

DIRIAN J., CHOQUET J.

Rapport CEA n° 796

Bibliographie sur le plutonium et ses composés.

Sommaire. — Compilation de références bibliographiques sur le plutonium et ses principaux composés de 1942 à fin 1957.

1958

82 pages

DIRIAN J., CHOQUET J.

Report CEA n° 796

Bibliography on plutonium and its compounds.

Summary. — Collection of bibliographical references on plutonium and its principal compounds from 1942 to end of 1957.

1958

82 pages

**PRÉSIDENCE DU CONSEIL
COMMISSARIAT A
L'ÉNERGIE ATOMIQUE**

BIBLIOGRAPHIE SUR LE PLUTONIUM ET SES COMPOSÉS

par

Mme J. DIRIAN et Mlle J. CHOQUET

Rapport CEA n° 796

**CENTRE D'ÉTUDES
NUCLÉAIRES DE SACLAY
SERVICE DE DOCUMENTATION
Boite postale n° 2 - Gif-sur-Yvette (S.-et-O.)**

- COMMISSARIAT A L'ENERGIE ATOMIQUE -
Service de Documentation

BIBLIOGRAPHIE
SUR LE PLUTONIUM ET SES COMPOSES

1ère Partie

par

Mme DIRIAN et Mlle CHOQUET

Rapport C.E.A. N° 796

- Janvier 1958 -

PRINCIPAUX LIVRES SUR LE PLUTONIUM.

- National Nuclear Energy Series.
Manhattan Project Technical Section
Mc Graw. Hill Book. Comp. Inc. N.Y.

- Progress in Nuclear Energy.
Pergamon Press Ltd 1956. London.

- L'Utilisation de l'Energie Atomique à des Fins Pacifiques.
Actes de la Conférence Internationale de Genève, août 1955.

Le travail de regroupement des références s'arrête en décembre 1957.

Une deuxième partie paraîtra dans quelques mois.

I - PREPARATION - EXTRACTION - PURIFICATION

- 1 "The Pu recycle program. A résumé of the concept program and facilities".
H.W. 50 700
Manf. At. Prod. Op. Richland Wash
- 2 "Extracting plutonium".
Engineering G.B. 1956, 181, 4707, 409
- 3 "The manufacture of plutonium"
Atom USA - 1957, 3, 27-36
- 4 "Plutonium factory at Sellafield Cumberland"
Engineer, G.B. 1954, 197, 5130, 742-744
- 5 "Uranium tons-grams of plutonium"
Chem. engng. News USA - 1954, 32, 23, 2288-2294
- 6 "Plutonium separation" (résumé)
Engng. G.B. - 1956, 182, 4725, 411-412
- 7 "Plutonium separation"
Chem. Proc. Engng. G.B. 1957, 38, 4, 170
- 8 "Plutonium production at Windscale"
Engineering G.B. 1954, 177, 4607, 610
- 9 "Survey of fuel-separations processes"
Nucleonics USA - 1955, 13, 9, 59
- 10 "Electromagnetic separation by Hermes"
Nuclear Power - 2, 132 à 134 (avril 1957)

- 11 "Tributyl phosphate processing of Pu-Al alloy fuels preliminary investigation"
AECL n° 348
Chalk River, Ontario - March 1955
- 12 "Chemical engineering division summary Report for april, may, and june 1955"
ANL-5466
Argonne National Lab., Lemont Ill.
- 13 "Chemical engineering division summary report for july, august and september 1955"
ANL-5494 (Del.)
Argonne National Lab., Lemont Ill.
- 14 "Chemical engineering division summary report for july, august and september 1956"
ANL-5633
Argonne National Lab., Lemont Ill
- 15 "Chemical research - Production and extraction of plutonium ; report for period ending november 11, 1943"
CN-1071
Chicago. Univ. Metallurgical Lab.
- 16 "Chemical research - Special chemistry of plutonium report for month ending april 1, 1944"
CK-1512
Chicago Univ. Metallurgical Lab.
- 17 "Chemical research - Chemistry of plutonium report for period of february 1 to march 10, 1944"
CK-1516
Ames Lab., Ames, Iowa.

- 18 "The coprecipitation of plutonium (IV) with bismuth phosphate."
CN-2224
Clinton Labs. Oak Ridge, Tenn.
- 19 "Quarterly summary research report in chemistry for april, may, and june 1954".
ISC-505
Ames Lab., Ames, Iowa
- 20 "Quarterly summary research report in chemistry for july, august, and september 1954".
ISC-530
Ames Lab. Ames Iowa
- 21 "Quarterly summary research report in chemistry for october, november, and december 1954".
ISC-574
Ames Lab. Ames, Iowa
- 22 "Chemistry division semiannual progress report for period ending june 20, 1956".
ORNL-2171
Oak Ridge National Lab., Tenn.
- 23 AIKIN A.M. - Mc KENZIE D.E
"The high temperature processing of neutron-irradiated uranium".
Progress in nuclear energy
"Process chemistry" 1956, pages 316-320
- 24 AIKIN A.M.
"An ion exchange process for the recovery of plutonium from irradiated fuels".
57-NEESC-100
Nuclear engng. Sci. Conference USA, 1957, March 2-8
Chem. Engineer. Progr. USA, 1957, 53, 2, 82 F, 85 F

- 25 ALBAUGH F.W.
"Chemical research section progress report for
January 1950".
HW-16376
Hanford Works, Richland, Wash.
- 26 ALTER W.K.
"A survey of developments in plutonium process
chemistry for 1947-1949".
KAPL-314
Knolls Atomic Power Lab., Schenectady N.Y.
- 27 ALTER W.H., FOWLER R., Jr., and NEWHERTER J.L.
"A one cycle process for the recovery and decontamination
of plutonium".
KAPL-1748
Knolls Atomic Power Lab., Schenectady N.Y.
- 28 ANDERSON E.L., HATTERN K.L., McVEY W.H. and SCHNEIDER H.
"The thermodynamics of pyrochemical processing".
ERL-107.
California Research and Development Co. Livermore
Research Lab., Livermore, Calif.
- 29 AYRES J.A.
"Purification of plutonium by a chromatographic
method".
ISC-49.
Iowa State Coll. Ames.
- 30 BAREIS D.W., CUBICCIOTTI D.D. and HCTTA E.E.
"Separations chemistry quarterly progress report
April-June 1954".
NAA-SR-1071
North American Aviatior. Inc., Downey, Calif.

- 31 BARNEY R.A. - KENESHEA F.J.
"Pyrochemical separations methods, the distribution
of Pu and fission products between U and Mg".
NAA-SI-1524
North Am. Aviat. Inc.
August 1 - 1955 - 23 p.
- 32 BENTON S.T. and GUSTISON R.A.
"Recovery of plutonium and fission products from
reactor pot residues of the chlorine trifluoride
process".
K-817
Carbide and Carbon Chemicals Co. K-25 Plant
Oak Ridge Tenn.
- 33 BEST G.F., McKAY G.A.C., WOODGATE P.R.
"Tri-n-butyl phosphate as an extracting solvent for
inorganic nitrates-III"
The plutonium nitrates
J. Inorg. Nucl. Chem. G.B.
1957, 4, 5/6, 315-320
- 34 BOGGARDT H., BUSTRAAN H.
"Producing plutonium in U-D₂O reactors".
Nucleonics USA 1954, 12, 12, 32-35
- 35 BOUTON R.Z. - TREVITHICK R.V.
"Solvent extraction of Pu and U from samples typical
to KAPL".
KAPL - 718
Knoll At Power Lab. Schenectady N.Y
- 36 BROSI A.R. and RUSSELL E.R.
"Progress report on the adsorption extraction process
for the two month period ending december 1, 1943".
CN-1227
Chicago. Univ. Metallurgical Lab.

- 37 BROWN H.S., HILL O.F.
"Process using carbonate precipitation".
USP 2768871
October 30, 1956, 3 pages
- 38 BROWN H.S. - HILL O.F.
"Methods of separating Pu from contaminants".
USP 2785047
March 12, 1957
- 39 BURNEY G.A.
"Thermochemical measurements of purex process solutions".
DP-158
Explosives Department
Atomic Energy Division
Technical Division - Savannah River Laboratory
May 1956, 14 pages
- 40 BUSK E. - MILES G.L.
"The chemistry of Ru with reference to Pu extraction
process - part II. The determination of fission
product Ru".
AERE C/R 411
At. En. Res. Establ. Harwell
- 41 BUTLER J.P., LOUNSBURY M., HERRITT J.S.
"The preparation and properties of Pu²⁴²".
Canad. J. Chem.
1956, 34, 3, 253-258
- 42 BUTLER J.P., HERRITT J.S.
"A batch process for the recovery of Am²⁴¹ from
kilogram amounts of plutonium".
AECL n° 353
Chalk River, Ontario
August 1956

- 43 BUTLER J.P. - MERRITT J.S.
"A batch process for the recovery of Am^{241} from
killog-amounts of Pu".
CRC 661
At. En. of Can. Chalk River Ontario
- 44 BURGERS A.G.
"Pu recycling with molten UF_4 ".
Nucleonics Vol. 15 n° 11 Nov. 1957 p.100-103
- 45 BUYERS A.G., KENESHEA F.J. Jr. and BARNEY R.A.
"The distribution of tracer plutonium and fission
products between molten uranium metal and molten
uranium tetrafluoride".
NAA-SR-926
North American Aviation, Inc., Downey, Calif.
- 46 BUYERS A.G.
"Pyrochemical separations methods : I. The distri-
bution of plutonium and long-lived fission products
between molten irradiated uranium fuel and fused
inorganic fluorides".
NAA-SR-1157
North American Aviation, Inc. Downey Calif.
- 47 BUYERS A.G.
"The pyrochemical recycling of plutonium from
spent to fresh uranium fuel using molten UF_3 as
transfer medium".
NAA-SR-1435
North American Aviation Inc. Downey Calif.
- 48 BERNSTROM B., RYDBERG J.
"Studies on the extraction of metal complexes
(Pu, U, Th, Tr)."
Acta Chimica Scandinavica Vol.11 n° 7 p.1173-1182

- 49 BRUCE F.R.
"Symp. on the reprocessing of irradiated fuel".
TIL-7534 Book 1
The redox process p. 180
Tech. Inf. Serv. Oak Ridge Tenn.
- 50 BLANCO R.E.
(Symp. on the reprocessing of irradiated fuel).
"Dissolution and feed adjustment".
Book n° 1 p. 22.
Tech. Inf. Serv. Oak Ridge Tenn.
- 51 BRUCE F.R.
"Symp. on the reprocessing of irradiated fuel".
TID 7534 book 1 p. 303.
(Ion exchange isolation Process)
Tech. Inf. Serv. Oak Ridge Tenn.
- 52 CARTER W.L.
"HRP-PF : dissolving solution for solids removed
from SO_4UC_2 blanket of HRT".
CF. 56-6-27
Oak Ridge Nat. Labrat. Tenn.
- 53 CHRISTENSON C.W., ETTINGER M.B., ROBECK G.G.,
HERMANN E.R., KOHR K.G., NEWELL J.F.
"Removal of plutonium from laboratory wastes".
Industr. engng. Chem. USA.
1951, 43, 7, 1509-1515.
- 54 COOPER J.H.
"Electromagnetic separation (Martin)".
WASH 193.
Chemistry Divis. ORNL report to AEC (Nucl. cross sect.
ad. group).

- 55 CULIER F.L., FLANARY J.R.
"Solvent extraction separation of uranium and plutonium
from fission products".
PREPRINT 269
Amer. Nuclear Soc.
Nuclear Engng. Sci. Congr., Cleveland, Ohio
December 12-16 1955
- 56 CUNNINGHAM B.B.
"Summary of Pu carrying agents".
N 2205
Office of Tech. Service
Dept. of Commerce
- 57 CUNINGHAME J.G., MILES G.L.
"The purification of plutonium by a thenoyl-
trifluoro-acetone (T.T.A.) process".
J. appl. chem. G.B.
1957, 7, Part 2, 72-81
- 58 CUNINGHAME J.G., MILES G.L.
"The separation of plutonium by extraction with
thenoyltrifluoroacetone (TTA) ".
J. Inorg. nucl. Chem. G.B.
1956, 2, 1, 54-63
- 59 CUNNINGHAM B.B., WERNE L.B.
"The first isolation of Pu".
J. Am. Chem. Soc. 1949, 71, 1521-1528
- 60 DAVEY H.G.
"Primary separation plant at the Windscale Works".
Nuclear Power 1956, 1, 53-61
- 61 DAVEY H.G.
"The build up of Pu isotope by irradiations".
AERE RM 118
Atom. En. Res. Establ. Harwell
- 62 DAVIDSON J.K., SCHAFER A.C., HASS W.O
"Symp. on the reprocessing of irradiated fuel".
(Mixer settler application)-
TID 7534 Book 1 p. 130.
Tech. Inf. Serv. Oak Ridge Tenn.
- 63 DAVY H.G.
"Typical Plant Process".
Nucleonics 1955, 12, 9, 62

- 64 DAWSON J.K.
"The sublimation technique for the preparation of thin film of Pu".
AERE C/R 861
Harwell, Berks, Engl.
- 65 DAWSON J.K., HURST R.
"The fluoride-hydroxide cycle in the purification of plutonium".
AERE C/M 80
Atomic Energy Research Establishment Harwell, Berkshire
1957, 3 pages
- 66 DAWSON J.K., HANDLEBERG C.J.
"Purification of plutonium through plutonium trichloride".
AERE C/M 82
Harwell August 1950, 1 page
- 67 DEDOV V.B., KOSSIAKOV V.N.
"Electrodéposition du plutonium, de l'américium et du curium (en russe)".
Conférence de Genève 8/P/675
U.R.S.S. Original : russian
- 68 DEN BOER D.H.W., DIZDAR Z.I.
"On the isolation of plutonium by a solvent extraction method".
Jener report n° 45
Joint Establishment for Nuclear Energy Research
Kjeller
October 1956, 11 pages
- 69 DIZDAR Z.I., DEN BOER D.H.W.
"Purification of plutonium by a cation exchanger (lettre)
J. Inorg. nucl. Chem. G.B.
1956, 2, 5, 323-325
- 70 DOSTROVSKY I., LEHRER Y.
"The design of isotopes separation plants : some basic design equations for the distillation process".
Peaceful uses of Atomic energy Vol. VIII p. 406
- 71 DRESSLER J., REGNAUT P., SOUSSELIER Y.
"L'usine-pilote d'extraction du plutonium de Châtillon".
Génie. Chimique Fr
1955, 74, 5, 129-137
ENGLISH S.G.
- 72 "Semimonthly report and manpower distribution for period
décember 15-31, 1944,
CL-P-374
Clinton Labs. Oak Ridge Tenn.

- 73 EUDES J.
"L'usine pilote d'extraction du plutonium du C.E.A. à Châtillon".
A.T.E.N. 1957, 6, 4-6
- 74 EVANS H.B., SEEFELDT W.B. and HYMAN H.H.
"Recovery of neptunium-237 from special Hanford wastes";
ANL-4442
Argonne National Lab. Lemont Ill
- 75 FERGUSON D.E., NURMI E.O., UNGER W.E.
" . Plutonium-producer blanket processing"
ORNL
Oak Ridge Tennessee
February 19, 1957, p. 140-144
- 76 FERGUSON D.E.
"Homogeneous plutonium producer chemical processing".
TID 7524
Conf. Oak Ridge March 21-22, 1956
Res. Developm. Div. Oak Ridge, Operat. Off. Oak Ridge Tenn.
March 1957, 224-232
- 77 FEDER H.M.
"Symp. on the reprocessing of irradiation fuel".
(pyrometallurgical process)
TID 7534, p. 667.
Tech. Inf. Serv. Oak Ridge Tenn.
- 78 FENNING F.W.
"Composition of recycled fissile materials".
AERE RP/M 58
At. En. Res. Est. Harwell Berks Engl.
- 79 FERGUSON D.E.
"Homogeneous reactor chemical processing".
CF-52-3-215
Oak Ridge National Lab., Tenn.
- 80 FLANARY J.R.
"Solvent extraction separation of uranium and plutonium
from fission products by means of tributyl phosphate".
Conférence de Genève 9/P/539
USA Original : english
- 81 FLANARY J.R.
"Plutonium extraction from K-25 pot residue".
CF-52-5-113
Oak Ridge National Lab. Tenn.
- 82 FLANARY J.R., SHELDON E.B.
"Pu recovery from the CTF process residues"
CF 52-11-98
Oak Ridge National Lab. Tenn.

- 83 FLETCHER J.H.
"Chemical principles in the separation of fission products from uranium and plutonium by solvent extraction".
Conférence de Genève 8/P/413
Original : english
Prog. Nucl. Energ. Sc. 3
Vol. 1 p. 105-121 1956
- 84 FOLTZ J.R., GARDNER W.J., NEWBURY R.S., ROSEN F.
"Scale up of high t° processing methods Pu volatilization"
NAA SR 1397
North Am. Aviation Inc. October 1955
- 85 FRIED S.
"The separation of neptunium from plutonium by a volatilization method".
ANL-4224
Argonne National Lab. Lemont Ill
- 86 FRIES B.A.
"Concentration of plutonium by precipitation of the iodate from $\text{La}(\text{NO}_3)_3$ solutions".
CN-1881
Clinton Labs. Oak Ridge Tenn.
- 87 GDIER R.G.
"Application of the pulse column to the purex process".
HW-49542 A
Hanf. At. Prod. Op. Richland Wash.
- 88 GLOVER K.H., BORRELL P.
"A method for the preparation of thin films of plutonium and uranium"
J. Nuclear Energy C.B.
1955, 1, 3, 214-217
- 89 GOLDSCHMIDT B., REGNAUT P., PREVOT I.
"Un procédé par solvant pour l'extraction du plutonium de l'uranium irradié dans les piles".
Conférence de Genève 8/P/349
France. Original: français
- 90 GOLDSCHMIDT B., REGNAUT P., PREVOT I.
"Un procédé par solvant pour l'extraction du plutonium irradié dans les piles".
Bull. Soc. chim. Fr.
1956, 1, 103-106
- 91 HAEFFNER E., NILSSON G., HULTGREN A.
"The extraction of uranium and plutonium with tetrabutylammonium-nitrate, cupferron and neocupferron as complexing agents".
Conférence de Genève 8/P/785
SWEDEN . Original : english

- 92 HALL G.R., HURST R.
"The fluoride hydroxide peroxide and iodate cycles in the purification of Pu".
AERE C/M 88
At. En. Res. Establ. Harwell
- 93 HANNA G.C.
"NRX production of plutonium and its higher isotopes"
PR-P-29 AECL n° 316
Atomic Energy of Canada Limited
Chalk River - 25-26 1956
- 94 HARMON H.K.
"Removal of products fission from feeds".
HW-49544 A
Han. At. Prod. Op. Richland Wash.
- 95 HARMON K.M., REAS W.H.
"Symp. on the reprocessing of irradiated fuel".
TID 7534, Book 1.
(Conversion chemistry of Pu nitrate) p: 332
Tech. Inf. Oak Ridge Tenn.
- 96 HARRISON, BROWN
"Method of separating Pu from contaminants".
USP 2 785 047
- 97 HART R.G.
"Tributyl phosphate processing of plutonium-aluminium alloy fuels".
CRDC-630-AECL 429
Atomic Energy of Canada Limited
Chalk River
March 1957
- 98 HARTY W.M.
"The design philosophy of remote operation and maintenance of separations facilities".
Nuclear Eng. part III,
Chem. Eng. Prog. 1954, 13, 115, 121
- 99 HEALY T.V., GARDNER A.W.
"Solvent extraction of Pu(VI) from nitrate (HNO_3 and NH_4NO_3)".
AERE C/R 800
Harwell, Berks 1952, 18 pages
- 100 HEISIG D.L., HICKS T.E.
"The distribution of Pu(VI) and Pu(III) in thenoyltrifluor acetone, benzène, nitric acide mixturs".
UCRL-1664
Calif. Univ. Berkeley Rad. Lab.

- 101 HELSIG D.L. and HICKS T.E.
"The extraction mechanism of plutonium (IV) TFA chelate in sec-butylbenzene-nitric uranyl nitrate mixtures".
UCRL-1169.
California, Univ. Berkeley Radiation Lab.
- 102 HERNIMAN P.D.
"The separation and purification of milligram quantities of Am".
AERE C/R 1113.
Atom. Energ. Res. Est. Harwell
- 103 HIGGINS C.E., BALDWIN W.H. and RUTH J.M.
"Organo-phosphorus compounds for solvent extraction".
CRNL-1338
Oak Ridge National Lab. Tenn.
- 104 HILL O.F.
"Plutonium recovery process".
USP 2767044.
October 16, 1956, 4 pages.
- 105 HINDMAN J.C., WEHNER P. and COHEN D.
"The isolation and purification of Np²³⁷ obtained from Hanford wastes".
ANL-5037 (del)
Arg. Nat. Lab. Lemont
- 106 HOFFMAN D.C.
"Plutonium"
LA 1721 (Rev.)
Los Alamos, New Mexico USAEC
September 14, 1954, 271-279.
- 107 IAKOVLEV G.N., GORDENKO-GUERMANOV D.S.
"Déposition simultanée de l'américium et de carbonate double de potassium et d'uranium ou de plutonium".
Conférence de Genève 8/P/577.
U.R.S.S. original russian.
- 108 IAKOVLEV G.N., TCHOULKOV P.M., DEL'OV V.B., KOSTIAKOV V.N., SCBOLEV Ju. P.
"Obtention de couches fines de plutonium d'américium et de curium par électrodéposition (lettre) (en russe)".
Atom. Energ. SSSR
1956, 5, 131-133.
- 109 IRISH E.R.
"Application of the packed column to the redox process (U.Pu)".
H.W. 29967 A
Hanford Richland Washington.

- 110 IRISH E.R. and REAS W.H.
"The Purex process - A solvent extraction reprocessing method for irradiated uranium".
HW 49483 A
Hanf. At. Prod. Op. Richland Wash.
- 111 JAY K.E.B.
"Britain's atomic factories. The story of Atomic Energy production in Britain".
London, Her Majesty's Station Office 1954, 196 pages
- 112 JUDSON B.F.
"Performance of a Pu reflux solvent extraction system"
HW 49441 A
Hanf. At. Prod. Op. Richland Wash.
- 113 KELMAN L.R., WILKINSON W.D., SHUCH A.B., GOLTZ R.C.
"Handling alpha-active pyrophoric material".
Nucleonics 1956, 14, 5
- 114 KENESHEA F.J. Jr., SAUL A.M., and YOUNG C.T.
"The distribution of tracer plutonium and fission products between molten uranium and solid uranium oxide, carbide and nitride".
NAA-SR-32
North American Aviation Inc. Downey Calif.
- 115 KOOI J.
"Tracer experiments on the solvent extraction of neptunium and plutonium".
JENER Publ.11
Joint Establish. Nuc. Energ. Res. Kjeller
1956 60 pages
- 116 KOUTCHATOV V.B., GREBENTCHIKOVA V.I.
"Méthode au sulfate pour l'isolement du plutonium et du neptunium".
Conférence de Genève 8/P/678
U.R.S.S. Original: russian
- 117 Mc LAIN
"Reactor engineering lectures (extraction Pu)".
ANL 54-24
Arg. Nat. Lab. Lemout
- 118 LAWROSKI S., DAWSON L.R. and TEPE J.B.
"Solvent extraction process for concentration and isolation of product".
CN-2511
Chicago, Univ. Metallurgical Lab.

