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ACCO-7	Preliminary Report on Recovery of Uranium from Low Grade Belgian Congo Ores	J. J. Brunner et al.	S	10/5/51
<u>Reports Received from Argonne National Laboratory:</u>				
ANL-4581	Quarterly Report October, November, and December, 1950. Metallurgy Division	F. G. Foote J. F. Schumar	S	12/31/50
ANL-4641	Quarterly Report March 1, 1951 through May 31, 1951. Naval Reactor Division	H. Etherington	S	6/15/51
ANL-4665	Supplement to the Quarterly Report April, 1951 through June, 1951. Neutron Producer (CP-6) Reactor	Members of the Technical Divi- sions S. McLain	S	7/19/51
ANL-4666	A Progress Report of Clinical Studies on Twenty-Four Patients by the Radium Toxicity Group Division of Biological and Medical Research	W. B. Looney	U	7/51
ANL-4675	Summary Report April, May, and June, 1951. Chemical Engineering Division	S. Lawroski C. E. Stevenson	S	7/30/51
ANL-4686	Summary Report. April, May, and June, 1951. Chemistry Division Section C-I	D. W. Osborne	S	8/1/51
ANL-4691	Summary Report May, June, and July, 1951. Chemical Engineering Division. Tritium Process Development Group	A. Glassner	S	9/7/51

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ANL-4695	Additions to the Library Report for the Period September 1 - 14, 1951. AECU and AECD Documents and Books	P. A. Schulze	U	
ANL-4697	Supplement to Neutron Producer (CP-6) Program. Technical Progress Letter July - August, 1951	Members of the Technical Divisions S. McLain	S	9/20/51
ANL-4700	Additions to the Library Report for the Period September 15 - 30, 1951. AECU and AECD Documents and Books	P. A. Schulze	U	
ANL-4701	Argonne National Laboratory Monthly Progress Report. October, 1951. Report of the work of the Biological and Medical Research, Radiological Physics, and Health Services Divisions for the Quarterly Period ending September 30, 1951	Information Division	O	
ANL-4704	Supplement to Neutron Producer (CP-6) Program Technical Progress Letter, September, 1951	Members of the Technical Divisions S. McLain	S	10/5/51
ANL-4708	Additions to the Library Report for the Period October 1 - 14, 1951. AECU and AECD Documents and Books	P. A. Schulze	U	

Reports Received from Atomic Energy Commission, Washington, D. C.:

M-3679	Standard Distribution Lists for United States Atomic Energy Commission Research and Development Reports. Ninth Edition		S	10/15/51
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Misc-1951-119	Handling Radioactive Wastes in the Atomic Energy Program. Revised August, 1951		U	
<u>Reports Received from Battelle Memorial Institute:</u>				
BMI-89	The Properties of Thorium Alloys	M. C. Udy F. W. Boulger	S	9/15/51
BMI-90	Progress Report for the Month of August, 1951	H. W. Russell et al.	S	9/1/51
BMI-JDS-224	Adsorption of Uranyl Salts from Acidic Solutions by Activated Charcoal; Topical Report	R. L. Belcher	S	1/31/50
BMI-T-46	The Self Welding of Beryllium	H. A. Saller et al.	S	9/17/51
<u>Reports Received from Brookhaven National Laboratory:</u>				
BNL-114(L-88)	Guide to Russian Scientific Periodical Literature. Vol. 4, No. 7. July, 1951	J. Turkevich L. Turkevich	U	
BNL-119(T-25)	The Integrity of the Biological Shield of the Brookhaven Reactor	W. C. Reinig S. J. Harris	U	5/15/51
BNL-121(T-24)	Progress Report on Waste Concentration Studies. V. Engineering Results on the BNL Semi-Works Vapor Filtration Vapor Compression Evaporator	H. V. Horrigan H. M. Fried	U	8/15/51
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<u>Reports Received from California Research and Development:</u>				
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HKF-112	Circulating Moderator-Coolant Reactor for Subsonic Aircraft	K. Cohen	S	8/29/51
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Y-794	Studies in the Carbonate-Uranium System. Part III. Spectrophotometric Investigation of the Carbonate-Uranyl Complexes	C. A. Blake et al.	S	8/20/51
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Y-811	Y-12 Alkali and Liquid Metals Safety Committee	P. L. Hill	U	8/13/51
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<u>Reports Received from Dow Chemical Company:</u>				
DOW-62	September Progress Report. The Recovery of Uranium from Industrial Phosphoric Acid	R. H. Bailes	S	9/28/51
<u>Reports Received from General Electric Company:</u>				

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HW-20941	Absorption of Plutonium Fed Chronically to Rats. Part I. Effect of Sex on Fraction Absorbed after High Dosage Levels	J. Katz et al.	U	3/13/51
HW-20999	The Second Annual Report of the Botany Field Station	J. F. Cline J. W. Porter	U	5/1/51
HW-21868	Plutonium Metabolism. A Literature Review	J. Katz	O	1/2/51
HW-21930	Pile Graphite Sampling Production Tests. Pile Graphite Expansion. Interim Report No. 2. Production Test 105-373-P, Including Supplements A, B, C, and Production Test 105-443-P	E. P. Warekois	S	8/1/51
HW-22145	Technical Activities Report Graphite Studies	L. P. Bupp	S	9/4/51
HW-22308	Status of Hanford Requests as of September 30, 1951	R. E. Nather	S	9/30/51
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KAPL-583	Reactor Physics. Progress Report May, June, July, 1951	Members of KAPL Staff	S	10/2/51
KAPL-584, Vol. I	Separations Processes. Volume I. Progress Report May, June, July, 1951	Members of KAPL Staff	S	10/17/51
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KAPL-596	Reactor Materials. Progress Report. June, July, August, 1951	Members of KAPL Staff	S	10/20/51

