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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY THE UCRL  
INFORMATION DIVISION DURING THE PERIOD OF JANUARY 16 - 31, 1959

February 3, 1959

Printed for the U. S. Atomic Energy Commission

LIST OF CODES FOR REPORT NUMBERS

ACCO	-American Cyanimid Company
AEP	-Monsanto Chemical Company
AERE	-Gt. Brit. Atomic Energy Research Establishment, Harwell, Berks, England
ALCO	-American Locomotive Company
AMF	-American Machine & Foundry Co.
ANL	-Argonne National Laboratory
ANP	-Aircraft Nuclear Propulsion Project
APEX	-General Electric Company, ANP Project
ASTIA	-Armed Services Technical Information Agency, Dayton, Ohio
BAW	-Babcock & Wilcox
BDX	-Bendix Aviation Corp., Detroit
BMI	-Battelle Memorial Institute
BNL	-Brookhaven National Lab.
BRB	-Bridgeport Brass Company
BSC	-Bethlehem Steel Company
CENP	-Combustion Engineering, Inc.
CERN	-European Organization of Nuclear Research, Geneva
COO	-Chicago Operations Office
CU	-Columbia University
DCDE	-Atomic Power Development Associates
DLWK	-Duquense Light Co-Walter Kidde
DOW	-Dow Chemical Company
DP	-E.I. duPont de Nemour & Co.
FWE	-Foreign Weapons Effects
GAT	-Goodyear Atomic Corporation
GEAP	-General Electric Company
GEL	-General Electric Co., General Engineering Laboratory
HEC	-Hooker Electrochemical Co.
HO	-Hanford Operations Office
HW	-Hanford Works, Richland
IDO	-Idaho Operations Office
ISC	-Iowa State College
K	-Carbide and Carbon Chemicals Co. (K-25 Plant)
KAPL	-Knolls Atomic Power Laboratory
KLX	-The Vitro Corporation of America
KLXS	-Vitro Corporation of America (Study Group)
KY	-Carbide and Carbon Chemicals Co. (C-31 Plant)
LA&LAMS	-Los Alamos Scientific Lab.
MCW	-Mallinckrodt Chemical Works
MIT	-Massachusetts Inst. of Tech.
MLM	-Mound Laboratory
NAA-SR	-North American Aviation, Inc.
NBL	-New Brunswick Laboratory
NBS	-National Bureau of Standards
NEA	-Foster Wheeler-Pioneer Service
NLCO	-National Lead Company of Ohio
NMI	-Nuclear Metals Inc.
NNSD	-Newport News Shipbuilding and Dry Dock Co.
NPG	-Commonwealth Edison Co. (Nuclear Power Group)
NRL	-Naval Research Laboratory, Washington D.C.
NYO	-New York Operations Office
ORINS	-Oak Ridge Institute of Nuclear Studies

ORNL	-Carbide & Carbon Chemicals Co. (ORNL)
ORO	-Oak Ridge Operations Office
PWAC	-Pratt & Whitney Aircraft Division of the United Aircraft Corp.
RFP	-Rocky Flats Plant
RME	-Grand Junction Operations Office
RMO	-Division of Raw Materials
SAN	-San Francisco Operations Office
SC	-Sandia Corporation
SEP	-Sylvania Electric Products, Inc.
SFO	-Santa Fe Operations Office
SRO	-Savannah River Operations Office
SO	-Schenectady Operations Office
TEI(M)	-U. S. Geological Survey Trace Elements Reports
TID	-Technical Information Service
TVA	-Tennessee Valley Authority
UCLA	-University of California Medical Research Laboratory
UCRL	-University of California Radiation Laboratory
UR	-University of Rochester
USNRDL	-U.S. Naval Radiological Lab., San Francisco, Calif.
UWFL	-University of Washington Applied Fisheries Laboratory
WAPD	-Westinghouse Electric Corp., Bettis Plant
WASH	-AEC, Washington
WEC	-Westinghouse Electric Company Industrial Atomic Power Group
WIN	-National Lead Co., Inc. Winchester
WT	-Weapon Test Reports
Y	-Carbide and Carbon Chemicals Company (Y-12 Plant)

