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Patent Department	11
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W. Latimer	14
M. Calvin	15
J. G. Hamilton	16
R. S. Stone	17
N. Garden	18
B. Moyer	19
R. L. Dobson	20
D. Sewell	21
M. Martin	22
J. Norton	23
H. Gordon	24
E. Lofgren	25
Calif. Research and Development Corp. Attn: J. Kent	26
Information Division	27-48
Total	48

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LIST OF REPORTS RECEIVED IN THE UCRL INFORMATION

DIVISION DURING THE MONTH OF DECEMBER, 1950

January 3, 1951

Index Number	Title	Author	Classification	Date
Reports Received from Argonne National Laboratory:				
ANL-4399	Quarterly Report for October, November, and December 1949. Metallurgy Division	F. G. Foote J. F. Schumar	S	12/31/49
ANL-4449	Quarterly Report for January, February and March 1950. Chemistry Division, Section C-II	J. R. Gilbreath O. C. Simpson	S	10/19/50
ANL-4515	Quarterly Report for July, August, and September 1950. Physics Div.	L. A. Turner	S	10/5/50
ANL-4529	Heavy Water Reactors for Large Naval Installations	E. N. Pettitt et al.	S	11/10/50
ANL-4530	Tributyl Phosphate Solvent Extraction Process for Recovery and Dedecontamination of Uranium 235 Fuel Discharged from Experimental Breeder Reactor	L. Burris, Jr. R. C. Vogel	S	9/15/50
ANL-4538	Summary of Meteorological Data Taken at Argonne National Laboratory Du Page County, Illinois July 1949 Through June 1950	H. R. Newton et al.	OUO	11/26/50
ANL-4540	Neutron Producer (CP-6) Program. Technical Progress Letter, November 1950	S. McLain	S	11/30/50
ANL-4542	Additions to the Library. Report for the Period November 15-30, 1950. AECU and AECD Documents and Books	E. T. Mapp	U	
ANL-4547	Additions to the Library. Report for the Period December 1-14, 1950. AECU and AECD Documents and Books	E. T. Mapp	U	
CH-3903	Comparative Biological Actions of Cyclotron Fast Neutrons and X Rays. I. Lethal Action on Mice and Rabbits	C. W. Hagen, Jr. R. E. Zirkle	U	11/50

Index Number	Title	Author	Classification	Date
CH-3904	Comparative Lethal Action of X Rays and Cyclotron Neutrons on *Drosophila* Eggs	R. E. Zirkle M. E. Parrish	U	12/50
Reports Received from Atomic Energy Commission, New York:				
Misc-1950-145	Directory of Research and Development Contractors (3rd Edition)		S	8/50
Misc-1950-152	Telephone Directory. U. S. AEC, New York, N.Y..		U	
Reports Received from Atomic Energy Commission, Washington, D. C.:				
JAN-1A	Joint Army-Navy Specification JAN-1A for Electron Tubes. Vol. 1, Part 1; Vol. 1, Part 2; Vol. 2, Part 1, and Vol. 2, Part 2.		U	
Misc-1950-141	Dispersion for Security (Address before the American Railway Development Ass. in Old Point Comfort, Virginia, April 20, 1949)	I. D. Brent	U	
Misc-1950-142	Medical Aspects of an Atomic Disaster Plan	E. R. King	U	1948
Misc-1950-143	Adsorption of Organic Substances by Plants as Related to Plant Respiration (Russian)	A. Kursanov et al.	C	1948
Misc-1950-144	On the Participation of Alduronic Acids in the Process of Photosynthesis (Russian)	A. M. Kuzin R. Ya. Shkol'nik	C	1950
NM 003 041. 09.02	Mapping the Central Scotoma of the Dark Adapted Retina: Comparison of a Moving Stimulus with a Stationary Presentation	L. S. MacMartin F. L. Dimmick	U	11/1/49
NM 005 052. 01	Human Protection from Ultraviolet Radiation	F. Heinmets	U	8/19/49
Reports Received from Battelle Memorial Institute:				
BMI-243	Final Report on Recovery of Thorium and Uranium from Monazite Sand. Volume I	G. D. Calkins et al.	S	9/15/50
BMI-243A	Final Report on Recovery of Thorium and Uranium from Monazite Sand. Volume II	G. D. Calkins et al.	S	9/15/50

Index Number	Title	Author	Classification	Date
BMI-P-33	Progress Report for the Month of September 1950	H. W. Russell et al.	S	10/1/50
NEPA-1592	Report for the Month of October, 1950 for NEPA Project from Battelle Memorial Institute		C	10/16/50
Reports Received from Brookhaven National Laboratory:				
BNL-46	Supplementary Engineering Tests for the Brookhaven Reactor	D. W. Bareis W. R. Page	S	11/15/50
BNL-77	A Review of Graphite Testing Procedures and Their Applications to the BNL Reactor	J. Chernick I. Kaplan	S	11/15/50
BNL-82	Quarterly Progress Report. July 1 - September 30, 1950		U	
Reports Received from Carbide and Carbon Chemicals Corporation:				
HKF-106	A Circulating Fuel Prototype for the Aircraft Reactor Experiment	K. Cohen	S	12/1/50
K-689	Dielectric Constant of Uranium Hexafluoride Vapor at 9400 Mc/Sec	D. W. Magneson	S	11/29/50
K-698	An Instrument for Controlled Potential Electrolysis	E. D. Marshall et al.	U	12/1/50
Y-676	Progress Report. Electromagnetic Research Division. July 1, 1950 to October 1, 1950	R. S. Livingston	S	10/12/50
Y-678	Studies in the Carbonate-Uranium System. Part II. The Solubility of Sodium Uranyl Tricarbonate in Solutions of Certain Sodium Salts	K. B. Brown J. M. Schmitt	C	10/20/50
Y-681	Electromagnetically Enriched Isotopes. Inventory, October 31, 1950.	C. P. Keim et al.	U	10/31/50
Y-683	Chemical Exchange as a Versatile Isotope Separation Process	G. H. Clewett	U	11/7/50
Y-685	Filtration of SO_3 Gas Molecules by Type 6 Paper	J. W. Thomas	S	11/9/50
Y-686	Assay Laboratory Department Process Improvement Report. July through September 1950	R. F. Hibbs	S	11/14/50