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KAPL-604	Waste Disposal. Progress Report June, July, August, 1951	Members of KAPL Staff	O	10/5/51
KAPL-607	Summary Technical Progress Report No. 50 for September, 1951	K. H. Kingdon	S	10/3/51
KAPL-608	Tritium Project	Members of KAPL Staff	S	9/51
KAPL-609	An Improved Miniature Mixer-Settler	E. L. Zebroski et al.	S	9/10/51
KAPL-610	A Report on the Development and Operation of a Pilot Incinerator for Contaminated Combustible Solid Wastes	F. N. Schell	O	10/1/51
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Misc-1951-8	Knolls Atomic Power Laboratory Organization Chart		U	9/1/51
SO-2017	The Construction and Operation of a High-Temperature Calorimeter	R. A. Oriani	U	9/51
SO-2018	Fundamental Research in Physical Metallurgy. Eleventh Quarterly Report (Progress Report No. 28)	J. H. Holloman D. Turnbull	U	10/5/51
SO-2503	Development of Zirconium Base Alloys. Eighth Quarterly Report (Progress Report Number 9)	J. H. Keeler	U	10/5/51
<u>Reports Received from Iowa State College:</u>				
ISC-170	Production of Pure Thorium and Uranium Compounds by the Acid Dissolution of Monazite Sand	G. L. Bridger et al.	S	9/21/51

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ISC-175	Progress Report in Physics for the Period January 1, 1951 to June 30, 1951	G. W. Fox et al.	U	9/17/51
<u>Reports Received from Kellex Corporation:</u>				
KLX-1355	Project Status Report Mass Spectrometer Development. Job 24-B2	P. A. Stowell	C	8/20/51
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LA-1296	Large Scale Tritium Purification at Los Alamos	B. B. McInteer	S	8/15/51
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MM-594	Report for Biological Research March 19, 1951 to June 18, 1951		S	7/23/51
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NACA-Abstracts-8	Research Abstracts. No. 8. October 1, 1951		U	
NACA-Abstracts-9	Research Abstracts. No. 9. October 15, 1951		U	
NACA-RM-E51D12	Preliminary Study of Circulation in an Apparatus Suitable for Determining Corrosive Effects of Hot Flowing Liquids	L. G. Desmon D. R. Mosher	R	6/51
NACA-TM-1314	On the Turbulent Friction Layer for Rising Pressure	K. Wieghardt W. Tillmann	U	10/51
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NACA-TN-2448	X-Ray Diffraction by Bent Crystal Lamellae	H. Ekstein	U	9/51
NACA-TN-2449	Investigation of Influence of Chemical Composition on Forged Modified et al. Low-Carbon N-155 Alloys in Solution-Treated and Aged Condition as Related to Rupture Properties at 1200°F	E. E. Reynolds	U	9/51
NACA-TN-2463	Experimental Investigation of the Pressure Distribution about a Yawed Circular Cylinder in the Critical Reynolds Number Range	W. J. Bursnall L. K. Loftin, Jr.	U	9/51

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NACA-TN-2469	Rupture Properties of Low-Carbon N-155 Type Alloys Made with a Columbium-Tantalum Ferro-Alloy	J. W. Freeman et al.	U	10/51
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NACA-TN-2517	An Investigation of Aircraft Heaters. XXXVII. Experimental Determination of Thermal and Hydrodynamical Behavior of Air Flowing along a Flat Plate Containing Turbulence Promoters	L. M. K. Boelter et al.	U	10/51
NACA-TN-2520	Effects of Pressure-Rake Design Parameters on Static-Pressure Measurement for Rakes Used in Subsonic Free Jets	L. N. Krause	U	10/51

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Misc-1951-123	Asphyxia in Naval Operations. Lecture and Review Series No. 51-8	C. F. Behrens	U	6/12/51
	The Diagnosis, Prognosis, and Treatment of Radiation Injuries. Lecture and Review Series No. 51-5	E. P. Cronkite	U	2/19/51
NM 000 018.06 .03	On "High Energy Phosphate Bonds" of Biochemical Interest	T. L. Hill M. F. Morales	U	7/28/51
NM 001.056.06 .02	Lysergic Acid Diethyl Amide (LSD-25). A Clinical Study	C. Savage	U	9/9/51
NM 005 048.06 .03	The Effect of Antibiotics and Metabolites on the Immunity of Mosquitoes to Malarial Infection	L. A. Terzian et al.	U	8/14/51
<u>Reports Received from Naval Radiological Defense Laboratory:</u>				
AD-236(Z)	Operational Feasibility of Decontaminating Materials Exposed to Atomic Warfare I. Background and General Principles	N. E. Ballou	U	8/15/50
AD-238(H)	Radium Hazard in a Military Aircraft Instrument Shop	R. K. Skow et al.	U	6/18/51
AD-328(C)	Industrial Films and Radioactive Contamination	W. E. Shelberg L. B. Werner	U	7/9/51
<u>Reports Received from North American Aviation, Inc.:</u>				
NAA-SR-76	Changes in the Hall and Magneto-Resistivity Coefficients during Puls-Annealing of Irradiated Graphite	W. P. Eatherly	C	9/25/51
NAA-SR-137	Natural Uranium Reactors for the Production of Plutonium and Useful Power	T. Fahrner et al.	S	9/26/51

