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Reports Received from Argonne National Laboratory:				
ANL-4537	Quarterly Report. 9-1-50 through 11-30-50. Naval Reactor Division	H. Etherington	S	12/15/50
ANL-4552	Report for October, November, 1950 Physics Division	L. A. Turner	S	12/8/50
ANL-4563	Note on the Preparation of Mouse Tails for Intravenous Injection	M. Finkel et al.	U	1/18/51
ANL-4569	Additions to the Library. Report for the Period January 15-31, 1951. AECU and AECD Documents and Books	P. A. Schulze	U	
ANL-4570	Heavy Water-Zirconium-Thorium Type Power Conversion Reactor for Naval Application	J. B. Anderson et al.	S	2/1/51
Reports Received from Atomic Energy Commission, New York:				
NYO-2013	Fluorimetric Determination of Aluminum in Zirconium Metal and Zirconium Oxide (New Brunswick Lab.)	A. R. Eberle	OUO	4/50
NYO-2014	Fluorimetric Determination of Aluminum in Beryllium (New Brunswick Lab.)	A. R. Eberle G. J. Petretic	U	1/19/51
Reports Received from Atomic Energy Commission, Richland, Washington:				
Misc-1951-3 (2-1-51)	Status of Materials Testing Irradiations. (Hanford Works)		S	2/1/51
Reports Received from Atomic Energy Commission, Washington, D. C.:				
Maths.Memo/ 57/WW	Helix as Linear Proton Accelerator (British)	W. Walkinshaw K. Wyllie	U	
Misc-1951-4	Appendix IV. Detailed Characteristics Chart of Electronic Digital Computers of Major Interest to the Department of Defense		C	6/1/50

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Misc-1951-5	A Survey of Large-Scale Digital Computers and Computer Projects	(Office of Naval Res.)	R	7/50
Misc-1951-6	Mechanical Mixing of Screening Smoke (British)	C. J. Stairmand	R	10/50
Misc-1951-7	AEC Contract Policy and Operations. Ninth Semiannual Report of AEC		U	1/51
NRL-C-3240-109A/50	Filter Papers from Glass-Fibers: Manufacture of (Naval Res. Lab.)	T. D. Callinan et al.	C	10/24/50
ONRL-2-51	Infra-Red Gas Analyzers (Office of Naval Research)	W. L. Hyde	U	1/8/51
Reports Received from Battelle Memorial Institute:				
BMI-P-36	Progress Report for the Month of December, 1950	H. W. Russell et al.	S	1/1/51
BMI-T-54	An Evaluation of Heating Methods for Thermal-Rupture Tests of Ceramic Fuel Elements	F. C. Todd et al.	S	12/31/50
BMI-T-55	The Corrosion of Zirconium in 600° F. Water in 750°F. Superheated Steam	H. A. Pray R. S. Peoples	S	1/15/51
NEPA-1667	Report for the Month of December 1950 for NEPA Project		C	12/16/50
Reports Received from Brookhaven National Laboratory:				
BNL-85	Guide to Russian Scientific Periodical Literature. Vol. 3, No. 11		U	11/50
BNL-89	Guide to Russian Scientific Periodical Literature. Vol.3, No. 12		U	12/50
Reports Received from California Research and Development Company:				
LRL-12	Lissajou Beam Sweeping	D. B. Willmer	S	1/31/51
Reports Received from Carbide and Carbon Chemicals Corporation:				
Y-703	Stainless Steel Coatings to Prevent the Corrosion of Copper	L. O. Love W. K. Prater	S	1/12/51
Y-706	Recombination of Stoichiometric Mixtures of Hydrogen and Oxygen in a Flame Recombiner Feasibility Report.	H. M. McLeod, Jr. et al.	S	1/1/51