Index Number	Title	Author	Classification	Date
Y-687	Protective Equipment Evaluation Program. Quarterly Progress Report, July 1, 1950 to Sept. 30, 1950	S. G. Struxness	S	11/20/50
Y-691	Temperature Dependence of Xenon Cross-Section	G. Goertzel A. B. Oppenheim	S	12/18/50
Y-692	The Electromagnetic Concentration of the Isotopes of Strontium	W. A. Bell et al.	S	11/22/50
Y-693	Electromagnetic Concentration of the Stable Isotopes of Zinc	L. O. Love et al.	S	11/9/50
Reports Received from General Electric Company:				
HW-18377	A Manual for the Handling of Special Requests at Hanford	R. E. Nather W. A. Clark	S	8/1/50
HW-18907	Bibliography of Hanford Works Special Irradiation Requests	M. A. Boyd	S	9/22/50
HW-18908	Supplement to Bibliography of Hanford Works Special Irradiation Requests	M. A. Boyd	S	9/22/50
HW-19165	Corrosion of Construction Materials in TBP (HW-3 Flowsheet) Process Streams	W. W. Koenig K. L. Sanborn	S	11/1/50
HW-19487	Metallography of Aluminum-Lithium Alloys	J. W. Goffard	S	11/20/50
HW-19503	Progress Report for October, 1950 Chemical Research Section	O. F. Hill F. J. Leitz	S	11/17/50
HW-19581	Status of Hanford Requests as of November 30, 1950		S	12/1/50
KAPL-385	The Complete Solution of the One-Velocity Diffusion Problem at Intermediate and Large Distances	L. Tonks	U	8/3/50
KAPL-391	Concentration of Radioactive Liquid Waste by Evaporation	G. E. McCullough	OUO	9/22/50
KAPL-423	Fast Fuel Rod Design and Analysis (FFR-2)	C. R. Stahl et al.	S	6/5/50
KAPL-424	A Design Study of Fuel Rods for the Shipboard Intermediate Reactor	M. H. Shackelford	S	5/23/50

Index Number	Title	Author	Classification	Date
KAPL-427	Concentration of Wastes from Saltless Processes	J. A. Ayres	S	12/4/50
KAPL-428	Fiber Textures in Uranium	A. M. Turkalo et al.	C	8/21/50
KAPL-429	An Alpha Counter for Foil Scanning and Range Measurements	F. A. White et al.	S	11/28/50
KAPL-433	Separations Processes. Progress Report, October 1950		S	11/24/50
KAPL-434	Reactor Physics. Progress Report October 1950		S	11/17/50
KAPL-435	P-10 Project. Progress Report November 1950		S	
KAPL-438	Summary Technical Progress Report No. 40 for November 1950	K. H. Kingdon	S	12/7/50
KAPL-440	Waste Disposal Progress Report. October and November 1950		OUO	12/13/50
R-50GL231	Investigation of Liquid Metal Lubricated Bearings	H. Apkarian	C	11/27/50
SO-2010	Tracer and Other Techniques of Diffusion Measurements	R. E. Hoffman	U	10/50
Reports Received from Iowa State College:				
ISC-128	Progress Report in Metallurgy April 1, 1950 to Sept. 30, 1950	B. A. Rogers	S	11/10/50
ISC-130	Quarterly Summary Research Report for July, August and September 1950	W. E. Dreeszen	S	11/15/50
ISC-132	Some Investigations into Zirconium Alloy Systems	B. A. Rogers P. Chiotti	S	11/28/50
Reports Received from Library of Congress:				
C4201-4270	Technical Information Pilot		C	11/6/50
Misc-1950-16	European Scientific Notes Vol. 4, No. 22		U	11/15/50
U11231-11310	Technical Information Pilot		U	11/8/50
U11311-11390	Technical Information Pilot		U	11/14/50

Index Number	Title	Author	Classification	Date
U11391-11470	Technical Information Pilot		U	11/24/50
Reports Received from Los Alamos Scientific Laboratory:				
LA-1072	Health Division Annual Report. 1949. Progress Report		OUO	2/26/50
LA-1106	Plutonium Electropolishing Cell	K. S. Bergstresser	C	6/30/50
LA-1132	Radio Frequency Control of Mercury Systems	P. W. Byington	U	7/26/50
LA-1135	Proportional Counter Using Argon and Krypton at High Pressures	J. Wahl	U	8/1/50
LA-1151	Distribution and Excretion of Plutonium Administered Intravenously to Man	W. H. Langham et al.	C	9/20/50
LA-1163	Modification of the Los Alamos Fast Plutonium Reactor	J. H. Hall	S	9/26/50
LAMS-1121	Thermodynamic Functions of Several of the Lighter Elements	H. Mayer	OUO	9/30/50
Reports Received from National Advisory Committee for Aeronautics:				
NACA-INDEX 1915-1949	Index of NACA Technical Publications. 1915-1949		U	1949
NACA-ML-284	Monthly List of Documents Released by the NACA During November 1950		U	
NACA-TN-2216	Investigation of 75-Millimeter-Bore Cylindrical Roller Bearings at High Speeds. II. - Lubrication Studies - Effect of Oil-Inlet Location, Angle, and Velocity for Single-Jet Lubrication	E. F. Macks Z. Nemeth	U	11/50
NACA-TN-2217	Analysis of Plane-Stress Problems with Axial Symmetry in Strain-Hardening Range	M. H. Lee Wu	U	12/50
NACA-TN-2218	Diffusion of Chromium in α Cobalt-Chromium Solid Solutions	J. W. Weeton	U	11/50
NACA-TN-2223	Investigation of the Flow through a Single-Stage Two-Dimensional Nozzle in the Langley 11-Inch Hypersonic Tunnel	C. H. McLellan et al.	U	12/50