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NAA-SR-140	A Measurement of the Neutron Temperature in a Natural Uranium-D ₂ O Lattice	A. T. Biehl E. R. Cohen	S	9/25/51
NAA-SR-141	The Thermodynamic Properties of Sodium Vapor	T. H. Inatomi A. Benton	U	10/8/51
NAA-SR-143	A Study of the Annealing Kinetics of Cold-Worked Copper	D. Bowen et al.	U	10/9/51
NAA-SR-148	A Measurement of the Neutron Temperature Effect Using Europium Oxide Foils	A. T. Biehl et al.	S	9/25/51
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NAA-SR-151	Tensile Strength of Uranium Impregnated Graphite	A. E. Miller C. R. Malmstrom	S	9/14/51
NAA-SR-152	Preliminary Considerations of the Feasibility of an Auxiliary Power Plant to be Operated from Radio-Active Fission Products	R. A. Laubenstein	C	10/3/51

Reports Received from Oak Ridge National Laboratory:

ANP-65	Aircraft Nuclear Propulsion Project Quarterly Progress Report for Period Ending June 10, 1951	W. B. Cottrell	S	9/13/51
CF-51-8-71	Reactor Design and Feasibility Problems. Tritium Producer	W. E. Edwards et al.	S	8/6/51
CF-51-8-260	Minutes of Joint Meeting Held at Oak Ridge National Laboratory on July 30-31, 1951	R. A. Charpie	S	
ORNL-989	Biology Division Quarterly Progress Report for Period Ending August 10, 1951	E. J. Slaughter	O	10/26/51
ORNL-1009	Heat Reactivation of Ultraviolet-Inactivated Bacteria	E. H. Anderson	U	10/3/51

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ORNL-1033	Metallurgy Division Quarterly Progress Report for Period Ending April 30, 1951	E. C. Miller W. H. Bridges	S	10/23/51
ORNL-1053	Chemistry Division Quarterly Progress Report for Period Ending March 31, 1951		S	10/5/51
ORNL-1057	Homogeneous Reactor Project Quarterly Progress Report for Period Ending May 15, 1951	W. E. Thompson	S	10/10/51
ORNL-1061	Chemical Technology Division Quarterly Progress Report for Period Ending May 20, 1951	W. K. Eister	S	9/24/51
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ORNL-1069	Physical Behavior of the H ₂ -O ₂ H ₂ O System under Pressure	J. M. Smith D. L. Katz	U	9/24/51
ORNL-1075	An Experimental Determination of Fission Product Heating after Shutdown of the Low Intensity Training Reactor	S. E. Beall	S	9/25/51
ORNL-1084	The Nomenclature of Organic Compounds Containing Isotopic Carbon	C. J. Collins et al.	U	10/1/51
ORNL-1087	Heat Capacity of Molybdenum	T. A. Redfield	U	9/24/51
ORNL-1088	Analytical Chemistry Division Quarterly Progress Report for Period Ending March 26, 1951		S	10/8/51
ORNL-1097	Tables of Coefficients for Internal Conversion Angular Correlation	M. E. Rose et al.	U	9/20/51
ORNL-1102	On the Theory of Inner Bremsstrahlung in β -Process	J. M. Jauch	U	9/24/51
ORNL-1123	Oak Ridge National Laboratory Status and Progress Report. September, 1951	W. E. Thompson	S	10/5/51

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Reports Received from Technical Information Service, Oak Ridge, Tennessee:				
BBC-56	Studies of the Production of Beryllium, Zirconium and Uranium Powders and their Fabrication by Powder Metallurgy. Final Technical Report (Brush Beryllium Co.)	W. W. Beaver et al.	S	6/28/51
BR-241	Neutrons from Spontaneous Fission (British)	J. Rotblat	D	4/26/51
CF-49-7-240	Calculation of Pile Coolant Activities; a Routine Method (Oak Ridge National Laboratory)	M. Monet	S	12/46
CF-50-6-162	Gas Evolution in a Homogeneous Pile	F. P. Pike	S	6/26/50
CF-50-7-40	Correlation of Extraction Column Data Published by Hanford	F. P. Pike J. I. Stevens	S	7/7/50
(H)CF-3213	Calculation of Changes in Specific Activity of Plutonium as a Function of Neutron Exposure of Pile Uranium. The Half Life of Pu ²⁴⁰ (HEW Technical Department, Separations Division)	T. P. Kohman	S	6/18/45
COO-41 (rev.)	Continuous Separation of Ions by Means of a Moving Ion Exchange Bed. Covering Period June 25, 1950 - January 31, 1951 (Stanford Research Institute)	N. K. Hiester	U	3/30/51
CRL-AE-43	The Preparation of High-Purity U ₃ O ₈ by Solvent Extraction in Combination with Solid Adsorbents (British)	W. Ryan	S	
CRL-AE-68	Factors Influencing the Extraction of Uranium from Minerals and Ores. Part 5. Studies on the Extraction of Uranium from Pitchblende with Sodium Carbonate Solutions in the Presence of Oxidising Agents	R. P. Miller et al.	S	10/50
CRL-AE-72	The Concentration of Uranium from a Low Grade Ore X10 by a Method Based on the Use of Sodium Carbonate Solutions	F. H. Burstall et al.	S	2/51