Many prefixes used for research and development reports cover a number of installations. NP ("Non-Project") numbers are assigned by the Technical Information Service at Oak Ridge to those reports which it received from sources not under contract to the Atomic Energy Commission. The UCRL Information Division gives "Misc" numbers to any others received here that do not bear an identifying number. Many reports are grouped together under numbers corresponding to an AEC division or operations office. Some of these are as follows:

CO,COO	-Chicago Operations Office
IDO	-Idaho Operations Office
NYO,NYOO	-New York Operations Office
ORO	-Oak Ridge Operations Office
RMO	-Raw Materials Division
WASH	-Atomic Energy Commission, Washington

In our semimonthly "List of Reports Received" the originating installation will be placed in the author column whenever the report code number does not indicate a specific laboratory, or is obsolete or not given in the list.

Two series of translations are currently received, one sponsored by the AEC (AEC-tr), the other by the National Science Foundation (NSF-tr).

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY THE UCRL  
INFORMATION DIVISION DURING THE PERIOD OF JANUARY 16 - 31, 1959

Lawrence Radiation Laboratory  
University of California  
Berkeley, California

February 3, 1959

<u>Index Number</u>	<u>Title</u>	<u>Author</u>	<u>Date</u>
<u>BIOSCIENCES</u>			
*AEC-tr-2102	Rutoside and Flavonic Derivatives, by R. Moers. Trans. from Journal de Pharmacie de Belgique, New Ser., 8, 44-58 (1954).		
*AEC-tr-2327	The Significance of Trace Elements in Plant, Animal, and Human Nutrition, by A. Jacob. Trans. from Naturwissenschaftliche Rundschau 8, 309-14 (1955).		
*AEC-tr-2396	Biochemistry of Scandium and its Precipitation as the Phytate, by G. Beck. Trans. from Mikrochemie Vereinigt mit Mikrochimica Acta 34, 62-6 (1948).		
*AEC-tr-3173	Blood Platelets in Cancer and Peptic Ulcer, by A. A. Bagdasarov, R. I. Redina, and E. G. Gefen. Trans. from Klinicheskaja Meditsina 28, no. 4, 39-45 (1950).		
*AEC-tr-3179	The Problem of Thrombocytosis, by G. M. Sokolova. Trans. from Klinicheskaja Meditsina 30, no. 8, 76-8 (1952).		
*AEC-tr-3180	Count of Thrombocytes in the Blood, by V. A. Andreav. Trans. from Klinicheskaja Meditsina 32, no. , 68-72 (1954).		
*Microcards			

AEC-tr-3432	Use of Radioactive Carbon $C^{14}$ in the Study of Photosynthesis, by O. V. Zalenskii, O. A. Semikhatova, and V. L. Voznesenskii. Trans. of a publication issued by Akademiia Nauk S.S.S.R., 1955. 111p.		
AERE-HP/R-2730	Radiostrontium in Soil, Herbage, Animal Bone and Milk Samples from the United Kingdom. 1957 Results.	F. J. Bryant, A. Morgan, G. S. Spicer	11-58
AERE-Lib/Trans-803	Studies of the Value of Haematological Control in Cases of Chronic Radiation Exposure. (M. D. Thesis), by Ole G. Backer. Trans. of a thesis for the degree of Doctor of Medicine, Copenhagen. Universitet, 1958.		
AERE-MED/M-27	Memorandum on the Hazards and Handling of Epoxide Resin Systems.	F. M. Turner	10-58
AERE-MED/R-2720	Preparation of Lanthanum Nitrate of Low $\alpha$ -Activity.	J. E. Marriott	10-58
BNL-504	Bibliography on the Effects of Ionizing Radiations on Plants, 1896 - 1955.	A. H. Sparrow, J. P. Binnington, V. Pond	7-58
CEA-762	Application of Autoradiography to the Kinetic Study of the Selective Fixation of a Medicinal Substance. (In French.) (Reprinted from Annales Pharmaceutiques Françaises <u>15</u> , 227-34 (1957).	C. G. Schmitterlôw, Y. Cohen France. Commissariat à l'Énergie Atomique, Paris	1958
CEA-763	Use of Isotopes in Pharmacology. (In French.) Reprinted from <u>Thérapie</u> <u>12</u> , 708-36 (1957).	Y. Cohen Same	1958
CEA-778	Sensitivity and Rapidity of the Evaporation Method for the Measurement of the Radioactivity of Residual Water. (In French.) Reprinted from <u>Energie Nucléaire</u> <u>1</u> , 20-3 (1957).	P. Cohen, A. Reiffsteck, G. Wormser Same	1958
CEA-779	Decontamination Tests on Cotton Materials. (In French.) Reprinted from <u>Energie Nucléaire</u> <u>1</u> , 24-6 (1957).	P. Cohen, C. Pelletier, Same	1958



