY, 2ND
NATIONAL MEETING, SAN DIEGO, CALIFORNIA, 15P.,
OCTOBER 14-18, 1963, (ENGLISH), UNIVERSITY OF
TORONTO, TORONTO, CANADA.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 1825 HOUTMAN, J.P.W. * TURKSTRA, J,
NEUTRON ACTIVATION ANALYSIS AND ITS POSSIBLE
APPLICATION FOR AGE DETERMINATION OF PAINTINGS.
RADIOCHEMICAL METHODS OF ANALYSIS, IAEA VIENNA,
VOL. I, 85-103 (1965), (ENGLISH) (FRENCH, RUSSIAN
AND SPANISH SUMMARIES), REACTOR INSTITUT, DELFT,
NETHERLANDS,
- 1834 LECHTMAN, H.N. * SAYRE, E.V,
NUCLEAR ACTIVATION AUTORADIOGRAPHY OF OIL PAINTS,
A PRELIMINARY STUDY,
BNL-8034, 11P., UNDATED, (ENGLISH), BROOKHAVEN
NATIONAL LABORATORY, UPTON, N.Y.,
- 1897 SAYRE, E.V.
THE STUDY OF ANCIENT OBJECTS BY NEUTRONS,
BNL-4868, 20P., 1962. (ENGLISH), CHEMISTRY
DEPARTMENT, BROOKHAVEN NATIONAL LABORATORY, UPTON,
N.Y.,
- 1926 SAYRE, E.V.
AUTHENTICATION OF ANCIENT ARTIFACTS BY NUCLEAR
MEANS.
TRANS. AM. NUCL. SOC., 5, 283 (NOV. 1962),
(ENGLISH). BROOKHAVEN NATIONAL LABORATORY, UPTON,
N.Y.,
- 1928 SMITH, H.
THE INTERPRETATION OF THE ARSENIC CONTENT OF HUMAN
HAIR.
J. FORENSIC SCIENCE SOCIETY, 4, NO. 4, 192-199
(1964). (ENGLISH). DEPARTMENT OF FORENSIC
MEDICINE, THE UNIVERSITY OF GLASGOW, SCOTLAND,
- 2143 JERVIS, R.E.
PRESENT STATUS OF HAIR CHARACTERIZATION STUDIES BY
ACTIVATION ANALYSIS,
TRANS. AMER. NUCL. SOC., 10, 66 (JUNE 1967),
(ENGLISH). UNIVERSITY OF TORONTO, TORONTO,
CANADA,
- 2144 LUKENS, H.R. * GUINN, V.P.
NEUTRON ACTIVATION ANALYSIS OF BULLET LEAD,
TRANS. AMER. NUCL. SOC., 10, 66-67 (JUNE 1967),
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIF,

FORENSIC SCIENCE - ACCESSION NUMBERS

- 2145 THOMAS, C.C., JR. * PILLAY, K.K.S. * SONDEL, J.A. *
THOMAS, R.C.
ACTIVATION ANALYSIS OF GUNPOWDER RESIDUES
CONTAINING RARE-EARTH TRACERS,
TRANS. AMER. NUCL. SOC., 10, 67 (JUNE 1967),
(ENGLISH). WNY-WRC, AND V.A. HOSPITAL, BUFFALO,
N.Y.
- 2464 KUBOTA, M. * TOKUNAGA, O. * NAKAMURA, Y.
DETECTION OF SB AND BA IN GUNPOWDER RESIDUES BY
NEUTRON ACTIVATION ANALYSIS,
KAGAKU KEISATSU KENKYUSHO HOKOKU, 19, 261-268
(DECEMBER 1966), (JAPANESE) (ENGLISH SUMMARY),
NATIONAL RESEARCH INSTITUTE OF POLICE SCIENCES,
JAPAN,
- 2495 VOIGT, A.F. * ABU-SAMRA, A.
ANALYSIS OF A DAMASCUS STEEL BY NEUTRON AND GAMMA
ACTIVATION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 22-25, APRIL 19-22, 1965, (ENGLISH),
DEPARTMENTS OF CHEMISTRY AND NUCLEAR ENGINEERING,
IOWA STATE UNIVERSITY, AMES, IOWA,
- 2517 BRYAN, D.E. * GUINN, V.P. * SETTLE, D.M.
NEW DEVELOPMENTS IN THE APPLICATION OF NEUTRON
ACTIVATION ANALYSIS TO PROBLEMS IN SCIENTIFIC
CRIME DETECTION.
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 140-145, APRIL 19-22, 1965, (ENGLISH),
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS
CORPORATION, SAN DIEGO, CALIF.
- 2548 PERKONS, A.K. * JERVIS, R.E.
HAIR INDIVIDUALIZATION STUDIES,
PROCEEDINGS 1965 INTERNATIONAL CONFERENCE, MODERN
TRENDS IN ACTIVATION ANALYSIS, COLLEGE STATION,
TEXAS, 295-303, APRIL 19-22, 1965, (ENGLISH),
DEPARTMENT OF CHEMICAL ENGINEERING AND APPLIED
CHEMISTRY, UNIVERSITY OF TORONTO, AND ATTORNEY
GENERALS LABORATORY, TORONTO, CANADA,
- 2570 FORSHUFVUD, S. * SMITH, H. * WASSEN, A.
NAPOLEONS ILLNESS 1816-1821 IN THE LIGHT OF
ACTIVATION ANALYSES OF HAIRS FROM VARIOUS DATES.
ARCHIV FUR TOXIKOLOGIE, 20, 210-219 (1964),
(ENGLISH). GOTEBOG C, SWEDEN,