- 119 LAWROSKI S. and LEVENSON H.
"Symp. on the reprocessing of irradiated fuels
(redox process - A solvent extraction reprocessing
method for irradiated U)".
TID 7534, Book 1.
Tech. Inf. Serv. Oak Ridge Tenn.
- 120 LEHMAN H.R.
"Mechanical characteristics and performance of liquid-
liquid extraction columns".
UCRL-1558
California. Univ. Berkeley Radiation Lab.
- 121 LEWIS W.B.
"Attainable burn-up of uranium with Pu recycling".
DR 38
AECL Chalk River Ontario.
- 122 LINGJAERDE R.O.
"Separation of plutonium from irradiated uranium and
fractionation of long-lived fission products by ion
exchange".
Kjeller April 1957; 7 pages
- 123 Mc KAY H.A.C. - ALCOCK K., SCARGILL D.
"Some fission product partition data".
AERE C/R 1212
At. En. Res. Establis, Harwell Berks
- 124 Mc KAY H.A.C. - HILSTED J.
"The preparation and chemistry of the transuranien
elements"
Progress in Nuclear Physics 1955
- 125 Mc KENZIE D.E., FLETCHER J.W.
"The extraction of Pu from neutron irradiated U
by uranium fluoride".
CRC 592
Chalk River Ontario
- 126 MAGNUSSON L.B. - HINDMAN J.C., LACHAPPELLE T.J.
"Chemical method for the purification and isolation of Np"
ANL 4056
Arg. Nat. Lab. Lemont.
- 127 HALL J.G.
"Separation of neptunium and plutonium chlorides by a
flow distillation method".
ANL-4382
Argonne National Lab. Lemont Ill
- 128 HENDLERBERG C.J.
"The recovery of solid Pu residues"
AERE C/R 104
Harwell At. En. Res. Est.

- 129 MILLS G.F. and WHETSEL H.B.
"A brief investigation of the partition of plutonium
and uranium peroxide precipitation".
K-1064
Carbide and Carbon Chemicals Co. K-25
Oak Ridge Tenn.
- 130 MOORE F.L.
"A new anionic solvent extraction technique"
ORNL-1314
Oak Ridge National Lab. Tenn.
- 131 MORGAN F.
"Improvements in or relating to methods of separating Pu".
B.P. 754-651
- 132 MOTTA E.E.
"High temperature fuel processing methods".
Conférence de Genève 8/P/542
U.S.A. Original : english
- 133 MOTTA E. and YARDLEY H.
"Separations chemistry quarterly progress report for
january-march 1953".
NAA-SR-245
North American Aviation Inc. Downey Calif.
- 134 MOTTA E.E., BAREIS D.W. and CUBICCIOTTI D.D.
"Separations chemistry progress report for period april,
may, june 1953".
NAA-SR-273
North American Aviation Inc. Downey Calif.
- 135 MOTTA E.E., BAREIS D.W. and CUBICCIOTTI D.
"Separations chemistry quarterly progress report for
july-september 1953".
NAA-SR-244
North American Aviation, Inc. Downey Calif.
- 136 MOTTA E.E., BAREIS D.W. and CUBICCIOTTI D.
"Separations chemistry quarterly progress report for
january-march 1954".
NAA-SR-1015
North American Aviation Inc. Downey Calif.
- 137 MOTTA E.E., CUBICCIOTTI D.D. and BAREIS D.W.
"Separations chemistry quarterly progress report for
july-september 1954".
NAA-SR-1160
North American Aviation Inc. Downey Calif.

- 138 MOTTA E.E., CUBICCIOTTI D.D. and BAREIS D.W. .
"Separation chemistry quarterly progress report for
october-december 1954".
NAAM-SR-1289
North American Aviation Inc. Downey Calif.
- 139 MOTTA E.E., BAREIS D.W., CUBICCIOTTI D. and BUIERS A.G.
"Separation chemistry quarterly progress report for
january-march 1955".
NAAM-SR-1397
North American Aviation Inc. Downey Calif.
- 140 MULLINS L.J.,
"Removal of iron from plutonium solution by basic acetate
precipitation".
LA-1139
Los Alamos Scientific Lab. N. Mex.
- 141 NEWELL J.F., CHRISTENSON C.W.
"Laboratory studies on the removal of plutonium from
laundry wastes".
AECU-1008.
- 142 NEWELL J.F.
"Exploratory Studies on the Removal of Plutonium from
Liquid Wastes by Activated Sludge".
AECU-2712
- 143 NICHOLLS C.M., WHITE A.S.
"The development radiochemical process".
Nuclear Eng. part III. Chem. Eng. Prog. 1954, 13, 129-138
- 144 NIGON J.P., PENNEMAN R.A.
"Quantitative separation of americium and plutonium using
cupferron"
AECU 1006
- 145 OHLGREN H.A., LEWIS J.G., WEECH N.
"Reprocessing reactor fuels".
Nucleonics 1955, 13, 18
- 146 PEPPARD D.F., STUDIER M.H., GERGEL M.V., MASON G.W.,
SULLIVAN J., NECH J.F.
"Isolation of microgram quantities of naturally-occurring
plutonium and examination of its isotopic composition".
J. Amer. chem. soc.
1951, 73, 6, 2529, 2531
- 147 PEPKOWITZ L.P., and SHIRLEY E.L.
"The preparation of uniform films for spontaneous fission
counting".
KAPL-181
Knolls Atomic Power Lab. Schenectady N.Y.

- 148 PETERSON S.
"An early macro scale demonstration of the bismuth phosphate extraction and decontamination procedure at production plant concentrations of plutonium".
CN-7668.
Argonne National Lab. Lemont III.
- 149 QUILICO G.
"Consumo di materiali fissile i produzione di Pu nei reattori termici ad urania".
Energia Nucleare 1957, 4, 115-127.
- 150 QUINLAN F.B., TVERBERG J.C.
"Centrifugal casting for Pu and Pu - U plates".
HW 47615.
Hanford Atom. Prod. Operat. Richland, Wash.
- 151 RALPHS D.L.
"The mechanism of carrying Pu(III) on lanthanum fluoride".
HW 24115
Hanford Works Richland Wash.
- 152 REILLY V.J.
"The hydrolysis of tributyl phosphate and its effect on the purex process".
CRNL-1138.
Oak Ridge National Lab. Tenn.
- 153 RICHARDS R.B.
"Symposium on the reprocessing of irradiated fuels aqueous reprocessing".
TID 7534 book 1
Tech. Inf. Serv. Oak Ridge Tenn.
- 154 RODGER W.A.
"Trends in separations process development and their effects upon waste handling".
TID 7517
Division of reactor Development Washington D.C.
- 155 ROLLIER H.A., TYREN H., MALVICINI A., REPOSSI R.
"Séparation d'isotopes de plutonium de l'uranium naturel bombardé avec des protons (en italien)".
Accad. Lincei Ital.
1954, 16, 493-499.
- 156 ROLLIER M.A.
"La chimica e la tecnologia dei materiali nucleare alla conf. Genève 1956.
Chimica e Industria 38, p. 20-56.

- 157 ROLLIER M.A.
"Séparation du plutonium de l'uranium par extraction au solvant
(en italien)".
Gazz. chim. ital.
1954, 84, 7-8, 649-657.
- 158 RUBIN B., HICKS T.E.
"The chelate process III. - Preliminary continuous operations studies".
UCRL-126.
Calif. Univ. Berkeley. Radiat. Lab.
- 159 RUEHLE W., Jr.
"Separating transplutonium isotopes from irradiated plutonium".
Nucleonics. USA.
1954, 12, 11, 84-85.
- 160 RYDBERG J.
"Studies on the extraction of metal complexes. XIV. - The separation
of metal acetylacetonates".
Arkiv. kem. Swed.
1956, 9, 2, 95-108.
- 161 RYDBERG J., SILLEN L.G.
"Combination of unit processes for isolating plutonium".
Acta. chem. Scand.
1955, 9, 8, 1241-1251.
- 162 RYDBERG J.
"Two methods for the isolation of tracer amounts of plutonium".
Acta. chem. Scand.
1955, 9, 8, 1252-1260.
- 163 SAUL A.H.,
"Pyrochemical separation methods : III. The removal of fission products
from molten, irradiated uranium by solid oxides".
NAA-SR-1361.
North American Aviation, Inc., Downey, Calif.
- 164 SEABORG G.T.
"Chemical Processes in Pu production".
Record. chem. Progress.
1946, 7, 1-12.
- 165 SEABORG G.T., WAHL A.C., KENNEDY J.W.
"Production and properties of 50-year element 94".
MDDC 867.
- 166 SHELDON E.B.
"Plutonium isolation flowsheet".
Oak Ridge Nat. Lab. Tenn.
CF-51-6-15.
- 167 SHUCH A.B., MAYFIELD R.H.
"The process equipment and protective enclosures designed for the
fuel fabrication facility".
ANL-5499.
Arg. Nat. Lab. Lemont Ill.

- 168 SHVERTZOV I.K., VOROBIEV A.M.
"Méthodes de séparation du neptunium et du plutonium".
Conférence de Genève 8/P/674.
- 169 SIKKELAND T.
"The separation of plutonium from uranium and fission products with ion exchange columns".
JENER REPORT NO 38. 1955.
Joint Establishment for Nuclear Energy. Research Norway 1955.
- 170 SIKKELAND T., JUUL J.
"Anion exchange studies of plutonium".
JENER REPORT N° 44.
Joint Establishment for Nuclear Energy.
Research Norway. September 1956.
- 171 STEVENSON.
"Symposium on the reprocessing of irradiated fuels (solvent extraction process p. 132)".
TID 7534 book 1.
Tech. Inf. Serv. Oak Ridge. Tenn.
- 172 STEWART D.C.
"Rare-earth and trans plutonium elements separation by ion exchange methods".
Peaceful uses of Atomic energy. VII, p. 321.
- 173 STEWART D.C., HICKS T.E.
"Alkyl phosphoric acid extractions (U-Pu)".
UCRL-861.
Calif. University - Berkeley.
- 174 SWARTOUT J.A.
"Concentration history of impurities in the adsorption extraction cycle. Part VIII".
CN-3348
Oak Ridge, Tenn.
- 175 SWARTOUT J.A., HUME D.N.
"Fission product distribution in an adsorption extraction decontamination cycle with an ion exchanger".
CN-1839.
Oak Ridge, Tenn.
- 176 THOMPSON R.
"Procedures for the separation of products resulting from bombardement of heavy elements".
CC-3623.
Arg. Nat. Lab. Lemont Ill.
- 177 THOMPSON S.G., SEABORG G.
"Bismuth phosphate process for the separation of Pu from aqueous".
USP. n° 2, 785, 951.
- 178 THOMPSON S.G., SEABORG G.T.
"The first use of bismuth phosphate for separating plutonium from uranium and fission products".
Conférence de Genève 8/P/1111.

- 179 THOMPSON W.E.
"Homogeneous reactor project. Quarterly progress report for period ending March 15".
ORNL-1280.
Oak Ridge National Lab., Tenn.
- 180 VIVIAN J.E.
"Principles of vacuum distillation of metal mixtures".
LRL-83.
Livermore Research Lab., Livermore Calif.
- 181 VOGEL R.C., STENNENBERG R.K.
"Symp. on the reprocessing of irradiated fuel (fluoride volatility process for low alloy fuels) p. 498".
TID 7534. Book II.
Tech. Inf. Serv. Oak Ridge. Tenn.
- 182 WAUCHOPE
"Extraction of Pu from irradiated U by silver".
CEI-75.
AECL Chalk River Ontario.
- 183 WERNER L.B., FRIES B.A., SEABORG G.T.
"Method of concentrating fissionable material".
U.S. Patent Office. USP.2.776.185.
Janv. 1, 1957.
- 184 WILLIAMS E.C., BARRETT M.A.
"The nature of the film formed on copper during electropolishing".
J. Electrochem. Soc. USA.
1956, 103, 7, 363-366.
- 185 WINSCH I.O., BURRIS L.
"Magnesium extraction process for plutonium separation from uranium".
Nuclear Engng. Sci. Conference USA.
1957, March, 3-10. 57.NESC.55.
- 186 WINSCH, BURRIS.
"Magnesium extraction Process for Pu separation from U".
Chem. Eng. Prog. USA.
1957, 53, 5, 237-242.
- 187 WINTERBERG F.
"La production de Pu dans les couches superficielles d'éléments combustibles". Trad. A n° 237.
Atomkern. En. Dtsch.
1956, 9, 306-308.

II. - ANALYSE - DOSAGE

- 188 ANONYME
"Manual of special materials analytical laboratory procedure".
AECD-3495.
- 189 "Special chemistry of 94-analytical".
CK-1756.
Chicago. Univ. Metallurgical. Lab.
Chemical Research Report for the Month Ending June 1, 1944,
June 15, 1944.
- 190 "Operation and maintenance manual : in-line analytical. Instruments,
purex plant".
HW-41093.
Hand. Atom. Prod. Operat. Richland, Wash.
- 191 "AEC materials management-contractor representatives meeting,
Washington D.C.".
TID-7516 (Pt.1).
Division of Nuclear Materials Management, AEC.
May 7-9, 1956.
- 192 BARNES J.W.
"Collected radiochemical procedures".
AECD-3674.
Los Alamos Scientific Lab., N. Mex.
- 193 BARTON G.B.
"An introduction to the analytical chemistry of plutonium".
AECD-3531.
Hanford Works.
- 194 BERGSTRESSER K.S.
"Effect of Pu on colorimetric iron analysis".
LA-739.
Los Alamos New Mexico. 7 - 6 - 49. 13 p.
- 195 BERGSTRESSER K.S.
"Plutonium electropolishing cell".
LA-1106.
Los Alamos Scientific Lab., N. Mex.
- 196 BERGSTRESSER K.S., BRAIFORD R.M.
"Comparison of direct evaporation and lanthanum fluoride methods for
plutonium radiochemical analysis".
LA-1082.
Los Alamos Scientific Lab., N. Mex.
- 197 BIRKS F.T.
"The spectrographic estimation of major constituent plutonium by the
iron-flux method".
A.E.R.E. C/R 2081.
Atomic Energy Research Establishment, Harwell, Berkshire
1957, 6 pages.

- 198 BOAZ H.E., NUMEROF P., POTRATZ H.A., THROCKMORTON W.H.
"Chemical and Spectrochemical Analysis of Uranium and Plutonium Materials".
(Los Alamos Scientific Laboratory).
MDDC-279.
Manual of Procedures ; Chap. III-VI.
- 199 BOAZ. H.E.
"Microvolumetric assay of plutonium".
LA-507.
Los Alamos Scientific Lab., N. Mex.
- 200 BRUNSTAD A.
"Coulometric determination of plutonium and uranium".
TID 7516.
AEC Mater. Managem. Contractor.
Representat. Meeting, Washington D.E. 137-160.
- 201 BURNS R.E., BARTON G.B.
"The determination of total plutonium in the presence of aluminium".
HW-15944.
Hanford Works, Richland, Wash.
- 202 CABELL M.J.
"A general method for the rapid determination of total strong acid anion
in solution".
A.E.R.E. C/M 155.
Atomic Energy Research Establishment
Harwell, Berkshire. 1957, 6 pages.
- 203 CARSON W.N., VANDERWATER J., GILE H.S.
"Coulometric determination of Pu".
HW-39-110.
Analyt. Chemist. 1957, n° 10, 1417-22.
- 204 CEFOLA N., ANDRUS W.S.
"Total plutonium assay in the presence of aluminium by $\text{La}(\text{OH})_2\text{-LaF}_3$ carrier
precipitations".
KAPL-M-MC-2.
Knolls Atomic Power Lab., Schenectady, N.Y.
- 205 CHETHAM-STRODE A., Jr.
"The determination of americium in plutonium product solutions".
HW-25205.
Hanford Works, Richland, Wash.
- 206 CHETHAM-STRODE A., Jr.
"Radiochemical studies on the isotope plutonium-241".
HW-28711.
Hanford Atomic Products Operation, Richland, Wash.
- 207 COLICHMAN E.L.
"Polarography in molten ammonium formate".
LRL-117.
Livermore Research Lab., Livermore Calif.

- 208 CCWAN M.R., FOREMAN J.K.
"The separation of the tri, tetra and hexavalent states of plutonium by paper chromatography".
Chem. Ind. G.B.
1954, 2, 1583-1585.
- 209 CROUCH E.A.C., COCK G.B.
"The analysis of complex mixtures of elements resulting from the irradiation of fissile materials".
J. Inorg. and nuclear chemistry, 1956, 2, 223-228.
- 210 DANIEL J.L.
"Densitometric determination of iron in plutonium".
HW-2308C.
Hanford Works, Richland, Wash.
- 211 DOOM L.G., KAMH R.
"Thermal analysis of Pu".
LA-639.
Los Al. Scient. Lab. N. Mex.
- 212 DRETTEN A.B.
"Coulometric titration of plutonium".
AECD-3887.
Knolls Atomic Power Lab., Schenectady, N.Y.
- 213 DRUMMOND J.L.
"The gravimetric determination of Pu as oxide at 1 250 °C".
IGO-AM/W-64.
Gt. Brit. Windscale Works - Sellafield curple - England.
- 214 FINK R.M., FINK K.F.
"The possible use of paper chromatography and radioactive reagents in ultramicro inorganic analysis, with special reference to uranium and plutonium".
UCLA-30.
Los Angeles, California, June 14, 1949.
- 215 FRYXELL R., KLEINSCHMIDT R.
"Some Factors Affecting the Cupferon Extraction Procedure for Estimation of Trace Amounts of Plutonium".
MDDC- 461.
- 216 HALL G.R.
"The effect of C isotopes in the analysis of Pu isotopes using Pu oxide ion beam in the solid source mass spectrometer".
A.E.R.E. C/R 1150.
At. En. Res. Est. Harwell.
- 217 HEALY T.V., BROWN P.E.
"Colorimetric determination of Pu in micro gram quantities".
A.E.R.E. C/R 1287.
At. Energ. Research Estab. Harwell - Berks. - Engl.
- 218 HEMMELMANN L.H., LANGHAM W.H.
"Determination of systemically deposited plutonium in laboratory personnel and a simple qualitative test for exposure to airborne radioactive material".
AECU-2633.
Los Alamos Scientific Lab.

- 219 HOFFMAN D.C.
"Part VI. Plutonium".
AECD-3674.
Los Alamos Scientific Laboratory New Mexico.
September 10, 1954, 45-54.
- 220 HURST D.G., BLOTH A.H., LOUNSBURY M., HANNA G.C.
"Analysis of irradiated uranium and estimation of effective cross-sections".
AECL N° 447 CRR-622 (REV).
- 221 JOHNSON G.L., KOSHLAND D.E.
"Analysis of K and No solutions. Development of radiochemical analytical procedure for Pu".
CN-2043.
Oak Ridge, Tenn.
- 222 KELLEY M.T., THOMAS N P.F., CORBIN L.T., REYNOLDS S.A., BURROS C.L.,
FREDERICK E.J.
"Manual of analytical procedures for the ²³⁵U recovery process".
ORNL-983.
Oak Ridge National Laboratory.
Oak Ridge, Tennessee, August 20, 1951.
- 223 KENDALL L.F.
"Analytical procedures for the plutonium metal fabrication process. VIII. The carrier concentration method".
HW-25206.
Hanford Works, Richland, Wash.
- 224 KING E.L.
"Analysis for Pu(III) and Pu(IV) on a tracer scale".
CN-2726.
California. Univ., Berkeley. Radiation Lab.
- 225 KING E.L.
"Analysis for Pu(III) and Pu(IV) on a tracer scale".
ANL-JJK-14B-45.
California. Univ. Berkeley. Radiation Lab.
- 226 KING G.L.
"A spectrophotometric determination of multimicrogram amounts of plutonium".
LA-1197.
Los Alamos Scientific Lab., N. Mex.
- 227 KO-R.
"Determination of Zr in Pu by ion exchange and spectroscopy".
HW-51831.
Hanf. At. products operation.
- 228 KOSHLAND D.E., Jr.
"Development of radiochemical analytical procedures for plutonium - (2) Recommendations for a standard procedure and tests in uranyl solutions".
CN-2041.
Clinton Labs. Oak Ridge, Tenn.

- 229 LEVENSON M.
"Determination of the conversion ratio of the experimental breeder reactor by radiochemical methods".
ANL-5795.
Argonne National Lab., Lemont, IL.
- 230 MC-KAY H.C.
"Detection of Pu by irradiation in the pile".
AERE C/M 23.
At. En. Res. Est. Harwell.
- 231 METZ C.F.
"The analytical chemistry of Pu (a review - 58 references)".
Analytical chemistry, 1957, 29, 12, 1748-1755.
- 232 MILNER C.W.C., WOODHEAD J.L.
"The volumetric determination of plutonium with ethylenediaminetetraacetic acid".
Analyst G.B.
1956, 81, 964, 427-429.
- 233 MOORE F.L., HUDGENS J.E.
"Separation and determination of Pu by liquid-liquid extraction".
Analytical Chemistry 1957, 29, 12, 1767-9.
- 234 MOORE F.L., HUDGENS J.F., Jr.
"A solvent extraction method for plutonium analysis".
CRNL-153.
Oak Ridge National Lab., Tenn.
- 235 PARLOUR A.K.
"Determination of iron in product solutions".
CN-1656.
Clinton Labs., Oak Ridge, Tenn.
- 236 PATTERSON J.H.
"Manual of special materials analytical laboratory procedures".
ANL 5410.
Argonne National Laboratory.
- 237 SEABORG G.T., PERLMAN M.L.
"Search for elements 94 and 93 in nature presence of ²³⁹94 in pitchblende".
A-1462
California. Univ., Berkeley. Radiation Lab.
- 238 PHILLIPS G., JENKINS F.N.
"The removal of plutonium before the analysis of mixed fission products".
J. inorg. nucl. Chem. USA.
1957, 4, 3/4, 220-224.
- 239 ROSE D.G.
"Analysis of Pu(IV) polymer for chloride ions".
CN-2807.
Clinton Labs. Oak Ridge, Tenn.