CEA-787	Metabolism of the Bile Acids. (In French.) Reprinted from <i>Revue Internationale de Hepatologie</i> 7, 541-56 (1957).	M. Lambiotte, P. Fallot France. Commissariat à l'Énergie Atomique, Paris	1958
CEA-797	Formation of Sulfite, of Cysteic Acid, and of Taurine, Starting from the Sulfate of the Embryonic Egg. (In French.) Reprinted from <i>Biochimica et Biophysica Acta</i> 26, 538-58 (1957).	F. Chapeville, P. Fromageot Same	1958
HW-56558	Retention and Localization of Phosphorus-32 in Rat Ovary.	B. Kavin	11-21-58
IGE-R-7	Calder Works: The Radiological Design of the Discharge Plant.	K. H. Dent, H. C. Knights U.K.A.E.A. Industrial Group H. Q., Risley, Lancs, England	1958
IGO-R/R-8	Observations on the Metabolism of Soluble Uranium in Humans.	A. Butterworth, A. S. McLean Same	12-9-55
KAPL-1951	Health Physics. Quarterly Report for January - March, 1958.		
*LTRS-RM-314	Low Temperature Research Station Radiation Group.	R. S. Hannan, Gt. Brit. Low Temp. Res. Sta. Rad. Group, Cambridge, Eng.	12-31-57
*MAB-135-M	Report of the Panel of Toxicity of Beryllium.	Nat'l Research Council. Materials Board	7-31-58
**MF-115	Application of Carbon-14-Labeled Cyanide to Studies of Carbohydrates. (Thesis)	J. D. Moyer Maryland. Univ., College Park	1958
MND-1235	The Origin and Disposal of Power Reactor Wastes.	G. P. Dix, R. C. Groscup, J. M. Leffler Martin Co. Nuclear Div., Baltimore	2-5-58

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*NP-6672	Radioactivity in the Riso District. (In Danish)	K. Heydern, J. Lippert, P. Theodorsson Denmark. Atomenergi- kommissionen, Roskilde	4-1-57
*NP-tr-14	Experimental Researches into the Effect of X-Rays on Animal Tissue, by P. Krause and K. Ziegler. Trans. from Fortschritte auf dem Gebiete der Röntgenstrahlen <u>10</u> , 158-60 (1906).		
*NP-tr-53	Experimental Research on the Effects of X-Radiation on the Bone Marrow, with some Remarks about the X-Ray Therapy of Leukaemia, Pseudo-Leukaemia and Sarcoma, by H. Heinke. Trans. from Deutsche Zeitschrift für Chirurgie <u>6</u> , 196-211 (1905).		
USNRDL-TR-281	Weight Nitrogen and DNA Content of Small Intestine Mucosa of Rats Exposed to X-Rays.	R. E. Kay, C. Entenman	11-19-58
UWFL-54	Radionuclides in Plankton Near the Marshall Islands, 1956.	F. G. Lowman Washington. Univ., Seattle. Applied Physics Lab.	2-14-58
UWFL-55	Radiobiological Studies of the Fish Collected at Rongelap and Ailinginae Atolls, July 1957.	A. D. Welander Same	3-5-58
UWFL-56	The Occurrence of Antimony-125, Europium-155, Iron-55, and Other Radionuclides in Rongelap Atoll Soil.	R. F. Palumbo, F. G. Lowman Same	4-7-58