FORENSIC SCIENCE - ACCESSION NUMBERS

- 2575 ASHWORTH, M.J. * ABEL'S, T.P.
NEUTRON ACTIVATION ANALYSIS AND ARCHAEOLOGY,
NATURE, 210, NO. 5031, 9-11 (APRIL 2, 1966),
(ENGLISH). CANADIAN HISTORIC SITES DIVISION,
OTTAWA, CANADA.
- 2589 BROOKHAVEN NATIONAL LABORATORY
PHYSICAL SCIENCES AND ENGINEERING,
BNL-867, 1-117, JULY 1, 1964, (ENGLISH),
BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.
- 2605 BRYAN, D.E. * GUINN, V.P.,
USE OF NEUTRON ACTIVATION ANALYSIS IN SCIENTIFIC
CRIME DETECTION, 12-MONTH SUMMARY REPORT FOR THE
PERIOD NOVEMBER 1, 1963-OCTOBER 31, 1964,
GA-6152, 59P., FEBRUARY 15, 1965, (ENGLISH),
JOHN JAY HOPKINS LABORATORY FOR PURE AND APPLIED
SCIENCE, GENERAL ATOMIC DIVISION, SAN DIEGO,
CALIF.
- 2607 BRYAN, D.E. * GUINN, V.P.,
APPLICATION OF NEUTRON ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, 18-MONTH SUMMARY
REPORT FOR THE PERIOD MAY 1, 1962-OCTOBER 31,
1963,
GA-5556, 94P., JULY 27, 1964, (ENGLISH), JOHN JAY
HOPKINS LABORATORY FOR PURE AND APPLIED SCIENCE,
GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.
- 2645 WYTTEBACH, A.,
USES OF ACTIVATION ANALYSIS FOR CRIMINAL PROBLEMS,
I. CAR PAINT,
NEUE TECH., 7, 85-92 (APRIL 1965), (GERMAN),
EIDG. INSTITUT FUR REAKTORFORSCHUNG, WURENLINGEN,
GERMANY.
- 2647 PRO, M.J. * SCHLESINGER, H.L. * COHAN, M.D.,
ACTIVATION ANALYSIS OF PHYSICAL EVIDENCE CONNECTED
WITH ILLICIT DISTILLERIES,
J. ASSOC. OFFIC. AGR. CHEMISTS, 48, 459-471 (JUNE
1965), (ENGLISH), INTERNAL REVENUE SERVICE,
WASHINGTON, D.C.
- 2648 SCHLESINGER, H.L. * PRO, M.J. * HOFFMAN, C.M. *
COHAN, M.D.,
ACTIVATION ANALYSIS OF DRUGS,
J. ASSOC. OFFIC. AGR. CHEM., 48, 1139-1147
(DECEMBER 1965), (ENGLISH), INTERNAL REVENUE
SERVICE, WASHINGTON, D.C.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 2694 SCHROEDER, G.L. * KRANER, H.W. * EVANS, R.D.
THE APPLICATION OF LITHIUM-DRIFTED GERMANIUM
DETECTORS TO NEUTRON ACTIVATION ANALYSIS--STUDIES
IN GEOCHEMISTRY AND OF 15TH CENTURY PRINTING,
TRANS. AM. NUCL. SOC., 8, 327 (NOVEMBER 1965),
(ENGLISH), MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
CAMBRIDGE, MASS.
- 2699 BATE, L.C. * DYER, F.F.
TRACE ELEMENTS IN HUMAN HAIR,
NUCLEONICS, 23, NO. 10, 74-78, 80-81 (OCTOBER
1965), (ENGLISH), OAK RIDGE NATIONAL LABORATORY,
OAK RIDGE, TENNESSEE.
- 2739 JOHANSEN, O. * LUNDE, G. * STEINNES, E.
DETERMINATION OF TRACE ELEMENTS IN PHARMACEUTICALS
BY NEUTRON ACTIVATION ANALYSIS,
KR-91, 14P., FEBRUARY 1965, (ENGLISH), INSTITUTT
FOR ATOMENERGI, KJELLER ESTABLISHMENT, KJELLER,
NORWAY.
- 2762 SCHROEDER, G.L. * KRANER, H.W. * EVANS, R.D. *
BRYDGES, T.
LITHIUM DRIFTED GERMANIUM DETECTORS, APPLICATIONS
TO NEUTRON ACTIVATION ANALYSIS,
SCIENCE, 151, NO. 3712, 815-817 (18 FEBRUARY
1966), (ENGLISH), MASSACHUSETTS INSTITUTE OF
TECHNOLOGY, CAMBRIDGE, MASS.
- 2765 TRAVESI JIMENEZ, A.
APPLICATION OF ACTIVATION ANALYSIS TO CRIMINAL
INVESTIGATION,
ENERGIA NUCL. (MADRID), 9, 217-225 (MAY-JUNE
1965), (SPANISH), JUNTA DE ENERGIA NUCLEAR,
DIRECCION DE QUIMICA E ISOTOPOS, SECCION DE
RADIOQUIMICA.
- 2782 RUCH, R.R. * MADIGAN, S.B. * GUINN, V.P.
APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, QUARTERLY REPORT FOR
THE PERIOD ENDING JULY 31, 1963,
GA-4576, 24P., AUGUST 30, 1963, (ENGLISH),
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIF.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 2790 GUINN, V.P. * MADIGAN, S.C. * RUCH, R.R.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, QUARTERLY REPORT FOR
