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LIST OF REPORTS RECEIVED IN THE UCRL INFORMATION
DIVISION DURING THE MONTH OF JANUARY, 1951

February 2, 1951

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Reports Received from Argonne National Laboratory:				
ANL-4488	Quarterly Report. May, June, July 1950. Division of Biological and Medical Research	A. M. Brues	U	
ANL-4520	The Trinitratouranyl Complex in Ketonic Solvents	L. Kaplan et al.	U	10/18/50
ANL-4521	The Absorption Spectra of Uranyl Nitrate in Organic Solvents	L. Kaplan et al.	U	10/18/50
ANL-4535	Optimum Irradiation for Tritium Production	N. L. Krisberg	S	11/16/50
ANL-4536	The Coloration of Optical Materials by High Energy Radiations	G. S. Monk	OUO	7/31/50
ANL-4543	Summary Report. July, August and September 1950. Chemical Engineering Division	S. Lawroski C. E. Stevenson	S	11/30/50
ANL-4545	Summary Report. July, August and September 1950. Chemistry Division, Section C-I	W. M. Manning D. W. Osborne	S	12/11/50
ANL-4549	Quarterly Report. September 1 Through November 30, 1950. Reactor Engineering and Services Division	W. H. Zinn	S	12/29/50
ANL-4550	Summary Report. August, Sept., and Oct., 1950. Chemical Engineering Division, Tritium Process Development Group	N. R. Chellew	S	12/15/50
ANL-4551	Experimental Facilities Provided in the Materials Testing Reactor	R. Winkleblack	S	12/26/50
ANL-4556	Additions to the Library. Report for the Period December 15-31, 1950. AECU and AECD Documents and Books	P. A. Schulze	U	

Index Number	Title	Author	Classification	Date
ANL-4557	Quarterly Report. Sept., Oct., and Nov. 1950. Instrument Research and Development Division	F. R. Shonka	OUO	
ANL-4559	Neutron Producer (CP-6) Program. Technical Progress Letter. December 1950	S. McLain	S	12/29/50
ANL-4560	Supplement to Neutron Producer (CP-6) Program. Technical Progress Letter. December 1950	S. McLain	S	12/29/50
ANL-4562	Additions to the Library. Report for the Period January 1-14, 1951. AECU and AECD Documents and Books	P. A. Schulze	U	
<u>Reports Received from Atomic Energy Commission, Richland, Washington:</u>				
Misc-1951-3	Status of Materials Testing Irradiations. January 1, 1951		S	1/24/51
<u>Reports Received from Atomic Energy Commission, Washington, D. C.:</u>				
Misc-1950-154	Telephone Directory. U. S. Atomic Energy Commission, Washington, D. C.		U	9, 1 '50
<u>Reports Received from Battelle Memorial Institute:</u>				
BMI-P-34	Progress Report for Oct. 1950	H. W. Russell et al.	S	11/1/50
BMI-P-35	Progress Report for Nov. 1950	H. W. Russell et al.	S	12/1/50
BMI-T-43	The Brazing of Beryllium	H. A. Saller et al.	S	10/30/50
BMI-T-44	Aluminum Titanate as a Ceramic Material	W. J. Koch C. G. Harman	S	11/20/50
BMI-T-45	Dimensional Stability of Magnesium Oxychloride Cements and Concretes	M. J. Snyder et al.	S	7/50
BMI-T-47	The Properties of Zirconium Alloys Part I	M. C. Udy F. W. Boulger	S	11/17/50
BMI-T-51	The Use of Sodium Hydroxide as a Reactor Coolant	R. W. Dayton et al.	S	1/2/51
BMI-T-53	Chemistry of Liquid Fuels for Nuclear Reactors	L. H. Chase et al.	S	1/15/51

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<u>Reports Received from Brookhaven National Laboratory:</u>				
BNL-70	CO ₂ Assimilation Reactions in Biological Systems. June 7-8, 1950		U	12/50
BNL-78	Unit for Continuous Separation of U ²³³ from Thorium Fluoride	O. E. Dwyer	S	9/15/50
BNL-84	Guide to Russian Scientific Periodical Literature. Vol. 3, No. 10		U	10/50
BNL-88	Classified Progress Report of the Reactor Science and Engineering Dept. July 1 - Sept. 30, 1950		S	12/50
<u>Reports Received from California Research and Development Company:</u>				
LRL-4	Determination of Intensity Profile for Simple Precession	D. B. Willmer	S	10/10/50
LRL-5	Tubular Primary Target, Packed with Uranium Spheres, Water Cooled	P. J. Charley	S	10/20/50
LRL-6	Basic Considerations of Uranium for Mark II Target	H. W. Crandall	S	11/9/50
LRL-9	Steady State Unidirectional Heat Flow through a Flat Plate with Heat Being Generated Uniformly on One Surface	H. W. Crandall	OUO	
<u>Reports Received from Carbide and Carbon Chemicals Corporation:</u>				
HKF-109	Homogeneous Reactor for Subsonic Aircraft	K. Cohen	S	12/15/50
K-681	Electrochemical Preparation of Uranium Tetrafluoride. Part II. High Temperature Cell	R. W. Anderson et al.	S	12/22/50
K-703	Solubility and Reactions of Some Uranium Compounds in Organic Solvents	J. T. Barr C. A. Horton	C	1-15-51
K-707	The Preparation of Carbonyl Fluoride	A. V. Faloon W. B. Kenna	U	12/28/50
Y-673	Studies in the Carbonate-Uranium System Part I. Investigations in the Four Component System UO ₃ - Na ₂ O - CO ₂ - H ₂ O	C. A. Blake et al.	C	12/14/50