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Y-714	Corrosion Resistance of Zirconium Metal and Stainless Steels on Exposure to Concentrated Solutions of Uranyl Fluoride	C. D. Susano	C	1/22/51
Y-715	Numerical Integration of Criticality Equations and Use of Perturbation Theory for Bare Be-U^{235} Reactors	S. Preiser	S	1/30/51
Reports Received from General Electric Company:				
HW-20036	Analytical Procedures for the Plutonium Metal Fabrication Process. XI. The Determination of Fluoride	G. J. Behling et al.	S	1/15/51
HW-20053	Progress Report for December, 1950. Chemical Research Section	O. F. Hill F. J. Leitz	S	1/19/51
HW-20144	Status of Hanford Requests as of January 31, 1951		S	2/1/51
KAPL-445	Reactor Engineering Progress Report. October, November, December 1950		S	
KAPL-446	Health Physics Progress Report. October, November, December 1950		C	1/23/51
KAPL-462	Summary Technical Progress Report No. 42 for January 1951	K. H. Kingdon	S	
KAPL-463	Tritium Project		S	1/51
KAPL-472	The Determination of Trace Amounts of Hydrogen in Helium	H. C. Mattraw	S	1/31/51
KAPL-473	The Effect of Irradiation on Compression Springs	R. S. Zeno	S	1/29/51
Reports Received from Kellex Corporation:				
KLX-1322	Second Quarterly Progress Report. August 1 - October 31, 1950. Mass Spectrometer Development		C	2/19/51
KLX-1329	Progress Report. Fourth Quarter 1950. Decontamination of Crib Wastes (24-A3)	J. F. Hogerton	S	1/18/51

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KLX-1330	Progress Report. Fourth Quarter 1950. Development of Laboratory Disposal Unit	W. A. Bain	U	1/30/51
Reports Received from Library of Congress:				
Misc-1950-16	European Scientific Notes Vol. 4, No. 24 Vol. 4, Index		U	 12/15/50 1950
Misc-1951-16	European Scientific Notes Vol. 5, No. 1 Vol. 5, No. 2		U	 1/1/51 1/15/51
R3601-3670	Technical Information Pilot		R	1/16/51
U12114-12193	Technical Information Pilot		U	1/9/51
U12194-12270	Technical Information Pilot		U	1/23/51
Reports Received from Los Alamos Scientific Laboratory:				
LA-1179	Gamma Ray Spectra of Los Alamos Reactors, "Water Boiler" and Clementine	J. W. Motz	S	10/50
Reports Received from Mound Laboratory:				
MLM-512	Engineering Study of Evaporation for Concentrating Radioactive Liquid Wastes	R. L. Bates M. McEwen	C	11/1/50
MLM-530	A Method of Rebuilding Boron-Wall Neutron-Counting Tubes	E. H. Daggett	U	1/12/51
Reports Received from National Advisory Committee for Aeronautics:				
NACA-ML-286	Monthly List of Documents Released by the NACA During January 1951		U	
NACA-TN-2267	Inelastic Column Behavior	J. Duberg T. W. Wilder, III	U	1/51
NACA-TN-2271	Further Study of Metal Transfer Between Sliding Surfaces	J. T. Burwell C. D. Strang	U	1/51
NACA-TN-2272	Lateral Elastic Instability of Hat-Section Stringers under Compressive Load	S. Goodman	U	1/51