CHEMISTRY

*AEC-tr-1982	The Action of Fluorine on Anodic Processes in Electrolysis Through Zinc, by Livio Cambi and Eugenio Bertbrella. Trans. from Chimica e L'Industria <u>35</u> , 397-402 (1953).		
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\*Microcards

- \*AEC-tr-1983      Fundamental Vibrations of Molecules of the Type of  $X_2CO$ , by Tatsuo Miyazawa. Trans. from Nippon Kagaku Zasshi 74, 915-7 (1953).
- \*AEC-tr-1985      Polarographic Determination of Minute Quantities of Thorium, by K. Komarek. Trans. from International Polarographic Congress. 1st, Prague, 1951. Proceedings, Pt. I, 611-8 (1951).
- \*AEC-tr-1989      Role of Oxygen Radicals in Oxidations and Reductions Caused by Ionizing Radiation. 2. The Mechanism of Reactions According to Analysis of the Gases Produced, by Marc Lefort and Moise Haissinsky. Trans. from Journal de Chimie Physique et de Physico-Chimie Biologique 48, 368-71 (1951).
- \*AEC-tr-1993      Fully Automatic Equipment for Colorimetric Analysis, by Hans Fuhrmann. Trans. from Chemie-Ingenieur-Technik 26, 401-4 (1954).
- \*AEC-tr-1994      On the Use of Ion Exchangers for Determination of Traces of Impurities in Uranium, by I. G. Draganic, Z. D. Draganic, and Z. I. Dizar. Trans. from Institut za Nuklearne Nauke, Belgrad. Bulletin 4, 37-44 (1954).
- \*AEC-tr-2069      Physico-Chemical Properties of Fused Salts. I. Electric Conductivity of Simple Salts. II. Electric Conductivity of Mixed Salts, by Kaoru Sakai. Trans. from Nippon Kagaku Zasshi 75, 182-9 (1954).
- \*AEC-tr-2101      Computing Devices for the Solution of Problems in Chemical Engineering Technology, by Otto Fuchs. Trans. from Chemie-Ingenieur-Technik 25, 377-85 (1953).
- \*AEC-tr-2399      Radiation Control by Photographic Recording of Fluorescence, by K. Semmermayer and G. Heiner. Trans. from Naturwissenschaften 42, 508 (1955).
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- \*AEC-tr-2457 Study on Dry Corrosion. The Oxidation of Powdered Aluminum, by Haldun N. Terem. Trans. from Istanbul. Universite. Fen Fakultesi. Istanbul Universitesi Fen Fakultesi Mecmuasi. Revue 12, Seri A. 299-307 (1947).
- \*AEC-tr-2511 Making a Transparent Dry Film from Paperchromatograms and Paperelectropherograms, by Jean Barrolier. Trans. from Naturwissenschaften 42, 126 (1955).
- \*AEC-tr-2528 Ion-Exchange Resins Used in Analytical Chemistry. (Twelfth Report). Determination of Adsorption Bands by a High-Frequency Method. (Preview), by Masatake Honda. Trans. from Nippon Kagaku Zasshi 73, 529 (1952).
- \*AEC-tr-2541 Chemical and Thermodynamic Studies on Mercurous Azide and Lead Azide, by Shin Suzuki. Trans. from Nippon Kagaku Zasshi 73, 278-9 (1952).
- \*AEC-tr-2544 Chemical and Thermodynamic Studies on Silver Azide and Thallium Azide, by Shin Suzuki. Trans. from Nippon Kagaku Zasshi 73, 150-2 (1952).
- \*AEC-tr-2547 A New Microchemical Complex and its Application to the Study of  $Cu^{++}$ , by Juan Carlos Baró Graf. Trans. from Mikrochimica Acta 1956, 263-7.
- \*AEC-tr-2930 Separation of Rare Earths in Aqueous Solution by Ionic Migration, by K. Clusius and E. R. Ramirez. Trans. from Helvetica Chimica Acta 36, 1160-5 (1953).
- \*AEC-tr-3057 Optical Pyrometers; EOP-51M and OP-48M for the Measurement of Temperatures up to 6000° C, by V. K. Finkel'shtein, E. S. Shpigolman, and V. K. Kandyba. Trans. from Izmeritel'naya Tekhnika 1956, no. 5, 52-4.
- \*AEC-tr-3175 The Actions of Radiations Ionized by Water and Aqueous Solutions, by Marc Lefort. Trans. from Journal de Chimie. Physique et de Physico-Chimie Biologique 47, 776-94 (1950)