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Y-694	Investigation of Failure of Type 347 Stainless Steel Tank for Lithium	F. J. Lambert C. Coughlen	U	11/8/50
Y-696	Density of Hafnium and Zirconium Metals	F. P. Boody	U	11/16/50
Y-697	The Separation and Collection of U-236 by the Electromagnetic Process	H. W. Savage P. E. Wilkinson	S	11/30/50
Y-700	Preparation of Radioactive Methylene Blue from S ³⁵ Labeled Sodium Thiosulfate	H. R. Brenstein E. G. Struxness	S	12/13/50
Y-705	High Temperature Ion Source and Thermohm Development for Stable Isotope Production	P. E. Wilkinson G. D. Whitman	S	12/5/50
<u>Reports Received from General Electric Company:</u>				
HW-19096	The Reactions of Hexone in the Redox Process	B. R. Jones L. L. Burger	S	9/1/50
HW-19722	Oak Ridge Results on Highly Irradiated Hanford Uranium	P. F. Gast	S	12/15/50
HW-19739	Progress Report for November 1950 Chemical Research Section	O. F. Hill F. J. Leitz	S	12/18/50
HW-19802	Status of Hanford Requests as of December 31, 1950	R. E. Nather	S	1/1/51
KAPL-439	Reactor Materials. Progress Report. October and November 1950		S	12/22/50
KAPL-442	Extraction of Uranium and Plutonium from Nitric Acid Solutions with Pentaether-Butylether Mixtures	H. W. Alter et al.	S	12/28/50
KAPL-443	Tritium Project. Progress Report December 1950		S	1/3/51
KAPL-444	Summary Technical Progress Report No. 41 for December 1950	K. H. Kingdon	S	1/8/51
KAPL-448	Liquid Shields Containing Randomly Packed Pellets	H. H. Race	OUO	1/3/51
KAPL-449	A Miniature Mixer-Settler	H. W. Alter et al.	S	12/21/50

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KAPL-460	Metals Comparator Testing of Hanford Uranium Slugs	D. W. White	S	1/9/51
KAPL-P-243	Batch Countercurrent Extraction of Radioactive Solutions	W. O. Haas E. L. Zebroski	U	11/8/50
KAPL-P-450	Neutron Penetration and Slowing Down at Intermediate Distances through Medium and Heavy Nuclei	H. A. Bethe et al.	U	10/50
KAPL-P-451	Preparation of Ductile Vanadium by Calcium Reduction	R. K. McKechnie A. U. Seybolt	U	10/50
SO-2012	Eighth Quarterly Report (Progress Report Number 25) Fundamental Research in Physical Metallurgy	J. H. Hollomon D. Turnbull	U	1/5/51
<u>Reports Received from Library of Congress:</u>				
C4271-4340	Technical Information Pilot		C	12/6/50
Misc-1949-115	Technical Information Pilot Cumulative Index. January - December 1949		U	
Misc-1950-16	European Scientific Notes Vol. 4, No. 23		U	12/1/50
R3531-3600	Technical Information Pilot		R	12/4/50
U11471-11550	Technical Information Pilot		U	11/30/50
U11551-11630	Technical Information Pilot		U	12/6/50
U11631-11710	Technical Information Pilot		U	12/11/50
U11711-11790	Technical Information Pilot		U	12/4/50
U11791-11870	Technical Information Pilot		U	12/19/50
U11871-11953	Technical Information Pilot		U	12/26/50
U11954-12033	Technical Information Pilot		U	1/2/51
U12034-12113	Technical Information Pilot		U	1/4/51
<u>Reports Received from Los Alamos Scientific Laboratory:</u>				
LA-1129	The Use of Uranium as a Pump for Hydrogen	R. C. Cornelius S. E. Stephanou	U	7/7/50