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NACA-TN-2274	Extension of the Theory of Oscillating Airfoils of Finite Span in Subsonic Compressible Flow	E. Reissner	U	2/51
NACA-TN-2276	Static and Fatigue Strength Aluminum-Alloy Bolted Jointed	E. C. Hartmann et al.	U	2/51
NACA-TN-2281	Detailed Computational Procedure for Design of Cascade Blades with Prescribed Velocity Distributions in Compressible Potential Flows	G. R. Costello et al.	U	2/51
NACA-TN-2287	An Investigation of Pure Bending in the Plastic Range when Loads are not Parallel to a Principal Plane	H. A. Williams	U	2/51
NACA-TN-2289	Elastic Constants for Corrugated-Core Sandwich Plates	C. Libove R. E. Hubka	U	2/51
NACA-TN-2290	A Method for Calculating Stresses in Torsion-Box Covers with Cutouts	R. Rosecrans	U	2/51
NACA-TN-2291	Influence of Wall Boundary Layer upon the Performance of an Axial-Flow Fan Rotor	E. Boxer	U	2/51
NACA-TN-2293	The Physical Properties of Active Nitrogen in Low-Density Flow	J. M. Benson	U	2/51
NACA-TN-2295	Chordwise and Compressibility Corrections to Slender-Wing Theory	H. Lomax L. Sluder	U	2/51
NACA-TN-2312	Bearing Strengths of Some Aluminum-Alloy Permanent-Mold Castings	E. M. Finley	U	2/51
Reports Received from Naval Radiological Defense Laboratory:				
AD-218(OH)	Hazard Evaluation and Control Following a Spill of 40 Milligrams of Radium	R. K. Skow et al.	R	4/12/50
AD-229(OH)	Diatomite Filter, Test to Determine Feasibility of Use in Removing Y^{91} from Fresh Water	M. M. Bigger A. J. Hodges, Jr.	C	7/24/50
AD-264(I)	Alpha Scintillation Probe Counter	R. H. Davis	U	11/2/50
AD-273(B)	The Effects of X-Irradiation on a Naturally Occurring Endemic Infection	V. P. Bond et al.	U	11/29/50

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AD-275(B)	Observations on the Thermal Fragility of Erythrocytes	L. Goldschmidt R. L. Rosenthal	U	11/24/50
AD-277(I)	Design Requirements for Extended-Source Scintillation Counters	R. H. Davis	U	11/10/50
AD-278(I)	The Design and Fabrication of a Spherical Reelectometer	R. Josephson	U	12/15/50
AD-279(B)	The Susceptibility of Irradiated Mice to Infection as a Function of Post-Irradiation Time	I. L. Shechmeister et al.	U	12/12/50
AD-281(B)	The Sulfhydryl Content of Human Serum and its Relationship to Catecholase Inhibition	B. Shacter M. B. Shimkin	U	1/12/51
Reports Received from NEPA:				
NEPA-1687	Method for Determination of Stress Deformation Rates under Irradiation	J. G. Morgan et al.	C	10/20/50
Reports Received from North American Aviation:				
NAA-SR-75	The Effect of Cyclotron Irradiation on the Physical Properties Metals	A. B. Martin et al.	C	1/8/51
NAA-SR-87	Shielding Requirements for NAA-NPR Recycled Cooling Water System	M. H. Feldman R. L. Loftness	S	12/8/50
Reports Received from Oak Ridge National Laboratory:				
CF-51-2-52	Electrical Resistance Thermal Cycler - NaK Cooling	R. B. Small	S	2/7/51
ORNL-836	Health Division Report for Month Ending July 31, 1950	J. S. Felton	U	2/5/51
ORNL-848	The Corrosion of Various Stainless Steels in Synthetic Waste Solutions	J. L. English	S	2/12/51
ORNL-883	Proposal for Putting Nuclear Data on Punched Cards	N. M. Dismuke et al.	U	2/9/51
ORNL-887	The Preparation of Tri-n-Butyl Phosphate P^{32}	W. N. Baldwin C. E. Higgins	C	2/5/51
ORNL-893	A Sweep Type Differential and Integral Discriminator	E. Fairstein	U	2/12/51

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ORNL-897	A Cobalt Gamma-Ray Source Used for Studies in Radiation Chemistry	J. A. Ghormley C. J. Hochanadel	U	2/6/51
ORNL-901	Health Division Report for Month Ending August 31, 1950	J. S. Felton	U	2/5/51
ORNL-902	Health Division Report for Month Ending September 30, 1950	J. S. Felton	U	2/5/51
ORNL-910	Metallurgy Division Quarterly Progress Report for Period Ending October 31, 1950	E. C. Miller W. H. Bridges	S	2/8/51
ORNL-925	Homogeneous Reactor Experiment Quarterly Progress Report for Period Ending November 30, 1950	C. E. Winters C. H. Secoy	S	1/30/51
ORNL-930	A Count-Rate Method of Measuring Fast Neutron Tissue Dose	G. S. Hurst R. H. Ritchie	U	1/30/51
ORNL-936	Chemical Technology Division Quarterly Progress Report for Period Ending November 20, 1950	W. K. Eister	S	1/31/51
ORNL-938	Operations Division Monthly Report for Month Ending December 31, 1950	M. E. Ramsey	S	2/19/51
ORNL-939	Physics Division Quarterly Progress Report for Period Ending December 20, 1950	A. H. Snell et al.	S	2/19/50
ORNL-953	Oak Ridge National Laboratory Status and Progress Report. January 1951	W. E. Thompson	S	2/9/51