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\*AEC-tr-3205 A Separation Method in a Single Drop. A Contribution to the Spot Analysis (With Three Photos), by Herbert Weiss. Trans. from Mikrochimica Acta 1954, 376-87.

\*AEC-tr-3219 The Application of the Aluminum Indicator Electrode to the Determination of Aluminum by the Fluoride Method, by E. N. Ovsepian and V. M. Taralan. Trans. from Erivan. Uniersitet. Nauchnye Trudy 53, 85-94 (1956).

AEC-tr-3412 Enrichment of Uranium Isotopes by the Method of Gas Centrifugation, by Wilhelm Groth, Konrad Beyerle, Hans Ihle, Alexander Murrenhoff, Erich Mann, and Karl-Heinz Welge. Trans. of Forshcungsbericht Nr. 501 issued by Westphalia, Germany. Ministerium der Industrie und des Handels, Nordrhein, 1958.

AEC-tr-3504 The Sulfides of Uranium, by Marius Picon and Jean Flahaut. Trans. from Société Chimique de France, Paris. Bulletin 1958, 772-80.

\*AECU-3809 Reactions of Uranium and Uranium Oxide with Water Vapor and Other Gases. Progress Report 100FF942-R1. P. E. Blackburn, E. A. Gulbransen Westinghouse Elec. Corp. Res. Labs., East Pittsburgh, Pa. 6-28-55

AERE-C/M-361 The Effect of Temperature on the Carbon Dioxide - Graphite Reaction Under Pile Radiation. H. B. F. Gow, W. R. Marsh 11-58

AERE-C/M-366 Isotopic Analysis of Americium and Curium by Mass Spectrometer. D. F. Dance 11-58

AERE-C/R-2509 An Improved Procedure for the Volumetric Determination of Oxide in Beryllium Metal. C. G. Wallace U.K.A.E.A. Res. Group. Chemistry Div., Woolwich Outstation, England 11-58

AERE-C/R-2622 The Small Scale Remote Handling of Curie Levels of Beta, Gamma Active Solutions. J. H. Moss, G. P. Kitt, P. E. Brown 10-58

\*Microcards

AERE-C/R-2710	The Production of Chemicals from Reactors. Part I. The Fixation of Atmospheric Nitrogen by Fission Fragments.	C. G. Edwards, F. Moseley	10-58
AERE-C/R-2723	Field Laboratory Methods for the Determination of Uranium in Non-Saline Waters.	G. W. C. Milner, G. A. Barnett	11-58
AERE-EL/R-2712	The Variation of Phosphor Decay Time with Specific Ionisation and Its Applications. (Presented at the "International Symposium on Nuclear Electronics" held at Unesco House, Paris, September 16-20, 1958.)	R. B. Owen	11-58
AERE-I/R-2745	The Adsorption of Carbon Monoxide on Zinc Oxide.	T. I. Barry, F. A. Brimelow	11-58
AERE-Lib/Trans-800	The Mechanism of Some Simple Chemical Reactions Taking Place Under the Action of Ionizing Radiations, by S. Ia. Psheshetskii and M. T. Dmitriev. Trans. from Uspexhi Khimii <u>26</u> , 725-67 (1957).		
AERE-Lib/Trans-802 (Papers 1 & 2)	Paper 1. Determination of Stability Constants of $\text{TH}(\text{NO}_3)_4^{4-}$ Ions by Means of Tributyl Phosphate Extraction, by V. V. Fomin and E. P. Maiorova. Trans. from Zhurnal Neorganicheskoi Khimii <u>1</u> , 1703-12 (1956). 13p. Paper 2. Determination of Stability Constants $\text{TH}(\text{NO}_3)_4^{4-}$ Ions, by V. V. Fomin and E. P. Maiorova. Trans. from Zhurnal Neorganicheskoi Khimii <u>1</u> , 2749-52 (1956). 5p.		
ANL-5924	Chemical Engineering Division. Summary Report (for) July, August, September, 1958.		12-58
CEA-673A	Purification by Ion Exchange Resins of the Heavy Water of the Reactors EL <sub>1</sub> and EL <sub>2</sub> . [Part] A. The Purifying Process. Equipment and Results. (In French)	J. Chencuard, E. Roth France. Commissariat à l'Énergie Atomique, Paris.	1957
CEA-673B	Purification by Ion Exchange Resins of the Heavy Water in The Reactors EL <sub>1</sub> and EL <sub>2</sub> . [Part] B. Study of the General Properties of the Resins Used. (In French)	R. Platzer Same	1957