- 240 SIKKELAND T., HAALAND J.
"Some analytical methods used in connection with the chemical separation of plutonium".
Joint Establishment for Nuclear Energy Research Kjeller, Norway.
- 241 SMILEY W.G.
"A new micro combustion method for carbon in plutonium".
LA-1128.
Los Alamos Scientific Lab., N. Mex.
- 242 SMITH M.E.
"The polarographic determination of titanium in plutonium solutions".
LA-1345.
Los Alamos Scientific Lab., N. Mex.
- 243 SMITH M.E.
"The spectrophotometric determination of cerium in plutonium".
LA-1995.
Los Alamos Scientific Laboratory. Los Alamos, New Mexico.
- 244 SMITH M.E.
"Determination of vanadium in the presence of plutonium".
LA-1285.
Los Alamos Scientific Laboratory, Los Alamos, New Mexico.
- 246 SMITH M.E., HERHISTEN S.T.
"A proposed method for making a quick estimation of Pu contamination in air".
R.D.3. P.M. (W)2.
- 247 SMITH M.E.
"The determination of free acid in plutonium solutions".
LA-1864
Los Alamos Scientific Laboratory, New Mexico.
- 248 TAYLOR R.E.
"Determination of gases in metals by gasometric methods".
HW-42663 (Rev.).
Hanford Atomic Products Operation, Richland, Wash.
- 249 VAN TUYL H.H.
"A comparison of two methods for the spectrochemical analysis of Pu".
HW-15846.
Hanf. Works. Richland Wash.
- 250 WATERBURY G.R.
"The determination of indium in indium plutonium solutions".
AEC-3845.
Los Alamos Scientific Lab., N. Mex.
- 251 WISE E.N.
"Improved equipment for potentiometric titration procedure".
LA-1176.
Los Alamos Scientific Laboratory. Los Alamos, New Mexico.

- 252 WISH L., ROWELL M.
"Sequential analysis of tracer amounts of Np, U, Pu in fission product mixtures by anion exchange".
USNRDL-TR-117.
Naval Radiolog. Defense Lab. San Francisco.
- 253 ZAIDEL A.N., KALITSEVSKY N.I., LIPISS L.V.
"Analyse spectrale par la méthode de vaporisation. V. Analyse du plutonium par la méthode de vaporisation sous vide (en russe)."
Optika Spektrosk. SSSR.
1957, 3, 1, 16-20.
- 254 ZOTOV G., FOWLER C.A.
"Spectrochemical analysis of plutonium".
AECL N° 298.
Chalk River, Ontario.

III. - PROPRIETES PHYSIQUES

- 255 "Stable isotopes division semiannual progress report for period ending November 30, 1956".
ORNL-2236.
Oak Ridge National Lab.
- 256 ADAMSON A.W.
"Studies in ion exchange adsorption : the dynamics of plutonium (IV) adsorption from aqueous uranyl nitrate solutions".
CN-1859.
Clinton Labs. Oak Ridge, Tenn.
- 257 BALL J.G., ROBERTSON J.A.L., MARDON P., LEE J.A., ADAMS E.T.
"Some physical properties of metallic plutonium".
Nature G.B., 1954, 173, 4403,535.
- 258 BERLINCOURT T.G., LEHMAN G.W.
"I. Electronic structure of thorium, uranium and plutonium".
NAA-SR-1637.
North American Aviation, Inc. August 15, 1956, 7-24.
- 259 BETTS R.H., HARWEY B.G.
"The absorption spectra of Pu ion in aqueous solution (purification of Pu)".
CRC 390-NRC 1850.
Nat. research. Concil Can. At. Energy Project. Div. Research.
- 260 BIDDLE W.F.
"Plutonium properties and potential uses in nuclear power reactors".
Metal Industry - 1957, 94, 14, 293-6.
- 261 BOVEY L.F.H.
"A Furnace for obtaining optical spectra of radioactive elements".
J. Sci. Instr., 1955 oct. 32, 376-8.
- 262 BREWER, LEO.
"The Thermodynamics of the Actinides".
AECD-1899.
Argonne National Laboratory.
- 263 CAUCHOIS Y., MANESCU I., LE BERQUIER F.
"Spectre L du plutonium (note)".
C.R. Acad. Sci. Fr.
1954, 239, 25, 1780-1782.
- 264 CAUCHOIS Y., MANESCU I.
"Spectre de fluorescence L du plutonium".
C.R. Acad. Sci. Fr.
1956, 242, 11 (12 mars), 1433-1436.
- 265 COMSTOCK A.A.
"Measurement of plutonium liquid density".
LA-1348.
Los Alamos Scientific Laboratory. Los Alamos, New Mexico.

- 266 CONWAY J.G.
"Furnace spectrum of plutonium".
J. Opt. Soc. Amer.
1954, 44, 4, 276-278.
- 267 CUBICCIOTTI D.
"The volatilization of tracer plutonium from molten uranium metal".
NAA-SR-242.
North American Aviation, Inc. Downey, Calif.
- 268 CUBICCIOTTI D.
"The evaporation of plutonium from small pieces of uranium reactor fuel".
NAA-SR-1057.
North American Aviation, Inc. Downey, Calif.
- 269 CUNNINGHAM B.B., GRUEN D.H., CONWAY J.G., McLAUGHLIN R.D.
"Fluorescence spectrum of Pu⁺³ in LaCl₃ (lettre)".
J. Chem. Phys. USA.
1956, 24, 6, 1275.
- 270 DAWSON J.K.
"Magnetochemistry of the heaviest elements. Part VIII. Metallic plutonium".
J. Chem. Soc. G.B.
Octobre 1954, 3393-3396.
- 271 DAWSON J.K.
"The magnetic susceptibility of Pu in the region 20-350 °C".
A.E.R.E. - C/R 985.
Atom. Energ. Research Establ. Harwell - Berks.
- 272 DAWSON J.K., Hall G.R.
"Electronic configuration of the actinide elements".
Peaceful uses of Atomic Energy.
1956, 7, P/440, p. 231.
- 273 DAWTON R.H.V.M., WILKINSON K.L.
"Plutonium: evaporation tests, ionisation potential and electron emission".
A.E.R.E. GP/R 1906.
Harwell, Berks, April 1955.
- 274 ELLINGER F.H.
"Crystal structure of delta-prime plutonium and the thermal expansion characteristics of delta, delta-prime, and epsilon plutonium".
J. Metals USA.
1956, 8, 10, part 2, 1256-1259.
- 275 GRIFFIN P.M., McNAILY J.R., Jr.
"Zeeman effects in the spectrum of plutonium (lettre)".
J. Opt. Soc. Amer.
1955, 45, 1, 63.
- 276 GRUEN D.H.
"An interpretation of the visible and near-infrared spectra of Np^{C2+} and Pa^{D2+} ions (lettre)".
J. Chem. Phys. USA.
1952, 20, 11, 1818-1819.

- 277 GUEBEN G.
"The transuranic elements (chemical and physical properties)"
Rev. questions Sci. 1953, 14, 161-80.
- 278 HAALAND J.
"Wavelength and intensity measurements in the spark excited spectrum
of Pu".
Joint Establ. for Nuclear. En. Research Norway. Jener Report n° 51.
- 279 HAAS W.O.
"Measurement of plutonium decontamination".
KAPL-M-WOH-2.
Knolls Atomic Power Laboratory.
- 280 HALL G.R., HERNIMAN P.D.
"The spectrophotometric assay of plutonium in aqueous solution".
A.E.R.E. C/R 975.
Harwell, Berks, 1952, 6 pages.
- 281 HERNIMAN G.R., WALTER A.J.
"Spectrometric studies of Pu in nitric acid solution".
A.E.R.E. C/R 712.
At. En. Res. Est. Harwell.
- 282 HALL G.R., WALTER A.J.
"An experimental of the specific activity and isotopic content of
Pu sample".
A.E.R.E. - C/R 874.
Atm. Energ. Res. Establ. Harwell.
- 283 HOVE J.E.
"Electron energy states in thorium, uranium and plutonium".
TID-4005.
Division of Research, AEC, Washington, D.C.
- 284 HOVE J., DIXON C.
"Solid state physics semi-annual progress report (for) July-December 1955"
NAA-SR-1637.
North American Aviation, Inc. Canoga Park, Calif.
- 285 HOWLAND J.J., CALVIN M.
"Paramagnetic susceptibilities and electronic structures of aqueous
cations of elements 92 to 95".
UCRL-206.
California, Univ., Berkeley. Radiation Lab.
- 286 JETTE E.R.
"Some physical properties of plutonium metal".
J. Chem. Phys. USA.
1955, 23, 2, 365-368.
- 287 KALITEESKI N.I., CHAIKA M.P.
"Investigation of the hyperstructure of the spectra of Pu and U isotopes".
A.E.R.E. Lib/Trans. 634.
At. En. Res. Establ. Harwell.

- 288 KEENAN T.K.
"Isotopic exchange between (Pu(III) and Pu(IV))".
J. Phys. Chem. USA.
1957, 61, 8, 1117-1120.
- 289 KUIG E.L.
"Radiocolloidal behaviour of Np and Pu. Absorption of PU IV at trace concentration in to glass".
MDDC 393.
Oak Ridge Tenn.
- 290 FLINGENBERG P.F.A.
"Le spectre du plutonium neutre et sa structure hyperfine (résumé) (en allemand)".
Angew. Chem. Dtsch.
1954, 66, 20, 642-643.
- 291 KROSTILEVA L.A., STRIGANOV A.R., LACHINE N.M.
"Structure ultra-fine des raies spectrales et spins des noyaux d'²³³U et de ²³⁹Pu (en russe)".
Izv. Akad. nauk SSSR.
1955, 19, 1, 31-34.
- 292 KROSTILLEVA L.A., STRIGANOV A.R., LACHINE N.M.
"Structure ultra-fine des raies spectrales et spins des noyaux de ²³³U et ²³⁹Pu (en russe)".
Zh. eks. teor. Fiz. SSSR.
1955, 28, 4, 471-479.
- 293 LEFEVRE J.
"Bibliographie sur les propriétés physiques et chimiques du plutonium et de certains de ses composés".
Note C.E.A. N° 191, février 1957, 7 pages.
- 294 LEHMAN G.W.
"Electronic properties of thorium, uranium and plutonium. I. Atomic energy levels".
NAA-SR-1659.
North American Aviation, Inc. November 15, 1956, 19 pages.
- 295 LEHMAN G.W.
"Electronic properties of Th, U and Pu : II. Energy band structure of metallic phases".
NAA-SR-1839.
North Amer. Aviat., May 1, 1957.
- 296 LEWIS W.B.
"Magnetic susceptibility of some Pu⁺⁴ compounds".
J. of Chemical Physics 27, n° 4, 904-908. 1957.
- 297 LORD W.B.H.
"Some physical properties of metallic plutonium".
Nature, G.B.
1954, 173, 4403, 534-535.
- 298 MCKENZIE D.E.
"The volatilization of plutonium from neutron irradiated uranium".
Canad. J. Chem.
1956, 34, 4, 515-522.

- 299 MCKENZIE D.E., JENKINSON W.M., DENOVAN A.S.
"The limiting heat of solution of plutonium in some rare earth metals".
Canad. J. Chem.
1956, 34, 9, 1176-1181.
- 300 McNALLY J.R.
"A survey of plutonium spectrum data".
CRNL-2154.
Oak Ridge National Lab., Tenn.
- 301 McNALLY J.R., Jr, GRIFFIN P.M.
"Atomic spectroscopy. Spectrum of singly ionized plutonium, Pu(II)".
CRNL-2114.
Oak Ridge National Laboratory, Oak Ridge, Tennessee.
August 14, 1956, 5-6.
- 302 MARKUS R., HUBLOS J.C., NIERENBERG W.A.
"Hyperfine structure of plutonium-239".
Bull. Am. Phys. Soc.
1957, 2, 6, 316.
- 303 McNALLY J.R., GRIFFIN P.M.
"Spectrum of singly ionized plutonium, Pu(II)".
ORNL-2236.
Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- 304 MARDON P.G., ROBERTSON J.A.L., BALL J.G.
"An approximate determination of the specific heat of ~~α~~ Pu".
A.E.R.E. - M/R - 1181.
Atom. Energ. Res. Establ., Harwell Berks.
- 305 MILLER G.D.
"Americium²⁴¹ as a photon source for the gamma absorptiometric technique".
HW-39971.
Hanf. At. prod. Richland. Wash.
- 306 MONK, ARDIS T., ALLISON S.K.
"Computed Values of X-Ray Lines and Limits for the Trans-Uranic Elements".
AECD-2263.
- 307 MCORE E., DEW J.R.
"Investigations of the chemistry of plutonium. Preliminary studies
of plutonium in alkaline solutions".
CN-2216.
Clinton Labs., Oak Ridge, Tenn.
- 308 PHIPPS T.E., RAUH E.G., SIMPSON O.C.
"An interim report on studies of the thermionic properties of surfaces
consisting of plutonium atoms adsorbed on oxygenated tungsten".
ANL-4654.
Argonne National Lab., Lemont III.
- 309 PHIPPS T.E., SEARS G.W., SEIFERT R.L., SIMPSON O.C.
"Vapor pressure of liquid plutonium".
Conférence de Genève 8/P/735.

- 310 PRICE G.R.
"Fluorescence Studies of Plutonium, Neptunium and Americium".
MDDC-1666.
University of Chicago.
- 311 STRIGANOV A.I.T., KOROSTYLEVA L.K.
"The atomic spectrum of Pu".
A.E.C. - tr - 2918.
Optika i Spectroskopya, 1956, 1, 957-64.
- 312 STRIGANOV A.R., KOROSTYLEVA L.A., DONTSOV Yu. P.
"Isotope shifts in the plutonium spectrum".
RE 431.
Zh. Eksp. Teor. Fiz. SSSR., 1955, 28, 4, 480-484.
Translation A.E.R.E. Lib/ Trans 645.
- 313 STRIGANOV A.R., KOROSTYLEVA L.A., DOUTZEV Iu. P.
"Déplacement isotopique dans le spectre du plutonium (en russe)".
Izv. Akad. nauk SSSR.
1955, 19, 1, 34-35.
- 314 VAN DEN BERG M., KLINKENBERG P.F.A.
"The optical spectrum of plutonium and its hyperfine structure".
Physica. P-B.
1954, 20, 8, 461-480.
- 315 WALTON G.N.
"Quenching of the fluorescence of traces of uranium in fused sodium fluoride by iron and plutonium (résumé)".
Analyt. Chem. USA.
1954, 26, 9, 1525.
- 316 WALTON G.N.
"The quenching of the fluorescence of traces of uranium in fused sodium fluoride by iron and plutonium".
Mikrochim. Acta. Dtsch.
1954, 5, 587.
- 317 WYATT L.M.
"The production of reactor fuel elements-3".
Nuc. Power G.P.
1956, 1, 3, 125-129.
- 318 ZACHARIASEN W.H., ELLINGER F.H.
"Crystal chemical studies of the 5f-series of elements. XXIV. The crystal structure and thermal expansion of γ -plutonium".
Acta. Crystal. Dann.
1955, 8, Part 7, 431-433.
- 319 ZACHARIASEN W.H., ELLINGER F.H.
"The crystal structure and thermal expansion of gamma plutonium".
AECU-3085.
Los Alamos Scientific Lab., N. Mex.
- 320 ZACHARIASEN W.H.
"The crystal structure of gamma plutonium".
LA-1325.
Los Alamos Scientific Lab., N. Mex.

321

ZACHARIASEN W.H., ELLINGER F.
"Crystal structure of alpha Pu metal (letter)".
The Journal of Chem. Physics, 27, 3, 811.

IV. - PRODUITS NUCLEAIRES - ISOTOPES

1) Le plutonium dans les piles.

- 322 ASTLEY E.R.
"Effects on the inhour equation for reactors fuelled with mixtures of fissionable material".
HW 43 744.
Hanford Atomic Products operation, Richland (Wash.).
- 323 BIRAM M.
"A comparison between homogeneous media and lattice structures for systems where criticality would be governed by fast fission".
A.E.R.E. T/R 962.
Harwell Berks.
- 324 BROOKS H.
"Discussion of Hanford alpha experiment with Professor H.A. Bethe".
KAPL-M-HB-2.
Knolls Atomic Power Lab., Schenectady, N.Y.
- 325 CHRISTY R.F., WHEELER J.A.
"Chain reaction of pure fissionable materials in solution".
CP-400.
Chicago Univ. Metallurgical Lab.
- 326 CLAYTON H.H., FELL.
"Fate of neutrons in NRX pile and production rates of 49 and 23
Appendix : Fraction of total neutron current entering the reflector captured by the Thorium rods".
A.E.C.L. 377.
- 327 COHEN E.R., SEHNERT R.H.
"Long term irradiation of nuclear fuels".
NAA-SR-845.
North American Aviation Inc Downey Calif.
- 328 COHEN E.R., SEHNERT R.H.
"Long term irradiation of nuclear fuels".
NAA-SR-924.
North American Aviation, Inc. Downey Calif.
- 329 DAVEY W.G.
"The build-up of Pu isotopes by irradiation .The build-up and the EIR2".
A.E.R.E. R/M 118.
Harwell Berks.
- 330 DILLON I.G., BURRIS L., Jr.
"Estimation of fission product spectra in full elements discharged from the power breeder reactor".
ANL 5334.
Argonne National Lab. Lemont Illinois.
- 331 DIVEN B.C., MARTIN H.C., TASCHEK R.F., TERRELL J.
"Multiplicities of fission neutrons".
Phys. Rev. 1956, 101, 1012-1015.

- 332 ENGELKEMEIR I.D., HILL D.L.
"Colorimetric determination of Product power ratio and of fission energy".
CF 2773.
Chicago University Metallurgical Lab.
- 333 FENNING F.W., HORTON C.C., McCULLEN J.D.
"A two group analysis of ZETR experiments".
A.E.R.E. R/R 1225.
A.E.R.E. Harwell Berks. G.B.
- 334 GUEBELY M.E., SIKKELAND T.
"Preparation of infinitely thin Pu sources by adsorption".
Acta. Chem. Scand.
1957, 11, 3, 473-478.
- 335 HAAS W.O.
"Measurement of Pu decontamination".
KAPL-M-WCH-2.
Knolls Atomic Power Lab. Schenectady. N.Y.
- 336 HANNA G.C.
"Isotopic composition of NRX plutonium".
ER-P-27 AECL N° 243.
Chalk River - Ontario.
- 337 HARVEY J.A., HUGHES D.J.
"Effect of recent cross-section measurements on pile constants".
BNL 22
Brookhaven National Lab. N.Y.
- 338 HEINEMAN R.E.
"Parameters characterizing the equilibrium state in Pu-Fed-Back reactors".
HW-4525.
Hanford works Richland Wash.
- 339 HEINEMAN R.E., LEFEVRE H.W.
"The reactivity value of highly burnt Plutonium in thermoreactors".
HW 43 922.
Hanford Atomic products operation Richland (Wash.)".
- 340 HORTON C.C., McCULLEN J.D.
"Plutonium-water critical assemblies".
Conf. de Genève 8/P/428.
- 341 JAFFEY A.H.
"Long-term variation composition and neutron yield in pile plutonium".
PREPRINT 205.
Amer. Nuclear Soc.
Nuclear Engng. Sci. Congr., Cleveland, Ohio. December 12-16, 1955.?
- 342 LAWRENCE B.R.
"The long term effects of the various isotopes in fuel rods on the multiplication constant of a Pu producing reactor".
NAA-SR-Memo 122.
North American Aviation. Inc. Downey. Cal.

- 343 MCKAY H.A.C.
"Detection of Plutonium by irradiation in the pile".
A.E.R.E. - C/M 23
Harwell, Berks, G.B.
- 344 MCKAY H.A.C., NICHOLLS C.M.
"The criticality safety of chemical plant producing fissile materials".
Conf. de Genève 8/P/454.
- 345 QUILICO G.
"Burn-up of fissionable material and Plutonium production in Uranium
thermal reactors (en Italien)".
Energia Nucleare (Milan) 1957, 4, 115-127.
- 346 RODERICK C.
"Natural uranium plutonium spiked system".
NAA-SR-845.
North American Aviation Inc. Downey Calif.
- 347 STEWART W.A., BUCHANAN J.R., Jr., LEEDERS R.E., REYNOLDS A.B.
"A parameter study of the K-49 reactor blanket".
K-1173.
- 348 THOMAS J.T.
"Limiting concentrations for fissile isotopes".
CF-55-11-104.
Oak Ridge Nat. Lab. Tenn.
- 349 WALKER W.H.
"Fission product accumulation".
CRRP 634.
AECL Chalk River Ontario.

2) Etude de plusieurs isotopes.

- 350 COLLECTIF.
"The formation of higher isotopes and higher elements by reactors
irradiation of ^{239}Pu ; some nuclear properties of the heavier isotopes".
Conférence de Genève 8/P/809.
- 351 ADAMTSCHICK Iu.V., GERASSIMOV V.F.
"Mesure des sections efficaces totales et de fission de quelques isotopes
d'éléments lourds pour des neutrons monocinétiques à l'aide d'un sélec-
teur de vitesses mécanique (en russe)".
Conférence de Genève 55-606 8/P/645.
- 352 ADER M.
"Long range particles emitted by natural α radioactive element".
J. Phys. Rad. 1956, 17, 541-4.
- 353 ASHLEY R.L.
"Pu production in fused fluorite capsules bombarded by deuterons".
NAA-SR Me. 5-186.
North American Aviation Inc. Downey Cal.

- 354 ASARO F., PERLMAN I.
"The alpha-spectra of ^{239}Pu and ^{240}Pu ".
Phys. Rev. USA.
1952, 83, 4, 828-831.
- 355 AUCLAIR J.M., GALULA M., HUBERT P., JACROT B., JOLY R.,
NETTER F., VENDRYES G.
"Mesures de sections efficaces de noyaux fissiles pour les neutrons
lents".
Conférence de Genève 8/P/354.
- 356 BARANCŮ S.A., CELLAGUINE K.N.
"Niveau d'énergie des noyaux de ^{238}Pu et ^{239}Pu (en russe)".
Atom. Energ. SSSR.
1956, 1, 52-55.
- 357 EL TLEY W.C., DIAMOND E., etc...
"The formation of higher isotopes and higher elements by reactor
irradiation of ^{239}Pu . Some properties of the heavier isotopes".
Peaceful uses of Atom. energy - 7, 261.
- 358 BROOKS H.
"Measurement of ^{240}Pu at 20 kV".
Knolls Atom. Power Lab. N.Y.
- 359 BRUNSON G.S., HERRITT E.N., McCURDY R.D.
"Measurement of delayed neutron fields in Pu, ^{233}U , ^{238}U and Th relative
field in ^{235}U ".
ANL 5480.
Argonne National Lab. Lemont Illinois;
- 360 BUTLER J.P., EASTWOOD T.A., COLLINS T.L., JONES M.E.,
ROURKE F.M., SCHUMAN R.P.
"Half-lives and capture cross-sections of the heavy plutonium
isotopes (résumé)".
Ball. Amer. Phys. Soc.
1956, 1, 4, 187.
- 361 BUTLER J.P., EASTWOOD T.A., COLLINS T.L., JONES M.E.,
ROURKE F.M., SCHUMAN R.P.
"Half-lives and neutron capture cross sections of the heavy
plutonium isotopes".
Phys. Rev. USA.
1956, 103, 3, 634-637.
- 362 BUTLER J.P., LOUNSBURY H., HERRITT J.
"Determination of a neutron capture cross-section of ^{242}Pu , ^{238}Pu
and ^{243}Am ".
CRC-628.
AECL Chalk River (Ontario).
- 363 BUTLER J.P., LOUNSBURY H., HERRITT J.S.
"The neutron capture cross sections of ^{238}Pu , ^{242}Pu , and ^{243}Am in
the thermal and epithermal regions".
Canad. J. Phys.
1957, 35, 2, 147-154.