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LAMS-1130	A New Design Vacuum Melting Furnace	J. M. Taub D. T. Doll	U	7/18/50
<u>Reports Received from Mound Laboratory:</u>				
MLM-515	Report for Liquid Waste Disposal Research. August 21 to Nov. 13, 1950	M. M. Haring	C	12/18/50
MLM-CF-51-1-3	Conference of December 4 and 5, 1950 at Mound Laboratory on Po ²⁰⁸	J. F. Eichelberger	S	12/20/50
<u>Reports Received from National Advisory Committee for Aeronautics:</u>				
NACA-ML-285	Monthly List of Documents Released by the NACA During December 1950		U	
NACA-TN-2200	A Study of Second-Order Supersonic-Flow Theory	M. D. Van Dyke	U	1/51
NACA-TN-2215	Compressibility Correction for Turning Angles of Axial-Flow Inlet Guide Vanes	S. Lieblein D. M. Sandercock	U	12/50
NACA-TN-2242	Analytical Investigation of Turbulent Flow in Smooth Tubes with Heat Transfer with Variable Fluid Properties for Prandtl Number of 1	R. G. Deissler	U	12/50
NACA-TN-2245	Calculation of Compressible Potential Flow Past Slender Bodies of Revolution by an Integral Method	M. M. Klein W. Perl	U	12/50
NACA-TN-2248	Analysis of the Effects of Design Pressure Ratio per Stage and Off-Design Efficiency on the Operating Range of Multistage Axial-Flow Compressors	M. Savage W. R. Westphal	U	12/50
NACA-TN-2252	Formulas for Source, Doublet, and Vortex Distributions in Supersonic Wing Theory	H. Lomax et al.	U	12/50
NACA-TN-2253	On a Source-Sink Method for the Solution of the Prandtl-Busemann Iteration Equations in Two-Dimensional Compressible Flow	K. C. Harder E. B. Klunker	U	12/50
NACA-TN-2254	Regenerator-Design Study and Its Applications to Turbine-Propeller Engines	S. V. Manson	U	1/51

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NACA-TN-2255	Two-Dimensional Compressible Flow in Centrifugal Compressors with Logarithmic-Spiral Blades	G. O. Ellis J. D. Stanitz	U	1/51
NACA-TN-2257	Temperature Distribution in Internally Heated Walls of Heat Exchangers Composed of Noncircular Flow Passages	E. R. G. Eckert G. M. Low	U	1/51
NACA-TN-2261	Wind-Tunnel Investigation of a Number of Total-Pressure Tubes at High Angles of Attack. Supersonic Speeds	W. Gracey et al.	U	1/51
NACA-TN-2262	Rolling and Yawing Moments for Swept-Back Wings in Side-Slip at Supersonic Speeds	S. Lampert	U	1/51
NACA-TN-2263	The Use of a Luminescent Lacquer for the Visual Indication of Boundary-Layer Transition	J. R. Stalder E. G. Slack	U	1/51
NACA-TN-2264	Airfoil Profiles for Minimum Pressure Drag at Supersonic Velocities - General Analysis with Application to Linearized Supersonic Flow	D. R. Chapman	U	1/51
NACA-TN-2269	A Structural-Efficiency Evaluation of Titanium at Normal and Elevated Temperatures	G. J. Geimerl P. F. Barrett	U	1/51
NACA-TN-2273	Similarity Laws for Transonic Flow About Wings of Finite Span	J. R. Spreiter	U	1/51

Reports Received from Naval Radiological Defense Laboratory:

AD-240(P)	Sources for Thermal Radiation Damage Study II. Preliminary Examination of an Industrial Furnace	R. I. Condit	R	8/25/50
AD-243(L)	Phenomenology of an Atomic Bomb Explosion in Air	R. I. Condit	R	8/31/50
AD-263(OP) Memorandum	Use of Primacord as a Zipper	R. I. Condit D. B. Moore	U	11/2/50
AD-266(B)	The Inability of Cysteine to Protect Erythropoietic Bone Marrow Against Irradiation Injury at a Dose Level of 800r	T. G. Hennessy F. B. Folsom	U	11/6/50

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AD-267(B)	The Inability of Glutathione to Protect Erythropoietic Bone Marrow Against Irradiation Injury at a Dose Level of 300 r	T. G. Hennessy et al.	U	11/6/50
<u>Reports Received from NEPA:</u>				
NEPA-1519	Beryllium Carbide	H. A. Dorfman	S	7/1/50
NEPA-1591	Preliminary Handling Tests of Liquid Lithium	R. Boggild	C	9/15/50
NEPA-1637	Report for the Month of November 1950 for NEPA Project from Battelle Memorial Institute		C	11/16/50
NEPA-1652	Progress Report on Materials Tested in Lithium	R. C. Anderson H. R. Stephan	C	8/50
<u>Reports Received from North American Aviation:</u>				
NAA-SR-90	A D ₂ O Natural Uranium Neutron Production Reactor	T. Fahrner	S	12/12/50
NAA-SR-98	Measurement of the Young's Modulus of Grade AUF Graphite at Elevated Temperatures	L. Green, Jr.	U	12/7/50
NAA-SR-106	The Isolation of Radiochemically Pure 2.6 Year Sodium from Deuteron Bombarded NaK Alloy	E. E. Motta K. Trego	U	12/4/50
<u>Reports Received from Oak Ridge National Laboratory:</u>				
CF-51-1-18	Letter to Mr. W. K. Davis, California Research and Development Co., Berkeley, California	R. B. Small	S	1/9/51
ORNL-742	The Recovery of Cs ¹³⁷ from ORNL Radiochemical Waste	A. T. Gresky	D	1/8/51
ORNL-772	The Corrosion of Beryllium in Simulated Cooling Water for the Materials Testing Reactor	J. L. English	S	1/23/51
ORNL-815	Recoil Reactions in the Chain Reacting Pile I. Production of High Specific Activity Bromine-82 by a Szilard-Chalmers Reaction with Solid KBrO ₃	G. E. Boyd et al.	U	1/23/51