Index Number	Title	Author	Classification	Date
CRL-AE-75	Micro-Assay of Thorium and Uranium in Ores by Chromatographic Separation with Spectrographic Determination of the Thorium	E. C. Hunt et al.	C	4/51
CRL-AE-77	The Use of Anion Exchange Resins in the Treatment of X Ore Leach Solutions	F. H. Burstall et al.	S	3/51
DR-19	Comparison of Pu-240 and U-238 in Thermal Fission Reactors and Its Relation to the Long Term Irradiation of Natural Uranium (Chalk River)	W. B. Lewis	S	9/10/51
EES-9C966861	Basic Information on the Bearing Properties of Various Materials in Liquid Metals (Naval Engineering Experiment Station, Annapolis)	M. R. Gross	C	10/30/50
HW-18493	Interim Report Production Test 105-103 P. Slug Corrosion Rates at Elevated Temperatures (Hanford Works)	W. D. Gilbert	S	8/7/50
HW-18725	Physical Properties of Irradiated Process Tubing	R. G. Wheeler	S	10/12/50
HW-19485	Final Report Production Test 105-300-P Measurement of Expansion of Individual Bars of Pile Graphite	J. T. Carleton	S	11/16/50
HW-19632	Technical Activities Report - November, 1950. Physical Chemistry Group	P. H. Reinker	S	
ISC-165	Spectrophotometric Determination of Cerium (Ames Laboratory, Iowa State College)	R. E. Edwards et al.	U	8/31/51
JAN-1A, Supplement 44	Supplement 44. Index of Tube Types Included in JAN 1A Specifications (Armed Services Electro Standards Agency)		U	10/1/51
K-796	Distillation Report (Carbide & Carbon)	G. F. Mills	S	8/24/51
KAPL-535	Pile Neutron Physics V; Nuclear Engineering Course; 1948-1949 (Knolls Atomic Power Laboratory)	H. Hurwitz	S	2/3/49

Index Number	Title	Author	Classification	Date
KAPL-546	Nuclear Power Considerations; Nuclear Engineering Course; 1948-1949	R. G. Lorraine	S	5/5/49
KAPL-552	The Genie Project; Nuclear Engineering Course; 1948-1949	T. Trocki et al.	C	5/12/49
KAPL-555	The KAPL Reactor. Nuclear Engineering Course 1948-1949	K. A. Kesselring	S	4/14/49
LA-28	Measurements on $\sigma_p(49)/\sigma_f(25)$ and the Value of $\sigma_f(49)$ as a Function of Neutron Energy (Los Alamos)	R. F. Taschek J. H. Williams	S	10/4/43
Misc-1951-2 (No. 23)	Foreign Documents Division Consolidated Translation Survey. Number 23. For August 1951 (Central Intelligence Agency)		S	9/24/51
Misc-1951-46	National Defense Review. Volume 9, Number 3 (Army Library)		R	9/30/51
Misc-1951-81	Neutron Cross Sections of the Elements	R. K. Adair	U	
MT-196	Capture of Neutrons by Cylindrical Absorbing Rods Placed Around a Pile	J. M. G. Fell G. Volkoff	S	1/9/46
NAVDOCKS TP- Re-1	Report on Marine Borers and Fouling Organisms in 56 Important Harbors and Tabular Summaries of Marine Borer Data from 160 Widespread Locations (Bureau of Yards and Docks, Department of the Navy)		U	4/51
NEPA-1859	Theoretical Dependence of Gross Weight of Fast Neutrons Shields on Hydrogen Concentration and Density (Fairchild Engine and Airplane Corporation)	W. E. Browning	S	3/21/51
NP-1686	Investigation of Galvanic Action Between Dissimilar Metals in a KNa Bath; Electrical Potential Test; Project "Baby" (Babcock & Wilcox Co.)	W. Markert, Jr.	C	4/17/47

Index Number	Title	Author	Classification	Date
NP-1731	Diffusion in Solids as a Random Walk Process. Progress Report 4-63 (Jet Propulsion Lab., Calif. Institute of Technology)	S. Weinbaum	U	4/12/48
NP-1819	Progress Report 2 on Fluorescence and Conductivity Phenomena (New York University)	H. Kallmann	U	7/50
NP-1853	Critical Constants, Boiling Points, Triple Point Constants and Vapor Pressures of the Six Isotopic Hydrogen Molecules, Based on a Simple Mass Relationship (Cryogenic Lab., Ohio State Univ.)	A. S. Friedman et al.	U	11/9/50
NP-1934	Progress Report 3 on Fluorescence and Conductivity Phenomena; July, August, September, 1950 (New York University)	H. Kallmann	U	8/50
NP-3000	Report of the Office of Basic Instrumentation for the Quarter Ending December 31, 1950 (National Bureau of Standards)	W. A. Wildhack	U	12/31/50
NP-3171	Fluorescence and Conductivity Phenomena (New York University)	H. Kallmann	U	5/51
NP-3230	Design and Properties of the MIT Linear Accelerator (Lab. for Nuclear Science and Engineering, Mass. Inst. of Technology)	F. T. Demos	U	5/1/50
NP-3327	Target Stations and Biological Materials Exposed During Tests Able and Baker (Director of Ship Material, Bureau of Medicine and Surgery Research Group)	R. H. Lee C. E. Wagner	C	7/1/50
NP-3328	Air Blast Effects of an Atomic Bomb Explosion. Appendix No. 2 to the Final Report. Operation Crossroads (Director of Ship Material, Bureau of Medicine and Surgery Research Group)	D. H. Cahoon	C	8/1/46