Reports Received from Technical Information Division, Oak Ridge, Tennessee:

AERE-C/R-552	The Geometrical Efficiency of an End Windowed Geiger-Muller Counter (British)	G. B. Cook et al.	U	7/50
AERE-EL/R-396	Recent Progress in the Development of Field Equipment for Prospecting for Radioactive Ores (British)	E. Franklin	U	9/50
BR-539	The Vapor Pressure of ...UF_6 (British	G. W. Bridger	S	12/1/44
CRCE-456	Macro Experiments on Extraction Properties of Hexavalent and Tetravalent Plutonium into Butex (Canadian)	E. F. Kemp et al.	S	8/28/50

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CREL-462	Scintillation Counter Instrumentation (Canadian)	G. Cowper	OUO	10/25/50
CREL-464	A Comprehensive Counting System for Nuclear Physics Research (Canadian)	N. F. Moody et al.	OUO	10/27/50
CRGP-458	The Variation of Cross Section with Energy of Slow Neutron Induced Fission in U^{233} and Pu^{239} (Canadian)	R. R. Tunnicliffe	S Lim	
CRL/AE-65	Investigations on the Precipitation of Uranium and Other Metals from Solution. Part VI. Chromium, Titanium, and Cerium (British)	T. V. Arden J. Harbutt	U	8/50
CRP-460	Measurement of Neutron Density Distribution in the NRX Pile at Low Power (Canadian)	B. W. Sargent	S	9/29/50
HW-18789	Gas Analysis of Lithium-Aluminum Alloy (Hanford Works)	C. R. F. Smith	S	9/11/50
ISC-95	Radioactivities Produced in Europium and Gadolinium (Iowa State)	R. E. Hein	U	3/50
ISC-122	The Structure of Tetramethylammonium Pentaiodide (Iowa State)	R. J. Hach R. E. Rundle	U	12/15/50
ISC-127	Radiations from Yb^{169} (Iowa State)	D. S. Martin, Jr. et al.	U	12/14/50
KLX-5	Kellex Research Program		S	3/31/48
M-2357	A Report of the Pressure-Volume-Temperature Data Available for C616 (Fercleve Corp.)	R. T. Overman	S	3/20/45
M-4410	Manuals for Brookhaven National Laboratory. Book No. 1, Design Manual. Volume 1, General Codes and Data (H. K. Ferguson Co.)		U	3/49
Misc-1950-2 (Number 15)	Foreign Documents Division Consolidated Translation Survey. For December 1950		S	1/23/51
MIT-1056	Some Properties of High-Purity Zirconium and Dilute Alloys with Oxygen (Mass. Inst. of Tech.)	R. M. Treco	OUO	11/15/50

