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Radiation Laboratory

Contract No. W-7405-eng-48

**LIST OF UNCLASSIFIED REPORTS RECEIVED IN THE UCRL INFORMATION  
DIVISION DURING THE PERIOD OF FEBRUARY 16-28, 1954**

March 4, 1954

Berkeley, California

LIST OF CODES FOR REPORT NUMBERS

ACCO	- American Cyanamid Co.	NAA	- North American Aviation, Inc.
AERE	- Atomic Energy Research Establishment, Harwell, England	NBS	- National Bureau of Standards
ANL	- Argonne National Lab.	NM	- Naval Medical Research Institute
ANP	- Aircraft Nuclear Propulsion Project	NRL	- Naval Research Lab.
APEX	- Armed Services Technical Information Agency	NYO	- New York Operations Office
ASTIA	- Battelle Memorial Institute	ONRL	- Office of Naval Research, London
BMI	- Brookhaven National Lab.	ORNL	- Carbide and Carbon Chemicals Co. (ORNL)
BNL	- Chicago Operations Office	ORO	- Oak Ridge Operations Office
CO	- Chalk River Project, Canada	RMO	- Division of Raw Materials
CRC		SEP	- Sylvania Electric Products, Inc.
CRE		SO	- Schenectady Operations Office
CRP		TEI(M)	- U. S. Geological Survey
CU	- Columbia University	TID	- Technical Information Service
DOW	- Dow Chemical Company	UCLA	- University of California Medical Research Lab.
DP	- du Pont, Wilmington	UR	- University of Rochester
FMPC	- Feed Materials Production Center at Fernald	USNRDL	- U. S. Naval Radiological Defense Lab.
GEL	- General Electric Co., General Engineering Lab.	WAPD	- Westinghouse Electric Corp., Atomic Power Division
HW	- Hanford Works, Richland	WASH	- Atomic Energy Commission, Washington
IDO	- Idaho Operations Office	Y	- Carbide and Carbon Chemicals Co. (Y-12 Plant)
ISC	- Iowa State College		
JENER	- Joint Establishment for Nuclear Energy Research, Norway		
K	- Carbide and Carbon Chemicals Co. (K-25 Plant)		
KAPL	- Knolls Atomic Power Lab.		
KLX	- Vitro Corp. of America		
LAMS	- Los Alamos Scientific Lab.		
LA			
LRL	- California Research and Development Co.		
LWS	- Massachusetts Institute of Technology		
MIT	- Mound Laboratory		
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BIO-SCIENCES			
AERE-EL/R-1250	The Measurement of Gamma-Radiation from the Human Body	D. Taylor J. Rundo et al	9/22/53
AMRL-102	Studies on the Protective Action of Sulfhydryl Compounds Against X-Irradiation	W. Parr N. Puckett et al	11/12/52
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NYO-4023	The Differential Effect of X-Irradiation on the Incorporation of Desoxyribonucleic Acid Precursors	H. Harrington P. Lavik	2/1/54
NYO-4458	The Growth and Development Program of the Atomic Bomb Casualty Commission - Analysis of Body Measurements Taken in 1951 on 4,800 Hiroshima Children	E. Reynolds	6/12/52
ORNL-1655	Cloud Chamber for Measuring the Particle Density of an Aerosol	B. Saunders	2/19/54

ORNL-1656	Electrostatic Precipitator for Measuring Particle-Size Distribution in Aerosols	B. Saunders	2/8/54
ORNL-1666	Solid Aerosol Generation	W. Cottrell	2/5/54
UCLA-280	An Improved Method for the Isolation of Sodium Desoxyribonucleate from <u>E. Coli</u>	A. Norman N. Simmons	2/19/54
UR-292	Effects of Daily Low Doses of X-Rays on Spermatogenesis in Dogs	G. Casarett	11/25/53
UR-297	A Study of the Effects of Insulin and of Mercury on the Utilization of Monosaccharides by Excised Rat Diaphragm	D. Demis	12/14/53
UR-291	Prenatal Mortality Rates of Seventeen Radiation Induced Translocations in Mice	E. Otis	11/23/53
USNRDL-423	Combined Effects of Total Body X Irradiation and Radiant Energy Thermal Burns II. Anemia	A. Davis E. Alpen et al	11/23/53
USNRDL-419	Combined Effects of Total Body X Irradiation and Radiant Energy Thermal Burns. III. Osmotic and Mechanical Fragility of the Erythrocyte	E. Alpen J. Alexander et al	11/23/53