CEA-780	Sr <sup>90</sup> Determination in Calcareous Water. (In French.) Reprinted from <i>Energie Nucléaire</i> <u>1</u> , 89-90 (1957).	P. Cohen G. Pardo, G. Wormser France. Commissariat à l'Énergie Atomique, Paris	1958
CEA-799	The Possibilities of Multiple Monochromatization Applied to the Electromagnetic Separation of Isotopes. (In French.) Reprinted from <i>Académie des Sciences, Paris.</i> <i>Compte Rendus</i> <u>246</u> , 1413-6 (1958).	C. Cassagnol Same	1958
CF-58-12-23	Chemical Feasibility of Homogeneous Neutron Poisons for Criticality Control in Fuel Reprocessing.	J. G. Moore, R. H. Rainey ORNL, Tenn.	12-1-58
CF-58-12-26	Comparison of Beta with Gamma Counting for the Measurement of 2.56h Nickel-65.	C. E. Miller Same	12-10-58
IDO-14446	Attrition Test on Calcined Idaho Chemical Processing Plant Waste.	P. N. Kelly Phillips Pet. Co. Atomic Energy Div., Idaho Falls, Idaho	12-1-58
IGO-AM/S-9	The Determination of Nitrogen in Vanadium Metal.	U.K.A.E.A. Industrial Group. Springfields Works, Springfields, Lancs, England	1958
IGO-AM/S-13	The Determination of Bromine in Uranium Hexafluoride.	Same	11-11-55
IGO-AM/S-18	The Determination of Traces of Uranium in Thorium Metal.	Same	3-14-56
IGO-AM/S-27	Spectrographic Determination of Calcium in Thorium and Thoria Using the Lundegardh Technique.	Same	3-8-56
IGO-AM/S-29	The Determination of Iron in Ammonium Diuranate and Uranic Liquors.	Same	4-6-56
IGO-AM/S-48	The Determination of Carbon in Uranium Metal by Combustion and Absorption of Carbon Dioxide. (Analytical Method.)	Same	1958