- 364 CARLSON J., NERESON N., SUTTMAN S.
"The fission neutron spectrum of Pu".
LA 1073
Los Alamos Scientific Lab. N. Mex.
- 365 CHAMBERLAIN O., GOFMAN J.W., SEGRE E., WAHL A.C.
"Range measurements of ^{239}Pu and ^{238}Pu ".
MDDC 489 - LADC 258.
- 366 CHLLAGUINE K.N.
"Spectres électroniques du ^{239}Pu , du ^{240}Pu et du ^{241}Pu (en russe)".
Zh. Eksp. Theor. Fiz. SSSR.
1956, 30, 5, 817-823.
- 367 CHURCH E.L.
"Decay schemes of the transuranic elements".
ANL 5420.
Argonne Nat. Lab., May, 1956, 35-42.
- 368 CORNISH F.W., LOUNSBURY H.
"Cross-sections of ^{239}Pu and ^{240}Pu in the thermal and epithermal regions".
CRC 633.
AECL Chalk River Ontario.
- 369 COLE R.E., BOLLINGER L.M., LEBLANC J.H., THOMAS G.E.
"Neutron cross-section measurements on plutonium (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 4, 187.
- 370 CRANE W.W.T., HIGGINS G.H., BOWMAN H.R.
"Average number of neutrons per fission for several heavy element nuclides".
Phys Rev. 1956, 101, 1804-5.
- 371 DIAMOND H., MAGNUSSON L.B., NECH J.F., STEVENS C.M., FRIEDMAN A.M.,
STUDIER M.H., FIELDS P.R., HUIZENGA J.R.
"Identification of californium isotopes 249, 250, 251, and 252 from
pile-irradiated plutonium (lettre)".
Phys. Rev. USA.
1954, 94, 4, 1083-1084.
- 372 DROFEEV G.A., DOBRININE Iu. P.
"Sections effectives de fission de ^{233}U , ^{235}U , ^{239}Pu et ^{240}Pu pour
des neutrons d'énergie de 30 keV à 5 MeV (en russe)".
Atom. Energ. SSSR.
1957, 2, 1, 10-17.
- 373 EGELSTAFF P.A.
"Tables of neutron cross-sections of fissile materials. I Harwell data".
NRDC 81.
AERE Harwell Berks G.B.
- 374 EROZOLINSKI B.G., KOUTIKOV I.E., DOBRININE Iu.P., PEVZNER M.I.,
DAMELIANE L.S., MOSKAKEV S.S.
"Mesure de la quantité moyenne de neutrons ν émis lors d'une capture
pour des échantillons de ^{239}Pu avec addition de l'isotope ^{240}Pu et de
l'intégrale de résonance effective de capture de ^{240}Pu (en russe)".
Atom. Energ. SSSR.
1956, 3, 27-30.

- 375 FARWELL G.W., ROBERTS J.E., WAHL A.C.
"Half-lives of ^{240}Pu and ^{239}Pu ".
Phys. Rev., USA.
1954, 94, 2, 363-364.
- 376 FEETREK N.
"Note sur la caractérisation par ses radiations et isotopes du radioélément 94 de vie moyenne 50 ans".
Rapport déclassifié anglais Ek 48.
- 377 FIELDS P., WEISS M.A.
"The composition of Pu, Am and Cm resulting from irradiation of ^{241}Am in a high neutrons flux".
ANL-WM-114v.
Argonne National Lab., Lemont III.
- 378 FIELDS P.R., PYLE G.L., INGRAM M.G., STUDIER M.H., MANNING W.M.
"Pile neutron cross-sections of the heavier plutonium isotopes".
PREPRINT 202.
Amer. Chem. Soc., Nuclear Engng. Sci. Congr., Cleveland, Ohio.
December 12-16, 1955.
- 379 FIELDS P.R., PYLE G.L., INGRAM M.G., DIAMOND H., STUDIER M.H., MANNING W.M.
"Pile neutron cross-sections of the heavier plutonium isotopes".
Nuclear Sci. Engng. USA.
1956, 3, 1, 62-67.
- 380 FLEMING W.H., THOLE H.G.
"The relative yields of the isotopes of xenon in plutonium fission".
Canad. J. Chem.
1956, 34, 3, 193-200.
- 381 FRASER J.S.
"The angular correlation of the prompt fission neutrons".
Atomics, 1955, 6, 350-354 + 358.
- 382 FRIEDMAN H.S., WAGNER F. Jr., ENGELKE-REIR D.W.
"The beta-spectra of ^{239}Pu , ^{240}Pu and ^{241}Pu ".
Phys. Rev. USA.
1952, 88, 5, 1155-1158.
- 383 GALULA M., JACROT B., NETTER F.
"Mesures relatives à la section efficace de fission du plutonium pour des neutrons lents (note)".
C.R. Acad. Sci. Fr.
1954, 239, 18, 1128-1130.
- 384 GIBSON W.M., GLASS R.A., SEABORG G.T.
"Fission-spallation competition in heavy elements".
UCRL-3068.
Radiation Lab. Univ. of California.
- 385 GLASS R.A.
"Studies in the nuclear chemistry of Pu, Am, and Cm and the masses of the heaviest elements".
UCRL-2560.
Radiation Lab. Univ. Calif. Berkeley.

- 386 GLASS R.A., CARR R.J., COBBLE J.W., SEABORG G.T.
"Spallation-fission competition in heaviest elements : helium-ion-induced reactions in plutonium isotopes".
Phys. Rev. USA.
1956, 104, 3, 434-447.
- 387 GLASS R.A., CARR R.J., COBBLE J.W., SEABORG G.T.
"Nuclear Reaction mechanisms Fission-spallation competition in heavy elements - Group program and cross-sections for reactions of ^{239}Pu , ^{238}Pu and ^{242}Pu with alpha particles".
UCRL-2932.
Radiation Lab. Univ. of California.
- 388 GOLDINE L.L., TRETIAKOV E.F., NOVIKOVA G.I.
"Spectres alpha des éléments lourds (résumé en anglais)".
Session de l'Académie des Sciences de l'U.R.S.S. pour l'utilisation de l'énergie atomique à des fins pacifiques.
1-5 juillet 1955, 226-250.
- 389 HALPERIN J., STOUGHTON R.W., STEVENS C.M., FERGUSON D.E., JERHOL F.
"An effective capture cross-section of ^{239}Np for thermal reactor neutrons".
Nuclear Sci. and Eng., 1956, 1, 108-111.
- 390 HARMATZ B., CURDY H.C., CASE F.N.
"Catalog of uranium, thorium and plutonium isotopes".
ORNL 1724.
Oak Ridge Nat. Lab. June 3, 1954.
- 391 EALY J.W.
"Proposed revision in computation of MPC, for long-lived radioisotopes".
HW 35 663.
Hanford Atomic products operation - Richland (Wash.).
- 392 HICKS T.A., ISE J., Jr., PYLE R.V.
"Probabilities of prompt-neutron emission from spontaneous fission".
Phys. Rev., 1956, 101, 1016-1020.
- 393 HOCKER H.
"Sections efficaces de substances fissiles (en allemand)".
Atomk. Energ. Dtsch.
1956, 5, 161-164.
- 394 HUIZENGA J.R., GINDLER J.E., DUFFIELD R.B.
"Relative photofission yields of several fissionable materials".
Phys. Rev. USA., 1954, 95, 4, 1009-1011.
- 395 KALACHNIKOVA V.I., ZAKHAROVA V.P., KRASNOUCHLINE A.V., LEBEDEV V.I., MIKHAELIANE L.A., SPIVAK P.E., PEVZNER M.I.
"Mesure du nombre moyen de neutrons formés au cours de la fission de divers isotopes de l'uranium et du plutonium (résumé en anglais)".
Session de l'Académie des Sciences de l'U.R.S.S. pour l'utilisation de l'énergie atomique à des fins pacifiques.
1-5 juillet 1955, Moscou 156-169.

- 396 KASTEN P.R.
"Summary of some new nuclear data".
ORNL-2142.
Oak Ridge National Laboratory, Oak Ridge Tenn.
- 397 KATCOFF S., MISKEL J.A., STANLEY C.W.
"Ranges in air and mass identification of plutonium fission fragments".
Phys. Rev. USA:
1948, 74, 6, 631-638.
- 398 LEONARD B.R.
"Normalization of the ^{239}Pu and ^{241}Pu fission cross-sections."
HW-48893.
Hanford Atomic Products Operation - Richland Washington.
- 399 LUCMA E.V.
"Deuteron-induced spallation and fission reactions in plutonium isotopes".
UCRL-3495.
Radiation Laboratory Berkeley, California.
- 400 MAGNUSSON L.B., STUDIER M.H., FIELDS P.R., STEVENS C.M.
"Berkelium and californium isotopes produced in neutron irradiation of Pu".
Phys. Rev., 1954, 96, 1576-82.
- 401 MARTIN J.A., CASE F.N., HAYNES V.O.
"Catalog of the isotopes of the heavy elements".
ORNL-2141.
Oak Ridge National Lab. Tenn.
- 402 MOORE R.L.
"Spins of excited states of some odd-A nuclei according to the collective model".
AECU 2912.
Los Alamos Scientific Lab. N. Mex.
- 403 NETTER F., JULIEN J., CORGE C., BALLINI R.
"Sections efficaces de fission pour les neutrons entre 1 et 3 MeV".
J. Phys. Rad., 1956, 17, 565.
- 404 PATTENDEN N.J.
"Proceeding of the Tripartite Conference on cross-sections of Fissile Nuclei".
A.E.R.E. NP/R 2076.
Atomic Energy Harwell Berks G.B.
- 405 PATTENDEN N.J.
"The slow neutron total cross-section of plutonium".
J. Nuclear Energy G.B.
1956, 2, 3, 187-192.
- 406 HERIMAN I., STEPHENS F.S., HUMMEL J.P., PILGER R.C., ASARO F.
"Excited states of heavy even-even nuclei".
UCRL-3068.
Radiation Lab. Univ. of California.

- 407 FERRIN F., GUMBEL E.
"Valeurs internationales des sections efficaces des isotopes fissiles pour les neutrons thermiques".
C.R. Acad. Sci., 1955, 241, 669.
- 408 PRATT W.W., MUCKENTHALER F.J., SILVER E.G.
"Thermal-neutron fission cross-sections of ^{239}Pu and ^{240}Pu ".
ORNL-2081.
Oak Ridge, Tennessee.
- 409 RAFFLE J.F.
"The absolute values of the fission cross-sections of several isotopes".
NRDC-51.
Harwell, Berks G.B.
- 410 RAFFLE J.F., PRICE B.T.
"The cross-sections of the plutonium isotopes".
Conférence de Genève 8/P/422.
- 411 RASMUSSEN J.O., STEPHENS F.S., Jr, STROMINGER D.
"Beta emitter ^{238}Np II - Scintillation spectroscopy and coincidence studies".
Phys. Rev., 1955, 99, 47-55.
- 412 REDMAN C., SAXON D.
"An investigation of the delayed neutron decay curves resulting from uranium and plutonium fission".
MDDC 1607.
- 413 REDMAN W.C., SAXON D.
"Neutrons retardés dans la fission du plutonium et de l'uranium".
Phys. Rev. USA.
1947, 72, 7, 570-575.
- 414 RICHMOND R., PRICE B.T.
"Fission cross-sections as a function of neutron energy- II. Plutonium-239 and plutonium-241".
J. Nuclear Energy G.B.
1956, 2, 3, 177-186.
- 415 ROJOSA G.M., FEED W.F.
"L X-Ray energies of Np, Pu, Am".
Phys. Rev., 1956, 101, 591-593.
- 416 ROSE H., SMITH R.D.
"Delayed neutrons investigations with the Zephyr fast reactor. Part II : The delayed neutrons rising from fast fission in ^{235}U , ^{239}U , ^{238}U , ^{239}Pu and ^{232}Th ".
J. Nuclear Energy, Feb. 1957, 4, 133-146.
- 417 SANDERS J.E.
"A comparison of the average number of prompt neutrons emitted in fission of some uranium and plutonium isotopes".
A.E.R.E. RP/R 1627.
Harwell, Berks.
- 418 SANDERS J.E.
"A comparison of the average number of neutrons emitted in fission of some uranium and plutonium isotopes".
J. Nuc. Energ. USA.
1956, 2, 4, 247-254.

- 419 SEGRE E., WEIGAND C.
"Energy spectrum of spontaneous fission fragments".
Phys. Rev. USA.
1954, 94, 1, 157-158.
- 420 LEONARD B.R.
"The total one fission cross section of plutonium".
Conférence de Genève 1956 8/P/589.
- 421 SIMMONS O.D., FLUHARTY R.G.
"Neutron resonance parameters for ^{239}Pu and ^{240}Pu (résumé)".
Bull. Amer. Phys. Soc.
1957, 2, 4, 219.
- 422 SMITH W.G., HOLLANDER J.M.
"Conversion electron spectra of ^{242}Cm and ^{244}Cm ".
Phys. Rev., 1956, 101, 746-750.
- 423 SMITH W.G., GIBSON W.M., HOLLANDER J.M.
"Electron-capture decay of ^{239}Am and ^{240}Am ".
Phys. Rev. USA.
1957, 105, 5, 1514-1517.
- 424 STEVENS C.M., STUDIER M.H., FIELDS P.R., MECH J.F., SELLERS P.A.
FRIEDMAN A.H., DIAMOND H., HUIZENGA J.R.
"Curium isotopes 246 and 247 from pile-irradiated plutonium".
Phys. Rev. USA.
1954, 94, 4, 974.
- 425 THOMAS T.D., VANDENBOSCH R., GLASS R.A.
"Decay properties of ^{235}Pu , ^{237}Pu and a new isotope ^{233}Pu ".
Phys. Rev. USA.
1957, 106, 6, série 2, 1228-1232.
- 426 THOMPSON S.G., GHIORSO A., HARVEY B.G., CHIPPIN G.R.
"Transcurium isotopes produced in the neutron irradiation of
plutonium (lettre)".
Phys. Rev. USA.
1954, 93, 4, 908.
- 427 WALLACE J.
"Delayed neutrons from fast fission of plutonium".
ANL-4174.
Argonne National Lab. Lemont ILL.
- 428 WILES D.R., CORVELL C.D.
"Fission yield fine structure in the mass region 99-106".
Phys. Rev. USA.
1954, 96, 3, 696-702.

3) ^{232}Pu à ^{238}Pu

- 429 HOFFMAN D.C.
"Alpha decay in plutonium-237 (lettre)".
J. Inorg. Nucl. Chem. G.B.
1957, 4, 5/6, 383-385.
- 430 HOFFMAN D.C., FORD G.P., LAWRENCE F.O.
"Half-life of ^{236}Pu ".
J. Inorg. Nucl. Chem. USA.
1957, 4, 3/4, 143-145.
- 431 JONGERMAN J.
"Spontaneous fission of ^{238}Pu ".
LAMS 991.
Los Alamos Scientific Lab. (N. Mex.).
- 432 MILTON J.C.D., FRASER J.S.
"K α 15 - The α - γ angular correlation in the decay of ^{224}Ra , and ^{238}Pu (résumé)".
Bull. Amer. Phys. Soc.
1954, 29, 4, 10.
- 433 NEWTON J.C., ROSE B., MILSTED J.
"Gamma radiation from the decay of $^{238}\text{Pu}_{94}$, $^{242}\text{Pu}_{96}$, and $^{243}\text{Cm}_{96}$ ".
Philosoph. Mag. G.B.
1956, 1, 2, série 8, 981-1002.
- 434 REED G.W., Jr.
"Radiations associated with the transition $^{238}\text{Pu} \rightarrow ^{234}\text{U}$ ".
AEC-D 3185.
Argonne National Laboratory Chicago, Illinois.

4) ^{239}Pu

- 435 ANONYME
"International values for thermal cross-sections of fissionable isotopes".
J. Nuclear Energy G.B.
1955, 2, 2, 143-144.
- 436 ANONYME
"Spectre des neutrons de fission de ^{239}Pu (en russe)".
Prog. Sci. Phys. URSS.
1953, 50, 1, 141-142.
- 437 ADER M.
"Particules de longs parcours émises par une source de plutonium-239".
C.R. Acad. Sci. Fr.
1955, 241, 24 (14 décembre), 1748-1749.
- 438 ADER M., CABANNES M.P., COMTE P.
"Spectres de particules anormalement longues émises par les dépôts actifs de ^{210}Po et de ^{239}Pu (lettre)".
J. Phys. Radium Fr.
1957, 18, 7, 475-476.

- 439 ALBOUY G.
 "Contribution à l'étude de quelques états excités de noyaux lourds au moyen des émulsions sensibles aux trajectoires individuelles d'électrons".
 Ann. Phys. Fr.
 1956, 1, 99-151.
- 440 ALBOUY G., TEILLAC J.
 "Sur le rayonnement de conversion interne du plutonium-239".
 C.R. Acad. Sci. Fr.
 1951, 232, 4, 326-328.
- 441 ALICHANOW A.I.
 "Number of fission neutrons for one captured thermal neutron in ^{233}U , ^{235}U , ^{239}Pu ".
 Peaceful uses of Atom. energy, IV, P/658.
- 442 ALLEN W.D., FERGUSON A.T.G.
 "The fission cross-sections of ^{235}U , ^{233}U , ^{238}U and ^{239}Pu for neutrons in the energy range 0,03 MeV to 3,0 MeV".
 Proc. Phys. Soc. G.B.
 1957, 72, Part 8, 452 A, 573-585.
- 443 ALLEN R.C., WALTON R.B., PERKINS R.B., OLSON R.A., TASCHEK R.F.
 "Interaction of 0,5- and 1,0 MeV neutrons with some heavy elements".
 Phys. Rev. USA.
 1956, 101, 3, 731-735.
- 4444 ALLEN W.D., FERGUSON A.T.G.
 "The fission cross-sections of ^{233}U , ^{235}U , ^{238}U and ^{239}Pu for neutrons in the energy range 0,030 MeV to 3,0 MeV".
 A.E.R.E. NP/GEN/3.
 Harwell, Berks, 1957, January.
- 445 ANDERSON E.E., LAVATELLI L.S., McDANIEL B.D., SUTTON R.B.
 "Measurements on the cross-sections of ^{239}Pu as a function of neutron energy in the range from 0,01 eV to 3,0 eV".
 LA 91.
 Los Alamos Scientific Lab. N. Mex.
- 446 ANDERSON E.E., McDANIEL B.D., SUTTON R.B., LAVATELLI L.S.
 "Absorption and fission cross-sections of ^{239}Pu in the neutron energy range 0,01 eV to 100 eV".
 LA 266.
 Los Alamos Scientific Lab. N. Mex.
- 447 AUCLAIR J.M., HUBERT P., VENDRYES G.
 "Etude des sections efficaces de fission de ^{233}U , ^{235}U et ^{239}Pu pour les neutrons lents".
 J. Nuclear, Energ. G.B.
 1955, 1, 4, 306-310.
- 448 AUCLAIR J.M., BRETON C., HUBERT P., JOLY R., TACHON J.
 "Comparaison des sections efficaces de fission pour les neutrons thermiques de ^{233}U et ^{239}Pu ".
 C.R. Acad. Sci. Fr.
 1955, 240, 24, 13 juin, 2306-2308.

- 449 AUCLAIR J.M., LANDON H.H., JACOB M.
"Etude de la variation du nombre moyen de neutrons produits par la fission de ^{239}Pu .
C.R. Acad. Sci. Fr.
1955, 241, 25 (19 décembre), 1935-1936.
- 450 AUCLAIR J.M., JACOB M., LANDON H.
"Etude de la variation du nombre de neutrons émis par la fission du ^{239}Pu dans les domaines thermique et épi-thermique".
J. Phys. Radium Fr.
1956, 17, 7, 563.
- 451 BERNSTEIN S., LESLIE J.K., MCKINNEY C.R., JACKSON H.K.
"Photoneutrons from ^{233}U and ^{239}Pu fission products in heavy-water".
J. Appl. Phys., 1956, 27, 23-24.
- 452 BLEANEY B., LEWELLYN P.M., HRYCE M.H.L., HALL G.R.
"Paramagnetic resonance in plutonyl rubidium nitrate, and the spin of ^{239}Pu (lettre)".
Philos. Mag. G.B.
1954, 45, 366, 773-774.
- 453 BOLLINGER L.M.
"Cross-sections measurements with the fast neutron velocity selector".
ANL-5609.
Argonne National Laboratory, November 1956, 5-8.
- 454 BOLLINGER L.M., COTE R.E., HUBERT P., LEBLANC J.M., THOMAS G.E.
"Energy dependance of ν for ^{239}Pu (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 4, 165.
- 455 BOLLINGER L.M., COTE R.E., LEBLANC J.M.
"Transmission measurements with the fast neutron velocity selector (^{239}Pu)".
ANL-5497.
Argonne National Laboratory, Lemont, Illinois, May 1956, 12-14.
- 456 BOLLINGER L.M.
"Fission cross-sections of ^{239}Pu ".
ANL-5667.
Argonne Nat. Lab., Lemont, Illinois.
- 457 BRUNTON D.C., THOMPSON W.B.
"The energy distribution of fission fragments from ^{239}Pu (letter)".
Phys. Rev. USA.
1949, 76, 6, 848-849.
- 458 CAVANA P.E.
"Memorandum to the Nuclear Reactor data committee on low-lying levels in ^{233}U , ^{235}U and ^{239}Pu ".
NRDC-10.
Harwell Berks - G.B.

- 459 COHEN R., COTTON E., LEVEQUE A.
"Mesure du rapport des sections efficaces de fission par neutrons
thermiques de ^{239}Pu et de l'uranium naturel",
C.R. Acad. Sci. Fr.
1952, 234, 24, 2355-2357.
- 460 COHAN R., COTTON E., LEVEQUE A.
"Mesure du rapport des sections efficaces de fission par neutrons
thermiques de ^{239}Pu et de l'uranium naturel",
C.R. Acad. Sci. Fr.
1952, 235, 2, 159-161.
- 461 CONJEAUD M., NAGGIAR V.
"Energie des particules α du ^{239}Pu ",
C.R. Acad. Sci. Fr.
1951, 232, 6, 499-500.
- 462 DEUTSCH M., RAMSEY M.
"Mass ratios and energy released in the fission of ^{235}U and ^{239}Pu by
thermal neutrons".
MDDC 945 - IADC 257.
- 463 DEVANEY J., GOLDSTEIN M., FAGAN B.
" ^{239}Pu cross-sections and their temperature dependance",
LA-2127.
Los Alamos Scientific Laboratory., Los Alamos New Mexico.
- 464 EGELSTAFF P.A., MORTON K.W., SANDERS J.E.
"Table of consistent nuclear data for ^{233}U , ^{235}U and ^{239}Pu for
200 M/s neutron".
A.E.R.E. NP/R 2140., Harwell, Berks, 1957.
- 465 EGALSTAFF P.A.
"The Harwell values of the 2 200 M/s neutron data for ^{233}U , ^{235}U and
 ^{239}Pu ".
A.E.R.E. NP/R 2104.
Harwell Berks.
- 466 ENGELKEHEIR D., MAGNUSSON L.B.
"Observation of a 193-millimicrosecond metastable level in ^{239}Pu ".
Phys. Rev. USA.
1955, 99, 1, 135-136.
- 467 BROZOLIMSKY B.G.
"Résultats des mesures du nombre effectif des neutrons secondaires
pour ^{233}U , ^{235}U et ^{239}Pu dans un intervalle d'énergies des neutrons
primaires de 0,2 à 100 eV (en russe)".
Session de l'Académie des Sciences de l'U.R.S.S. pour l'utilisation
de l'énergie atomique à des fins pacifiques",
1-5 juillet 1955, Moscou, 369-370.
- 468 SWAN G.T., KNOWLES J.W., MCKENZIE D.R.
"K-shell internal conversion coefficients of M1 γ rays in ^{239}Pu
(résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 7, série 2, 330.