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NP-3329	Analysis of Tissues for Induced Radioactivity. Appendix No. 17 to the Final Report. Operation Crossroads (Director of Ship Material, Bureau of Medicine and Surgery Research Group)	C. L. Prosser	C	8/1/46
NP-3330	The Gross Autopsy Findings and a Statistical Study of the Mortality in the Animals Exposed at Bikini. Appendix No. 3 to the Final Report. Operation Crossroads	J. C. Tullis	C	3/1/47
NP-3331	Residual Effects of Atomic Radiation in Soils on Seed Germination. Appendix No. 13 to the Final Report. Operation Crossroads (Director of Ship Material, Bureau of Medicine and Surgery Research Group)	R. P. Humbert et al.	C	1/29/47
NRL-3635	High-Voltage Stabilization by Means of the Corona Discharge Between Coaxial Cylinders (Naval Research Laboratory)	S. W. Lichtman	U	3/13/50
NYO-503	First Regular Annual Progress Report for July 1, 1949 - April 1, 1950 (Yale University)	W. W. Watson	U	4/1/50
NYO-579	Solid Solutions and Grain Boundaries. Technical Progress Report No. 7, Scope II (Mass. Institute of Technology)	B. L. Averbach et al.	U	6/30/51
NYO-623	Annual Progress Report; Separation of Isotopes by Chemical Exchange in Thermal Diffusion Columns; Chemistry Department (Columbia University)	W. P. Senett et al.	U	7/1/50
NYO-858	Fundamentals of Cold Working and Recrystallization. Technical Progress Report No. 4, Scope III (Mass. Institute of Technology)	B. L. Averbach M. Cohen	U	6/1/51
NYO-969	Multiple Scattering Corrections for Collimating Slits (Palmer Physical Lab., Princeton Univ.)	E. D. Courant	U	6/5/51

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NYO-1558	Investigation of the Potential Hazard in Releasing Scrap Steel Contaminated with Uranium to Commercial Channels (New York Operations Office)	H. Blatz et al.	O	6/15/51
ONRL-98-50	Research in Nuclear and Theoretical Physics at Lund, Sweden (Office of Naval Research, London)	P. M. Marcus	U	9/7/50
ONRL-114-50	Conference on Ferromagnetism and Antiferro-Magnetism, University of Grenoble, France, July 3 - 7, 1950	P. W. Forsbergh P. M. Marcus	U	12/22/50
ORO-20	Investigation of Materials for Use in Heat Transfer System Containing Molten Lead Alloys; Progress Report No. 1; June 1, 1950 to July 31, 1950 (Stanford Univ., School of Mineral Sciences)	O. C. Shepard	U	7/31/50
ORO-24	Investigation of Materials for Use in Heat Transfer System Containing Molten Lead Alloys; Report No. X; November 1, 1950, to January 31, 1951 (Stanford Univ.)	O. C. Shepard R. Parkman	U	2/5/51
ORO-44	A Method for Standardization of Gallium ⁷² (Oak Ridge Institute of Nuclear Studies)	M. Brucer et al.	U	10/4/51
OSRD-1857	Progress Report on "Verification of MIE Theory--Calculations and Measurements of Light Scattering by Dielectric Spherical Particles" (National Defense Research, Committee of the Office of Scientific Research and Development)	V. K. LaMer	D	9/29/43
PR-P-11	Progress Report May 16, - August 15, 1951. Physics Subdivision (Chalk River)		S	
PR-P-11-E	Progress Report May 16, - August 15, 1951. Electronics Branch	J. Hardwick	U	
PR-P-11-GP	Progress Report May 16, - August 15, 1951. General Physics Branch	H. Carmichael	S	

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RCD-40-L	Drawing of Camlock Hand. Also filed with this drawing are: RCD-71-50 Boom Sub-Assembly, Rails and Crane for Building 40 RCD-125 Control Box Wiring Diagram, Rectilinear Electric Manip. M3 RCD-125, Item 200 Carriage Sub-Assembly, Rectilinear Electric Manip. Mod. 3 RCD-125 Differential, Rectilinear-Electrical Manipulator-Mod. 3 RCD-125 Manipulator Head Carriage and Crane Wireg. Diag., Rectilinear Electrical Manip. Mod. 3 RCD-125 Power Supply Wiring Diagram, Rectilinear Electric Manip. M 3 RCD-125 Schematic Diagram, Rectilinear Electric Manip. Mod 3 RCD-125, Item 0 Wrist Joint Sub-Assembly, Rectilinear Electrical Manip. Mod. 3 (Argonne National Laboratory)		U	
RIB-7	Radiation Instrument Catalog No. 2; Part I and Part II (Radiation Instruments Branch, AEC)		U	1950
RM-34	Determination of Shield Thickness for Attenuation of Air Scattered Gamma Radiation (Rand Corporation)	M. S. Plesset et al.	C	3/15/48
RM-39	Bremsstrahlung Correction to Transmission of Gamma Rays through Thick Media (Rand Corporation)	S. T. Cohen E. H. Plesset	R	5/20/48
RMO-659	Reconnaissance Examinations of Copper-Uranium Deposits West of the Colorado River (Division of Raw Materials, Exploration Branch)	D. L. Everhart	U	11/50
RMO-660	Happy Jack Mine, White Canyon, Utah	P. H. Dodd	U	12/50
RMO-673	Preliminary Report on Some Uranium Deposits along the West Side of the San Rafael Swell, Emery County, Utah	M. L. Reyner	U	11/50