CHEMISTRY AND METALLURGY

AERE-C/R-1274	The Determination of Gaseous Elements in Metals by Vacuum Fusion on a Micro Scale: An Improved Apparatus	J. Gregory D. Mapper	11/53
AERE-N/R-1254	The Half Life of Long Lived Kr <sup>85</sup>	J. Turner	9/3/53
AERE-M/R-1290	Plasticity of Hexagonal Metals and Its Variation with Temperature	S. Pugh	10/53

AERE-C/R-1288	The Determination of Titanium in Uranium-Titanium Alloys by Differential Absorptiometry	G. Milner P. Phennah	11/14/53
AERE-C/R-1286	The Thermal Decomposition of Thorium Oxalate	R. D'Eye P. Sellman	11/2/53
AERE-M/R-1296	Pitting Corrosion of Aluminum: The Significance of Cationic Equilibria in Demineralised Water	J. Wilkins	11/18/53
AERE-M/TN-22	A Review of Surface Effects on the Mechanical Properties of Metal	J. Glen	11/53
AERE-M/R-1298	Molecular Weight Changes in the Degradation of Long Chain Polymers	A. Charlesby	11/18/53
ANL-5203	Vapor Pressure of Uranium	E. Rauh R. Thorn	1/8/54
AERE-C/R-1276	The Determination of Dysprosium in Holmium Oxide by Radioactivation Analysis	G. Phillips F. Cornish	10/11/53
AERE-C/R-1264	The Isotopic Determination of Water by Infra-Red Spectrometry	J. Gaunt	10/22/53
AECU-2737	Continuous Countercurrent Ion Exchange with Trace Components - Technical Report Number 5	N. Hiester E. Fields et al	6/24/53
AECU-2742	Countercurrent Ion Exchange - Final Summary Report	N. Hiester R. Phillips	6/30/53
AERE-M/R-1192	Cleavage Deformation in Zinc and Sodium Chloride	P. Pratt	5/15/53
AERE-M/R-1256	The Anodic Oxidation of Uranium	O. Flint J. Polling A. Charlesby	9/23/53

AERE-M/R-1249	An Apparatus for the Electropolishing of Uranium	E. Sykes V. Haddrell et al	10/14/53
AERE-EL/R-1175 (Rev. Ver. of AERE-G/R-244)	The Radiometric Assay of Uranium and Thorium Ores	E. Franklin R. Barnes	1953
AECU-2738	Countercurrent Ion Exchange with Gross Components. Part I In an Equilibrium Stage Contactor. Part II In a Continuous Countercurrent Column - Technical Report Number 6	N. Hiester R. Phillips R. Cohen	6/25/53
COO-146	Progress Report Covering the Period March to December 1953 Investigation of Imperfections in Solids	T. Neubert	1/15/54
ISC-354	Conductances and Transference Numbers of Some Rare Earth Perchlorates, Sulfates and Nitrates in Aqueous Solution	S. Jaffe F. Spedding	6/53
ISC-438	The Kinetics of the Reduction of Perchlorate Ion by Ti (III) in Dilute Solution	F. Duke P. Quinney	1/13/54
ISC-441	The Kinetics of the Periodate Oxidation of Ethylene Glycol and a Series of Methylated Ethylene Glycols	F. Duke V. Bulgrin	1/13/54
K-1096	An Infrared Band of a Molecular Complex Between Hydrogen Fluoride and Chlorine Trifluoride	J. Pemsler D. Smith	1/29/54
MIT-NS-PRG-RPT-11/30/53	Progress Report November 30, 1953	M. I. T. Lab. for Nuclear Science	
MIT-NS-TEC-RPT. No. 63	A Radiochemical Study of Fission Yields in the Region of Shell Perturbations and the Effect of Closed Shells in Fission	A. Pappas	9/15/53

NBS-2837	Determination of Carbon-14 in Solutions of Labeled Materials by Means of a Proportional Counter	A. Schwebel H. Isbell J. Moyer	11/15/53
NNES IV14A	The Actinide Elements	G. Seaborg J. Katz	
NBS-3092	Fluorine Substitution in Hydrous Silicates and Related Minerals	A. Valkenburg G. Rynders	12/53
NM-000-018.06 Memo 53-20	Adsorption on Proteins and Interactions Between Protein Molecules in Solution	T. Hill	10/20/53
NSF-tr-168	On the Theory of the Fine Structure of the X-Ray Absorption Spectra of Ions in Solutions	E. Vainshtein	1/54
NSF-tr-175	The Magnitude of the Optical Anisotropy of the Benzene and Carbon Disulfide Molecules as Determined by Light Scattering in Solutions	M. Vuks V. Yelfimov	1/54
NYO-6291	Study of Metal-Ceramic Interactions at Elevated Temperatures - Progress Report April 1 through June 30, 1953	F. Norton W. Kingery	7/1/53
NYO-6347	Acetylacetone as an Analytical Extraction Agent (Thesis)	J. Steinbach	1953
ORNL-1445	An Improved Fluorophotometer for Determination of Uranium in Fused Sodium Fluoride Pellets	M. Kelley H. Hemphill D. Collier	2/8/54
SO-2513	Seventeenth Quarterly Report (Progress Report Number 18) Development of Zirconium-Base Alloys	J. Kealer	1/5/54
SO-2031	Fundamental Research in Physical Metallurgy - Twentieth Quarterly Report Progress Report Number 37	J. Hollomon D. Turnbull	1/5/54