THE PERIOD ENDING APRIL 30, 1963,
GA-4297, 22P., MAY 31, 1963, (ENGLISH), GENERAL
ATOMIC, GENERAL DYNAMICS, SAN DIEGO, CALIF.
- 2791 GUINN, V.P.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, QUARTERLY REPORT FOR
THE PERIOD ENDING JULY 31, 1962,
GA-3491, 36P., SEPTEMBER 18, 1962, (ENGLISH),
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.
- 2792 GUINN, V.P. * RUCH, R.R. * BELLANCA, S.C.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, QUARTERLY REPORT FOR
THE PERIOD ENDING JANUARY 31, 1963,
GA-4041, 19P., FEBRUARY 28, 1963, (ENGLISH),
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.
- 2793 BUCHANAN, J.D. * RUCH, R.R.
APPLICATIONS OF NEUTRON-ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION, QUARTERLY REPORT FOR
THE PERIOD ENDING OCTOBER 31, 1962,
GA-3664, 27P., NOVEMBER 15, 1962, (ENGLISH),
GENERAL ATOMIC, GENERAL DYNAMICS, SAN DIEGO,
CALIFORNIA.
- 2926 GOMEZ, H. * BARO, G.B.
NEUTRON ACTIVATION ANALYSIS OF HUMAN HAIRS AND
NAILS FOR DETERMINING ARSENIC TRACES,
PRIMERA CONFERENCIA INTERAMERICANA DE
RADIOQUIMICA, WASHINGTON, D.C., UNION
PANAMERICANA, 51-55, 1965, (SPANISH), COMISION
NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES,
ARGENTINA.
- 2931 LEDDICOTTE, G.W. * EMERY, J.F. * BATE, L.C.
THE ASSAY, CHARACTERISTICS, COMPOSITION, AND
ORIGIN OF OPIUM, I. THE PRELIMINARY STUDY ON THE
USE OF ACTIVATION ANALYSIS IN THE DETERMINATION OF
THE ORIGIN OF OPIUM,
ORNL-TM-1263, 22P., SEPTEMBER 7, 1965, (ENGLISH),
OAK RIDGE NATIONAL LABORATORY, OAK RIDGE,
TENNESSEE.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 2943 LENIHAN, J.M.A.
THE APPLICATION OF NUCLEAR PHYSICS TO THE STUDY OF
HISTORICAL PROBLEMS,
TRANS. RHODESIA SCI. ASSN., 50, 80-85 (1964),
(ENGLISH), WESTERN REGIONAL HOSPITAL BOARD,
GLASGOW, SCOTLAND,
- 2945 SAYRE, E.V.,
REFINEMENT IN METHODS OF NEUTRON ACTIVATION
ANALYSIS OF ANCIENT GLASS OBJECTS THROUGH THE USE
OF LITHIUM DRIFTED GERMANIUM DIODE COUNTERS,
BNL-9614, 28P., 1965. (ENGLISH), BROOKHAVEN
NATIONAL LABORATORY, UPTON, N.Y.,
- 2958 SMITH, H.,
ARSENIC IN BIOLOGICAL TISSUE. ITS ESTIMATION BY
ACTIVATION ANALYSIS, PART 2,
J. FORENSIC MEDICINE, 9, 143-149 (OCTOBER-DECEMBER
1962). (ENGLISH), DEPARTMENT OF FORENSIC
MEDICINE, UNIVERSITY OF GLASGOW, SCOTLAND,
- 2959 RUCH, R.R. * BUCHANAN, J.D. * GUINN, V.P. *
BELLANCA, S.C. * PINKER, R.H.,
NEUTRON ACTIVATION ANALYSIS IN SCIENTIFIC CRIME
DETECTION--SOME RECENT DEVELOPMENTS,
J. FORENSIC SCIENCE, 9, 119-133 (JANUARY 1964),
(ENGLISH), SAN DIEGO, CALIFORNIA,
- 3065 KRISHNAN, S.S.,
DETERMINATION OF MUZZLE-TARGET DISTANCE IN GUNSHOT
FIRINGS BY NEUTRON ACTIVATION ANALYSIS,
TRANS. AMER. NUCL. SOC., 9, 88-89 (JUNE 1966),
(ENGLISH), ATTORNEY GENERALS LABORATORY, TORONTO,
CANADA,
- 3486 BRYAN, D.E. * GUINN, V.P. * SETTLE, D.M.,
APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION. 14-MONTH SUMMARY
REPORT, NOVEMBER 1, 1964-DECEMBER 31, 1965,
GA-7041, 57P., MARCH 20, 1966, (ENGLISH), JOHN
JAY HOPKINS LABORATORY FOR PURE AND APPLIED
SCIENCE, SAN DIEGO, CALIFORNIA,
- 3504 GUINN, V.P.,
FORENSIC APPLICATIONS OF ACTIVATION ANALYSIS,
ACTIVATION ANALYSIS, PRINCIPLES AND APPLICATIONS,
LENIHAN, J.M.A., THOMSON, S.J. (EDS.), NEW YORK,
ACADEMIC PRESS, 125-127, 1965, (ENGLISH),
GENERAL ATOMIC DIVISION, GENERAL DYNAMIC CORP.,
SAN DIEGO, CALIFORNIA,