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RMO-674	Reconnaissance of Basin-Boulder-Clancey Area, Jefferson County, Montana	M. L. Reyner	U	1950
RMO-677	Annie Laurie Prospect, Santa Cruz County, Arizona	R. J. Wright	U	1/51
RMO-678	Free Enterprise Uranium Prospect, Jefferson County, Montana	E. E. Thurlow M. L. Reyner	U	4/50
RMO-679	Reconnaissance of Certain Uranium Deposits in Arizona	R. J. Wright	U	12/50
RMO-732	Geology of Uranium Deposits--A Condensed Version. With Mineral Tables by Muriel Mathez	D. L. Everhart	U	5/51
RMO-753	Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah	E. V. Reinhardt	U	4/5/51
RMO-797	Annual Report for July 1, 1950 to June 30, 1951 (Columbia University)	P. F. Kerr et al.	U	9/51
S-5	Separation of Isotope by Liquid Thermal Diffusion (Carnegie Institution of Washington)	P. H. Abelson	S	4/30/41
TEM-31	Forty-Niner, King Solomon Ridge, and West End Claims near Clancy, Jefferson County, Montana (Geological Survey)	M. R. Klepper	U	8/50
TEM-96A	Progress Report; Wamsutter (Red Desert) Area, Wyoming (Geological Survey)		U	8/30/51
TEM-97A	Progress Report; Colorado Front Range Area		U	8/30/51
TEM-183-A	Interim Report of Geologic Investigation Lost Creek Schroekingerite Deposits Sweetwater County, Wyoming	L. R. Page	U	10/50
TID-379	Reactor Data Chart (Technical Information Service, Oak Ridge)		S	1/51
TID-416	Abstracts of Classified Reports. Vol. 7, No. 17		S	9/15/51

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TID-417A	Abstracts of Classified Reports. Vol. 7, No. 18		S	9/30/51
TID-418	Abstracts of Classified Reports. Vol. 7, No. 19		S	10/15/51
TID-466	Mercury Cathode Reduction of Uranium. A Bibliography of Classified Reports	A. T. Morphew	S	4/10/51
TID-3006	Selected Unclassified References on Nuclear Reactors	Technical Information Service Staff	U	10/16/51
TID-3008	Radioactive Waste Processing and Disposal; a List of Reports Held by the Technical Information Service	H. E. Voress F. E. Croxton	S	
TID-3013	Design and Construction of Radiochemical Laboratories. A Selected List of Unclassified References		U	10/1/51
TID-4005	Summaries of Unclassified Basic Research Projects in the Physical Sciences		U	
TID-5002	Analytical Chemistry of the Manhattan Project; Chapter XV; Transuranic Elements (Manhattan District)	P. L. Kirk	S	
TID-5006	Report on Visit of Dr. E. N. Renton of the National Research Council, Chalk River, Ontario, to the Argonne National Laboratory on February 22nd and 23rd, 1951 (Argonne National Lab.)	R. J. Hasterlik	S	4/5/51
TID-5019	Summary of Topics Discussed with H. G. Heal and T. J. Hardwick of Chalk River February 26 and 27, 1951 (Visit No. 163) (Argonne National Lab.)	J. R. Gilbreath	S	3/14/51
TID-5028	Exchange Reactions between Heavy Water and Sulfur Compounds and the Associated Isotopic Analyses National Nuclear Energy Series, Division III, Vol. 4A (U. S. AEC)	I. Kirshenbaum	S	5/25/51

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TT-124	The Kinetics of Desorption of Activated Adsorbed Hydrogen (National Research Council of Canada)	N. P. Keier S. Z. Roginskii	U	8/50
WASH-61	Excerpts from the Progress Report, Los Alamos Scientific Laboratory		S	6/20/51
<u>Reports Received from United Kingdom Scientific Mission, Washington, D. C.:</u>				
AERE-C/M 120	The Infrared Transmission of Some HF Resistant Materials	J. Gaunt	U	8/30/51
AERE-C/R 724	A Dry Box for α, β, γ Work	G. B. Cook F. Morgaon	U	6/11/51
AERE-E/R 720	The Measurement of Mean Surface Temperature by High Frequency Induction	P. Fortescue D. M. Harris	U	7/12/51
AERE-G/R 661	Enrichment of the C^{13} and O^{18} Isotopes by Fractional Distillation of Carbon Monoxide	T. F. Hohns H. London	U	4/11/51
AERE-R/R 776	Intercomparison of the Harwell and Los Alamos Standard Neutron Sources et al.	D. J. Littler	U	9/7/51
AERE-T/R 727	Energy Flux and Average Energy of Neutrons Scattered by the Walls of a Laboratory	M. E. Mandl	U	1951
AERE-T/R 745	Analysis of High Energy Neutron Production	F. Mandl T. H. R. Skyrme	U	1951
<u>Reports Received from University of California Institute of Engineering Research:</u>				
HE-150-85	Stability of a Viscous Compressible Flow between Rotating Cylinders	P. L. Chambre	U	6/15/51
HE-150-92	Supplementary Data on Sphere Drag Tests. Part 2	N. A. Jensen	U	9/11/51
Misc-1951-116	Investigation of Vacuum-Producing Devices	P. B. Stewart F. Kreith	U	9/14/51