- 469 FARLEY F.J.M.
"The yield of fission neutrons per neutron absorbed for ^{239}Pu up to 60 eV incident energy".
J. Nuclear Energy 3, 33-44.
- 470 FELD B.T., HOFFMAN F.
"Delayed neutrons from ^{239}Pu ".
MDDC 553 - LADC 263.
- 471 FONG P.
"Calculations relating to the asymmetric fission of ^{239}Pu (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 6, 303.
- 472 GIBBONS J.H., McKLIN R.L., SCHMITT H.W.
"Neutron absorption cross-sections of ^{235}U and ^{239}Pu in the 5 to 50 LeV energy range".
ORNL 1975.
Oak Ridge National Lab. Tenn.
- 473 GIBSON W.M.
"Cross-sections for deuteron-induced reactions of plutonium-239".
UCRL-3157.
Radiation Laboratory, Berkeley, California.
- 474 GIBSON W.M.
"Fission and spallation competition from the intermediate nuclei americium-241 and neptunium-235".
Radiation Laboratory, Berkeley, California.
UCRL-3493.
- 475 GIBSON W.M., GLASS R.A., COBBLE J.W., SEABERG G.T.
"Cross-sections for reactions of ^{239}Pu with deuterons".
UCRL-2932.
Radiation Lab. Univ. of California.
- 476 HAUBENREICH P.N.
"Nuclear constants for ^{239}Pu at 250 °C and 300 °C".
CF-54-2-159.
Oak Ridge National Lab. Tenn.
- 477 HENKEL R.L.
"Summary of neutron-induced fission cross-sections".
LA 2114.
Los Alamos Scient. Lab., Los Alamos, New Mexico.
- 478 DE HOFFMANN F., FELD B.T.
"Neutrons retardés de ^{239}Pu ".
Phys. Rev. USA.
1947, 72, 7, 567-569.
- 479 HOFFMANN F.
"Beta decay and electron capture branching to the levels of ^{239}Pu ".
Phys. Rev. USA.
1957, 105, 5, 1518-1520.

- 480 HOLLANDER J.M., SMITH W.C., MIBELICH J.W.
"Energy levels of ^{239}Pu populated by the beta decay of ^{239}Np ".
Phys. Rev. USA.
1956, 102, 3, 740-746.
- 481 HUGHES D.J., CARTER R.S., SCHWARTZ R.B.
"Cases of U.S. Best values for cross-sections of ^{233}U , ^{235}U and ^{239}Pu ".
TNOC (U.S.) - 17.
- 482 HUIZENGA J.R., ENGELKEMEIR D.W., TOMKINS F.S.
"On the alpha decay of ^{239}Pu (résumé)".
Bull. Amer. Phys. Soc.
1957, 2, 4, 198.
- 483 ISRAEL H.I.
"Soft radiation from ^{239}Pu (lettre)".
Phys. Rev. USA.
1952, 88, 3, 682.
- 484 JONES R.W.
"The preparation of ^{239}Pu and ^{233}U sources by sublimation".
PDB-106.
Chalk River Ontario.
- 485 JONES W.M., STOUT J.W.
"Calorimetric determination of the energy produced by $49(^{239}\text{Pu})$ ".
LA 347.
Los Alamos Scientific Lab. N. Mex.
- 486 KAFALAS P., CROUZEANU, C.E.
"The absolute yield of ^{137}Cs in fast-neutron fission of ^{235}U and ^{239}Pu ".
J. Inorg. Nucl. Chem. G.B.
1957, 4, 5/6, 239-245.
- 487 KALACHNIKOVA V.I., LEBEDEV V.I., MIKHAELIANE L.A., PEVZNER H.I.
"Sur le nombre de neutrons émis par ^{239}Pu lors de la fission par des neutrons thermiques et épithermiques (en russe)".
Atom. Energ. SSSR.
1956, 3, 11-12.
- 488 KALACHNIKOVA V.I., LEBEDEV V.I., SPIVAK P.E.
"Mesures relatives du nombre moyen des neutrons émis lors de la fission de ^{233}U , ^{235}U et ^{239}Pu par des neutrons thermiques et des neutrons de fission (en russe)".
Atom. Energ. SSSR.
1957, 2, 118-21.
- 489 KANNE W.R., STEWART H.B., WHITE F.A.
"Capture to fission ratio of ^{239}Pu and ^{235}U for intermediate energy neutrons".
Conférence de Genève 8/P/595.
- 490 KATKOV V.P., NIKOLSKI Yu.V., STOLIAROV G.A.
"Détermination du rapport des sections efficaces moyennes de fission de ^{239}Pu et ^{235}U dans les blocs des réseaux uranium-Ceu (en russe)".
Atom. Energ. SSSR.
1956, 3, 61-64.

- 491 KATZ L., McNEILL K.G., LEBLANC M., BROWN F.
"Photoneutron emission from ^{232}Th , ^{233}U , ^{238}U and ^{239}Pu ".
Canad. J. Phys.
1957, 35, 4, 470-476.
- 492 KENNEDY J.W., SEABORG G.T., SEGRE E., WAHL A.C.
"Propriétés du ^{233}U ".
Phys. Rev., 94
1946, 70, 7, 8, 555-556.
- 493 KENNETT T.J., THODE H.G.
"Mass spectrometrically determined independent yields of ^{128}I , ^{130}I ,
 ^{80}Br and ^{82}Br for ^{233}U , ^{235}U and ^{239}Pu fission".
Phys. Rev., 1956, 103, 323-327.
- 494 KIRPITCHNIKOV I.V., KOROKOV V.V., SOUKHOROUTCHKINE S.I.
"Mesure du nombre effectif des neutrons secondaires pour ^{239}Pu dans
la région d'énergie des neutrons primaires de 7 jusqu'à 30 eV (en russe)".
Atom. Energ. SSSR.
1957, 2, 3, 247-252.
- 495 KOMISSAROV L.V., TARABANKO V.A.
"Détermination du coefficient relatif de régénération de ^{239}Pu dans
des réseaux à uranium naturel et eau (en russe)".
Atom. Energ. SSSR.
1956, 3, 56-60.
- 496 KOROSTILEVA L.A., STRIGANOV A.R., LACHINE N.M.
"Structure ultra-fine des raies spectrales et spins des noyaux de
 ^{233}U et ^{239}Pu (en russe)".
Zh. eks. teor. Fiz. SSSR.
1955, 28, 4, 471-479.
- 497 KPIJANSKII L.N., MALII Ia., LAURINE A.N., PREOBRAJENSKII B.K.
"Rendements en isotopes des terres rares lors de la fission de ^{239}Pu
par les neutrons de la pile (en russe)".
Atom. Energ. SSSR.
1957, 2, 3, 276-277.
- 498 LEACHMAN R.B.
"Velocities of fragments from fission of ^{233}U , ^{235}U and ^{239}Pu ".
Phys. Rev. USA.
1952, 87, 3, 444-447.
- 499 LEIPOUNSKII O.I., SAKHAROV V.N., TERETCHENKO V.I.
"Rayonnement γ à période brève des produits de fission de ^{235}U et ^{239}Pu
(en russe)".
Atom. Energ. SSSR.
1957, 2, 3, 278-279.
- 500 LEONARD B.R., Jr.
"Preliminary results of the ratio of ^{239}Pu fission cross-sections to
 ^{235}U fission cross-sections".
HW 27 214.
Hanford Works Richland Wash.

- 501 LEONARD B.R., SEPPI E.J., FRIESEN W.J.
"The relative variation in n for ^{239}Pu with incident neutron energy".
HW-44525.
Hanford Atomic Products Operation Richland, Washington,
July 25, 1956, 47-54.
- 502 LEONARD B.R., SEPPI E.J., FRIESEN W.J., REGIMBAL J.J.
"Theoretical analysis of the ^{239}Pu fission cross-sections".
HW-44525.
Hanford Atomic Products Operation Richland, Washington,
July 25, 1956, 55-58.
- 503 LEVEQUE A., COHEN R., COTTON E.
"Mesure du rapport des sections efficaces de fission par neutrons
thermiques de ^{239}Pu et de l'uranium naturel".
J. Phys. Radium Fr.
1954, 15, 2, 101-108.
- 504 MACKLIN R.L., SCHMITT H.W., GIBBONS J.H.
"Neutron absorption cross-sections of ^{235}U and ^{239}Pu in the 5- to
50 keV energy range".
ORNL-1975.
Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- 505 MACKLIN R.L., SCHMITT H.W., GIBBONS J.H.
"Neutron absorption by fissionable materials in the 5- to 50 keV
energy range (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 1, série 2, 62.
- 506 MACKLIN R.L., SCHMITT H.W., GIBBONS J.H.
"Neutron absorption cross-sections of ^{235}U and ^{239}Pu in the 5- to
50 keV energy range".
Phys. Rev. USA.
1956, 102, 3, 797-799.
- 507 McMILLAN D.E., JONES H.E., SAMPSON J.B., GAERTNER E.R., SNYDER T.M.
"A measurement of ETA and other fission parameters for
 ^{233}U , ^{239}Pu and ^{241}Pu , relative to ^{235}U , at sub-cadmium energies".
KAPL-1464.
Knolls Atomic Power Laboratory, Schenectady New York.
- 508 MIHELICH J.W.
"Energy levels of plutonium-239 populated by the beta decay of
neptunium-239".
UCRL-3157.
Radiation Laboratory, Berkeley, California.
- 509 NERESON N.
"Fission neutron spectrum of ^{239}Pu ".
Phys. Rev. USA.
1952, 88, 4, 823-824.
- 510 NEWTON J.O.
"The coulomb excitation of ^{235}U , ^{239}Pu and ^{238}U ".
Nuclear. Phys. P-B.
1957, 2, 3, 345-363.

- 511 NEWTON J.O.
"The Coulomb excitation of heavy nuclei (résumé)".
Physica P-B.
1956, 22, 11, 1129.
- 512 NIKHITINE C.Ia., GALANINA N.D., IGNATIEV K.G., OKROKOV V.V.,
SOUKHROUTCHKINE S.I.
"Mesure de la section efficace totale des neutrons pour les
isotopes uranium-233, uranium-235 et plutonium-239 par la
méthode du temps de vol".
Conférence de Genève 8/P/646.
- 513 NOVIKOVA G.I., KOUDRATIEV L.N., SOBOLEV Y.P., GOLDINE L.L.
"Désintégration α du ^{239}Pu (en russe)".
Zh. Eksp. Teoretichesk. Fiz. SSSR.
1957, 32, 5, 1018-1021.
- 514 PALEVSKY H.
"Measurement of capture to fission ratio of ^{235}U , ^{233}U and ^{239}Pu
by a New method".
Conférence de Genève 8/P/587.
- 515 PALEVSKY H., HUGHES D.J., ZIMMERMAN R.L., EISBERG R.M.
"Direct measurement of the energy variation of η for ^{233}U , ^{235}U and ^{239}Pu ".
J. Nuclear Energy, Oct. 1956, 3; 177-187.
- 516 PETIT G.Y.
"Corrélation angulaire $\alpha - \chi$ dans le ^{239}Pu ".
C.R. Acad. Sci., 245, 22, 1916-1918.
- 517 SANDERS J.E., KENWARD C.J.
"The energy dependents of the number of neutrons per plutonium-239
fission in the thermal region".
J. Nuclear Energy, 1956, 3, 70-71.
- 518 SEPPI E.J., LEONARD B.R., Jr., FRIESEN W.J.
"Variation of η for ^{239}Pu with slow neutron energy (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 5, 249.
- 519 SMITH R.K., HENKEL R.L., NOBLES R.A.
"Neutron-induced fission cross-section for ^{233}U , ^{235}U , ^{238}U and
 ^{239}Pu from 2 to 10 MeV (résumé)".
Bull. Amer. Phys. Soc.
1957, 2, 4, 196-197.
- 520 SOKOLOVSKII V.V., VLADINIVISKII V.V., RADKEVITCH I.A., PANGV A.A.
"Mesure des sections efficaces totales de ^{233}U , ^{235}U , ^{239}Pu ainsi
que de la section efficace de fission de ^{235}U pour les neutrons de
résonance (en russe)".
Atom. Energ. SSSR.
1957, 2, 2, 129-139.
- 521 SPIVAK P.E., ERCZOLINSKY B.G., DOROFEEV G.A., LAVRENTCHIK V.N.,
KOUTIKOV I.E., DOBRININE Iu. P.
"Détermination du nombre moyen des neutrons ν émis au cours d'un
acte de la capture pour les isotopes ^{233}U , ^{235}U et ^{239}Pu dans le
domaine épithermique des énergies des neutrons (en russe)".
Atom. Energ. SSSR.
1956, 3, 13-20.

- 522 SPIVAK P.E., EROZOLINSKY B.G., DOROFEEV G.A., LAVRENTCHIK V.M.
KOUTIKOV I.E., DOBRININE Iu.P.
"Nombre moyen de neutrons ν_{eff} émis par les isotopes ^{233}U , ^{235}U et ^{239}Pu lors de la capture de neutrons d'énergie comprise entre 30 et 900 keV (en russe)".
Atom. Energ. SSSR.
1956, 3, 21-26.
- 523 STOUT J.W., JONES W.M.
"A calorimetric determination of the energy produced by ^{239}Pu (α)".
Phys. Rev. 1947, 71 - 582.
- 524 STUART G.W.
"The fission cross-sections σ_f factor of ^{239}Pu ".
HW-34-162.
Hanford Works Richland Wash.
- 525 SZTEINSZNAIDER D., NAGGIAR V., NETTER F.
"Etude de la variation avec l'énergie des sections efficaces de fission de ^{233}U , ^{235}U , ^{239}Pu pour les neutrons rapides".
Annexe au rapport C.E.A. N° 405.
Rapport C.E.A. N° 519. - 1956, 7-15.
- 526 TASCHEK R.F., WILLIAMS J.H.
"Measurements on $\sigma_f(^{239}\text{Pu}) / \sigma_f(^{235}\text{U})$ and value of $\sigma_f(^{239}\text{Pu})$ as a function of neutron energy".
LA-28.
Los Alamos Scientific Lab. N. Mex.
- 527 VAN DEN BERG H., KLINKENBERG P.F.A., REGNAUT P.
"Nuclear spin of ^{239}Pu (lettre)".
Physica P.B. ⁹⁴
1954, 20, 1, 37-38.
- 528 VENDRYES G., HUBERT P., AUCLAIR J.H.
"Etude de la variation de section efficace de fission de ^{239}Pu dans le domaine thermique et épithermique (note)".
C.R. Acad. Sci. Fr.
1954, 239, 17, 1034-1036.
- 529 WAHL J.S.
"Energy distributions of fragments from fission of ^{235}U , ^{238}U and ^{239}Pu by fast neutrons".
Phys. Rev. USA.
1954, 95, 1, 126-132.
- 530 WEST D., DAWSON J.K.
"Soft radiations from ^{239}Pu (letter)".
Proc. phys. Soc. G.B.
1951, 64, Part 6, 378A, 586-587.
- 531 WEST D., DAWSON J.K., MANDLEBERG C.J.
"The investigation of soft radiations from ^{239}Pu and ^{233}J with a proportional counter".
Philos. Mag. G.B.
1952, 43, 343, 875-888.

- 532 WILES D.M., PETRUSKA J.A., TOMLINSON R.H.
"Some cumulative yields of isotopes formed in the thermal neutron fission of ^{239}Pu ".
Canad. J. Chem.
1956, 34, 3, 227-232.
- 533 WILSON R.R.
"Delayed neutrons from ^{239}Pu ".
MDDC 559 - LADC 267.
- 534 WILSON R.R., SUTTON R.B.
"Delayed neutrons from ^{239}Pu ".
LA 76
Los Alamos Scientific Lab. N. Mex.
- 5) ^{240}Pu à ^{246}Pu
- 535 BARCLAY F.R. et al.
"Spontaneous fission rate of ^{240}Pu ".
Proc. Phys. Soc. 1954, A.67, 646-648.
- 536 BARCLAY F., GALBRAITH W., GLOVER K.M., HALL G.R., WHITEHOUSE W.J.
"Further experiments on the spontaneous fission rate of ^{240}Pu ".
A.E.R.E. - N/R 1109.
A.E.R.E. Harwell Berks, G.B.
- 537 BEELEY R.J., RODERICK C.
"Estimate of the pile cross-sections of ^{240}Pu ".
NAA-SR-845.
North American Aviation; Inc. Downey, California.
- 538 BLEANEY B., LLEWELLYN P.M., RYCE M.H.L.
"Nuclear spin of ^{241}Pu (lettre)".
Phil. Mag. G.B.
1954, 45, 368, 991-992.
- 539 BOLLINGER L.H.
"Cross sections of ^{245}Pu , ^{245}Am , ^{245}Cm ".
Argonne Nat. Lab. Lemont, Illinois.
- 540 FROWE C.I., et al.
"The decay chain ^{245}Pu , ^{245}Am , ^{245}Cm ".
J. Inorg. and Nuclear Chem.
1956, 1, 254-261.
- 541 BUTLER J.P., LOUNSBURY M., HERRITT J.S.
"The preparation and properties of ^{242}Pu ".
Canad. J. Chem.
1956, 34, 3, 253-258.
- 542 CHAMBERLAIN O., FARWELL G.W., SEGRE E.
" ^{240}Pu and its spontaneous fission".
Phys. Rev., 1954, 94, 156.

- 543 CHEETHAM-STRODE A., Jr.
"Radiochemical studies on the isotope plutonium-241".
HW-28711.
Hanford Atomic Products Operation, Richland, Washington.
- 544 CHLLAGUINE K.N.
"Spectre- β du plutonium-241 (en russe)".
Izvestia Akad. Nauk SSSR.
1956, 20, 8, 891-895.
- 545 DESAUSSURE G., SILVER E.G.
"Number of neutrons released per thermal fission of ^{241}Pu ".
ORNL-2081.
Oak Ridge, Tennessee.
- 546 DIAMOND H., BARNES R.F.
"Alpha half-life of ^{244}Pu ".
Phys. Rev. USA.
1956, 101, 3, 1064-1066.
- 547 DIAMOND H., BARNES R.F.
"Production of ^{246}Pu in the MTR".
ANL-5361.
Argonne National Laboratory, Lemont, ILLINOIS.
- 548 ENGELKEMEIR D. et al.
"The new isotopes ^{246}Pu and ^{246}Am ".
J. Inorg. Nuclear Chem.
1957, 1, 345-351.
- 549 ENGELKEMEIR D.W., FIELDS P.R., HUIZENGA J.R.
"Radiations of ^{243}Pu ".
Phys. Rev. USA.
1953, 90, 1, 6-10.
- 550 FIELDS P.R. et al.
"Electron capture decay of ^{244}Am and the spontaneous fission half-life of ^{244}Pu ".
Phys. Rev., 1955, 100, 172-173.
- 551 FIELDS P.R., STUDIER M.H., FRIEDMAN A.M., DIAMOND H.,
SIOBLOM R., SELLERS P.A.
"Production of ^{245}Pu and ^{245}Am by neutron irradiation of ^{244}Pu ".
J. Inorg. nuclear Chem. G.B., 1955, 1, 4/5 262-266.
- 552 GALBRAITH W., GLOVER K.M., HALL G.R., WHITEHOUSE W.J.
"A spontaneous fission rate of ^{240}Pu ".
A.E.R.E. - N/R 814.
A.E.R.E. Harwell Berks - G.B.
- 553 GIFT M.W.
"The alpha half-life of the isotope ^{241}Pu ".
HW 34 431.
Hanford Atomic products operation Richland Wash.
- 554 GOLDIN L.L., NOVIKOVA E.I., TRET'YAKOV E.F.
"Highly excited rotational states of some nuclei. Intensity of decay to rotational excited levels".
Phys. Rev. USA.
1956, 103, 4, 1004-1008.

- 555 HAMEL J.E., KEFHART J.F.
"Distribution of the number of prompt neutrons from the spontaneous fission of ^{240}Pu ".
Phys. Rev., 1955, 100, 190-192.
- 556 HOFFMAN D.C., BROWNE C.I.
"Radiations of plutonium-246".
J. Inorg. nuclear Chem. G.B.
1956, 2, 4, 209-218.
- 557 HULET E.K., BOWMAN H.R., MICHEL M.C., HOFF R.W.
"Thermal-neutron fission cross-sections of ^{240}Pu ".
Phys. Rev. USA.
1956, 102, 6, 1621.
- 558 HUMMEL J.P.
"Alpha particle spectroscopy. Astatine-209, Thorium-230, Protactinium-231, Plutonium-242".
UCRL-3157.
Radiation Laboratory, Berkeley, California.
- 559 INGHAM M.G., HESS D.C., FIELDS P.R., PYLE G.L.
"Half-life of plutonium-240 by determination of its uranium-236 daughter".
Phys. Rev. USA.
1951, 83, 6, 1250.
- 560 JAFFEY A.H., HIBDON C.T., SJOBLON R.
"Thermal neutron σ for ^{241}Pu ".
ANL-5396.
Argonne National Lab. Lemont Ill.
- 561 JAFFEY A.H., STUDIER M.H., FIELDS P.R., BENTLEY W.C.
"Thermal neutron fission cross-section of ^{241}Pu ".
ANL-5397.
Argonne National Laboratory Lemont Ill.
- 562 JURNEY E.T.
"A measurement of the average fission cross-sections of ^{240}Pu and ^{241}Pu in the fast reactor neutron spectrum".
LA-1201.
Los Alamos Scientific Laboratory. Los Alamos, New Mexico.
- 563 KINDERMAN E.H.
"Spontaneous fission of ^{240}Pu ".
HW-2766.
Hanford works. Richland Wash.
- 564 KROUPCHITZKII P.A.
"Section efficace d'absorption des neutrons thermiques et intégrale de résonance de l'absorption de ^{240}Pu (en russe)".
Atom. Energ. SSSR.
1957, 2, 3, 240-246.
- 565 LEONARD B.R., Jr., SEPPI E.J., FRIESEN W.J., KINDERMAN E.H.
"Slow neutron fission cross-section of ^{240}Pu (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 5, 248-249.