Index Number	Title	Author	Classification	Date
NACA-TN-2224	Multiple-Film Back-Reflection Camera for Atomic Strain Studies	A. B. Marmo	U	11/50
NACA-TN-2225	Bending and Buckling of Rectangular Sandwich Plates	N. J. Hoff	U	11/50
NACA-TN-2227	Relation Between Inflammables and Ignition Sources in Aircraft Environments	W. E. Scull	U	12/50
NACA-TN-2231	Comparison of Fatigue Strengths of Bare and Alclad 24S-T3 Aluminum-Alloy Sheet Specimens Tested at 12 and 1000 Cycles per Minute	F. C. Smith et al.	U	12/50
NACA-TN-2232	Stress and Distortion Analysis of a Swept Box Beam Having Bulkheads Perpendicular to the Spars	R. R. Heldenfels et al.	U	11/50
NACA-TN-2236	Supersonic Flow Around Circular Cones at Angles of Attack	A. Ferri	U	11/50
NACA-TN-2237	Correlations of Heat-Transfer Data and of Friction Data for Interrupted Plane Fines Staggered in Successive Rows	S. V. Manson	U	12/50
NACA-TN-2239	Theoretical Investigation of Transonic Similarity for Bodies of Revolution	W. Perl M. M. Klein	U	12/50
NACA-TN-2240	The Effect of Nonuniform Temperature Distributions on the Stresses and Distortions of Stiffened-Shell Structures	R. R. Heldenfels	U	11/50
NACA-TN-2241	A Numerical Method for the Stress Analysis of Stiffened-Shell Structures under Nonuniform Temperature Distributions	R. R. Heldenfels	U	11/50
NACA-TN-2243	Effect of Cell Shape on Compressive Strength of Hexagonal Honeycomb Structures	L. A. Ringelstetter et al.	U	12/50
NACA-TN-2244	A Comparison of Theory and Experiment for High-Speed Free-Molecule Flow	J. R. Stalder et al.	U	12/50

Index Number	Title	Author	Classification	Date
NACA-TN-2249	The Spanwise Distribution of Lift for Minimum Induced Drag of Wings Having a Given Lift and a Given Bending Moment	R. T. Jones	U	12/50
NACA-TN-2250	An Analysis of the Applicability of the Hypersonic Similarity Law to the Study of Flow About Bodies of Revolution at Zero Angle of Attack	D. M. Ehret et al.	U	12/50
NACA-TN-2256	Three-Dimensional, Unsteady-Lift Problems in High-Speed Flight - Basic Concepts	H. Lomax et al.	U	12/50
Reports Received from Naval Medical Center, Bethesda, Md.:				
NM 006 012. 04.28	Morphology and Enumeration of Human Blood Platelets	G. Brecher E. P. Cronkite	U	6/8/50
NM 006 012. 04.30	The Effect of Adrenalectomy on Radiation Induced Mortality of the Mouse	E. P. Cronkite W. H. Chapman	U	6/27/50
NM 006 012. 04.32	Mortality in Swine and Dose Distribution Studies in Phantoms Exposed to Super-Voltage X-Radiation	J. L. Tullis et al.	U	8/29/50
NM 006 012. 05.02	Sulfhydryl-Containing Agents and the Effects of Ionizing Radiations III. Studies on the Mechanism of the Protective Action of Glutathione	E. P. Cronkite et al.	U	6/27/50
NM 006 012. 05.03	Experimental Procedures for the Simultaneous Exposure of Large Numbers of Animals to Total Body X-Radiation	W. H. Chapman et al.	U	7/3/50
NM 007 039 Report 24	The Effect of Total Body X-Radiation, Antistine, and Pyribenzamine on the Phagocytic Function of the Reticulo-Endothelial System in Rabbits Injected Intravenously with Radioactive Colloidal Gold	J. Barrow et al.	U	7/25/49
Reports Received from Naval Radiological Defense Laboratory:				
AD-109(I)	Evaluation Report: Beckman Model MX-5 Portable Radiac Set	J. S. Denham W. R. Lamb	R	4/21/49
AD-256(R)	Quarterly Progress Report. Part A	W. H. Sullivan	C	9/30/50