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ORNL-840	Niobium Phosphate - A New Compound	R. B. Hahn	U	1/8/51
ORNL-864	Physics Division Quarterly Progress Report for Period Ending September 20, 1950	A. H. Snell E. O. Wollan	S	1/8/51
ORNL-865	Physics Division Quarterly Progress Report for Period Ending September 20, 1950	A. H. Snell E. O. Wollan	U	1/8/51
ORNL-867	Analytical Chemistry Division Quarterly Progress Report for Period Ending October 10, 1950	M. T. Kelley C. D. Susano	S	12/28/50
ORNL-882	Operations Division Monthly Report for Month Ending October 31, 1950	M. E. Ramsey	S	12/29/50
ORNL-888	Mathematics Panel Quarterly Progress Report for the Period Ending October 31, 1950	A. S. Householder	S	12/29/50
ORNL-889	Biology Division Quarterly Progress Report for Period Ending November 10, 1950	A. Hollaender	OUO	1/15/51
ORNL-895	Analysis of Lid Tank Neutron Data for Lead and Iron	S. Podger	S	1/23/51
ORNL-900	Operations Division Monthly Report for Month Ending November 30, 1950	M. E. Ramsey	S	12/29/50
ORNL-911	Fabrication of Uranium-Aluminum Alloys	D. E. Hemby	S	1/8/51
ORNL-920	Mercury Amalgam Bonding of Uranium and Copper. July 1950 to Nov. 1950	L. G. Glasgow	S	1/22/51
ORNL-923	Calorimetric Calibration of a Graphite Walled, Cavity-Type Ionization Chamber	G. H. Jenks et al.	C	1/23/51
ORNL-932	Studies on the Removal of Radioisotopes from Liquid Wastes by Coagulation	R. A. Lauderdale, Jr.	OUO	1/23/51
ORNL-934	Oak Ridge National Laboratory Status and Progress Report December 1950	W. E. Thompson	S	1/12/51

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Reports Received from Technical Information Division, Oak Ridge, Tennessee:				
AERE-G/M-55	A Cloud-Chamber Study of the β -Ray Spectrum of Holmium 166 and Thulium 170 (British)	G. F. Snelling E. W. Titterton	U	
AERE-PR-13	Atomic Energy Research Progress Review No. 13 (British)		R	7/49
AERE-T/R-560	Approximate Determination of Neutron Spectrum for the Case of $\frac{1}{v}$ - Absorption Cross-Section (British)	(Mrs.) M. E. Mandl	U	8/50
AERE-X/R-360	Plutonium Separation Part 12. Physical Data for the Primary Separation Plant (British)	W. D. Jamrack et al.	S	5/24/49
BMIC-7574	Review of Literature on Health Hazards of Beryllium and its Compounds (Bureau of Mines)	G. G. Morgis J. J. Forbes	U	7/50
C-103	On the Utilization of Thermal Neutrons	E. P. Wigner G. N. Plass	S	
C-104	Thermal Utilization for Rods	R. F. Christy A. T. Monk	S	
C-161	Utilization of Thermal Neutrons in Plates	A. M. Weinberg	S	7/1/42
CRE-449	Isotopic Analysis of Deuterium Oxide by Density Determinations (Canadian)	I. A. W. Morrison et al.	U	9/49
CREL-453	The Detection of Alpha Contamination with Scintillation Counters (Canadian)	G. Cowper	U	7/50
CREL-454	The Detection of Radioactivity with Scintillation Counters (Canadian)	G. Cowper	U	7/50
CRL/AE-58	A Comparison of Cellulose Pulps for Purification of Uranium by Chromatographic Methods (British)	B. Blunt et al.	S	4/50
CRL/AE-60	The Analysis of Mixtures Containing Tantalum by Measurement of Radioactivity Produced by Neutron Irradiation (British)	J. V. P. Long	U	5/50