- 566 LEONARD B.R., SEPPI E.J., FRIESEN W.J.
"Slow neutron fission cross-section of ^{240}Pu ".
HW-47012.
Hanford Atomic Products Operation Richland, Washington!
- 567 LUOMA E.V.
"Cross-sections for deuteron-induced reactions of plutonium-240".
UCRL-3157.
Radiation Laboratory, Berkeley California.
- 568 LUOMA E.V., GLASS R.A., SEABORG G.T.
"Cross-sections for deuteron-induced reactions of ^{240}Pu ".
UCRL-3157.
Radiation Lab. Univ. of California Berkeley Calif.
- 569 MCKENZIE D.R., LOUNSBURY H., BOYD A.W.
"The β - half-life of ^{241}Pu (lettre)".
Phys. Rev. USA.
1953, 90, 2, 327-328.
- 570 MECH J.F., DIAMOND H., STUIVER M.H., FIELDS P.R.
"Alpha and spontaneous fission half-lives of plutonium-242".
Phys. Rev. USA.
1956, 103, 2, 340-341.
- 571 MECH J., PYLE G.
"The half-life of ^{241}Pu ".
ANL 4926.
Argonne National Lab. Lemont Ill.
- 572 MILSTED J., ROSE B.
"A measurement of the half-life of ^{241}Pu ".
J. Nuc. Energ. USA.
1956, 2, 4, 264-276.
- 573 ROSE B., MILSTED J.
"A measurement of the half-life of ^{241}Pu ".
J. Nuclear Energy, 1956, 2, 264-276.
- 574 SEPPI E.J., FRIESEN W.J., LEONARD B.R.
"The slow neutron fission cross-section of ^{240}Pu ".
HW-44525.
Hanford Atomic Products Operation, Richland, Washington.
- 575 SMITH A.B., FIELDS P.R., FRIEDMAN A.M.
"Fission modes of the even-even isotopes ^{244}Cm and ^{242}Pu (résumé)".
Bull. Amer. Phys. Soc.
1956, 1, 6, 281.
- 576 SMITH A.B., FIELDS P.R., FRIEDMAN A.M.
"Fission modes of ^{242}Pu ".
Phys. Rev. USA. 94
1957, 106, 4, 779-781.
- 577 STOUGHTON R.W., HALPERIN J.
"on the effective capture cross-section of ^{240}Pu for reactor neutrons".
Nuclear Sc. Engng. USA.
1957, 2, 4, 481-487.

- 578 STUDIER M.H., FIELDS P.R., SELLERS P.H., FRIEDMAN A.M.
 STEVENS C.M., MECH J.F., DIAMOND H., SEDLET J., HUIZENGA J.R.
 "Plutonium-244 from pile-irradiated plutonium (lettre)".
 Phys. Rev. USA.
 1954, 93, 6, 1433.
- 579 SULLIVAN J.C., FYLE G.L., STUDIER M.H., FIELDS P.R., MANNING W.M.
 "Properties of plutonium-243 (letter)".
 Phys. Rev. USA.
 1951, 83, 6, 1267-1268.
- 580 THOMPSON S.G., STREET K., Jr., GHIORSO A., REYNOLDS F.L.
 "The new isotope ^{242}Pu , and additional information on other
 plutonium isotopes".
 AECD 2993.
- 581 THOMPSON S.G., STREET K., GHIORSO A., REYNOLDS F.L.
 "Properties of the isotope ^{243}Pu (letter)".
 Phys. Rev. USA.
 1951, 84, 1, 165-166.
- 582 WESTCOTT C.H.
 "Comments on the significance of the measurements on ^{240}Pu by
 F.W. Carmish and M. Lounsbury".
 TNCC (Can) - 4.
 Atomic Energy of Canada Ltd.
- 583 WESTRUM E.F., Jr.
 "The specific alpha-radioactivity of ^{240}Pu ".
 Phys. Rev. USA.
 1951, 83, 6, 1249-1250.

V. - PROPRIETES CHIMIQUES

- 584 "C... engineering division summary report (for) January, February and March 1956".
ANL-5560.
Argonne National Lab., Lemont III.
- 585 "Chemical research chemistry of 94 (Pu) report for month ending June 1943".
CN-727.
Chicago Univ. Metallurgical Lab.
- 586 "Chemical research : chemistry of 94 (Pu) - report for ending July 1943".
CH-795.
Ames Lab. Iowa.
- 587 "Chemical research - chemistry of plutonium report for month ending November 8, 1943".
CN-1060.
Ames Lab. Ames, Iowa.
- 588 "Final report (on) problem assignment N° 203 x 27 C Oxalate as a reducing agent (reduction of Pu)".
CN-1412.
Clinton Lab. Oak Ridge, Tenn.
- 589 "Chemical research - basic chemistry of plutonium report for month June 1, 1944".
CN-1702.
Chicago, Univ. Metallurgical Lab.
- 590 "Redox group monthly report for October 1948".
KAPL-M-Redox-2.
Knolls Atomic Power Lab., Schenectady, N.Y.
- 591 "Chemistry division quarterly report (1952)".
UCRL-2069.
Calif. Univ. Berkeley. Radia. Lab.
- 592 ANONYME
"Properties of plutonium (résumé)".
Engng. G.B.
1956, 182, 4725, 412.
- 593 ANONYME.
"The chemistry of plutonium and americium".
Atomic Sci. News USA.
1952, 1, 6, 280.
- 594 BADCZ.
"Potentiels d'oxydo-réduction des systèmes de l'uranium et des transuraniens (bibliographie d'après Chem. Abstr. arrêtée en décembre 1952)".
Note C.E.A. N° 88.
1955 janvier.

- 595 BAKER F.B., HAWTON T.W.
"The effect of D_2O on the rate of the reaction between oxygen and Pu (III) (note)".
J. Phys. Chem. USA.
1957, 61, 3, 381-382.
- 596 BETT R.H.
"Electrochemistry of some Actinide elements".
Proc. Conf. Nuclear Chem.
Chem. Inst. Canad. (Ottawa) 1947, 68-76.
- 597 BRUCE F.R., FLETCHER J.M., HYMAN H.H., KATZ J.J.
"Progress in nuclear energy Serie III. Process chemistry 1956".
Pergamon Press Ltd London.
- 598 CONNICK R.E.
"The reduction of Pu(VI) by nitrous acid".
BC-71.
California. Univ. Berkeley. Radiation Lab.
- 599 CONNICK R.E., McVEY W.H.
"Oxidation potentials of the Pu(III)-Pu(IV) and Fe(II)-Fe(III) couples in perchloric acid solution - Heat content and entropy changes".
J. Amer. chem. Soc.
1951, 73, 4, 1798-1804.
- 600 CONNICK R.E., McVEY W.H.
"Oxidation potential of the Pu(III)-Pu(IV) couple in perchloric and hydrochloric acid (letter)".
J. Amer. chem. Soc.
1952, 74, 5, 1341.
- 601 CONNICK R.E., McVEY W.H.
"Oxidation potential of the Pu(III)-Pu(IV) couple in perchloric acid solution—heat content and entropy change".
AECD-2455.
- 602 CONNICK R.E., REAS W.H.
"The activity coeff. of Pu(IV) salts in acidic solutions".
UCRL-226.
Calif. Univ. Berkeley Radiat. Lab.
- 603 CROCKER H.I.
"Oxidation of Pu(IV) to Pu(VI) in solutions of nitric acid, Al nitrate Na nitrate, and UO_2 nitrate".
CRDC-687.
At. En. Can. Limited. Chalk River Ontario.
- 604 ENGLISH S.G.
"Seminonthly report and manpower distribution for period December 1, 1944".
Dec 15, 1944".
OR-P-368.
Clinton Labs., Oak Ridge Tenn.

- 605 FONTANA B.J.
"The distribution of plutonium tracer between metals and their molten halides. VI. Distribution of plutonium and uranium tracers in the magnesium metal-halide system".
CK-1529.
Chicago. Univ. Metallurgical Lab.
- 606 FONTANA B.J.
"The distribution of plutonium tracer between metals and their molten halides. VII. Distribution of plutonium tracer in the strontium-strontium bromide and the barium-barium bromide systems".
CK-1712.
California. Univ. Berkeley. Radiation Lab.
- 607 FONTANA B.J.
"The distribution of plutonium tracer between metals and their molten halides. VIII. Distribution of plutonium tracer in the cerium-cerium bromide system".
CK-1803.
California. Univ., Berkeley. Radiation Lab.
- 608 GARRETT A.B.
"The chemistry of the elements 93-94-95 et 96".
Ohio J. Sci. 1947, 47, 103-106.
- 609 GILE H.S.
"The application of some ion exchange theories to the adsorption of trace elements".
HW-32461-TH.
Hanf. At. Prod. Cp. Richland Wash.
- 610 GLAINVILLE D.E., GRANT D.W., STRACHAN G.L.
"Apparatus for the preparation, analysis and investigation of Pa solution".
A.E.R.E. C/R 2188.
At. En. Research. Est. Harwell.
- 611 GILBREATH J.R., SIMPSON C.C.
"Chemistry division, section C-II summary report for July, August and September 1952".
ANL-5000 (Del).
Argonne National Lab. Lemont Ill.
- 612 GLASS R.A.
"Studies in the nuclear chemistry of plutonium, americium and curium and the masses of the heaviest elements (thesis)".
UCRL-2560.
Oak Ridge Tennessee.
- 613 JOHNSON W.C.
"Chemistry division semi-monthly report for the period ending August 15, 1944".
CN-1884.
Clinton Labs. Oak Ridge Tenn.

- 614 GRANT D.W., GLANVILLE D.E.
"The hydrolytic behaviour of Pu ions in sulphuric".
A.E.R.E. C/R 2155.
At. En. Res. Establ. Harwell.
- 615 HARVEY B.G.
"The Actinide elements and the chemistry of Pu".
Nucleonics 1948, 2, 4, 30-40.
- 616 KIRK P.L., RODDEN C.J.
"Transuranic elements ; analytical chemistry".
TID-5002.
Manhattan District, Oak Ridge, Tenn.
- 617 KC R.
"Electrodeposition of the actinide elements".
HW-41025.
Hanf. At. Prod. (operat. Richland Wash.
- 618 KC R.
"Electrolytic oxidation of plutonium".
Analyt. Chem. USA.
1956, 28, 2, 274.
- 619 EC R.
"The electrodeposition of plutonium from acid solution".
HW-32673.
Hanford Atomic Products Operation, Richland, Wash.
- 620 KRAUS K.A.
"Studies on polymeric Pu(IV) ; depolymerization of polymeric Pu(IV)
solutions in nitric acid".
CN-3399.
Clinton Labs., Oak Ridge, Tenn.
- 621 KRAUS K.A., NELSON F.
"The Hydrolytic Behavior of Uranium and the Transuranic Elements.
Part I. The +5 and +6 Oxidation States".
AECD-1864.
Oak Ridge National Laboratory.
- 622 KRAUS K.A., NELSON F.
"The Hydrolytic Behavior of Uranium and the Transuranic Elements ;
Part II. The +3 and +4 Oxidation States".
AECD-1888.
Oak Ridge National Laboratory.
- 623 KRAUS K.A.
"Hydrolytic behavior of the heavy elements".
Conférence de Genève 8/P/731.
- 624 KRAUS K.A., NELSON F.N., JOHNSON G.L.
"Chemistry of aqueous U(V) solutions (Analogy among U(V), Np(V),
Pu(V))".
J. An. Chemical Soc. 1949, 71, 2513-2517.

- 625 LISTER B.A.J., JENKINS I.L., KEEN N.J.
"The determination of free acidity in Pu solutions".
A.E.R.E. C/H 165.
At. En. Res. Est. Harwell.
- 626 MARTIN F.S., BEDFORD F., GILIAS G.
"The ozone pretreatment for Rutherfordium in the Pu stream".
A.E.R.E. C/H 16.
At. En. Res. Est. Harwell Berks.
- 627 MARTIN F.S., HOOPER E.W.
"The distribution of plutonium and fission products between molten uranium and molten uranium trifluoride-barium halide mixtures".
A.E.R.E. C/R 2083.
Harwell, Berks.
- 628 MARTIN F.S., HILES G.L.
"The processing of irradiated U by high temperature oxidation reactions".
Progress in nuclear energy Pergamon press.
1956, 1, III p. 329-341.
- 629 MAXWELL E.S.
"Some Observations on the Basic Chemistry of Plutonium".
AEC-2134..
- 630 MILLER H.W., BROUNS R.J.
"The oxidation of Pu to the plutonyl state".
HW-17266.
Hanf. Works. Richland Wash.
- 631 MILLER H.W., BROUNS R.J.
"Quantitative electrodeposition of plutonium".
Anal. Chem. USA.
1952, 24, 3, 536-538.
- 632 MILLER H.W., BROUNS R.J.
"The preparation of thin films of plutonium by electrodeposition".
HW-17265.
Hanford Works, Richland, Wash.
- 633 MCCRE F.L., SMITH G.W.
"Electrodeposition of plutonium".
Nucleonics USA.
1955, 13, 4, 66-68.
- 634 RABIDEAU S.W., LEMONS J.F.
"The potential of the Pu(III)-Pu(IV) couple and the equilibrium constants for some complexes of Pu(IV)".
J. Amer. Chem. Soc.
1951, 73, 6, 2895-2899.
- 635 RABIDEAU S.W., COWAN H.D.
"Chloride complexing and disproportionation of Pu(IV) in hydrochloric acid".
J. Amer. Chem. Soc.
1955, 77, 23, 6145-6148.

- 636 RABIDEAU S.W.
"Equilibria and reaction rates in the disproportionation of Pu(IV)".
AECD-3433.
- 637 RABIDEAU S.W.
"The hydrolysis of plutonium (IV)".
J. Amer. Chem. Soc.
1957, 79, 14, 3675-3677.
- 638 RABIDEAU S.W.
"Thermodynamic functions and formal potentials of the plutonium (V)-
(VI) couple".
J. Amer. Chem. Soc.
1956, 78, 12, 2705-2707.
- 639 RABIDEAU S.W., LEMONS J.P.
"The potential of the Pu(III) Pu(IV) couple and the equilibrium
constants for some complex ions".
AECD-2903.
J. Amer. Chem. Soc.
1951, 73, 6, 2895-9.
- 640 REYNOLDS S.A.
"Special radioisotope methods. Section II".
CF-48-10-219.
Oak Ridge National Lab. Tenn.
- 641 RYDBERG J.
"The reduction of plutonium by tetravalent uranium (lettre)".
Acta. Chem. Scand.
1957, 11, 1, 201-202.
- 642 RYDBERG J.
"The reduction of plutonium by tetravalent uranium".
J. Inorg. Nucl. Chem. G.B.
1957, 5, 1, 79-86.
- 643 SCHUBERT J.
"Studies in ion exchange adsorption ; equilibria with Pu(IV), fission
and other cations".
CN-1873.
Clinton Labs., Oak Ridge, Tenn.
- 644 SCHUBERT J., REVINSON D.
"Studies on Pu(IV) solutions in the presence and absence of citric
acid".
CH-3578.
Chicago. Univ. Metallurgical Lab.
- 645 SCHUYLER G.H.
"The application of some ion exchange theories to the adsorption of
trace elements".
HW-32461-TH.
Hanford Atomic Products Operation, Richland, Wash.
- 646 SEABORG G.T.
"The chemical properties of elements 94 and 93".
J. Am. Chem. Soc. 1948, 70, 1128-1134.

- 647 SMITH C.S.
"Properties of plutonium metal (lettre)".
Phys. Rev. USA.
1954, 94, 4, 1068-1069.
- 648 SOBGER M.
"Uranium-235 et plutonium".
Nature Fr., 1957, 3263.
- 649 SPENCE R.
"Edinburgh section. Chemical research at Harwell"
Chem. Ind. G.B.
1954, 50, 1532.
- 650 STEWART W.A., BUCHANAN J.R., Jr., LUEDERS R.E., REYNOLDS A.B.
"A parameter study of the K-49 reactor blanket".
K-1173.
Massachusetts Inst. of Tech. Oak Ridge, Tenn.
Engineering Practice School.
- 651 WEBSTER R.A., FONTANA B.J.
"The distribution of plutonium tracer between metals and their molten halides. I. The uranium-uranium bromide system. II. The lead - lead chloride system".
CK-942.
California. Univ. Berkeley, Radiation Lab.
- 652 WEBSTER R.A. e - al.
"The distribution of plutonium tracer between metals and their molten halides".
CK- 1359.
California. Univ., Berkeley, Radiation Lab.
- 653 WHITE A.G.
"The preparation of plutonium amalgam and its reaction with dilute hydrochloric acid".
A.E.R.E. C/R 1468.
Harwell, Berks, 1954.
- 654 WHITE A.W.
"Notes on the potential of plutonium amalgam electrodes".
A.E.R.E. C/R 2699.
Harwell, Berks, 1956.
- 655 WYLIE A.W.
"Some aspects of the chemistry of the heavy elements".
Roy. Australian. Chem. Inst. J. Proc.
1950, déc., 446-461.

VI. - METALLURGIE - ALLIAGES

- 656 "Metallurgy division quarterly report (for) January, February, and March 1955".
ANL-5439 (Del.).
Argonne National Lab. Lemont III.
- 657 "Metallurgy division quarterly report (for) July, August and September 1955".
ANL-5489.
Argonne National Lab., Lemont III.
- 658 "Metallurgy division quarterly report (for) October, November, and December 1955".
ANL-5541.
Arg. Nation. Lab., Lemont III.
- 659 ANONYME.
"Diagrammes d'état de quelques systèmes à base de plutonium (en russe)".
Metalov. i Obrabot. Metal SSSR.
1956, 5, 52-54.
- 660 ANONYME.
"Act. écoutes de l'actualité atomique : plutonium métallique".
Atomes Fr.
1956, 124, 230.
- 661 ANDERSON J.W., THOMAS R.L.
"A high-vacuum casting furnace for plutonium".
LA-1508.
Los Alamos Scientific. Lab., N. Mex.
- 662 ANSELIN F., FAUGERAS P., GRISON E.
"Préparation de plutonium métallique à l'échelle du gramme".
C.R. Acad. Sci. Fr.
1956, 242, 16 (16 avril) 1996-1998.
- 663 BAGLEY K.Q.
"Plutonium and its alloys".
Nuclear Engineering.
1956, 2, 20, 461-468.
- 664 BAUMBACH H.L., et al.
"Technical and experimental aspects of metal production on the microgram and milligram scale".
CT-3899.
Chicago. Univ. Metallurgical Lab.
- 665 BERGSTRESSER K.S.
"Determination of titanium in plutonium-titanium alloys".
Analyt. Chem. USA.
1957, 29, 4, part 1, 532-534.

- 666 BERGSTRESSER K.S.
"Determination of Cd in Pu-Cd solution".
LA-1314.
Los Alamos Sci. Lab. N. Mex.
- 667 BERGSTRESSER K.S.
"Determination of Bi in Pu-Bi solutions".
LA-1315.
Los Alamos Sci. Lab. N. Mex.
- 668 BRICKER C.R., WATERBLOOY G.R.
"Separation and determination of microgram quantities of Zr
(in Pu alloys)".
Analyt. Chem.
1957 (April) 29, 558-562.
- 669 COFFINBERRY A.S., WALDRON M.B.
"A Review of the physical metallurgy of Pu".
Progress in nuclear Energy 1(V).
1956, 35C-41C.
- 670 COFFINBERRY A.S., ELLINGER F.H.
"The intermetallic compounds of plutonium".
Conférence de Genève 8/F/826.
- 671 COOPER C.V., GREENINGER A.B., MAGEL T.T.
"Metallurgy of 94 metal".
CK-1130.
Chicago Univ. Metallurgical Lab.
- 672 ELLIOTT R.O., TATE R.E.
"A determination of the coefficient of thermal expansion of
alpha plutonium".
LA-1397 (Del.).
Los Alamos Scientific Lab., N. Mex.
- 673 FRESHBEEY H.D.
"Plutonium-Aluminium fuel element development".
HW-52457.
Les Eléments Combustibles.
Sympos. Tech. Paris Novembre 1957.
- 674 GOLDEN P.L., DURHAM R.W., CORRIVEAU N.
"TBD processing of Pu alloy fuels : preliminary investigation".
CRDC-640.
At. En. Canad. Chalk Rives.
- 675 HANDWERK J.H.
"Eléments combustibles céramiques dans les systèmes $\text{ThC}_2\text{-UC}_2$ et
 $\text{PuC}_2\text{-UC}_2$ ".
ANL-FCF-67.
Les Eléments Combustibles.
Symp. Tech. Paris 18-23 nov. 1957.

- 676 JETTE E.R.
"Pu metal".
"I.M.D. Special report serie n° 1 Nuclear Metallurgy 29-37".
Symposium conducted by Inst. of metal division Philadelphia, 17.10;55.
- 677 KELMAN L.R.
"Combustible pour le réacteur rapide du Laboratoire National
d'Argonne".
ANL-FGF-73.
Les Eléments Combustibles.
Synpos. Tech. Paris nov. 1957.
- 678 KELMAN L.R., BIUMENTHAL B.
"Basic plutonium metallurgy".
TID-4005.
Washington D.C., Division of research.
- 679 KONOBEEVSKI S.T.
"Diagramme d'état de certains systèmes à base de plutonium".
Extrait de : Session de l'Ac. des Sci. de l'U.R.S.S. pour une
utilisation pacifique de l'énergie atomique. 1-5 juillet 1955.
- 680 LARSON A.C., CROMER D.T., STAMBAUGH C.K.
"The crystal structure of PuAl₃".
Acta cryst. Dann.
1957, 10, Part 7, 443-446.
- 681 LETTE R.E., COFFINBERRY A.S.
"Plutonium and its alloys".
Reactor Handbook Materials.
1955, 235-242.
- 682 LEVINSON L., SEYBOLT A.U., ZARING J.
"Metallurgy of plutonium".
LA-70.
Los Alamos Scientific Lab. N. Mex.
- 683 MCKENZIE D.E., FLETCHER W.J., BRUCE T.
"The extraction of Pu from Pu-Al alloys by molten Li".
CRC-639.
At. En. Cand. Chalk River Ontario.
- 684 MCKENZIE D.E., FLETCHER J.W., BRUCE T.
"Some experiments related to the processing of Pu-Al alloy by
high temperature methods".
CRC-636.
At. En. Cand. Chalk River.
- 685 MCKENZIE D.E.
"The distribution of plutonium in the systems uranium silver
and uranium-silver-gold".
Canad. J. Chem.
1956, 34, 6, 749-756.
- 686 MARTIN A.B.
"Reactor evaluation quarterly progress report for May-July 1955".
NAA-SR-282.
North American Aviation, Inc., Downey, Calif.