Index Number	Title	Author	Classification	Date
AD-259(P)	Silver-Bearing Phosphate Glasses as Dosimeters	R. S. Alger	U	10/17/50
AD-262(S)	An Introduction to the U. S. Naval Radiological Defense Laboratory		C	9/50
Reports Received from North American Aviation:				
NAA-SR-94	Corrosion Problems in the NPR	R. L. Loftness M. H. Feldman	S	
Reports Received from Oak Ridge National Laboratory:				
CF-50-12-4	Purex Process Flowsheet No. 2	W. B. Lanham F. R. Bruce	S	12/4/50
ORNL-748 Supplement	Shield Calculations for Lead and Water Mixtures	F. H. Murray	S	12/11/50
ORNL-769	Health Division Report for the Month Ending April 30, 1950	J. S. Felton	U	12/13/50
ORNL-770	Health Division Report for the Month Ending May 31, 1950	J. S. Felton	U	12/14/50
ORNL-816	A Preliminary Survey of Radioactive Constituents in Rainwater at ORNL	W. A. Brooksbank, Jr. et al.	S	12/4/50
ORNL-824	The Corrosion of Miniature Fuel Plates in Simulated Reactor Cooling Water	J. L. English	S	12/18/50
ORNL-827	Metallurgy Division Quarterly Progress Report for Period Ending July 31, 1950	E. C. Miller W. H. Bridges	S	12/4/50
ORNL-837	Health Division Report for the Month Ending June 30, 1950	J. S. Felton	U	12/13/50
ORNL-841	Tantalum Phosphate - A New Compound	R. E. Hahn	U	12/13/50
ORNL-858	The Aircraft Nuclear Propulsion Project Quarterly Progress Report for Period Ending August 31, 1950	C. B. Ellis W. E. Thompson	S	12/4/50
ORNL-868	Service (Abrasion) Testing of Selected Protective Coatings	C. D. Watson G. A. West	U	12/11/50
ORNL-875	The Total Neutron Cross Sections of Ni^{58} and Ni^{60}	C. P. Stanford	U	12/11/50

Index Number	Title	Author	Classification	Date
ORNL-877	Health Physics Division Quarterly Progress Report for Period Ending October 20, 1950	K. Z. Morgan F. Western	U	12/11/50
ORNL-884	Ionization and Excitation Losses of Charged Particles of Intermediate Energies	J. Neufeld	U	12/14/50
ORNL-885	Chemical Technology Division Pilot Plants Section Report for Septemper - October 1950	D. G. Reid	S	11/28/50
ORNL-890	Evaluation of Tributyl Phosphate in Jet Mixing Columns as a Solvent for Uranium Extraction from Slurry-Type Ore Feeds	T. C. Runion J. H. Yeager	S	12/7/50
ORNL-903	Oak Ridge National Laboratory Status and Progress Report. November 1950	W. E. Thompson	S	12/3/50
ORNL Drawing No.9563	Purex Process - First Cycle		S	8/50
ORNL Drawing No.9564	Purex Process - Second Plutonium Cycle		S	8/50
ORNL Drawing No.9565	Purex Process - Second Uranium Cycle		S	8/50

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

A-55(AEI)	Gas Recovery and Storage System for Pressurized Electrostatic Generator (British)	S. E. Hunt	U	8/49
ADR-124 Part B	Quarterly Progress Report. June 1949. (Naval Rad. Defense Lab.)		S	6/3/49
AERE-C/R-411	The Chemistry of Ruthenium with Reference to the Plutonium Extraction Process. Part II. The Determination of Fission Product Ruthenium (British)	E. Bush G. L. Miles	S	9/49
AERE-G/R-233	The Kicksorter Scale of Ten (British)	G. A. Howells	U	8/9/48

Index Number	Title	Author	Classification	Date
AERE-Inf/Bib-65	Bibliography of Unclassified Reports and Published Literature on Tritium (British)		U	5/11/50
AERE-T/R-108	A Method of Calculating the Critical Dimensions of Spherically Symmetrical Reactors - I (British)	H. Melvin-Melvin	S	11/30/50
AERE-X/R-499(1)	Chemistry of Ruthenium in Nitric Acid Solutions (British)	N. R. W. Benwell et al.	S	2/50
AERE-X/R-499(2)	Chemistry of Ruthenium in Nitric Acid Solutions (British)	N. R. W. Benwell et al.	S	6/50
AFTR-4552 (Rev. 1)	Air Flow Orifices for Use in Determining Air Flow During the Tests of Air Pumps	A. Evans W. M. Hynes	U	3/4/46
ARSC-16 Deleted	Decontamination of Waste Gases (Air Reduction Sales Co.)	A. M. Lyon	S	2/7/49
BMI-98	Beta-Counting Methods Applied to the Determination of Uranium Low-Grade Ores (Battelle)	J. R. Doig et al.	S	7/47
BMI-508	Progress Report on Zirconium Research and Development (Battelle)	H. H. Bulkowski et al.	OUO	7/20/50
C-15	A New Type of Adjustable Leak for High Vacuum Systems (Clinton Lab.)	D. A. MacRae R. C. Wright	R	5/1/46
COO-17	Nuclear Physics Program. Progress Report for the Period Nov. 1, 1949 to June 30, 1950 (Case Inst. of Tech.)		U	6/30/50
CREL-452	An Improved D. C. Amplifier for Portable Ionization Chamber Instruments (Canadian)	N. F. Moody	OUO	7/18/50
CRL/AE-17	Chemical Methods for the Estimation of Uranium in Minerals and Ores with Special Reference to High Grade Materials (British)	W. Ryan	S	5/48
CRL/AE-21	The Colorimetric Determination of Small Amounts of Uranium by the Hydrogen Peroxide Procedure (British)	M. R. Begg et al.	S	8/48