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Misc-1951-124	Spherical Metal Crystals for Mechanical Testing. Second Technical Report	J. Washburn et al.	U	9/51
Misc-1951-125	Heat Transfer Measurements on Lead Bismuth Eutectic in Turbulent Pipe Flow	R. A. Seban	U	6/15/50
<u>Reports Received from University of California at Los Angeles:</u>				
UCLA-158	Quarterly Progress Report for Period Ending September, 30, 1951	S. L. Warren	C	10/10/51
UCLA-160	The Irradiation of Linoleic Acid - A Chain Reaction	J. F. Mead	U	10/12/51
UCLA-161	The Presence and Identity of Vaso-tropic Substances in the Blood of Rats Subjected to Acute Whole Body Roentgen Ray Irradiation	T. J. Haley et al.	U	10/18/51
UCLA-162	Continuous Radioactivity Monitoring of the Atmosphere at the Atomic Energy Project, University of California at Los Angeles. Part II. The Period after the Greenhouse Tests	L. Baurmash W. R. Kennedy	O	10/26/51
<u>Reports Received from University of Rochester:</u>				
NYO-899	High Energy Neutron Collisions with Helium	C. E. Swartz	U	6/51
NYO-3026	Proton-Proton Scattering at 240 Mev	C. L. Oxley R. D. Schamberger	U	10/3/51
NYO-3027	240 Mev. Proton-Deuteron Scattering	R. D. Schamberger	U	10/5/51
NYO-3029	Neutron Stars in Krypton	J. K. Bøggild F. H. Tenney	U	10/9/51
UR-167	A Chemical Dosimeter for Ionizing Radiations	J. W. Kanwisher	U	8/29/51
UR-182	A New Pneumotachograph and Its Application to a Study of Human and Canine Respiration	P. E. Morrow	U	8/29/51

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UR-183	Neoplasia Induced in Rat Embryos by Roentgen Irradiation	J. G. Wilson et al.	U	9/5/51
UR-184	The Surface Chemistry of Bone. VI. Recrystallization <u>In Vivo</u>	W. F. Neuman B. J. Mulryan	U	10/9/51
UR-186	The Effect of Early Small Exchange Transfusion on the X-Irradiated Dog	S. N. Swisher F. W. Furth	U	10/11/51
UR-187	ACTH and Cortisone Aggravation of the Febrile Response of Rabbits to Bacterial Endotoxin	B. J. Duffy, Jr. H. R. Morgan	U	10/11/51

Reports Received from Westinghouse:

WAPD-36	Dilatometric Investigation of Zirconium, Zirconium-Uranium, Zirconium-Oxygen, and Zirconium-Nitrogen Alloys	R. K. McGeary	S	7/17/51
WAPD-MR-20	Monthly Technical Progress Report. Westinghouse Atomic Power Division. Naval Reactor Program. Covering the period July 25, 1951 to August 25, 1951, except in cases noted to the contrary		S	
WAPD-MR-21 (Modified)	Monthly Technical Progress Report. Westinghouse Atomic Power Division. Naval Reactor Program. For the Month of September, 1951. Covering the period August 25, 1951 to September 25, 1951 except in cases noted to the contrary.		S	

Reports Received from Miscellaneous Sources:

AT(11-1)-143	Development and Manufacture of Super-Power Tubes. Quarterly Report No. 3. June 1, 1951 to August 31, 1951 (Radio Corporation of America)	M. V. Hoover	S	
COO-32	Phase Diagrams of Zirconium-Base Binary Alloys. Report No. 4. July 1 - September 1, 1951 (Armour Research Foundation of Illinois Institute of Technology)		U	9/18/51

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CH-3907	The Acute Lethal Action of Single Doses of X Rays on Guinea Pigs (Univ. of Chicago, Metallurgical Lab.)	C. W. Hagen, Jr. G. A. Sacher	U	8/51
GEI-24101	Instructions Vapor Detector Cat. No. 8257667G3 (General Electric)		U	
Misc-1951-1	Technical Data Digest. Vol. 16, No. 10. October, 1951. (Central Air Documents Office)		U	10/15/51
Misc-1951-15	Monthly Research Report. August, 1951 September 1951 October 1951 (Office of Naval Research)		C C	
Misc-1951-102	Construction of a High-Speed, Motion-Picture Camera (Calif. Institute of Technology, Jet Propulsion Lab.)	R. B. Bowersox	U	3/8/51
Misc-1951-115	The Thermoluminescence of Crystals. Final Report (Univ. of Wisconsin)	F. Daniels D. F. Saunders	U	
Misc-1951-118	Symposium on Biochemistry of Nucleic Acids. Sponsored by the Biology Division, Oak Ridge National Laboratory		U	4/13/50
Misc-1951-120	Bibliography on Geiger-Muller Photon Counters (National Bureau of Standards)	E. J. Walker	U	8/6/51
Misc-1951-121	Molybdenum a New High-Temperature Metal (Battelle Memorial Inst.)	R. M. Parke	U	
Misc-1951-122	The Infrared Spectra of DC ¹² N and DC ¹³ N The Microwave Spectrum of a Slightly Aspherical Top--the Structure and Dipole Moment of Sulfuryl Fluoride The Microwave Spectrum of Methyl Stannane (Mallinckrodt Chemical Lab., Harvard University)	W. S. Richardson R. M. Fristrom D. R. Lide, Jr.	U U	
MIT-Met-MPD-Tech. Rep. 2	The Ductile Fracture of Metals. Mechanical Anisotropy in Copper (Mass. Inst. of Technology, Dept. of Metallurgy, Metal Processing Division)	W. A. Backofen et al.	U	7/2/51