- 687 MARTIN A.E., SELMANOFF G.D., LCEB D.B., NORTHAF P.C.,
SIMONS L.S., WILSON J.R.
"Dilatometric studies of the allotropic transformation of Pu".
LA-522.
Los Alamos N. Mex.
- 688 MARCON P.G., HAINES M.A.H.R., HEARCE J.H., WALDON M.B.
"The Plutonium-Iron system".
The J. of the Inst. of Metals déc. 1957, 86, 4, 167-171.
- 689 POOLE D.M., WILLIAMSON G.K., MARPLES J.A.C.
"A preliminary Investigation of the Plutonium-Thorium system".
The J. of the Inst. of Metals.
Décembre 1957, 86, 4, 172-176.
- 690 POOLE D.M., WILLIAMSON G.K.
"A preliminary investigation of the Pu-Th system".
A.E.R.E. M/R 2156.
At. En. Res. Est. Harwell.
- 691 RUNNALS O.J.C.
"The preparation of Pu-Al alloys".
AECL-n^o458.
At. Energ. Can.
Chalk River. Ontario.
- 692 RUNNALS O.J.C., WANCHOLE K.L.
"The preparation and sheathing of Pu-Al fuel alloys for the
N.R.X. reactor".
AECL-n^o514., CRL-47.
Symp. on fuel element fabrication. Paris nov. 18-23, 1957.
- 693 RUNNALS O.J.C., BUCHER R.R.
"The crystal structure of β -PuSi₂".
Acta Cryst. Lond.
1955, 8, 9, 592.
- 694 RUNNALS O.J.C.
"The crystal structures of some intermetallic compounds of
plutonium".
Canad. J. Chem.
1956, 34, 2, 133-145.
- 695 SMITH K.F., KELMAN L.R.
"Irradiation of cast uranium-plutonium base alloys".
ANL-5677.
Argonne National Lab., Lemont Ill.
- 696 SMITH C.S.
"Metallurgy at Los Alamos (Production Pu)".
Metal Progress 1954, 65, 81-89.
- 697 SHEDDING F.H., BUTLER I.A.
"Plutonium alloy and method of separating it from uranium".
USP N^o 2 778 730. Janvier 1957.

- 698 VARLEY J.H.C.
"The thermal expansion of pure metals and the possibility of negative coefficient of volume expansion".
Atom. Energ. Res. Est. Harwell Berks.
Proc. roy. Soc. (London) A 237.
1956, 413, 21.
- 699 WATERBURY G.R., ERICKER C.E.
"Separation and determination of microgram amounts of Mo (in Pu alloys)".
Anal. chemis., Janv. 1957, 29, 129-35.
- 7000 WILLIAMS J.
"Eléments combustibles imprégnés (UO₂-Al, PuO₂-Th etc..)".
A.E.R.E. M/L 1.
Les Eléments Combustibles.
Sympos. Tech. Paris 18-23 nov. 1957.
- 701 WILLIAMS G.K., MERRIES K.A.C.
"Some facilities for the study of plutonium and its alloys".
J. Inst. Met. G.B.
1957, 85, Part. 10; 431-436.

VII. - PRINCIPAUX COMPOSES

1) - Composés non oxygénés.

- 702 BRADLEY D.
"The preparation and properties of U-Pu-Th and the fission products chlorides".
A.E.R.E. CE/R-1382.
Aton. En. Res. Est. Harwell.
- 703 FLEWER L., BROMLEY L.A., GILLES F.W., LOFUREN N.L.
"The higher fluorides of plutonium".
UCRL 633.
University of California.
- 704 BROWN F., OCKENDEN H.M., WELCH G.A.
"The preparation and properties of some plutonium compounds. Part I. Plutonium hydride".
J. Chem. Soc. G.B.
1955, novembre, 3932-3936.
- 705 BROWN F., OCKENDEN H.M., WELCH G.A.
"The preparation and properties of some plutonium compounds. Part II. - Plutonium nitride".
J. Chem. Soc. G.B.
1955 décembre, 4196-4201.
- 706 BURKE J.F.
"Investigation of Plutonium Hydride".
AECD-2124.
- 707 BUYERS A.G.
"Experimental estimate of free energy of formation of plutonium trifluoride".
NAA-SR-1649.
North American Aviation, Inc.
Canoga Park, California.
- 708 CARNIGLIA S.C., CUNNINGHAM B.B.
"Twin Knudsen effusion apparatus for small samples of radioactive materials".
Rev. scient. Instrum. USA.
1955, 26, 5, 485-488.
- 709 CARNIGLIA S.C., CUNNINGHAM B.B.
"Vapor pressures of Americium trifluoride and plutonium trifluoride, heats and free energies of sublimation".
J. Amer. chem. Soc.
1955, 77, 6 1451-1453.
- 710 CARNIGLIA S.C.
"Vapor-pressures of Americium trifluoride and americium metal".
UCRL-2389.
Radiation Lab., Univ. of Calif. Berkeley.
- 711 CHRISTENSEN E.L., MULLINS L.J.
"Preparation of anhydrous plutonium trichloride".
LA 1431.
Los Alamos Scientific Laboratory, Los Alamos, New Mexico.

- 712 CODDING J.W., HAWKINS N.J., SABCL W.W.
"Purification of plutonium hexafluoride".
KAHL-M-PF6-1.
Knolls Atomic Power Lab., Schenectady. N. Y.
- 713 CODDING J.W.
"An ionization chamber for the study of PuF_6 ".
KAHL-1759.
Knolls Atom. power Laboratory, March 1957 N.Y.
- 714 DAVIDSON N.R.
"The thermodynamic properties of some fluorides of U and Pu".
N-1617.
Chicago. Univ. Metallurgical Lab.
- 715 DAWSON J.K., MANDLEBERG C.J., DAVIES D.
"Magnetochemistry of the heaviest elements. Part IV. Plutonium trifluoride and trichloride".
J. chem. Soc. G.B.
1951, August, 2047-2050.
- 716 DAWSON J.K.
"Magnetochemistry of the heaviest elements. Part VI. $\text{PuO}_2\text{-ThC}_2$ and $\text{PuF}_4\text{-ThF}_4$ solid solutions".
J. chem. Soc. G.B.
1952, May, 1882-1886.
- 717 DAWSON J.K., TRUSWELL A.E.
"The preparation of plutonium trifluoride and tetrafluoride by the use of hydrogen fluoride".
A.E.R.E. C/R 662.
Harwell Berks.
- 718 DAWSON J.K., D'EYE R.W.M., TRUSWELL A.E.
"The hydrated tetrafluorides of uranium and plutonium".
J. Chem. Soc. G.B.
Novembre 1954, 3922-3929.
- 720 DAWSON J.K., ELLIOTT R.M., HURST R., TRUSWELL A.E.
"The preparation and some properties of plutonium fluorides".
J. Chem. Soc. G.B.
1954, février, 558-564.
- 721 DRUMMOND J.L., McDONALD J.B. et al.
"The preparation and properties of some Pu compounds plutonium carbides".
J. Chem. Soc., décembre 1957, 4785-4788.
- 722 FLORIN A.E., TANNENBAUM I.R., LEMONS J.F.
"Preparation and properties of plutonium hexafluoride and identification of plutonium (VI) oxyfluoride".
J. Inorg. nucl. Chem. G.B.
1956, 2, 5/6, 368-379.
- 723 FRIED S.
"Transuranic metal halides and a process for the production thereof".
U.S.P. 2,545,920.
20 Mars 1951.

- 724 GARNER C.S., BAKES S.E., WEINSTOCK, JOHNS, MCULTEN.
"The preparation of Pu trichloride".
LA-112.
Los Alamos Sc. Lab. N. Mex.
- 725 GCRUM A.E.
"Some compounds of plutonium with metalloids elements (thesis)".
AEC-D-3660.
Los Alamos Scientific Lab., N. Mex.
- 726 GCRUM A.E.
"The crystal structures of PuFs-PuFe-PuF and PuCSe".
Acta. Cryst., février 1957; 10, 147.
- 727 GIJEN D.H., HALL J.G., WEINSTOCK B.
"Magnetic susceptibility of plutonium hexafluoride (lettre)".
J. Chem. Phys. USA.
1956, 24, 4, 905-906.
- 728 HAWKINS N.J., MATTHEW H.C., SABOL W.W.
"Infrared spectrum and thermodynamic properties of PuF₆".
KAHL-1007.
Knolls Atomic Power Labor., Schenectady, New York.
- 729 HAWKINS N.J., MATTHEW H.C., SABOL W.W.
"Infrared spectrum of plutonium hexafluoride (lettre)".
J. Chem. Phys. USA.
1955, 23, 11, 2191-2192.
- 730 JONES H.H.
"A study of plutonium trifluoride precipitated from aqueous solution".
EW-30384.
Hanford Atomic Products Operation, Richland, Wash.
- 731 KAHN H.
"Electrodeposition of plutonium fluoride".
U.S.P. 2,852,253.
U.S. Patent Office, March 24, 1945.
- 732 McDONALD B.J., FALDOE J.B.
"The preparation and properties of some plutonium compounds.
Part III. - X-ray diffraction studies of plutonium hydride (note)".
J. Chem. Soc. G.B.
1956, March, 761-762.
- 733 McLAUGHLIN R.D.
"The absorption spectrum of PuF₃. (thesis)".
UCRL-2440.
Radiation Laboratory, Berkeley, California.
- 734 HALL J.G., WEINSTOCK B., CLASSEN H.H.
"Infrared spectra of PuF₃ and PuF₆ (lettre)".
J. Chem. Phys. USA.
1955, 23, 11, 2192-2193.

- 735 MALM J.G., WEINSTOCK B.
"Argonne plutonium hexafluoride program".
ANL-5366(Del.).
Argonne National Lab., Lemont III.
- 736 MANDLEBERG C.J., DAVIES D.
"The vapour pressure of plutonium tetrafluoride".
A.E.R.E. C/R 1321.
Harwell, G.B.
17 février 1954.
- 737 MANDLEBERG C.J., RAE H.K., HURST B., LONG G., DAVIES D., FRANCIS K.E.
"Plutonium hexafluoride. Preparation and some physical properties".
Conférence de Genève 8/P/1110.
- 738 MANDLEBERG C.J., SMITH R.
"The solubility of PuF_3 in $\text{NO}_2\text{H}/\text{HF}$ mixture, and the solubility
product of PuF_3 ".
A.E.R.E. C/R 73.
Harwell.
- 739 MANDLEBERG C.J., RAE H.K., HURST R., LONG G., DAVIES D., FRANCIS K.E.
"Plutonium hexafluoride".
J. Inorg. nucl. Chem. G.B.
1956, 2, 5/6, 358-367.
- 740 MANDLEBERG G.J., RAE H.K., DAVIES D., FRANCIS K.E.
"Plutonium hexafluoride. Part I : preparation and some physical
properties".
A.E.R.E. C/R 1172.
En. At. Res. Est. Harwell.
- 741 MANDLEBERG C.J., DAVIES D., FRANCIS K.E.
"A study of the reaction between dry oxygen and PuF_4 at temperatures
above 700 °C".
A.E.R.E. C/R 157.
Harwell.
- 742 MILFORD R.N.R., STURDY G.E.
"The plutonium-hydrogen system. I. Plutonium dihydride and dideuteride".
J. Amer. Chem. Soc.
1955, 77, 13, 3449-3452.
- 743 MILFORD R.N.R., STURDY G.E.
"The plutonium hydrogen system. II. - Solid solution of hydrogen in
plutonium dihydride".
J. Amer. Chem. Soc.
1956, 78, 16, 3897-3901.
- 744 WARD H., WELCH G.A.
"The chloride complexes of trivalent plutonium, americium and
curium".
J. Inorg. nucl. Chem. G.B.
1956, 2, 5/6, 395-402.

- 745 WEINSTOCK B., MALM J.G.
"The properties of plutonium hexafluoride".
Conférence de Genève 8/P/753.
- 746 WEINSTOCK B., MALM J.G.
"The properties of plutonium hexafluoride".
PREPRINT 291.
Amer. Chem. Soc., Nuclear Engng., Sci. Congr., Cleveland, Ohio.
- 747 WEINSTOCK B., MALM J.G.
"The properties of plutonium hexafluoride".
J. Inorg. nucl. Chem. G.B.
1956, 2, 5/6, 380-394.
- 748 WEXLER S.
"Solubility data on inorganic compounds of rare earths, protoactinium
thorium, uranium and plutonium".
CC 1039.
Metallurgical Laboratory.
- 749 WALDRON M.B.
"The physical properties and alloying behaviour of plutonium metal".
Atom. Nucl. Energy G.3.
1957, 8, 10, 383-386.
- 750 ZACHARIASEN W.H.
"X-RAY diffraction studies of plutonium compounds".
CN-2069.
Chicago. Univ. Metallurgical Lab.
- 751 ZACHARIASEN W.H.
"The crystal structure of beta-phase compounds A_2XF_6 and AXF_4
(ANL-4104)".
AECD-2163.
- 752 ZACHARIASEN W.H.
"Double fluorides of K or Na with U-Th-La or Pu".
J. Am. chem. Soc. 1948, 70, 2147-2151.
- 753 ZACHARIASEN W.H.
"The UCl_3 type of crystal structure (isomorphisme avec $PuCl_3$)".
J. Chem. Phys. 1948, 16, 254.
- 754 ZACHARIASEN W.H.
"Crystal chemical studies of the 5 f series of elements ($PuCl_3$)".
Acta Cryst., 1948, 1, 265-268.
- 755 ZACHARIASEN W.H.
"Crystal chemical studies of the 5 f - series of elements.
X-sulfides and oxy-sulfides"
Acta. cryst.
1949, 2, part 1, 291-296.
- 756 ZACHARIASEN W.H.
"Crystal chemical studies of the 5 f-series of elements. XV. The
crystal structure of plutonium sesquicarbide".
Acta. Crystallogr.
1952, 5, part I, 17-19.

- 757 ZACHARIASEN W.H.
"Crystal studies of the 5f-series of elements. XXIII. On the crystal chemistry of uranyl compounds and or related compounds of transuranic elements".
Acta. cryst. Denn.
1954, 7, part 12, 795-799.
- 2*) - Oxydes-hydroxydes.
- 758 "Metallurgy of 94 ; report for month ending November 6".
CK-1040.
Chicago Univ. Metallurgical Lab.
- 759 BUYERS A.G., MURBACH E.W.
"Equilibrium considerations on uranium dioxide crossing of irradiated uranium".
NAA-SR-1793.
North American Aviation, Inc., Canoga, Park, Calif.
- 760 DRUMMOND J.L., WELCH G.A.
"The preparation and properties of some Plutonium compounds Plutonium dioxides".
J. Chem. Soc., décembre 1957, 4781-4785.
- 761 EISENSTEIN J.C., IRYCE M.H.L.
"The electronic structure and magnetic properties of uranyl-like ions. II. Plutonyl".
Proc. roy. Soc. G.B.
1956, 238, 1212, 31-45.
- 762 GRUEN D.M., KATZ J.J.
"Oxides of Transuranium elements".
AECD-1892.
Argonne National Laboratory.
- 763 JOHNS I.B.
"Equilibrium constants and heat of reaction for the hydrofluorination of UO_2 and PuO_2 ".
LA-381.
Los Alamos Scient. Lab. N. Mex.
- 764 LEARY J.A.
"Studies on the preparation properties and composition of plutonium peroxide".
LA-1913.
Los Alamos Scientific Lab., N. Mex.
- 765 MILLER M.L.
"The electrolytic preparation of thin films of plutonium oxide".
MDDC-469.
- 766 NEWTON T.W., BAKER F.B.
"The reaction between Pu(III) and oxygen in aqueous sulfate solutions".
J. Phys. Chem. USA.
1956, 5C, 10, 1417-1421.

- 767 OGALD A.E., RALIDEAU S.W.
"The kinetic of the reaction between Pu^{+3} and Pu^{+2} (note)".
J. Phys. Chem. USA.
1956, 60, 6, 812-813.
- 768 KIROV M.M., IVANOV H.I.
"Chaleurs de formation de Pu_2 et U_3O_8 (en russe)".
Aton. Energ. SSSR.
1957, 2, 4, 367-363.
- 769 TEMPLETON D.H., DALLEN C.H.
"The crystal structures of NpO and Pu_2O_3 ".
AEC-3443.
Radiation Lab., Univ. of Calif. Berkeley.
- 770 ZACHARIASEN W.H.
"The crystal chemistry of compounds containing groups $(\text{XO}_2)^{+2}$
or $(\text{XO}_2)^{+1}$ when $\text{X} = \text{U}, \text{Np}, \text{Pu}, \text{Am}$ (résumé)".
Acta. cryst. Danm.
1954, 7, 1C, 642.

3c) - Composés oxygénés acides.

- 771 BERKMAN M.G., KALLAN L.
"Spectrophotometric studies of plutonium (IV) and (VI) nitrates
in methyl isobutyl ketone".
ANL-4573.
Argonne National Laboratory. Lemont Illinois.
- 772 BLEANEY B., LLEWELLYN F.M., HRYCE M.E.L., KALL G.R.
"Paramagnetic resonance in plutonyl rubidium nitrate, and the spin
of ^{239}Pu (lettre)".
Philos. Mag. G.B.
1954, 45, 366, 773-774.
- 773 DAWSON J.K., ELLIOT R.M.
"The solubilities of $\text{Pu}(\text{NO}_3)_3$ in tri, n, butyl phosphate kerosene
and ethyl".
A.E.R.E. C/M 113.
Harwell Berks.
- 774 DAWSON J.K.
"Solubilities of some plutonium compounds".
A.E.R.E. C/M 92.
Atomic Energy Research Establishment Harwell, Berkshire.
- 775 DAWSON J.K., ELLIOTT R.M.
"The thermogravimetry of some plutonium compounds".
A.E.R.E. C/R 1207.
Atomic Energy Research Establishment Harwell, Berkshire.
- 776 DRUMMOND J.L., WELCH G.A.
"The preparation and properties of some plutonium compounds.
Part IV. - Crystalline plutonium nitrate (note)".
J. Chem. Soc. G.B.

- 777 ELLIOTT N., BURTON W.L.
"Magnetic susceptibilities of some uranium and plutonium salts".
AECD-2910.
- 778 HARMON K.M., REAS W.H.
"Conversion chemistry of Pu nitrate".
HW-49597A.
Hanf. At. Prod. Op. Richland Wash.
- 779 MCKAY H.A.C., REES D.
"Some experiments on rates of transfer of nitrates between an aqueous and a tributyl phosphate phase".
A.E.R.E. C/R 1199.
Harwell Berkshire.
- 780 MASTICK D.F., WAIL A.C.
"Ultramicrochemical Investigations of the solubilities of some plutonium compounds".
MDDC - 1761.
Los Alamos Scientific Laboratory.
- 781 NIGON J.P., BENNEMAN R.A., STARITZKY E., KEEMAN T.K., ASHREY L.B.
"Alkali carbonates of Np(V), Pu(V) and Am(V)".
J. Phys. Chem. USA.
1954, 58, 5, 403-408.
- 782 PAGES M., FERRADINI Ch., HAISSINKY M.
"Sur la réduction du sulfate de plutonyle par les rayons gamma".
Comp. Rend. Ac. Scien. Fr.
Sept. 1957, 14.
- 783 STARITZKY E.
"Crystallographic data $\text{Pu}(\text{NO}_3)_4 \cdot 5 \text{H}_2\text{O}$ ".
Anal. Chem., déc. 1956, 28, 2021-2022.
- 4°) - Complexes - composés organiques.
- 784 "Chemical research - basic chemistry of plutonium report for month ending September 1,".
CN-2088.
Chicago Univ. Metallurgical Lab.
- 785 BRADLEY, HARDUER, HUDSWELL.
"Pu alkoxides".
J. Chem. Soc. G.B.
1957, July, 3318.
- 786 CUNNINGHAM B.B. et al.
"Method of coating with plutonium acetylacetonate and coated product".
U.S.P. 2,545,606.
- 787 DAWSON J.K.
"Magnetochemistry of the heaviest elements. VII. Sodium plutonyl acetate".
J. Chem. Soc. G.B.
1952, July, 2705-2707.

- 788 FOMINE V.V., KARTUCHOVA R.E., RUDENKO G.I.
"Décomposition des oxalates du plutonium sous l'action du rayonnement alpha propre (en russe)".
Atom. Energ. SSSR., 1956, 3, 117-121.
Soviet Journal of Atomic Energy 1956, 3, 409-413.
- 789 FOREMAN J.K., SMITH T.D.
"The nature and stability of the complex ions formed by ter-, quadri-, and sexa-valent plutonium ions with ethylenediaminetetraacetic acid (EDTA). Part II. Spectrophotometric studies".
J. Chem. Soc. G.B.
1957, April, 1758-1762.
- 790 HUTCHISON C.A., Jr., LEWIS W.D.
"Paramagnetic resonance absorption in sodium plutonyl acetate (lettre)".
Phys. Rev. USA.
1954, 95, 4, 1096.
- 791 JONES L.H.
"Infrared spectra and structure of the crystalline sodium acetate complexes of U(VI), Np(VI), Pu(VI) and Am(VI). A comparison of metal oxygen bond distance and bond force constant in this series".
J. Chem. Phys. USA.
1955, 23, 11, 2105-2107.
- 792 MCCLE R.L.
"The solubility of Pu IV nonobutyl phosphate".
HW-18188.
Hanford Works, Richland, Wash.
- 793 NEWTON T.W., BAKER F.B.
"Chloride complex ions of Pu(VI)".
J. Phys. Chem. USA.
1957, 61, 7, 934-938.
- 794 OCKENDEN D.W., WELCH G.A.
"The preparation and properties of some plutonium compounds. Part V. - Colloidal quadrivalent plutonium".
J. Chem. Soc. G.B.
1956, September, 3358-3363.
- 795 RYDLER J.
"Studies on the extraction of metal complexes. XXV. - The complex formation of Pu(IV) with acetylacétone".
Arkiv. kem. Swed.
1956, 2, 2, 109-119.
- 796 WOLTER F.J.
"The chelate compounds of plutonium (thesis)".
ISC-14.
Ames Lab. Ames Iowa.