Index Number	Title	Author	Classification	Date
CRL/AE-51	Measurement of Radioactive Carbon (C^{14}) by Gas Counting of Carbon Dioxide (British)	B. N. Audrie J. V. P. Long	U	3/50
CRL/AE-54	A Study of the Determination of Uranium by Measurement of Fluorescence (British)	S. Jacobs	U	4/50
CRM-455	The Estimation of Radioactive Strontium and Other Fission Products in Urine and Water (Canadian)	C. A. Mawson I. Fischer	U	
CRP-459	Cadmium Ratios with Thin and Thick Indium Foils in the NRX Pile and in Other Lattices (Canadian)	B. W. Sargent J. C. Duckworth	S	9/12/50
CRR-443	The Production of Pu^{238} in Pile-Irradiated Uranium (Canadian)	G. C. Hanna B. G. Harvey	S	6/20/50
DPGSR-19	Dugway Proving Ground Field Sampling Method for Non-Persistent Gases	C. W. Huffman M. Dole	C	
HRAC-89	Minutes of the Thirty-Eighth Meeting of the Health Radiation Advisory Committee of the Canadian Atomic Energy Project, Held on April 13, 1950 (Canadian)	M. T. Beam	S	4/25/50
HRAC-91	Minutes of the Thirty-Ninth Meeting of the Health Radiation Advisory Committee of the Canadian Atomic Energy Project, Held on May 11, 1950 (Canadian)	M. T. Beam	S	
HRAC-93	Minutes of the Fortieth Meeting of the Health Radiation Advisory Committee of the Canadian Atomic Energy Project, Held on June 22, 1950 (Canadian)	M. T. Beam	S	
HW-15995	Summary of Available Literature on Tritium Classified, Declassified and Open (Hanford)	E. Newcomb	S	2/3/50
HW-17318	P-10 Chemical Equilibria (Hanford)	W. C. Roesch	S	3/23/50
ISC-94	Preparation of Zirconium Metal (Iowa State College)	K. A. Walsh	S	7/14/50

Index Number	Title	Author	Classification	Date
ISC-102	Some Studies on the Uranium - Thorium - Zirconium Ternary Alloy System (Iowa State College)	O. N. Carlson	S	6/5/50
ISC-103	Thorium-Carbon System (Iowa State)	P. Chiotti	S	6/5/50
ISC-118	The Structure of Dimethylberyllium (Iowa State College)	A. I. Snow R. E. Rundle	U	10/17/50
ISC-120	1,2,-Cycloheptanedionedioxime as a Microgravimetric Reagent for Nickel (Iowa State College)	R. C. Ferguson et al.	U	8/19/50
ISC-124	A Polarographic Investigation of Iron-Sulfosalicylate Complex Ions (Iowa State College)	C. V. Banks J. H. Patterson	U	10/6/50
M-4472	Methods of Calculating Shielding for Extended Sources (Kellex)	J. J. Taylor	C	6/18/48
Misc-1950-2	Foreign Documents Division Consolidated Translation Survey Number 13. For October 1950		S	11/27/50
Misc-1950-46	National Defense Review Vol. 7, No. 5		R	11/30/50
MITG-227	Quantitative Determination of Beryllium by Use of the Photodisintegration Reaction (MIT)	J. H. Pannell	U	9/15/50
MITX-2 Tech.Rep.1	X-Ray Diffraction Studies of Cold Work in Metals; Solid Solutions and Grain Boundaries. Tech. Report No. 1, Scope II (MIT)	B. E. Warren B. L. Averbach	U	7/26/50
NEPA-1109	Progress Report No. 16 on Be-C Equilibria (Univ. of Minn.)	R. L. Dowdell	R	8/15/50
NEPA-1172	Progress Report of NEPA Group at Iowa State College	A. H. Daane et al.	U	
NEPA-1234	Fourth Informal Monthly Report on Development of Metal-Ceramic Compositions Suitable for Service at Elevated Temperatures (MIT)	W. D. Kingery et al.	U	11/49
NEPA-1247	Progress Report No. 16. November 16 - December 15, 1950 (Metal Hydrides Inc.)	T. R. P. Gibb, Jr.	C	12/16/49

Index Number	Title	Author	Classification	Date
NEPA-1254	Radiation Biology Relative to Nuclear Energy Powered Aircraft		R	1/5/50
NEPA-1311	Progress Report No. 18. Jan. 16 to Feb. 15, 1950 (Metal Hydrides)		C	2/16/50
NEPA-1318	Creep Tests on Graphite (Nat'l Bureau of Standards)	M. D. Burdick	U	2/22/50
NEPA-1350	Progress Report No. 19. Feb. 16 to March 15, 1950 (Metal Hydrides)	T. R. P. Gibb, Jr.	C	3/18/50
NEPA-1387	Progress Report No. 20. March 16 to April 15, 1950 (Metal Hydrides)	T. R. P. Gibb, Jr.	C	4/18/50
NEPA-1477	Monthly Progress Report Covering the Period May 15 - June 10. (Calif. Res. and Development)	R. O. Bolt F. A. Christiansen	C	6/15/50
NEPA-1537	Monthly Progress Report. July 15, 1950 - August 15, 1950 (Calif. Res.)	R. O. Bolt J. G. Carroll	C	8/15/50
NEPA-1576	Monthly Progress Report. August 15, to September 15, 1950 (Cal. Res.)	R. O. Bolt J. G. Carroll	C	9/18/50
NP-1520	Progress Report No. 7. Dec. 15, 1949 to March 15, 1950 (Mine Safety Appliances Co.)	S. L. Walters W. H. Schechter	R	
NP-1576	Quarterly Progress Report No. 2 (August to October 1949) Minn. Mining & Mfg. Co.	W. H. Pearlson	R	12/15/49
NP-1593	Tube Noise (Bureau of Mines, Canada)	R. D. Wilmot	U	2/26/49
NP-1767	The University of Chicago 170-Inch Synchrocyclotron. Progress Report III. July 1949 - July 1950	H. L. Anderson J. Marshall	U	
NP-2123	A New Ion Source (German)	H. Heil	U	1942
NP-2205	Report on Activities of the Swedish Atomic Committee. 1945-1949 (Swedish)		R	6/50
NYDO-39	Production and Development of Zirconium	B. Anscher	S	10/14/48