FORENSIC SCIENCE - ACCESSION NUMBERS

- 3708 RUTTINK, J.
THE APPLICATION OF ACTIVATION ANALYSIS IN
BIOCHEMISTRY, QUALITATIVE ANALYSIS OF HAIR SAMPLES
WITH THE AID OF THE GAMMA SPECTRUM AFTER NEUTRON
IRRADIATION IN THE NUCLEAR REACTOR,
ACTA PHYSIOL. PHARMACOL. NEERL., 11, 515-516
(1962), (ENGLISH), MOL, BELGIUM,
- 3738 DAS, H.A. * ZONDERHUIS, J.
NON-DESTRUCTIVE ACTIVATION ANALYSIS OF ANTIQUE
GOLD COINS.
CHEM. WEEKBLAD, 61, NO. 18, 215-218 (1965),
(DUTCH), REACTOR CENTRUM NEDERLAND, PETTEN,
NETHERLANDS,
- 3968 SMYTHE, L.E.
FORENSIC APPLICATIONS OF NEUTRON ACTIVATION
ANALYSIS.
ATOMIC ENERGY AUSTRALIA, 9, NO. 2, 2-6 (APRIL
1966), (ENGLISH), ANALYTICAL CHEMISTRY SECTION,
AUSTRALIAN ATOMIC ENERGY COMMISSION, AUSTRALIA,
- 3988 LUX, F. * BRAUNSTEIN, L.
ACTIVATION ANALYSIS INVESTIGATION OF PAINTINGS.
DETERMINATION OF TRACE CONTENTS OF WHITE LEAD OF
PAINTINGS OF THE ALTE PINAKOTEK AT MUNICH,
Z. ANAL. CHEM., 221, 235-254 (1966), (GERMAN)
(ENGLISH SUMMARY), INSTITUT FUR RADIOCHEMIE DER
TECHNISCHEN HOCHSCHULE MUNCHEN, GERMANY,
- 3998 WYTTEBACH, A.
THE NONDESTRUCTIVE ACTIVATION ANALYSIS
DETERMINATION OF THE CHIEF CONSTITUENTS OF LARGER
SAMPLE PIECES (EXAMPLES USED - COINS),
HELV. CHIM. ACTA, 49, 2555-2563 (1966), (GERMAN),
EIDGENOSSISCHES INSTITUT FUR REAKTORFORSCHUNG,
WURENLINGEN, GERMANY,
- 4230 DAS, H.A. * ZONDERHUIS, J.
THE NON-DESTRUCTIVE ANALYSIS OF ANCIENT SILVER
COINS.
REC. TRAV. CHIM., 85, 837-841 (AUGUST 1966),
(ENGLISH), REACTOR CENTRUM NEDERLAND, PETTEN,
NETHERLANDS,