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CRL/AE-62	The Determination of Total Tantalum and Niobium in Minerals and Ores by Solvent Extraction in the Presence of Activated Cellulose (British)	G. A. Wood	U	7/50
CRL/AE-64	Factors Influencing the Extraction of Uranium from Minerals and Ores. Part 4. A Study of the Solution of Some Uranium Compounds in Sodium Carbonate Solution (British)	P. McGlone	S	8/50
DR-14	Interim Memorandum on Uranium Metal for the NRX Reactor and Future Systems (Canadian)	W. B. Lewis	S	3/15/50
ETL-23	Refractories for Atomic Power Production (Bureau of Mines)	K. G. Skinner et al.	R	5-6/50
HW-12862	H. W. Laboratory Manual: 100 Area Section		R	7/1/50
ISC-48	Thorium Alloys; The Thorium-Bismuth System (Iowa State College)	H. B. Johnson	S	7/12/50
ISC-91	Synthesis of New Organic Analytical Reagents (Iowa State)	R. N. Kinsey	U	12/12/49
ISC-97	The Use of Ammonium Bifluoride in the Preparation of Fluorides from Oxides (Iowa State)	J. R. Long	S	8/21/48
ISC-98	On the Ionization Yields of Fission Fragments (Iowa State)	R. B. Leachman	U	1/12/51
ISC-114	The Role of Halide Ions in the Ferric-Stannous Reaction (Iowa State)	F. R. Duke R. C. Pinkerton	U	9/12/50
M-4308	Portable Alpha-Beta-Gamma Meter; Final Report (Sylvania Electric)		U	6/30/50
M-4476	An Up-To-Date Review of the Principles of Heat Transfer with Particular Application to Nuclear Power (Gibbs & Cox, Inc.)	C. F. Bonilla	U	1949
Misc-1950-2 Number 14	Foreign Documents Division Consolidated Translation Survey. November 1950		S	12/26/50

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Misc-1950-46	National Defense Review Vol. 7, No. 6		R	12/31/50
MIT-1052 (Part I) (Part II)	M.I.T. Metallurgical Project Technical Progress Report for the Period April through June 1950	A. R. Kaufmann	S	9/8/50
MLM-405-1 (Deleted)	Quarterly Report for General Research. October, November, December 1949 (Mound Lab.)	M. M. Haring	S	1/1/50
MLM-443-1	Quarterly Report for General Re- search. January, February, March, 1950 (Mound Lab.)	M. M. Haring	S	4/1/50
MLM-467 (Rev)	Four Unit Plating Controls, PC-4 and PC-5 (Mound Lab.)	J. W. Heyd et al.	U	8/1/49
MLM-471-1	Quarterly Report for Biological Research. April, May, June 1950 (Mound Lab.)	M. M. Haring	S	7/1/50
MLM-471-2	Quarterly Report for Biological Research. April, May, June 1950 (Mound)	M. M. Haring	S	7/1/50
MLM-478 (Deleted)	Report for General Research. April 1 to July 10, 1950 (Mound)	M. M. Haring	S	8/14/50
MLM-484-1	Report for General Research. April 1 to August 7, 1950 (Polon- ium Volume) (Mound Lab.)	M. M. Haring	S	9/11/50
MLM-484-2	Report for General Research April 1 to August 7, 1950 (Polon- ium Volume) (Mound Lab.)	M. M. Haring	S	9/11/50
MLM-493	Report for Biological Research. June 19 to September 5, 1950 (Mound Lab.)	M. M. Haring	S	10/9/50
Mont-191	Development of a Method for Hand- ling Ion-Exchange Resins in a Slurry Column. Report for Period of Jan. 1 - Aug. 15, 1946 (Clinton Lab.)	G. P. Monet	S	
NEPA-1276	Progress Report No. 17. December 16 - January 15, 1950 (Metal Hydrides)	T. R. P. Gibb, Jr.	C	1/16/50

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NEPA-1511	Summary Report on Stress Rupture and Creep Testing of Coated and Uncoated Graphite and Beryllium Barbide at Elevated Temperatures (Nat'l Bureau of Standards)	B. Zweig M. D. Burdick	U	7/24/50
NP-1657	The Diffusive Properties of the Lower Atmosphere (British)	K. L. Calder	R	11/48
NP-1788	Heat Transfer Properties of Liquid Metals (British)	L. M. Trefethen	U	7/1/50
NP-2051	Radioactivity Induced by Neutron Bombardment (1) X (Italian)	E. Amaldi et al.	U	1935
NR-24	Preparation of Ductile Zirconium; Final Report. Dec. 30, 1948 through May 20, 1950 (Nat'l Research Corp.)	W. O. DiPietro et al.	R	9/20/50
NRC-1838	The Emission of L Radiation in the Disintegration of ThC and RaD (Canadian)	B. B. Kinsey	U	11/48
NRC-1841	The Emission of L Radiation Following Internal Conversion of γ -Radiation in Heavy Elements (Canadian)	B. B. Kinsey	U	11/48
NRL-R-3305	Development of Electron Tube for Switching Radio Frequency Power	W. H. Flarity	C	6/23/48
NYO-634	Straight Ahead γ -Penetration with Constant Mean Free Path and Two Approximate Scattering Functions (Nuclear Development Ass., Inc.)	L. R. Solon	U	10/20/50
NYO-750	Progress Report for July 1, 1950 - October 1, 1950 (Univ. of Pittsburgh)	W. E. Wallace E. E. Ketchen	U	10/9/50
NYO-1022	The Removal of Gaseous Embrittlement from Zirconium. Final report. June 27, 1949 to Aug. 9, 1950 (Westinghouse Electric)	W. C. Lilliendahl D. M. Wroughton	OUO	10/27/50
NYO-1028	The Production of Zirconium by Fused Salt Electrolysis (Horizons, Inc.)	M. E. Sibert et al.	OUO	4/31/50
NYO-1088	Low-Hafnium Zirconium Project, Distillation Process for March 1, 1949 to May 15, 1950 (Foote Mineral Co.)	S. C. Ogburn, Jr. H. M. Fisher	C	8/18/50