Index Number	Title	Author	Classification	Date
NYO-1029	The Production of Zirconium by Fused Salt Electrolysis (Horizons Inc.)	M. E. Sibert et al.	OUO	8/4/50
NYO-1309	Semi-Final Report on the Corrosion Resistance of Several Alloys in an HF-H_2O Atmosphere at High Temperatures (Mallinckrodt Chemical Works)	C. F. Ritchie E. K. Teter	C	8/3/50
NYO-1525	High Efficiency Collection of Radioactive Dust (Mallinckrodt Chem. Works)	K. J. Caplan	U	4/10/50
NYOO-74	Development of Boron-Lined Neutron-Counter Tubes (General Electric).	E. P. Kozoriz et al.	U	7/13/49
NYOO-1009	Distillation Separation of Zirconium and Hafnium. Summary Report for February 14, 1949 to March 31, 1950 (Univ. of Louisville)	G. C. Williams et al.	C	8/1/50
ONRL-48-50	High Frequency Betatron. (Office of Naval Research)	G. F. Hull, Jr.	U	4/20/50
OSRD-1692	Final Report on Use of Sulfur Boiler for Smoke Generation to Dec. 31, 1942 (MIT)	W. K. Lewis	U	8/9/43
OSRD-6492	Final Report on Pyrolytic Plating from the Carbonyls of Molybdenum, Tungsten, and Chromium (Bell Tel.)	L. H. Germer J. J. Lander	C	11/30/45
OSRD-6493	The Semicommercial Preparation of Molybdenum Carbonyl (Climax Molybdenum Co.)	A. L. McCoy	C	7/20/45
PR-P-7E	Progress Report of Electronics Branch. April - August, 1950 (Canadian)	N. F. Moody	OUO	
RIB-6	Compendium of Research and Development Activities in Radiation Detection Instrumentation		C	8/50
TCIR-562	A Survey of RW Clothing Decontamination (Army Chem. Center)	J. A. Pierce, Jr.	S	5/18/50
TID-363	Radium. A Bibliography of Unclassified Literature		U	7/50
TID-372	The Interaction of Tritons with Protons and Tritons (Los Alamos)	A. Hemmendinger	U	7/50

Index Number	Title	Author	Classification	Date
TID-374	Monthly Divisional Information Meeting Isotope Research and Production Division, Y-12 (Carbide and Carbon)		S	7/21/50
TID-383	Library Bulletin		OUO	11/50
TID-385	The Elements of Nuclear Reactor Theory. Part II	S. Glasstone M. C. Edlund	S	11/50
TID-386	The Elements of Nuclear Reactor Theory. Part III	S. Glasstone M. C. Edlund	S	11/50
Reports Received from Department of Engineering, University of California:				
HE-150-74	Forced Convection Heat Transfer from Cylinders and Spheres in a Rarefied Gas	R. M. Drake, Jr. et al.	U	11/15/50
Reports Received from University of California at Los Angeles:				
UCLA-100	A Study of the Acute and Chronic Toxicity of Toluidine Blue and Related Phenazine and Thiazine Dyes	T. J. Haley F. Stolarsky	U	11/30/50
UCLA-101	The Effect of Topically Applied Adrenergic Blocking Agents upon the Peripheral Vascular System	T. J. Haley M. Andem	U	12/15/50
Reports Received from University of Rochester:				
UR-121	The Effects of Chronic Exposure to Roentgen Radiation on the Peripheral Blood of Experimental Animals	M. Ingram W. B. Mason	U	7/17/50
UR-122	The Effects of Acute Exposure to Roentgen Radiation on the Peripheral Blood of Experimental Animals	M. Ingram W. B. Mason	U	7/17/50
UR-123	The Pathological Changes Exhibited by Animals Exposed to Single Doses of X-Radiation	R. G. Metcalf et al.	U	7/17/50
UR-126	Oscillating Thermal Precipitator	S. Laskin	U	7/24/50
UR-131	Preparation of Tissue Sections for Examination in the Electron Microscope	M. L. Watson B. L. Jacobson	U	8/10/50

Index Number	Title	Author	Classification	Date
UR-136	Some Observations on the Dynamics of Calcification	H. C. Hodge	U	10/11/50
UR-137	Experimental Confirmation of a Previously Reported Unusual Finding in the Blood of Cyclotron Workers	M. Ingram S. W. Barnes	U	10/10/50
UR-138	Radioiodine (I^{131}) Principles of Diagnosis and Treatment of Thyroid Disease	B. J. Duffy, Jr. J. W. Howland	U	10/25/50
UR-139	Health Hazards in Radiation Work	M. Ingram	U	10/25/50
UR-142	Quarterly Technical Report. July 1, 1950 through Sept. 30, 1950		U	11/1/50
UR-143	Manifold Effects of 2,4-Dinitrophenol on the Metabolism of Living Yeast Cells	A. Rothstein H. Berke	U	11/7/50
UR-144	The Synergistic Effects of Cortisone and Insulin on Lipogenesis in the Perfused Rat Liver as Studied with α-C^{14}-Acetate	K. I. Altman et al.	U	11/29/50
Reports Received from Miscellaneous Sources:				
COO-20	Room and Elevated Temperature Properties of Powder Extruded Magnesium Alloys Containing Aluminum, Beryllium and Zirconium. Quarterly Status Report of Dow Chemical Co., Aug. 1, 1950 - Nov. 1, 1950		U	
Misc-1950-1	Technical Data Digest (CADO) Vol. 15, No. 12		U	12/50
Misc-1950-18	Radet Vol. 3, No. 10 Vol. 3, No. 11		OUO OUO	10/50 11/50
Misc-1950-119	Some Physicochemical Studies on Gallium (III) Salt Solutions	T. Moeller G. L. King	U	10/50
	Relationships Among the Ultraviolet Absorption Spectra of the 8-Quinolinol Chelates of the Group III-B Elements	T. Moeller A. J. Cohen	U	1950
	Spectrophotometric Estimation of Gallium in the Presence of Aluminum (Univ. of Illinois)	T. Moeller A. J. Cohen	U	1950