IQR-TN/C-281	The Decomposition of Trichloroethylene.	R. Lind, M. P. McGuinness U.K.A.E.A. Industrial Group, Culceth Labs., Culceth Lancs, England	2-6-55
ISC-1049	Chemistry. Semi-Annual Summary Research Report for January - June, 1958.	Ames Lab., Ames, Iowa	11-1-58
*KAPL-M-SMS-21 and Suppl. A	S3G/S4G Project Development and Testing of a Hot Crud Filter and Filtrate Sampling Unit.	W. F. Mathewson	3-27-56
*LA-387(Del.)	Spectrochemical Analysis of Plutonium and Its Compounds. II. The Cupferron Procedure.	N. H. Nachtrieb, H. A. Potrats, O. R. Simi, et al.	9-14-45
*IA-472	Preparation of Uranium Metal by the Bomb Method.	R. D. Baker, B. R. Hayward, C. Hull, et al.	12-2-57
*IA-473	Preparation of Plutonium Metal by the Bomb Method.	R. D. Baker	6-25-46
*IAMS-1267	Determination of Particle Size Distribution and Surface Area by Photometry.	D. R. King, J. B. Panowski	5-13-48
*IAMS-1674	Separation of Small Amounts of Scandium From Uranium.	K. S. Bergstresser	5-54
*IAMS-1698	Determination of Hydrogen in Lithium Hydride.	K. S. Bergstresser, G. R. Waterbury	5-54
*IAMS-2312	An Evaluation of Techniques for the Analysis of Oxygen in Beryllium.	W. G. Bradshaw Lockheed Aircraft Corp. Missile Systems Div. Sunnyvale, Calif.	3-14-50
*M-1183	Liquid Distribution Through Stedman Packing.	W. C. Zmachinsky Columbia Univ., N. Y. Div. of War Research	10-23-41
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M-2846(Del.2)	Research on the Electrodeposition of Polonium [for period] November 1, 1943 - May 1, 1946.	J. W. Schulte Monsanto Chem. Co., Dayton, Ohio	6-20-46
MISC-1959-3	Preparation of Aqueous Solutions of $S^{35}O_2$ with Carrier. Report No. 38/V.	J. Falecki Polish Academy of Sciences, Inst. of Nuclear Research, Warsaw	10-58
MISC-1959-5	Preparation of $^{32}P$ - Labelled Barium Dihydrogen Hypo-Phosphate, Phosphorus Trichloride, and Ortho-Phosphorous Acid. Report No. 40/V.	A. Siuda Same	11-58
MISC-1959-20	Industrial Uses of Radioactive Fission Products. A Report to the United States Atomic Energy Commission [on] SRI Project No. 361.	Stanford Research Inst., (Menlo Park, Calif.)	9-51
Monograph 3120	Refinement of the Structure of a Grossularite Garnet. Reprinted from Acta Crystallographica <u>11</u> , 437-41 (1958)	S. C. Abrahams, S. Geller Bell Tel. Labs., Inc. N.Y.	11-58
Monograph 3125	Ferromagnetic Moment of $CoMnO_3$ . Reprinted from Physics and Chemistry of Solids <u>5</u> , 299-301 (1958).	R. M. Bezorth, D. E. Walsh Same	11-58
Monograph 3127	The Time Lag in Diffusion. II. Reprinted from Journal of Physical Chemistry <u>62</u> , 401-4 (1958).	H. L. Frisch Same	11-58
Monograph 3136	Formation of Junction Structures by Solid-State Diffusion Reprinted from Institute of Radio Engineers, New York. Proceedings <u>45</u> , 1049-61 (1958).	F. M. Smitz Same	11-58
Monograph 3142	Preventing Conductivity Fluctuations During Growth of A Semiconducting Crystal. Reprinted from Journal of Applied Physics <u>29</u> , 1238-40 (1958).	W. G. Pfann, J. N. Hobstetter, G. S. Indig Same	12-58

\*Microcard

- \*NP-6669      Organo-Metallic and Organo-Metalloidal High Temperature Lubricants and Related Materials. Progress Report for December 15, 1957 to March 31, 1958.      H. Gilman,  
B. J. Gaj,  
W. B. Hughes  
Iowa State Coll. Ames
- \*NP-6670      The Volumetric Determination of Thorium in High Grade Thorium Products Using a Spectrophotometric Titration.      R. J. Guest      12-17-57  
Canada. Dept. of Mines  
and Tech. Surveys. Mines  
Branch
- \*NP-tr-22      Rectification of Low Concentration Binary Mixtures, by K. Pohl. Trans. from Chemie-Ingenieur-Technik 28, 562-4 (1956).
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ANL-5961	Additions to the Library. Report for the Period December 16-31, 1958. Technical Reports and Books.	P. A. Schulze	
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UCRL-8559	Pion Production in Neutron-Proton Collisions at Bevatron. (Thesis.)	F. N. Holmquist	12-4-58
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UCRL-8581	Radiobiological Studies with Accelerated Heavy Ions.	C. A. Tobias, T. Brustad	11-58
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Mech. Eng.	UCID-600 (4320-53 M9)	Data Analysis Development - Development and Maintenance of MK III Measuring Projector - Rapid Reader Measuring Projector.	B. H. McCormick	1-5-59
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