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NYO-1534	Some Techniques and Equipment for Trace Quantity Sampling of Industrial Aerosols (Health & Safety Div. of N. Y. Operations Office)	W. B. Harris H. D. Levine	U	11/29/50
PR-B-HR-7	Progress Report. April - August 1950. Biology and Health Radiation Sub-Division (Canadian)		S	
PR-C.E.-7	Progress Report. April - August 1950. Chemistry and Engineering Sub-Division (Canadian)	W. B. Lewis	S	
PR-IO-7B	Progress Report. May 16 - Aug. 15, 1950. Industrial Operations Sub-Division (Canadian)	W. B. Lewis	S	
PR-IO-8	Progress Report. Aug. 16 - Oct. 15, 1950. Industrial Operations Sub-Division (Canadian)		S	
PR-P-7-GP	Progress Report of General Physics Branch, April -- August 1950 (Canadian)	H. Carmichael	S	
PR-P-8-E	Progress Report. Sept. - Nov. 1950. Electronics Branch Section (Canadian)	G. Cowper	OUO	
PR-P-8-GP	Progress Report. Sept. - Nov. 1950. General Physics Section (Canadian)	H. Carmichael	S	
PSC-2	Studies on the Zirconium Derivatives of β -Diketones (Pa. State College)	F. A. Snavely W. C. Fernelius	U	7/50
R-180(RAND)	Long-Range Surface-To-Surface Rocket and Ramjet Missiles. Propulsion and Fuels	S. L. Gendler et al.	S	5/1/50
RMO-563	Mineralogy of Uranium and Thorium Bearing Minerals (Raw Materials, Operations Office)	D. George	U	1/49
SEP-39	High-Density Uranium by Hot-Pressing of Metal Powder (Sylvania Electric Products)	H. H. Hausner N. P. Pinto	S	11/17/50
TID-196	Abstracts of Classified Reports Vol. 6, No. 22		S	11/30/50

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TID-197	Abstracts of Classified Reports Vol. 6, No. 23		S	12/15/50
TID-380	Report of Visit of Canadian and United Kingdom Scientists to Ar- gonne National Laboratory Under the Technical Cooperation Pro- gram, July 19, 1950	O. C. Simpson	S	7/25/50
TID-381	Report of Visit of United King- dom Scientists to Oak Ridge National Laboratory under the Technical Cooperation Program, June 22 and 23, 1950	J. W. Ruch	S	7/17/50
TID-382	Report of Visit of Canadian and United Kingdom Scientists to Oak Ridge National Laboratory under the Technical Cooperation Program, July 14, 1950	J. W. Ruch	C	8/2/50
TID-387	Visit of the United Kingdom Ana- lytical Team to the New Brunswick Laboratory July 14 and 15, 1950	C. J. Rodden	C	9/12/50
TID-389 (Rev.)	Nuclear Breeding; A Literature Search	R. L. Shannon	S	11/50
TID-390 (Rev.)	Uranium 233, A Literature Search	R. L. Shannon	S	11/50
TID-393	A Selected Bibliography on Ana- lytical Counting and Monitoring Techniques in Radioactive Waste Processing Compiled for the Atomic Energy Commission Waste Processing Committee	R. L. Shannon	S	1/5/51
TPI-60	Notes on Xenon Poisoning in NRX Pile (Canadian)	W. H. Watson	S	8/23/50
UAC-7	Uranium and Uranium Alloys (British)	G. V. Raynor	S	1/5/49
XM-36	The Use of Periodic Acid in the Removal of Ruthenium from Dis- solver Solutions (Canadian)	W. H. Hardwick et al.	S	1/31/50
XM-37	The Determination of Fission Pro- duct Ruthenium Using an Alkaline Fusion Method (Canadian)	G. A. Welch et al.	S	3/16/50