Index Number	Title	Author	Classification	Date
Misc-1950-130	Compilation and Summary of October Quarterly Forecasts of Hanford Irradiations	C. H. Hogg	S	
Misc-1950-139	High Energy Nuclear Events (Univ. of Chicago)	E. Fermi	U	
Misc-1950-140	Angular Distribution of the Pions Produced in High Energy Nuclear Collisions (Univ. of Chicago)	E. Fermi	U	
Misc-1950-146	Critical Constants, Boiling Points, Triple Point Constants and Vapor Pressures of the Six Isotopic Hydrogen Molecules, Based on a Simple Mass Relationship (Ohio State Univ.)	A. S. Friedman et al.	U	11/9/50
Misc-1950-147	The Scattering of Positrons and Electrons by Nuclei (Princeton)	H. J. Lipkin	U	
Misc-1950-148	Titanium. Report of Symposium 16 December 1948 sponsored by Office of Naval Research, Dept. of the Navy, Washington, D. C.		U	
Misc-1950-149	Circuit Manual (Cornell Univ.)	U		
Misc-1950-150	The Thermodynamic Functions of Lead Tetramethyl (Univ. of Conn.)	E. R. Lippincott M. C. Tobin	U	
Misc-1950-151	Scintillation Counting Equipment (R-C Scientific Instrument Co.)		U	
MIT-ELEC-Tech.Rep.151	High-Frequency Ultrasonics II. 280 to 560 Mc/Sec	R. A. Rapuano	U	4/15/50
MIT-NSE-PR-10/1/50	Progress Report. MIT Laboratory for Nuclear Science & Engineering		U	10/1/50
MIT-NSE-Tech.Rep.38	Nuclear Shielding Studies VII. Nuclear Principles of Nuclear Shielding	C. Goodman	U	1/18/50
MIT-NSE-Tech.Rep.44	Reprints. January 1, 1950 to July 1, 1950		U	10/26/50
NEPA-1590	Study of Generalized Diluents in Reactors of Fixed Geometry	W. H. Long	S	10/20/50

Index Number	Title	Author	Classification	Date
NP-1806	Monthly Research Report. Office of Naval Research		C	11/50
R-198 RAND	Structural Weight Analysis -- Wing Weight Equations	W. R. Micks	U	12/50
SO-3001	Electric Resistance Sintering (Rensselaer Polytechnic Inst.)	A. D. Backensto, Jr. et al.	C	10/31/50
WAPD-MR-10 Modified	Monthly Technical Progress Report. Westinghouse Atomic Power Division. Naval Reactor Program. October 1950		S	10/50

Index Number	Title	Author
MDDC and AECD Documents Received:		
1067	Preliminary Compilation of Data on the Non-Fission Nuclei	W. H. Sullivan
1775-J	A Study of Sm and Eu Activities Induced by Deuteron and Neutron Irradiation of Sm	J. A. Marinsky L. E. Glendenin
2798	Determination of Oxygen in Zirconium Metal	E. B. Read L. P. Zopatti
2809	Mathematical Data for Electron Drain	S. E. Rauch
2817	Fission Product Yields	K. Way N. Dismuke
2819	A Method for the Spectrographic Determination of Impurities of High Concentration in Uranium Oxides	L. E. Burkhart
2824	The Rapid Fluorimetric Determination of Uranium in Low-Grade Ores. A Preliminary Report	F. S. Grimaldi H. Levine
2825	A Direct Quantitative Fluorimetric Method for the Determination of Small Amounts of Uranium in the Field and Laboratory.	F. Grimaldi et al.
2851	Magnetic Amplifier Voltage Regulator	J. L. Wolff, Jr.
2855	The Energy Loss of Particles Traversing a Slab of Finite Thickness	F. H. Murray
2859	Some Physical Aspects of the Effects of Beta Radiation on Tissue	H. M. Parker
2864	Design of Ether-Water Contacting System. Final Report	J. B. Tepe W. K. Woods
2865	Preparation of Ductile Vanadium by Calcium Reduction	R. K. McKechnie A. U. Seybolt
2868	Study of a Titrimetric Micro-Determination of Carbonate	A. F. Stehney D. N. Hume
2871	Heavy Water	F. T. Barr
2872	Activity in Tissues Induced by Slow Neutron Bombardment	H. J. Curtis J. D. Teresi
2880	The New Element Berkelium (Atomic Number 97)	S. G. Thompson et al.