FORENSIC SCIENCE - ACCESSION NUMBERS

- 4263 SCOTT, J.E. * HOFFMAN, C.M. * PRO, M.J. *
SCHLESINGER, H.L.
COMPARISON OF ADHESIVE TAPES BY NEUTRON ACTIVATION
ANALYSIS.
J. ASSN. OFFIC. ANAL. CHEM., 50, NO. 2, 371-376
(1967). (ENGLISH), POST OFFICE DEPARTMENT AND
ALCOHOL AND TOBACCO TAX DIVISION, INTERNAL REVENUE
SERVICE, WASHINGTON, D.C.
- 4286 BRYAN, D.E. * GUINN, V.P.
FORENSIC ACTIVATION ANALYSIS--TRACE LEVEL ELEMENTS
IN COMMERCIAL PAINTS.
TRANS. AMER. NUCL. SOC., 9, 589 (OCT.-NOV. 1966),
(ENGLISH). GENERAL ATOMICS, SAN DIEGO, CALIFORNIA.
- 4328 ZUBER, K.
NEUTRON ACTIVATION ANALYSIS OF ROMAN COPPER COINS
FROM 250-500 A.D. PART II.
CNAEM-35, 38P., MAY 1966. (ENGLISH), P.K.I.,
HAVA ALANI, ISTANBUL, TURKEY.
- 4329 REYNOLDS, L.M. * KESSLER, W.V. * CHRISTIAN, J.E. *
ZIEMER, P.L.
USE OF ACTIVATION ANALYSIS IN PROBLEMS OF DRUG
CONTROL.
J. PHARM. SCI., 56, NO. 4, 437-443 (1967),
(ENGLISH). BIONUCLEONICS DEPARTMENT, SCHOOL OF
PHARMACY AND PHARMACAL SCIENCES, PURDUE
UNIVERSITY, LAFAYETTE, INDIANA.
- 4380 COLEMAN, R.F. * CRIPPS, F.H. * STINISON, A. *
SCOTT, H.D.
THE TRACE ELEMENT CONTENT OF HUMAN HEAD HAIR IN
ENGLAND AND WALES AND THE APPLICATION TO FORENSIC
SCIENCE.
ATOM. NO. 123, 12-22 (JANUARY 1967). (ENGLISH),
A.W.R.E., ALDERMASTON, ENGLAND.
- 5358 ATALLA, L.T. * SILVA, C.M. * LIMA, F.W.
ACTIVATION ANALYSIS OF ARSENIC IN HUMAN HAIR--SOME
OBSERVATIONS ON THE PROBLEM OF EXTERNAL
CONTAMINATION.
ANAI. ACAD. BRASIL. CIENC., 37, NO. 3-4, 433-441
(1965). (ENGLISH) (SPANISH SUMMARY). INSTITUTO
DE ENERGIA ATOMICA, DIVISAO DE RADIOQUIMICA, SAO
PAULO, SP.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 5390 COLEMAN, R.F. * CRIPPS, F.H. * STIMSON, A. *
SCOTT, H.D.
THE DETERMINATION OF TRACE ELEMENTS IN HUMAN HAIR
BY NEUTRON ACTIVATION AND THE APPLICATION TO
FORENSIC SCIENCE,
AWRE-0-86, 37P., JANUARY 1967, (ENGLISH), ATOMIC
WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON,
ENGLAND.
- 5401 COLEMAN, R.F.
NUCLEAR TECHNIQUES IN FORENSIC SCIENCE,
J. BRIT. NUCL. ENERGY SOC., 6, 134-138 (APRIL
1967). (ENGLISH), ATOMIC WEAPONS RESEARCH
ESTABLISHMENT, ALDERMASTON, ENGLAND,
- 5543 WOLICKI, E.A. * KNUDSON, A.R.
A NUCLEAR DETECTION METHOD FOR SULFUR IN THIN
FILMS.
INTERN. J. APPL. RADIATION ISOTOPES, 18, 429-433
(1967). (ENGLISH) (FRENCH, RUSSIAN AND GERMAN
SUMMARIES). U.S. NAVAL RESEARCH LABORATORY,
WASHINGTON, D.C.
- 5579 TOUSSET, J. * CONDAMIN, J. * PICON, M.
METHOD OF ANALYSIS BY ACTIVATION WITH FAST
NEUTRONS OF ANTIQUE MONEY,
LYCEN/6726, 11P., APRIL 1967, (FRENCH), INSTITUT
DE PHYSIQUE NUCLEAIRE, UNIVERSITE DE LYON AND
FACULTE LIBRE DES SCIENCES DE LYON, FRANCE,
- 5710 LYON, W.S. * MILLER, F.J.
FORENSIC APPLICATIONS OF NEUTRON ACTIVATION
ANALYSIS,
ISOTOPES RADIATION TECHNOLOGY, 4, NO. 4, 325-340
(SUMMER 1967), (ENGLISH), USA,
- 5742 ASPINALL, A. * SLATER, D.N. * MAYES, P.
NEUTRON ACTIVATION ANALYSIS OF MEDIEVAL CERAMICS,
NATURE, 217, NO. 5126, 388 (1968), (ENGLISH),
SCHOOL OF NUCLEAR PHYSICS, UNIVERSITY OF BRADFORD
AND EXTRAMURAL DEPARTMENT, UNIVERSITY OF LEEDS,
ENGLAND.
- 5750 KRISHNAN, S.S.
DETERMINATION OF GUNSHOT FIRING DISTANCES AND
IDENTIFICATION OF BULLET HOLES BY NEUTRON
ACTIVATION ANALYSIS,
J. FORENSIC SCI. SOC., 12, 112-122 (JANUARY 1967),
(ENGLISH). THE CENTRE OF FORENSIC SCIENCES,
TORONTO, ONTARIO, CANADA.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 5788 PERLMAN, I. * ASARO, F.
DEDUCTION OF PROVENIENCE OF POTTERY FROM TRACE
ELEMENT ANALYSIS,
UCRL-17937, 31P., OCTOBER 1967, (ENGLISH),
UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION
LABORATORY, BERKELEY, CALIF.
- 5869 DUBINSKAYA, N.A. * PELEKIS, L.L. * TSIRKUNOVA, I.E.
ON TREATING OF HAIR BEFORE NEUTRON ACTIVATION
ANALYSIS,
LATV. PSR ZINAT, AKAD. VESTIS, FIZ. TEH, ZINAT.
SER., NO. 3, 10-18 (1967), (RUSSIAN) (ENGLISH
SUMMARY), INSTITUTE OF PHYSICS, RIGA, RUSSIA,
- 6018 JERVIS, R.E.