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<u>Reports Received from Department of Engineering, University of California, Berkeley, Calif</u>				
COO-40	Research Creep of Alloys. Technical Progress Report to Jan. 1, 1951	E. R. Parker T. H. Hazlett	U	1/50
<u>Reports Received from University of California at Los Angeles:</u>				
UCLA-102	The Effect of Histamine and Antihistaminics on the Coagulation of Normal Heparinized Rabbit Plasma	T. J. Haley F. Stolarsky	U	12/21/50
UCLA-104 Part I & Part II	Quarterly Progress Report for Period Ending December 31, 1950	S. L. Warren	C	1/18/51
UCLA-105	Molecular Weights from Streaming Birefringence	M. D. Schoenberg	U	1/25/51
UCLA-106	Synthesis of <u>Trans</u> -5-Octenoic Acid	D. R. Howton R. H. Davis	U	1/26/51
<u>Reports Received from University of Rochester:</u>				
UR-145	The Activation of Latent Bartonellosis in the Rat Following Intravenous Administration of Polonium	M. Carr et al.	C	11/29/50
UR-146	The Effect of Aureomycin on the Radiation Syndrome in Dogs	F. W. Furth M. P. Coulter	U	12/15/50
<u>Reports Received from Westinghouse Electric Corporation:</u>				
WAPD-MR-11 (Modified)	Monthly Technical Progress Report. Westinghouse Atomic Power Division. Naval Reactor Program		S	11/50
WAPD-13	Solutions of the Pile Kinetic Equations When the Reactivity is a Linear Function of the Time	S. Wallach	OUO	11/30/50
<u>Reports Received from Miscellaneous Sources:</u>				
AIP/45:PR-16	Study of Physics Abstracting Final Report (Am. Inst. of Physics)	D. E. Gray	U	6/30/50
CUD-61	Progress Report. Nuclear Physics Lab. First Quarterly Progress Report for the Fiscal Year 1950-51 to the U.S. AEC (Columbia Univ.)	J. R. Dunning W. W. Havens, Jr.	U	9/30/50

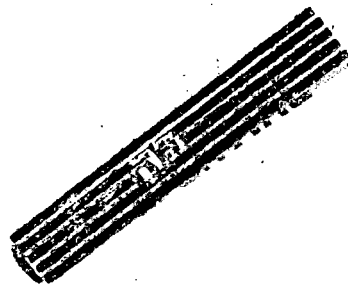
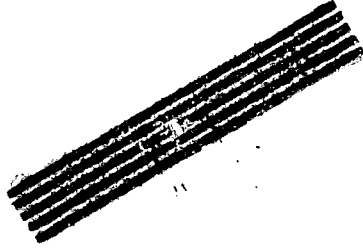
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KLX-1321	Second Quarterly Progress Report. Aug. 1 - Oct. 31, 1950. Magnetic Induction Flowmeter Development (Kellex Corp.)		C	12/21/50
LA-38	The Production of Slow Neutrons in a Carbon Block (Los Alamos)	C. Richman et al.	S	11/17/43
Misc-1945-11	Russian Translations A New Method for Acceleration of Relativistic Particles	V. I. Veksler	U	1944
	On a New Method of Acceleration of Relativistic Particles			1944
	A New Method of Acceleration of Relativistic Particles			1945
Misc-1950-29	A Catalog of OSRD Reports Div. 4, Ordnance Accessories	S. E. Weiss E. C. McCue	U	11/50
Misc-1950-153	Effect of Weak Magnetic Fields on Microwave Propagation (Catholic Univ. of America)	S. Reed, Jr.	U	7/31/50
Misc-1951-1	Technical Data Digest (CADO) Vol. 16, No. 1		U	1/51
Misc-1951-3 12-1-50	Status of Materials Testing Irradiations as of Dec. 1, 1950		S	12/21/50
MIT-ELEC- Tech.Rep.121	Area Displays of the Electrical Activity of the Heart	S. Goldman et al.	U	11/15/50
MIT-ELEC- Tech.Rep.172	The Quantum Theory of Antiferromagnetism	R. J. Harrison	U	8/31/50
MIT-ELEC- Tech.Rep.176	A New "Double Resonance" Method for the Investigation of Atomic and Nuclear Moments. Part I. Theory of Effects of Mercury Vapor	F. Bitter J. Brossel	U	9/12/50
MIT-ELEC- Tech.Rep.177	Centrifugal Distortion in Asymmetric Top Molecules I. Ordinary Formaldehyde, H ₂ C ¹² O	R. B. Lawrence M. W. P. Strandberg	U	10/3/50
NP-1836	Preparation of Single Crystals of Beryllium and Zirconium: Study of Mechanical Properties. Quarterly Report 7-1-50 to 9-30-50. (Univ. of Pennsylvania)	R. M. Brick et al.	U	