Index Number	Title	Author
2882	The Metallography of Zirconium	H. P. Roth
2886	The Relationship of the Cell Surface to Metabolism; VII. The Chemical Nature of Uranium-Complexing Groups of the Cell Surface	A. Rothstein et al.
2890	Isolation of Microgram Quantities of Naturally-Occurring Plutonium and Examination of its Isotopic Composition	D. F. Peppard et al.
2904	Fast Neutron Data; ORNL Summer Shielding Session	H. Feshbach
2906	Tolerable Concentration of Product in Drinking Water	H. M. Parker
2907	Tolerable Concentration of Radio-Iodine on Edible Plants	H. M. Parker
2910	Magnetic Susceptibilities of Some Uranium and Plutonium Salts	N. Elliott W. B. Lewis
2911	New Studies in the Isolation and Properties of Curium	W. W. T. Crane I. Perlman
2918	Heat and Free Energy of the Reaction of $AmCl_{3(c)} + H_2O_{(g)} = AmOCl_{(c)} + 2HCl_{(g)}$	A. Broido B. B. Cunningham
2923	Design and Testing of a Teflon Lined Plug Valve Period of Work: April 29, 1948 - Aug. 9, 1948	C. D. Watson G. A. West
2939	Isotope Shifts in Thorium - Th^{230} and Th^{232}	G. L. Stukenbroeker J. R. McNally, Jr.
2944	The L X-Ray Spectra from Radioactive Decay of Transuranium Elements	G. W. Barton, Jr. et al.
2974	The Production of Uranium and Thorium in the Powder Form	P. Chiotti B. A. Rogers
2990	New Hot Laboratories at Argonne	H. L. Hull et al.

AECU Documents Received:

82	Further Studies on the Scattering of Neutrons by Protons	L. Goldstein
171	Metal Carbonyls, Part II. A Bibliography of Published Literature	F. Croxton

Index Number	Title	Author
716	Nuclear Emulsions and the Measurement of Low Energy Neutron Spectra	N. Nereson F. Reines
722	The Kinetics of the Exchange of Sulfur Between Thiosulfate and Sulfite	D. P. Ames J. E. Willard
728	Investigation of Nuclear Energy Levels in Sulfur	R. E. Peterson et al.
812	An Empirical Titrimetric Method for the Determination of Beryllium	J. H. McClure C. V. Banks
846	Spectrophotometric Determination of Beryllium in Aluminum by Means of the Sulfosalicylate Complex	H. V. Meek C. V. Banks
849	The Irradiation of Small Volumes by Contained Radioactive Isotopes	P. I. Richards B. A. Rubin
853	The Relationship of Lysozyme to Other Components of Gastric Secretion in Peptic Ulcer	R. W. Reifenstein et al.
857	Neutron Spectrum for Protons on Be^9	V. R. Johnson et al.
872	Inhibition of the Uptake of Radioactive Phosphate by Human Erythrocytes *in Vitro*	D. R. H. Gourley
874	Observations on the Mechanism of Hemolytic Transfusion Reactions Occurring without Demonstrable Hemolysin	W. B. Castle et al.
875	An Instrument for Internal Standard Flame Photometry and its Application to the Determination of Calcium in the Rare Earths	R. H. Heidel V. A. Fassel
876	Solubility of the Rare Earth Oxalates and Complex Ion Formation in Oxalate Solution; II. Neodymium and Cerium (III)	C. E. Crouthamel D. S. Martin, Jr.
877	The Disintegration of Praseodymium 142	E. N. Jensen et al.
878	Spectrophotometric Determination of Nickel in Calcium Metal Using Nioxime (1,2-Cyclohexanedionedioxime)	R. C. Ferguson C. V. Banks
879	Zirconium-Chloranilate Complexes	B. J. Thamer A. F. Voigt

Index Number	Title	Author
880	On Basic Concepts in Surface Thermodynamics	R. S. Hansen
882	First-Forbidden Beta Spectra and the Beta Spectrum of $Sr^{90} - Y^{90}$	L. J. Laslett et al.
884	Structure of $BaTiO_3$	E. G. Grimsal
885	Studies on the Destruction of Red Blood Cells; VIII. Sickle Cell Disease; Molecular Orientation in Solutions of Sickle Cell Hemoglobin and Its Clinical Significance	J. W. Harris S. J. Bunting
887	Study of the Fischer Tropsch Reaction Using Deuterium Gas	S. O. Thompson et al.
889	Elementary Chemical Processes in Radiobiological Reactions	M. Burton
891	Latitude Effects for Stars; I. Production Rates and Prong Distributions	E. O. Salant et al.
892	A Study of the Interaction of Ethylene and Deuterium	J. Turkevich et al.
893	Measurement of Absolute Electron Capture Rates; Application to the Decay of Ni^{57}	G. Friedlander et al.
903	Paramagnetic Susceptibilities of Solid Solutions of MnF_2 and ZnF_2	L. Corliss et al.
905	Latitude Effects for Stars; II. Shower Particles	E. O. Salant et al.
906	Isomerism in Pb^{204} and Memory in Angular Correlation	A. W. Sunyar et al.
907	The Exchange Reaction Between Ferrous and Ferric Ions in Perchloric Acid Solutions	R. W. Dodson
912	Victoreen Instruction Manual; Audeton, Model 376; Pocket Audio Detector; Technical Report	
916	Ring Focusing in a Thin Lens Beta-Ray Spectrometer	W. W. Pratt et al.
918	Proton-Neutron Reactions and Thresholds	H. T. Richards et al.
919	Quantitative Spectrographic Analysis of Zirconium-Hafnium Mixtures	V. A. Fassel C. H. Anderson

Index Number	Title	Author
924	The Auto-Reduction of Am(VI) and Am(V) in Dilute Acid	L. B. Asprey S. E. Stephanou
925	The Disproportionation of Americium (V)	S. E. Stephanou et al.
930	A Method for the Prevention of Leaching and Chemical Fogging in Nuclear Track Autoradiographs, and the Maintenance of High Sensitivity and Latent Image Stability	A. I. Williams
939	Cross Section for the Reaction $T(d,n)He^4$	T. W. Bonner

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