ACTIVATION ANALYSIS IN FORENSIC SCIENCE,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 645-659, 1967,
(ENGLISH), UNIVERSITY OF TORONTO, TORONTO,
CANADA.
- 6019 VAN DEN BERG, A.J. * DE BRUIN, M. * HOUTMAN, J.P.W.
SORPTION BEHAVIOUR OF TRACE ELEMENTS IN HUMAN
HAIR.
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 661-679, 1967,
(ENGLISH), REACTOR INSTITUTE, DELFT, NETHERLANDS,
- 6020 BRYAN, D.E. * GUINN, V.P. * SETTLE, D.M.
ACTIVATION ANALYSIS OF BIOLOGICAL SAMPLES OF
FORENSIC INTEREST,
NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE
SCIENCES, PROCEEDINGS OF A SYMPOSIUM, AMSTERDAM,
8-12 MAY 1967, IAEA VIENNA, 681-694, 1967,
(ENGLISH), GENERAL DYNAMICS CORPORATION, SAN
DIEGO, CALIF.
- 6021 PRO, M.J. * SCHLESINGER, H.L. * HOFFMAN, C.M.
APPLICATION OF NEUTRON ACTIVATION ANALYSIS IN
CRIMINALISTICS,
AEC UNNUMBERED REPORT, 96P., NOVEMBER 1965,
(ENGLISH), U.S. TREASURY DEPARTMENT, INTERNAL
REVENUE SERVICE, WASHINGTON, D.C.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 6025 GUINN, V.P.
NEUTRON ACTIVATION ANALYSIS AND ITS FORENSIC APPLICATIONS,
GA-8171, 7-40, 1967, (ENGLISH), GENERAL DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO, CALIF.
- 6026 KIRK, P.L.
SOME CRIMINALISTICS PROBLEMS, AND NEUTRON ACTIVATION ANALYSIS,
GA-8171, 41-48, 1967, (ENGLISH), SCHOOL OF CRIMINOLOGY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.
- 6027 LENIHAN, J.M.A.
ORGANIZATION AND EQUIPMENT OF AN ACTIVATION ANALYSIS LABORATORY,
GA-8171, 49-62, 1967, (ENGLISH), WESTERN REGIONAL HOSPITAL BOARD, GLASGOW, SCOTLAND.
- 6028 LEDDICOTTE, G.W.
EARLY FORENSIC NEUTRON ACTIVATION ANALYSIS STUDIES AT THE OAK RIDGE NATIONAL LABORATORY,
GA-8171, 63-78, 1967, (ENGLISH), UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI.
- 6029 WAHLGREN, M.A.
APPLICATION OF SPECIAL COUNTING TECHNIQUES TO FORENSIC PROBLEMS,
GA-8171, 79-102, 1967, (ENGLISH), CHEMISTRY DIVISION, ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS.
- 6030 PRO, M.J. * SCHLESINGER, H.L. * HOFFMAN, C.M.
FORENSIC APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS,
GA-8171, 103-116, 1967, (ENGLISH), ALCOHOL AND TOBACCO TAX DIVISION, LABORATORY BRANCH, INTERNAL REVENUE SERVICE, WASHINGTON, D.C.
- 6031 SAYRE, E.V.
REVELATION OF INTERNAL STRUCTURE OF PAINTINGS THROUGH NEUTRON ACTIVATION AUTORADIOGRAPHY,
GA-8171, 119-132, 1967, (ENGLISH), CHEMISTRY DEPARTMENT, BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 6032 BRYAN, D.E.
THE COMPARISON OF PAINT SAMPLES BY NEUTRON
ACTIVATION ANALYSIS,
GA-8171, 133-144, 1967, (ENGLISH), GENERAL
DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO,
CALIF.
- 6033 SETTLE, D.M.
NEUTRON ACTIVATION AND PHOTONUCLEAR ACTIVATION
ANALYSIS OF GLASS SAMPLES,
GA-8171, 147-160, 1967, (ENGLISH), GENERAL
ATOMIC DIVISION, GENERAL DYNAMICS CORPORATION, SAN
DIEGO, CALIF.
- 6034 GUINN, V.P.
THE DETERMINATION OF TRACES OF BARIUM AND ANTIMONY
IN GUNSHOT RESIDUES BY ACTIVATION ANALYSIS,
GA-8171, 161-176, 1967, (ENGLISH), GENERAL
DYNAMICS, GENERAL ATOMIC DIVISION, SAN DIEGO,
CALIF.
- 6035 KRISHNAN, S.S.
DISTANCE DETERMINATION OF GUNSHOT FIRINGS BY
NEUTRON ACTIVATION ANALYSIS,
GA-8171, 177-188, 1967, (ENGLISH),
ATTORNEY-GENERALS LABORATORY, PROVINCE OF ONTARIO,
TORONTO, CANADA.
- 6036 SCHLESINGER, H.L. * HOFFMAN, C.M. * PRO, M.J.
BULLET RESIDUE TRANSFERENCE TO VARIOUS MATERIALS,
GA-8171, 189-198, 1967, (ENGLISH), ALCOHOL AND
TOBACCO TAX DIVISION, LABORATORY BRANCH, INTERNAL
REVENUE SERVICE, WASHINGTON, D.C.
- 6037 PERKONS, A.K.
INDIVIDUALIZATION OF HUMAN HEAD HAIR,
GA-8171, 221-236, 1967, (ENGLISH), THE CENTRE OF
FORENSIC SCIENCES, TORONTO, ONTARIO, CANADA,
- 6038 SMYTHE, L.E. * RYAN, W.P.
NEUTRON ACTIVATION ANALYSIS OF SOME HAIR SAMPLES
AS EVIDENCE FOR AN AUSTRALIAN COURT,
GA-8171, 237-246, 1967, (ENGLISH), ANALYTICAL
CHEMISTRY DIVISION, AUSTRALIAN ATOMIC ENERGY
COMMISSION RESEARCH ESTABLISHMENT, LUCAS HEIGHTS,
SYDNEY, AUSTRALIA.