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MITG-237	Further Study of Simultaneous Radiometric Assay for Thorium and Uranium (Including the Use of the Cooke-Yarborough Quenching Circuit)	D. W. Haney E. M. Rubino	U	10/18/50
MITG-259	A Circuit for the Automatic Control of Counting Rate Meters	J. H. Pannell T. J. Morrison	U	12/28/50
NAVORD-1222	The Design of a Versatile Low-Power Periscope (Naval Ordnance Test Station)	T. R. Whitney et al.	U	3/20/50
NEPA-1399	Study of Effects of Turbulence Promoters on Heat Transfer (Covering Month of March 1950. Armour Research Foundation)	A. Shaffer O. E. Teichmann	U	4/18/50
NEPA-1419	Informal Progress Report No. 21 April 16 - May 15, 1950 (Metal Hydrides Inc.)	T. R. P. Gibb, Jr.	U	5/18/50
NEPA-1431	Study of Effects of Turbulence Promoters on Heat Transfer (Covering Month of April, 1950. Armour Research Foundation)	A. Shaffer O. E. Teichmann	U	5/16/50
NP-124	Thermodynamic Properties of Helium at High Pressures and Temperatures (General Electric)		U	5/47
NP-1503	A Bibliography of Some Physical Phenomena in Electric Discharges (Mellon Institute)	G. C. Akerlof E. Wills	U	1/50
NP-1642	An Investigation of the Alpha-Ray Spectrum of Polonium (Univ. of Michigan)	J. J. Wagner	U	1949
NP-1846	Nuclear Emulsion Techniques at the University of Brussels "On Processing Nuclear Emulsions. Part I. Concerning Temperature Development"	C. C. Dilworth et al.	U	2/50
NRL-3723	Organic Scintillators (Naval Research Lab.)	S. H. Liebson	U	8/21/50
NYO-545	Progress Report for June and September 1950 (Carnegie Inst. of Technology)	C. Moore et al.	U	12/10/50

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NYO-597	The Measurement of Thermal Conductivity of Refractory Materials. Progress Report for Oct. 1 to Dec. 31, 1950. (MIT)	F. H. Norton et al.	U	1/10/51
NYO-755	Plastic Deformation and Diffusionless Phase Changes in Metals; The Gold-Cadmium Beta Phase (Columbia)	L. C. Chang T. A. Read	U	11/15/50
NYO-780	Design and Construction of Synchro-Cyclotron Final Report on Joint ONR-AEC Project Feb. 1, 1947 to Sept. 1, 1950 (Carnegie Inst.)	E. Creutz	U	9/1/50
NYO-1536	Decontamination and Survey of Uranium Refinery Plant (Linde Air Products Co.)	R. C. Heatherton	OUO	12/14/50
NYO-1538	An Inexpensive, Wide Range Gamma Ray Geiger Survey Meter (Health & Safety Division of New York Operations Office)	H. D. LeVine H. J. DiGiovanni	U	1/4/51
OANAR-30-50	Magnetism Research in France (Office of Naval Research)	P. W. Forsbergh, Jr.	U	2/17/50
ORNL-701	Mock-Up Design Report	W. R. Gall D. J. Mallon	S	10/27/49
PR-B-HR-8	Progress Report. September - November 1950. Biology and Health Radiation Sub-Division (Canadian)	W. B. Lewis	S	
PR-C.E.-8	Progress Report. September - November, 1950. Chemistry and Engineering Sub-Division (Canadian)	W. B. Lewis	S	
PR-IO-9A	Progress Report. October 16 - December 15, 1950. Industrial Operations Sub-Division (Canadian)		S	
PR-P-8	Progress Report. September - November 1950. Physics Sub-Division (Canadian)	W. B. Lewis	S	
RTM-51	Investigations of Electroforming as a Rocket Motor Fabrication Technique (Aerojet Engineering Corp.)	J. H. Altseimer B. Jones	C	8/29/49