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MIT-Met-MPD-Tech. Rep. 3	The Ductile Fracture of Metals	W. A. Backofen et al.	U	7/30/51
MIT-NSE-NGFS-QPR-12/31/50	Quarterly Progress Report. December 31, 1950. Neutron and Gamma Ray Shielding Group and Electronic Nuclear Instrumentation Group			
MIT-NSE-PR-8/3/51	Progress Report. August 31, 1950. Lab. for Nuclear Science and Engineering	C. Goodman T. S. Gray	U	
NP-1927	Treatment of Infection Following Exposure to Ionizing Radiation (Chicago University)	C. P. Miller C. W. Hammond	U	
NYO-1627	The Effect of Ionizing Radiation on the Desoxyribonucleic Acid Content of Rat Thymus Nuclei (Western Reserve University)	H. Harrington P. S. Lavik	U	9/27/51
RMO-2503	Progress Report for August 15, 1951 - October 1, 1951 (Rohm and Haas Co.)	R. Kunin	S	10/9/51
RMO-2601	Progress Report for the Period June 13, 1951 to August 31, 1951 (The Merrill Co., San Francisco)	J. C. Huggins E. P. Bullwinkel	S	
SO-1005	Jet Impactors for Determining the Particle Size Distributions of Aerosols. Technical Report No. 4 (University of Illinois, Engineering Experiment Station)	W. E. Ranz J. B. Wong	U	7/31/51

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<u>MDDC and AECD Documents Received:</u>		
2952	The Enrichment of Lithium Isotopes by Ion Exchange	J. H. Gross
3015	The Trinitratouranyl Complex in Ketonic Solvents	L. Kaplan et al.
3026	Half-Life and Alpha-Particle Energy of U ²³⁶	A. H. Jaffey et al.
3169	Measurements of the Orsort Uranium-Graphite Exponential Pile; Oak Ridge School of Reactor Technology	E. C. Campbell et al.
3209	The Vapor Pressure of Lanthanum and Praseodymium	A. H. Daane
3221	A Filtration Study of a Spark Generated Aerosol of the Transplutonium Elements	J. G. Conway et al.
3223	Studies of Recovery Processes for Western Uranium Bearing Ores IX. Precipitation of Yellow Cake and of Low Level Vanadium	E. L. Leyshon C. F. Coleman
3235	Measurement of the Cross Section for the Reaction $T + T \rightarrow He^4 + 2n + 11.4 \text{ Mev}$	H. M. Agnew et al.
<u>AECU Documents Received:</u>		
276	Multiple Scattering of Fast Charged Particles	H. S. Snyder W. T. Scott
929	On the Energy Distribution of the Fission Fragments of U ²³⁵ Produced by 2.5-Mev and 14-Mev Neutrons	S. S. Friedland
1104	Capture Cross Sections for Fast Neutrons	R. L. Henkel H. H. Barschall
1120	Recrystallization and Grain Growth	J. E. Burke D. Turnbull
1169	Health Physics and Medical Aspects of a Strontium-90 Inhalation Incident	F. P. Cowan et al.
1273	Guide to Liquid Metal Handling	D. B. Nelson
1279	The Use of Zirconium and Its Compounds as a Radiopaque Medium; Final Report	B. H. Polister

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1290	Corrosion Studies on Titanium and Zirconium Metals; Monthly Report for January, 1951	L. B. Golden et al.
1291	Corrosion Studies on Titanium and Zirconium Metals; Monthly Report for April, 1951	L. B. Golden et al.
1298	Study of the Range Energy Relation for Slow Ions	T. Jorgensen
1305	Histochemical and Microchemical Changes in Experimental Cirrhosis and Hepatoma Formation in Mice by Carbon Tetrachloride	R. E. Stowell et al.
1321	Hot Radical Reactions (A Review of Principles and a Critical Discussion of Experiments)	W. H. Hamill et al.
1322	Phosphomonoesterase Activity in Hepatic Tissues in the Mouse	K. K. Tsuboi
1339	Kinetics of the Periodate Oxidation of Manganese to Permanganate	G. R. Waterbury et al.
1399	Production of Hafnium Concentrate by Adsorption	G. H. Beyer et al.
1499	The Decay of I^{125}	G. Friedlander W. C. Orr
1512	The Decay Scheme of Cu^{66}	G. Friedlander D. E. Alburger
1519	Determination of Sodium 24 "Space" in Infants, Children, and Adults	A. Perley et al.
1520	Estimation of Total Body Sodium by Isotopic Dilution; II. Studies on Infants and Children; An Example of a Constant Differential Growth Ratio	G. B. Forbes A. Perley
1588	Associated Convex Bodies	P. C. Hammer
1607	Method of Obtaining Tritium Ion Beams with Low Gas Consumption	W. R. Arnold

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