FORENSIC SCIENCE - ACCESSION NUMBERS

- 6039 LIMA, F.W.,
EXOGENOUS CONTAMINATION OF HAIR BY CAPILLARY
ACTION OF ARSENIC SOLUTIONS,
GA-8171, 261-278, 1967, (ENGLISH), INSTITUTO DE
ENERGIA ATOMICA, SAO PAULO, BRAZIL,
- 6040 ERICKSON, N.E.,
ARSENIC IN HAIR,
GA-8171, 279-286, 1967, (ENGLISH), THE CENTRE OF
FORENSIC SCIENCES, TORONTO, CANADA,
- 6041 JERVIS, R.E.,
THE VALUE OF NEUTRON ACTIVATION ANALYSIS HAIR
COMPARISONS IN FORENSIC INVESTIGATIONS -- A
CRITIQUE,
GA-8171, 287-294, 1967, (ENGLISH), DEPARTMENT OF
CHEMICAL ENGINEERING AND APPLIED CHEMISTRY,
UNIVERSITY OF TORONTO, TORONTO, CANADA,
- 6042 SMITH, H.,
ACTIVATION ANALYSIS IN FORENSIC SCIENCE USING
RADIOCHEMICAL SEPARATIONS,
GA-8171, 295-314, 1967, (ENGLISH), DEPARTMENT OF
FORENSIC MEDICINE, THE UNIVERSITY, GLASGOW,
SCOTLAND,
- 6045 KOBAYASHI, M.,
APPLICATION OF RADIOACTIVATION ANALYSIS FOR
CRIMINAL INVESTIGATION,
GENSHIRYOKU KOGYO, 13, NO. 12, 43-46 (1967),
(JAPANESE), JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE, ORAI-CHO, IBARAKI, JAPAN,
- 6048 HOFFMAN, C.M. * BRUNELLE, R.L. * PRO, M.J. *
MARTIN, G.E.,
DETERMINATION OF TRACE COMPONENT DISTRIBUTION IN
ILLCIT SPIRITS BY NEUTRON ACTIVATION ANALYSIS,
ATOMIC ABSORPTION, AND GAS-LIQUID CHROMATOGRAPHY,
J. ASSN. OFFIC. ANAL. CHEM., 51, NO. 3, 580-586
(1968), (ENGLISH), ALCOHOL AND TOBACCO TAX
DIVISION, INTERNAL REVENUE SERVICE, WASHINGTON,
D.C.,
- 6061 HOUTMAN, J.P.W. * TURKSTRA, J.,
DETERMINATION OF THE AGE OF WHITE LEAD BY NEUTRON
ACTIVATION - POSSIBLE APPLICATION TO PAINTINGS,
NATIONAL CONFERENCE ON NUCLEAR ENERGY, APPLICATION
OF ISOTOPES AND RADIATION, PELINDABA, SOUTH
AFRICA, ATOMIC ENERGY BOARD, 588-593, 1963,
(ENGLISH), REACTOR INSTITUTE, DELFT, -HOLLAND,