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SEP-42	Attack-Polish Method of Metallographic Preparation (Sylvania Electric Products)	D. B. Metz H. W. Woods	U	10/30/50
SEP-43	Self-Diffusion of Metals and Associated Phenomena. IV (Sylvania)	B. H. Alexander et al.	U	12/28/50
SEP-45	The Hot Wire Process for Zirconium. I. The Decomposition Coefficient and Other Fundamental Aspects (Sylvania Electric Products)	R. B. Holden B. Kopelman	OUO	11/16/50
TID-70	Journal of Metallurgy and Ceramics Issue No. 6. January 1951		S	
TID-235	Nuclear Data for Low-Power Research Reactors		U	11/16/50
TID-397	Radiological Warfare Program Status Report. Sixth Meeting of the Joint AEC-NME Panel on Radiological Warfare	W. A. Noyes, Jr. et al.	S	11/20/50
TID-400	Abstracts of Classified Reports Vol. 7, No. 1		S	1/15/51
Reports Received from University of California at Los Angeles:				
UCLA-107	Spectral Energy Distribution in X-Ray Beam as a Function of Wavelength	M. A. Greenfield et al.	U	1/29/51
UCLA-110	Changes in the Electrolytic Resistance of Blood Following Coagulation and Clot Retraction	T. J. Haley F. Stolarsky	U	2/9/51
UCLA-112	The Inability of Thiourea to Modify Roentgen Ray Irradiation Mortality in Rats	T. J. Haley et al.	U	2/16/51
Reports Received from University of Rochester:				
UR-148	Metabolism of Calcium in Normal, Rachitic, and Vitamin D Treated Rats as Evidenced by Radiocalcium (Ca^{45}) Studies	H. Hodge et al.	U	1/15/51
UR-155	The Present Status of Variance Component Analysis	S. L. Crump	U	1/25/51

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Reports Received from Westinghouse Electric Company:				
WAPD-MR-12	Monthly Technical Progress Report. Westinghouse Atomic Power Division. Naval Reactor Program		S	12/50
Reports Received from Miscellaneous Sources:				
COO-21	Preparation of High Purity Magnesium and a Study of the Effect of Non-Metallic and Alkali Metal Impurities on the Corrosion Characteristics of the Pure Magnesium. Annual Report. 12-1-49 to 11-31-50. (Dow Chemical Co.)		U	
Misc-1950-1	Technical Data Digest Index. July - December 1950		U	
Misc-1950-18	Radet. Vol. 3, No. 12		OUO	12/50
Misc-1951-3	Status of Materials Testing Irradiations. (Hanford Works)			
	August 1, 1950		S	
	September 1, 1950		S	
	October 1, 1950		S	
	November 1, 1950		S	
Misc-1951-8	Directories			
	Argonne Nat'l Lab. Telephone Directory		U	1/51
	Knolls Atomic Power Lab. Telephone Directory		U	1/51
NM 004 005. 04.05	Effect of Carbon Dioxide on the Rate of Denitrogenation in Human Subjects (Naval Medical Research Institute)	R. Margaria J. Sendroy, Jr.	U	8/8/50
NM 007 081. 07.05	A Recording Automatic Syringe for Rapid Intravenous Injections at Regulated Rates (Naval Medical Research Institute)	D. Minard E. F. Osserman	U	8/22/50
NP-1909	An Electron Injection Gun for the M.I.T. Synchrotron (MIT)	O. L. Stone	U	12/15/50
NP-1935	Monthly Research Report. (Office of Naval Research)		C	1/51
NP-1948	Nuclear Shielding Studies IX. The Interaction of Fast Neutrons with Nuclei (MIT)	H. B. Willard et al.	U	9/27/50
NP-1950	Monthly Research Report (Office of Naval Research)		C	2/51

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MDDC and AECD Documents Received:		
894	Fast Amplifier Circuit Schematic	W. C. Elmore
1583	Photographs Showing Use of Health Physics Instruments	G. W. Morgan
2919	Hydrolytic Behavior of Metal Ions; II. Acidity of Thorium Tetrachloride Solutions	K. A. Kraus R. W. Holmberg
2961	Temperature Rise in a Pitted Surface	W. Karush
2966	Thermal Stresses and Strains in a Finite Cylinder with no Surface Forces	F. H. Murray
2968	Heat Flow from a Fin to a Boiling Liquid	A. V. Martin
AECU Documents Received:		
899	Improved Calculations on Cascade Shower Theory	I. Bernstein
914	Metabolism of Soy Bean Leaves II. Amino Acids Formed During Short-Term Photosynthesis	L. P. Vernon S. Aronoff
996	Rise and Decay Times of Pulses from Photomultipliers Using Liquid Phosphors	J. S. Allen T. C. Engelder

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