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NP-1851	Monthly Research Report December 1950 (Office of Naval Research)		C	
NP-1856	A Generalized Theory of the Crystal Transmitter and Receiver for Plane Waves (Wesleyan Univ.)	W. G. Cady	U	11/20/50
NP-1864	An Analog Device for Solving the Approximation Problem of Network Synthesis (MIT)	R. E. Scott	U	6/8/50
NP-1865	A New Method of Estimating Pre-oscillation Noise in a Pulsed Oscillator (Magnetron) (MIT)	E. E. David, Jr.	U	8/30/50
NP-1889	Particle and Quantum Detectors Preliminary Report No. 7 (National Research Council)	R. R. Wilson et al.	U	1/50
NP-1900	A Comparison of the Effects of Test Able Atomic Bomb Ionizing Radiation and X-Rays on Seeds of Barley, Wheat and Oats	L. Smith	U	
NP-1901	Chromosome Irregularities Found in Cotton Plants Grown from Seeds Exposed to Gamma Radiation at Bikini	M. S. Brown	U	
NP-1902	The Hemorrhagic Syndrome of Acute Ionizing Radiation Illness Produced in Goats and Swine by Exposure to the Atomic Bomb at Bikini, 1946	E. P. Cronkite	U	10/7/48
NP-1903	Aberrations Found in the Progenies of Plants Grown from Irradiated Cotton Seed	M. S. Brown	U	
NP-1904	Mutations Produced by Atomic Bomb Irradiation of Neurospora Crassa	C. E. Wagner G. W. Beadle	U	3/7/49
NYO-572	The Thermodynamic Properties of Liquid Ternary Cadmium Solutions (MIT)	J. F. Elliott J. Chipman	U	
NYO-761	Progress Report 2. Sept. 16 - Dec. 15, 1950. Corrosion Investigations (Am. Smelting & Refining)	J. L. Everhart E. L. Van Nuis	U	9/29/50
NYO-835	The Corrosion of Zirconium. First Quarterly Report. (Pa. State College)	H. J. Read	U	12/31/50

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<u>MDDC and AECD Documents Received:</u>		
2287	General Equipment and Techniques;	D. Kerst et al.
2432	Blood Changes in Humans Following Total Body Irradiation	J. J. Nickson
2560	The Coseparation of Aqueous Fluozirconate Ion with Solid Lanthanum Fluoride	H. Gest et al.
2807	Monte Carlo Methods for Shield Computation	G. Goertzel H. Kahn
2888	Biological Monitoring of the Laboratory Area by Analyses of Rodents and Other Forms of Wildlife	K. E. Herde
2903	The Potential of the Pu(III)-Pu(IV) Couple; the Hydrolysis Constant of Pu(IV)	S. W. Rabideau J. F. Lemons
2909	Behavior of Stack Gases in Still Air; Progress Report; June 1943 to March 15, 1944. Engineering Development Section	A. F. Rupp
2914	Some Properties of Sodium Borohydride Solutions	E. D. Marshall R. A. Widing
2924	Spectrographic Analysis for Hafnium in Zirconium Oxide	D. D. Smith E. J. Spitzer
2946	The First Isolation of Americium in the Form of Pure Compounds; The Specific Alpha-Activity and Half-Life of Am ²⁴¹	B. B. Cunningham L. B. Asprey
2947	Spectrochemical Analysis of Zirconium Oxide	D. D. Smith E. J. Spitzer
2954	Studies on the Uranium-Oxygen System	H. R. Hoekstra J. J. Katz
2958	Temperature Rise Under a Rib	W. Karush G. Young
2959	Flow of Heat into Coating Through a Narrow Strip	W. Karush G. Young
2960	On Thermal Stresses, Strains, and Warping	F. H. Murray G. Young

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2962	The Effect of Drawing Off Heat on One Side of a Corner	W. Karush
2963	Temperature Rise Under Uncooled Areas of Thin Plates	W. Karush
2965	Thermal Conductivity of a Semi-Infinite Slab When the Flow to and from the Slab Crosses the Surface Near the Edge	F. H. Murray
2993	The New Isotope Pu ²⁴² , and Additional Information on Other Plutonium Isotopes	S. G. Thompson et al.
2998	The Determination of Tritium and Carbon-14 in Organic Compounds	K. E. Wilzbach A. VanDyken
2999	The Recovery of Cs ¹³⁷ from ORNL Radiochemical Waste	A. T. Gresky
3000	Estimation of Self-Absorption in Neutron-Irradiated Piles	R. Keyes
3001	Heat Testing of High-Density Concrete	C. R. Binner et al.
3006	Topical Report on the Direct Micro Determination of Uranium Using a Modified Fluorophotometer	E. J. Center
<u>AECU Documents Received:</u>		
671	Calcium Exchange as the Mechanism for Adsorption of the Radioactive Isotope by Bone	W. F. Neuman et al.
835	Micro Syntheses with Tracer Elements; XVII. The Synthesis of Oxalic and Glyoxylic Acids Labeled with C ¹⁴	C. W. Bills A. R. Ronzio
917	Diamond Conduction Counters	R. K. Willardson
1006	Quantitative Separation of Americium and Plutonium Using Cupferron	J. P. Nigon R. A. Penneman
1029	A Process for Hot Pressing Beryllium Powder	A. U. Seybolt et al.

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