FORENSIC SCIENCE - ACCESSION NUMBERS

- 6209 GORDUS, A.A. * FINK, W.C. * HILL, M.E. * PURDY, J.C.
* WILCOX, T.R.
IDENTIFICATION OF THE GEOLOGIC ORIGINS OF
ARCHAEOLOGICAL ARTIFACTS. AN AUTOMATED METHOD OF
NA AND MN NEUTRON ACTIVATION ANALYSIS,
ARCHAEOLOGY, 10, 87-96 (1967), (ENGLISH),
DEPARTMENT OF CHEMISTRY, THE UNIVERSITY OF
MICHIGAN, ANN ARBOR, MICHIGAN,
- 6210 JERVIS, R.E.
PRESENT STATUS OF ACTIVATION ANALYSIS APPLICATIONS
IN CRIMINALISTICS,
RADIOISOTOPES (TOKYO), 17, 18-32 (JANUARY 1968),
(ENGLISH). DEPARTMENT OF CHEMICAL ENGINEERING AND
APPLIED CHEMISTRY, UNIVERSITY OF TORONTO, TORONTO,
CANADA,
- 6217 GORDUS, A.A.
QUANTITATIVE NON-DESTRUCTIVE NEUTRON ACTIVATION
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ARCHAEOLOGY, 10, 78-86 (1967). (ENGLISH),
DEPARTMENT OF CHEMISTRY, THE UNIVERSITY OF
MICHIGAN, ANN ARBOR, MICHIGAN,
- 6224 GORDUS, A.A.
NEUTRON ACTIVATION ANALYSIS OF ALMOST ANY OLD
THING.
CHEMISTRY, 41, NO. 5, 8-15 (MAY 1968), (ENGLISH),
THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN,
- 6225 GUINN, V.P.
APPLICATIONS OF NEUTRON ACTIVATION ANALYSIS IN
SCIENTIFIC CRIME DETECTION,
GA-8013, 62P., OCTOBER 20, 1967, (ENGLISH),
GENERAL ATOMIC DIVISION, GENERAL DYNAMICS
CORPORATION, SAN DIEGO, CALIF.,
- 6227 GORDUS, A.A. * WRIGHT, G.A. * GRIFFIN, J.B.
OBSIDIAN SOURCES CHARACTERIZED BY NEUTRON
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SCIENCE, 161, 382-384 (26 JULY 1968), (ENGLISH),
DEPARTMENT OF CHEMISTRY AND MUSEUM OF
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MICHIGAN,
- 6241 GORDUS, A.A.
ACTIVATION ANALYSIS, ARTEFACTS AND ART,
NEW SCIENTIST, 129-131 (17 OCTOBER 1968),
(ENGLISH). DEPARTMENT OF CHEMISTRY, UNIVERSITY OF
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- 6242 GORDUS, A.A.
RAPID NON-DESTRUCTIVE ANALYSIS OF THE SILVER
CONTENT OF COINS USING NEUTRON ACTIVATION,
THE NUMISMATIC CIRCULAR, LXXVI, NO. 3, 1P. (MARCH
1968). (ENGLISH), DEPARTMENT OF CHEMISTRY,
UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN,
- 6244 BACHARACH, J.L. * GORDUS, A.A.
STUDIES ON THE FINENESS OF SILVER COINS,
J. ECONOMIC AND SOCIAL HISTORY OF THE ORIENT, XI,
PART III, 298-317 (1968). (ENGLISH), SEATTLE,
WASHINGTON AND ANN ARBOR, MICHIGAN,
- 6311 KRISHNAN, S.S. * PERKONS, A.K. * ERICKSON, N.E.
CASE APPLICATIONS OF FORENSIC ACTIVATION ANALYSIS
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TRANS. AMER. NUCL. SOC., 11, 79 (JUNE 1968),
(ENGLISH). CENTRE OF FORENSIC SCIENCES, CANADA.
- 6312 PILLAY, K.K.S. * THOMAS, C.C., JR. * SONDEL, J.A. *
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RESIDUES.
TRANS. AMER. NUCL. SOC., 11, 79-80 (JUNE 1968).
(ENGLISH). WESTERN NEW YORK-NUCLEAR RESEARCH
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- 6313 LUKENS, H.R.
FORENSIC ACTIVATION ANALYSIS, BULLET LEAD,
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(ENGLISH). GULF GENERAL ATOMIC, SAN DIEGO, CALIF.
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TRANS. AMER. NUCL. SOC., 11, 81-82 (JUNE 1968).
(ENGLISH). UNIVERSITY OF TORONTO, CANADA.
- 6315 PERKONS, A.K. * JERVIS, R.E.
APPLICATIONS OF HIGH-RESOLUTION GE(LI) GAMMA
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TRANS. AMER. NUCL. SOC., 11, 82-83 (JUNE 1968).
(ENGLISH). CENTRE OF FORENSIC SCIENCES AND
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- 6333 GUINN, V.P.
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- 6353 WYTTEBACH, A. * BARTHE, P. * MARTIN, E.P.
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J. FORENSIC SCIENCE SOCIETY, 7, NO. 4, 194-197
(OCTOBER 1967), (ENGLISH), EIDG. INSTITUT FUR
REAKTORFORSCHUNG, WURENLINGEN, UNIT OF RENAL
DISEASES, UNIVERSITATSKLINIK BASEL AND
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- 6372 BLUYSSSEN, H. * SMITH, P.B.
DETERMINATION OF THE SILVER CONTENT OF GREEK COINS
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ARCHAEOLOGY, 5, 113-118 (1962), (ENGLISH),
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- 6376 COLEMAN, R.F. * WESTON, N.T.
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J. FORENSIC SCIENCE SOCIETY, 8, NO. 1, 32-33
(JANUARY 1968), (ENGLISH), UKAEA, ALDERMASTON,
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- 6377 COLEMAN, R.F.
THE APPLICATION OF NEUTRON ACTIVATION ANALYSIS FOR
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J. FORENSIC SCIENCE SOCIETY, 6, NO. 1, 19-27
(JANUARY 1966), (ENGLISH), UNITED KINGDOM ATOMIC
ENERGY AUTHORITY, ALDERMASTON, BERKSHIRE, ENGLAND.
- 6378 WYTTEBACH, A. * HERMANN, A.
THE QUANTITATIVE NONDESTRUCTIVE ANALYSIS OF SILVER
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ARCHAEOLOGY, 9, 139-147 (1966), (ENGLISH),
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- 6388 RAVETZ, A.
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ARCHAEOLOGY, 6, 46-55 (1963), (ENGLISH), LEEDS
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AMERICAN ANTIQUITY, 30, NO. 3, 348-349 (1965),
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ACTIVATION ANALYSIS OF SILVER USING RADIUM PLUS
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(JAPANESE) (ENGLISH SUMMARY), DEPARTMENT OF
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- 6457 THOMPSON, M.,
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GOLD AND COPPER TRACES IN EARLY GREEK SILVER - II.
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- 6679 PEDERSEN, A.O. * STEINNES, E. * WAALER, T.,
EXAMINATION OF INDIVIDUAL MORPHINE SUPPOSITORIES
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OF GALENICAL PHARMACY, INSTITUTE OF PHARMACY,
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- 6835 JERVIS, R.E.,
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(ENGLISH), DEPARTMENT OF CHEMICAL ENGINEERING AND
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- 6847 TOLGYESSY, J. * LUKAC, P,
ACTIVATION ANALYSIS IN LEGAL CHEMISTRY,
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- 6849 HOUTMAN, J.P.W.,
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RECENT DEVELOPMENTS IN FORENSIC ACTIVATION
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THE 9TH JAPAN CONFERENCE ON RADIOISOTOPES
(ABSTRACTS OF PAPERS), NIPPON TOSHI CENTER,
KOZIMACHI KAIKAN, MAY 13-15, 1969, PAPER C/S-8,
302-303, 1969, (ENGLISH), DEPARTMENT OF CHEMICAL
ENG. AND APPLIED CHEMISTRY, UNIVERSITY OF TORONTO,
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- 6947 LUX, F. * BRAUNSTEIN, L. * STRAUSS, R,
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NBS SPEC. PUBL. 312, VOL. I, MODERN TRENDS IN
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(ENGLISH), INSTITUT FUR RADIOCHEMIE DER
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NBS SPEC. PUBL. 312, VOL. I, MODERN TRENDS IN
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(ENGLISH), THE CENTRE OF FORENSIC SCIENCES,
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NBS SPEC. PUBL. 312, VOL. I, MODERN TRENDS IN
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(ENGLISH), REACTOR INSTITUUT, DELFT NETHERLANDS.

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NBS SPEC. PUBL. 312, VOL. 1, MODERN TRENDS IN
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(ENGLISH). UNIVERSITY OF VIRGINIA,
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- 7086 KRISHNAN, S.S.
FIRING DISTANCE DETERMINATION BY NEUTRON
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J. FORENSIC SCI., 12, 471-483 (OCTOBER 1967),
(ENGLISH). THE CENTRE OF FORENSIC SCIENCES,
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- 7129 COLEMAN, R.F. * CRIPPS, F.H. * STIMSON, A. *
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THE TRACE-ELEMENT CONTENT OF HUMAN HEAD HAIR IN
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PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE
ON FORENSIC ACTIVATION ANALYSIS, 203-220, 1967,
(ENGLISH). ATOMIC WEAPONS RESEARCH ESTABLISHMENT,
UKAEA, ALDERMASTON, BERKSHIRE, ENGLAND,
- 7190 LENIHAN, J.M.A.
ACTIVATION ANALYSIS IN FORENSIC SCIENCE,
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WOOD

2607 2792 2959 6020

WOOL

1442