BIBLIOGRAPHIE SUR LE PLUTONIUM

COMPLEMENT MIS AU POINT PAR LE
SERVICE DU PLUTONIUM

CHAPITRE I

- 797 Ed. L. ANDERSON Jr.
"Nuclear Fuel processing. Its status and direction"
Chem. Engng Progr., 1957, 53, 6, 19-22
- 798 "Method of separating Pu"
Atom. Ener. Canada, 1957, 2, 172
- 799 "The distribution of Pu and PF between molten U and molten
U-fluoride-baryum halide mixtures"
J. Inorg. Nucl. Chem., USA, 1957, 4, 2, 93-99
- 800 "Homogeneous reactor processing ; progress report for period
November 1-30, 1952"
KLX.1607. Vitro Corporation of America, 1948/decl. 1957
- 801 "Homogeneous reactor fuel reprocessing"
KLX.1720. Vitro Corporation of America, 1954/decl. 1957
- 802 "Homogeneous reactor fuel reprocessing"
KLX.1722. Vitro Corporation of America, April 1 - June 30, 1954
- 803 "Uranium pyrometallurgy : first look"
NK10 UI/U. Chem. Engng USA, 1956, 34, 22, 2690-2691
- 804 "Distribution coefficients concentration in organic concentration
in aqueous of U, Pu and fission products"
Nucleonics, USA, 1955, 13, 9, 60
- 805 "A pyrometallurgical processing method for nuclear fuel"
Preprint 311. Amer. Soc. mechan. Engng Sci. Congr. Cleveland,
Ohio, 12 Déc. 1955
- 806 Industrial technical information meeting on cold processing of
enriched uranium"
TID.7518. Oak Ridge Tennessee, Sept. 1956, 96 pages
- 807 BAREIS D.W.
"Method of purifying liquid fuels of nuclear reactors"
USP. 2.758.023, 7 Août 1956
- 808 BASEL L., KOSLOV J.
"Design and cost estimate for a pyrometallurgical reprocessing
plant"
Nucleonics, USA, 1957, 15, 8, 56-60
- 809 BAIKIAN R.G., HERSH L., RASEMAN C.J., WEISMAN J.
"Fused-salt processing of liquid metal reactor fuels"
Preprint 143. Nucl. Engng Sci. Congr. Cleveland.
Ohio, 12 Déc. 1955

- 810 BLANCO R.E.
"Symposium on the reprocessing of irradiated fuels. TID.7534
Alternate processing methods for Zr and stainless steel contain
fuels"
Bruxelles, 1957, Book I, p. 251
- 811 BLANCO R.E.
"Processing of power reactor fuels"
Nuclear Sci. Engng, 1956, I, 5, oct.
- 812 BLANCO R.E., EISTER W.K.
"Power reactor fuel processing status report for may 1956"
CF. 56.5.101
- 813 BLANCO R.E., EISTER W.K.
"Feed materials processing status report for june 1956"
CF. 56.6.27. ORNL.1956/decl. 1957
- 814 BLANCO R.E., EISTER W.K.
"Feed materials processing status report for august 1956"
CF. 56.8.100. ORNL.1956/decl. 1957
- 815 BLANCO R.E., EISTER W.K.
"Feed materials processing report for October 1956"
NYO-5169
- 816 BOEGLIN A.F., BUCKHAM J.A., CHAJSON L., LEMON R.B., PAIGE D.M.,
STOOPS C.E.
"Continuous dissolution of U-Al reactor fuels"
Amer. Inst. Chem. Engers. Nucl. Engng Sci. Congr. Cleveland.
Ohio, 12 Dec. 1955
- 817 ANONYME
"Improvements in or relating to the recovery of Pu from solutions
containing it."
B.P. 783.601, 23 Sept. 1946
- 818 ERIGGS R.B., ROH A.M.
"Recovery process development ; fission burnup of enriched U used
in process ; verification"
CF.50.4.1, Oak Ridge 1950. ORNL-25
- 819 BURNS R.E., GILE H.S., Mc MULLEN C.R.
"Decontamination of Bi phosphate process first cycle waste
supernatants"
TID-10142
- 820 BUTLER J.P.
"Separation of U from other metals by hydriding"
USP-
- 821 BUYERS A.G.
"Fused fluoride processing of spent U fuel"
Nucleonics, USA, 1957, 15, 6, 86-89

- 822 CAMPBELL W.M.
"Canadian fuel reprocessing"
Nucleonics, USA, 1956, 9, 92-97
- 823 CATHERS G.I.
"Symposium on the reprocessing of irradiated fuels. TID-7534
Fluoride volatility process for high alloy fuels"
Bruxelles, 1957, Book 2, p. 560
- 824 CATHERS G.I., LEUZE R.E.
"A volatilization process for U recovery"
Preprint 278. Amer. Nucl. Soc. Engng Sci. Congr. Cleveland. Ohio
- 825 CLARK W.E., HYMAN M.L., KIBBEY A.H., KITTS F.G., PERONA J.J.
"Stainless steel fuel processing (DAREX)"
ORNL-2265, 1957, pp. 28-38
- 826 COOK O.O.
"Dépot électrolytique de plutonium"
MDDC-1657
- 827 CULLER F.L.
"U-Al alloy dissolving in HNO₃"
CF.51.10.91, 1951/decl. 1957
- 828 CULLER F.L.
"Symposium on the reprocessing of irradiated fuels TID-7534
General economics of chemical reprocessing for solvent extraction
processing"
Bruxelles, 1957, Book 3, p. 1108
- 829 CULLER F.L., BLANCO R.E., GOELLER H.E., WATSON C.D.
"General power reactor fuel reprocessing program"
ORNL-2265, 1957, p. 22
- 830 DEAN O.C., MORRISSON B.H.
"The hermex process"
ORNL-2265, 1957
- 831 DODSON R.W.
"Preparation of foiles (U, Pu, etc...)"
NNES V-3. Phys. Chem. Techn. of the Los Alamos Project.
- 832 DUYER C.E.
"Process for fission product removal from U-Bi reactor fuels
by use of fused salt extraction"
Amer. Inst. Chem. Engng J., 1956, 2, 2, 163-168
- 833 DUYER O.E.
"Process design for fission product removal from U-Bi reactor
fuels using fused salt extraction"
Preprint 151. Nucl. Energ. Sci. Congr. Cleveland. Ohio
12 Dec. 1957

- 834 FEDER H.H., LARSON R.P., EVANS H.B.
"Method of dissolving binary alloys"
USP-2.758.024. 7 Août 1956
- 835 FERGUSON D.E.
"The chemical processing of two region aqueous homogeneous reactors"
Nucl. Sci. Engng USA, 1957, 2, 5, 644-675
- 836 FERGUSON D.E., NURNI E.O.
"Fuel processing"
ORNL-2222
- 837 FLANARY J.R.
"Purex IA column studies"
CF.52.4.13, 1952/decl. 1957
- 838 FLANARY J.R., GOODE J.H.
"Solvent extraction applications"
ORNL-2265, 1957, pp. 85-96
- 839 FOLTZ J.R., ROSEN F.D., GARDNER W.J.
"Pyroprocessing methods for nuclear reactor fuels"
Preprint 145. Nuclear Engng Sci. Congr., 1955, p.9, fig. 8
- 840 FREUDENTHAL A.J., WEINER J.H.
"Pu liquid metal extraction of plutonium"
J. appl. Phys., 1956, 27, 44-50
- 841 GOLDSCHMIDT B., REGNAUT P.
"Le problème de l'extraction du plutonium (+ note de Monsieur REGNAUT)"
Cours de Génie atomique, 1955-1956
- 842 HAHN O., STRASSMANN F., GOOTE H.
"Eclaircissement expérimental des éléments et des atomes dans la fission de l'uranium"
Naturwissenschaften, 1942, 3
- 843 HATFIELD G.W.
"Reprocessing of nuclear fuel"
AECL-259, oct. 1955
- 844 HINTON C.
"The chemical separation processes at Windscale Works"
Chem. Industr., G.B., 1956, 27, 700-710
- 845 HOK-BERNSTROM B.
"Studies on the extraction of metal complexes.
XIV. The extraction of La, Th, U (VI) with some phenyl-carboxylic acids"
Svensk. Kem. Tids. Dtsch., 1956, 68, 1, 34-39

- 846 HURST R., GLOVER K.M.
"Note on the use of tetraethylene glycol as a spreading agent
in the preparation of uniform Pu sources"
AERE CN-100, fév. 1951
- 847 KESSIE R.W., LAWROSKI S., LEVENSON M., LIMATAINEN R.C.,
MECHAM W.J., RODGER W.A., SEEFELDT W.B., VOGEL G.J., GORING G.E.
"Symposium on the reprocessing of irradiated fuels engineering
and economics considerations of volatility processes"
Bruxelles 1957, TID-7534, p. 574
- 848 KO ROY
"Electrodeposition of the actinide elements"
Nucleonics, 1957, 15, 1, 72-77
- 849 KRIEGER H.L., KAHN B., STRAUB C.P.
"The removal of fission products from an acid aluminum nitrate
solution by co-precipitation methods"
ORNL-1966, 1955
- 850 KUPP R.W.
"Economics of a fast reactor reprocessing cycle"
Preprint 135 A. Cleveland. Ohio, 12 déc. 1955, 22 p.
- 851 LARSEN R.P., SHOR R.S., FEDER H.M., FLIKKEMA D.S.
"A study of the explosive properties of U-Zr alloys"
ANL-5135, Argonne, july 1954
- 852 LAWROSKI S.
"Non aqueous processing. An introduction"
Bruxelles 1957, Book 2, p. 479
- 853 LEVINE C.A., SEABORG G.T.
"The occurrence of plutonium in nature"
J. Amer. Soc., 1951, 73 7, 3278-3281
- 854 LUND K.L.
"Fuel element reprocessing"
Atomic Nucl. Energ., GB, 1957, 8, 9, 333-335
- 855 MARTIN F.S., MILES G.L.
"Chemical processing in the nuclear power industry"
Atomics, GB, 1956, 7, 2, p. 52
- 856 MECHAM W.J., LIMATAINEN R.C., KESSIE R.W., SEEFELD W.B.
"Decontamination of irradiated U by a fluoride volatility
process"
57-NESC-56. 2d. Nuclear Engng Sci. Congr. Philadelphie, 1957
- 857 MECHAM W.J., LIMATAINEN R.C., KESSIE R.W., SEEFELD W.B.
"Decontamination of irradiated Y by a fluoride process"
Chem. Engng Progr., USA, 1957, 53 2, 72F, 77F

- 858 METZIGER M.C., LONG A., STOLTZ E.H.
"U recovery process"
USP-2.743.156
- 859 MORRISON B.H., BLANCO R.E.
"The hermex process for metal decontamination by mercury
processing"
CF.56.1.151. ORNL-1955/decl.1957
- 860 MOTTA E.E., SINIZER D., BRAND G., FOLTZ J., GARDNER W.,
BALLIF J., GUON J., KENDALL G., LUEBBEN T., MATTERN K.
"Symposium on the reprocessing of irradiated fuels TID-7534
Pyrometallurgical processes : process and equipment development"
Bruxelles 1957, Book 2, p. 719
- 861 NAMEE Mac R.J., PERONA J.J., SAVOLAINEN J.E.
"Zr fuel processing (Zircex)"
ORNL-2265, 1957, 39-50
- 862 NICHOLLS C.M., SPENCE R.
"Chemical processing of nuclear fuel"
Trans. Inst. Chem. Engng, GB, 1957, 35, 6, 380-393
- 863 NICHOLLS C.M., SPENCE R.
"Chemical processing of nuclear fuel"
Atom. Nucl. Energ. GB, 1957, 8, 4, 136-139
- 864 NIEDRACH L.W., GLAMM A.C.
"An electrorefining method for processing reactor fuel"
Preprint-200. Cleveland. Ohio, 1955
- 865 NIEDRACH L.W., GLAMM A.C., FOUNTAIN G.R.
"The behavior of the representative fission products and Pu
in the KAPL electrorefining process and a review of the status
of the process"
KAPL-1692, 1957
- 866 PAGE W.R., RASEMAN C.J., GOODMAN E.I., SCARLETT C.H.
"A continuous flow pilot plant for the separation of bromine-
fluoride compounds and light end fission product fluorides from
U hexafluoride"
BNL-174. 17557. Brookhaven Nat. Labor. Upton 1952
- 867 PAGE W.R., RASEMAN C.J., GOODMAN E.I., SCARLETT C.H.
"A continuous flow pilot plant for the separation of bromine-
fluorine compounds and light end fission product fluorides
from U hexafluoride"
Inst. Nuclear Sci, Congr. Cleveland. Ohio, 1955, Preprint-149
- 869 PAGE W.R., RASEMAN C.J., GOODMAN E.I., SCARLETT C.H.
"Pilot plant for separation of reactor fuel elements"
Chem. Engng Progr. USA, 1955, 51, 12, 566-570

- 870 PETERSON W.R.
"March Progress Report, homogeneous reactor processing"
KLX-1613, Vitro Corp.
- 871 PIERCE O.W., MANOWITZ B.
"Development of aqueous processes for head end treatment of
fuels from the power reactor"
BNL-3334
- 872 RALPHS D.L.
"Pu separation from aqueous solutions by precipitation with LaF_3 "
HW-24115
- 873 REGNAUT P.
"Extraction du plutonium"
Editorial : Energie nucléaire, deuxième semestre 1957.
Conférence prononcée le 28/1/57 au centre de Perfection technique.
- 874 REGNAUT P.
"Le traitement des combustibles irradiés"
Energ. nucl. Fr., 1956, 75, 2, 68-81
- 875 REID R.C., DUFFEY D., VIVIAN J.E.
"Pyroprocessing for nuclear fuels"
Nucleonics, 1956, fev., 23-35
- 876 RIBLEY A.H., JOHN St C.V., HUNT H., DEVRIES T., MELLON M.G.
"The separation of U from other elements by the ethylether
extraction of a nitrate solution"
A-2170, 1946
- 877 RYDBERG J., BERNSTROM B.
"Studies on the extraction of metal complexes.
XXVII. The distribution of some actinides and fission products
between methyl isobutyl ketone and aqueous solutions of HNO_3 and
 $\text{Ca}(\text{NO}_3)_2$ "
Acta Chem. Scand., 1957, 2, 1, 86-97
- 878 SAVOLAINEN J.E., BLANCO R.E.
"Preparation of power reactor fuels for aqueous processing"
Chem. Engng Progr. USA, 1957, 53, 2, 78F, 81-F
- 879 SAVOLAINEN J.E., WYNER R.G., FERRIS L.M.
Volatility applications. Dissolution studies
ORNL-2265, 1957, 109-111
- 880 SCHRAIDT J.R., RODGER W.A., LEVENSON M., LAWROSKI S.
HAMPSON D.C., GRAAE J., COLEMAN L.F., BURRIS L., BERNSTEIN Jr. G.J.,
BENNETT G.A.
"Symposium on the reprocessing of irradiated fuels TID-7534
Pyrometallurgical processing economics and proposed engineering
application"
Bruxelles 1957, p. 7:3

- 881 SEEDHOUSE K.G., MONAHAN J., WALLIS G.
"The removal of fission products from solution with a precipitator column treatment. Part I. Laboratory trials. AERE FPSD/P-13, 1955, Harwell.
- 882 SHEFCIK J.J.
"Performance of a turbomixer for continuous washing of purex organic"
HW-51386
- 883 SLANSKY C.M.
"Symposium on the reprocessing of irradiated fuels. TIB-7534 Present dissolution method for Zr and stainless steel"
Bruxelles 1957, Book I, p. 244
- 884 SMITH T.
"III. High temperature separations chemistry of uranium. Mechanisms of fission product extraction uranium drossing"
NAA-SR-1872, 1957, 13-16
- 885 STEUNENBERG R.K., VOGEL R.C.
"Applications of fluoride volatility process to feed materials"
AECD-4239, 1956/decl. 1957
- 886 STOLLER S.M.
"A conceptual design and cost study for chemically processing irradiated reactor fuels"
Preprint-148. Nucl. Engng Sci. Congr. Cleveland. Ohio, 1955
- 889 STRICKLAND G., HORN F.L., JOHNSON R.
"Pilot plant fluorination of U fuel elements by bromine trifluoride"
BNL-457
- 890 TAYLOR E.H.
"Pu separation from fission products by ion exchange"
ORNL-65. Report of the chemistry division for the months March, April and May 1948
- 891 TEITEL R.J.
"Fractional precipitation processes for liquid metal fuels"
Preprint-152. Nucl. Engng Sci, Congr. Cleveland. Ohio, 1955
- 892 VOIGT A.F.
"Metallurgical separation of fuel and fission products"
ISC-706, 1956, 25-28
- 893 VOIGT A.F.
"Metallurgical separation of U and fission products"
ISC-757, 1956, 27-28

- 894 VOIGT A.F.
"Metallurgical separation of fuel and fission products.
I. Extraction of fission products with silver"
ISC-834, 1957, 15-17
- 895 VOIGT A.F.
"Liquid metal extraction for processing of spent fuel"
Preprint 144. Cleveland. Ohio, 1955
- 896 VOIGT A.F., DAANE A.H.
"Pyrometallurgy. I. Metallurgical separation of fuel and
fission product. II. Uranium-samarium studies. III. Ruthenium
studies"
ISC-643, oct. 1955, 15-16
- 897 VOIGT A.F., DAANE A.H., DEWELL E.H., CLARK R.G., GONSER J.E.,
HAEFLING J.F., HALABY K.L.
"Liquid metal extraction for processing of spent fuel"
A.I.C.H.E.J., 1956, 2, 2, 169-173
- 898 WATSON C.W., BEYER G.H.
"Liquid-liquid extraction of molten U with silver"
ISC-696. Amer6 Labor. Iowa State. College , mars 1956
- 899 WIBLE A.E.
"Continuous evaporation of the Purex process ICU stream in
the ORNL plant"
CF.52.2.215
ORNL-1952/decl., 1957
- 900 WYMER R.G., BLANCO R.E.
"U-Al alloy dissolution"
Preprint-261. Amer. Chem. Soc. Nucl. Engng Cleveland.
Ohio, dec. 12 th 1955
- 901 WYMER R.G., BLANCO R.E.
"U-Al alloy dissolution"
Ind. and Engng Chem. , 1957, 49, janv., 1, 59-61
- 902 YAKOVLEV G.N., CHULKOV P.M., DEDOV V.B., KOSYAKOV V.N.,
SOBOLEV Y.P.
"The preparation of thin films of plutonium. Americium and
curium by an electrolytic method"
J. Nucl. Energ., 1957, 1, 159-161
- 903 YUENGER C.F.
"Purex remote studies"
Atomic Products Operation. W-31-109-52, 1957

CHAPITRE II

- 904 FORSYTH R.S., MORRIS D.F.C.
"Study of the radiochemical technique employed for determining
the behavior of fission product Ru in the purification of
irradiated U by zone melting"
AERE-C/M-243
- 905 WARREN B., FRYKELL R., KLEINSCHMIDT R.
"Some factors affecting the cupferron extraction procedure for
estimation of trace amounts of plutonium"
MDDC-461. LADC-196

CHAPITRE III

- 906 PHIPPS T.E., SEDFERT R.I., SIMPSON O.C.
"Vapor pressure measurements on plutonium metal"
CN-3223
- PROPRIETES PHYSIQUES
- 907 "Plutonium métal (résumé)"
Engineering, GB, 1957, 184, 4767, 90
- 908 KLDRED V.W., CURTIS G.C.
"Some properties of plutonium metal"
Nature, G.B., 1957, 179, 4566, 910
- 909 JEPPE E., COFFINBERRY A.S.
"Plutonium and its alloys"
The reactor Handbook, section I, 3, chapitre 1-15
- 910 LEVINSON L., SEYBOLT A.U., ZARING J.
"Metallurgy of plutonium"
LA-70
- 911 SMITH S.
"Properties of plutonium metal"
J. appl. Phys., 1954, 5 mars.

CHAPITRE IV

- 912 DIAMOND R.M., STREET K. Jr, SEABORG G.T.
"An ion exchange study of possible hybridized 5 f bonding in
the actinides"
J. amer. Chem. Soc., 1954, 76, 1461
- 913 PURKAYASTHA B.C.
"Fission of atomic nuclei. I. Transuranium elements"
Nucleonics, 1948, 3, 6, 8
- 914 RUNNALS O.C.J., BOUCHER R.E.
"Plutonium-beryllium neutron yields"
Canada J. Phys., 1956, 34, 949, 58

CHAPITRE V

- 915 BEARD W.C.
"Solubilities of Pu trichloracetate in various reagents"
ABCD-2586, janv. 1947
- 916 CONNICK R.E., Mc VEY W.H.
"Note sur le plutonate de baryum (mono ou poly plutonate)"
MDDC-335
- 917 HARVEY J.C.
"La chimie du plutonium"
Proc. Conf. Nucl. Chem., 1947, 7, 5, 60-67
- 918 HARVEY J.C., HEAL H.G., MADDOCK A.G.
"The chemistry of plutonium"
J. Chem. Soc., 1947, 1010
- 919 KING E.L.
"Radiocolloidal behavior of Np and Pu"
MDDC-393
- 920 SPEDDING F.H.
"Chemical research-chemistry of plutonium ; report for period
of february I to march II, 1944"
CK-1516, 1944

CHAPITRE VI

921

KONOBEEVSKIY S.T

"Plutonium binary diagrams with various metals"

AEC-TR-2435

CHAPITRE VII

- 922 DAWSON J.K., ELLIOT R.M.
"Effect of heat on plutonium compounds"
Chem. Age, 1957, 78, 2007, 1046
- 923 DAWSON J.K., HAREWELL
"The magnetic susceptibility of Na plutonyl acetate"
AERE-C/R-876
- 924 ELLINGER F.H., ZACHARIASEN W.H.
"The crystal structure of $KPuO_2CO_3$, $NH_4PuO_2CO_3$ and
 $RbAmO_2CO_3$ "
AECD-3599
- 925 HOWARD F.T.
"Pu(III) chlorides preparation for calutron runs"
ORNL-2139 Electro nuclear research division. Semi-annual
Progress Report for period ending March 20, 1956
- 926 JOHNS I.B.
"Plutonium hydride and deuteride"
MDDC-717. LADC-277
- 927 HOULTON G.H.
"Decomposition products of plutonyl nitrate and plutonium
oxalate"
LA-172
- 928 PHIPPS T.E., SEARS W.G., SIMPSON O.C.
"The volatility of Pu dioxide"
J. Chem. Phys. USA, 1950, 18, 5, 724-734
- 929 PHIPPS T.E., SEARS W.G., SELFFERT R.I., SIMPSON O.C.
"The vapor pressure of Pu halides"
J. Chem. Phys. USA, 1950, 18, 5, 713-723
- 930 RYDBERG J.
"The extraction of metal complexes. XXII. A. The formation
of composite mononuclear complexes."
Arkiv. Kem., 1955, 8, 101-112
- 931 STARITZKY E., WALKER D.I.
"Optical properties of some compounds of uranium-plutonium
and related elements"
LA-1439, janv. 1949
- 932 VILLAR G.E.
"The quadrivalence of U and Pu in uranyl and plutonyl
radicals"
Bol. Facultad Ing. Montevideo, 1950, 4, 77

- 933 WEINSTOCK B.
"Vapour pressure of Pu trichloride"
MDDC-1345
- 934 WESTROM E.F., WALLHANN J.C.
"The melting point and the heat of sublimation of Pu trifluoride"
AECD-2873. J. Amer. Chem. Soc., 1954, 73, 1, 3530-3531
- 935 ZACHARIASEN W.H.
"Crystal structure studies of Pu and Np compounds"
MDDC-67
- 936 ZACHARIASEN W.H.
"The crystal chemistry of fluorides of Th, U, Np, Pu"
MDDC-1151
- 937 ZACHARIASEN W.H.
"Crystal chemical studies of the 5 f series of elements.
XIV. Oxyfluorides XOF"
Acta Crystal., 1956, 4, no. 1, 231-236

FIN