TID-3050 (Part 2)	A Bibliography of Selected AEC Reports of Interest to Industry Part 2 Chemistry and Chemical Engineering	AEC TIS	12/53
UCLA-279	A New Approach to the Separation of Fatty Acids Differing in Degree of Unsaturation	D. Howton	2/19/54
PHYSICS (AND REACTORS)			
AERE-EL/M-83	Summary of AERE (Harwell) Equipment for use in Prospecting and Assaying Radioactive Ores	Staff of the Geological Instrumentation Group, Electronics Div.	10/20/53
AERE-I/M-30	An Automatic Töpler Pump	W. Arrol E. Wilson	11/17/53
AERE-R/R-1271	Shielding Studies - II The Distribution of Gamma-Radiation in Graphite Moderated Uranium Reactors	C. Horton	10/14/53
AERE-T/M-91	The Thermal Neutron Transport Parameters in Water	J. Elliott	10/53
AERE-E/M-70	Improved Low Pressure Air Ejector as a Dry Box Suction Unit	A. Welsher	6/30/53
AERE-T/R-1295	The Spherical Harmonics Method in Plane and Spherically Symmetric Geometry in Multi-Velocity-Group Theory, and Its Application in the Two-Velocity-Group $P_3$ Approximation	M. Mandl	11/53
AERE-C/R-1275	The Precise Control of Bath Temperature by Means of a Resistance Thermometer	W. Hutchinson E. Pulsford A. White	10/53
AERE-E/R-1270	Laminar Free Convection Between Heat Producing Vertical Plates in a Liquid	D. Wordsworth	10/53
AERE-E/R-1267	Free Convection in Heat Generating Fluid (Laminar Flow)	J. Woodrow	10/53

AERE-T/M-89	Electron-Optical Design of a Mass-Separator	P. Sturrock	10/53
AERE-T/M-90	A Contribution to the Theory of the Rod-Loaded Wave Guide	J. Pearson	10/53
ANL-5152	Recalibration of CP-2 and Its Use for Inhour Measurements	J. Hyde P. Deans et al	11/53
ANL-5211	Transient and Steady State Characteristics of a Boiling Reactor The Borax Experiments, 1953	J. Dietrich D. Layman	2/54
BMI-899	Evaluation of Performance of a Model High-Pressure Boiler	D. Foley R. Wilson R. Filbert, Jr.	1/26/54
CRD-R-104	Differential Cross Sections for Compton Scattering	G. O'Kelley P. Sweeney Columbia Univ. Dept. of Physics	2/15/54
CU-130	Progress Report Nuclear Physics Laboratories for April, May, June, 1953		
CERN/PS/JBA-MGNH-19	A Set of Parameters for the 25 Gev Alternating Gradient Synchrotron	CERN- European Council for Nuclear Research, Geneva	12/30/53
CERN/PS/JBA-MGNH-20	The Effect on the Closed Orbit of Sags in the Magnet Periphery (Due to Ground Movements for Example)	CERN- European Council for Nuclear Research, Geneva	1/26/54
ISC-435	The Effect of Stray Light in Prism and Grating Spectrographs on Emulsion Calibration Curves and Its Significance in Spectrographic Analysis	R. Kniseley V. Fassel	1/4/54
K-1099	Properties of Thermal Conductivity Cells with Heavy Gases	N. McKewn	1/29/54

MIT-TEC- RPT. No. 208	Electromagnetic Waves in Periodic Structures Rpt. No. 208	L. Stark	12/9/52
MIT-ELEC-TEC- RPT. No. 243	A Method of Measuring Frequency Detector Response Technical Report No. 243	G. Rodgers	10/20/53
MISC-1953-59 No. 55	Ionospheric Research Scientific Report No. 55 The Determination of the Electron Density Distribution of an Ionosphere Layer in the Presence of an External Magnetic Field	J. Kelso	12/30/53
MISC-1953-59 No. 54	Ionospheric Research Scientific Report No. 54 A Long Wave Solution Near Critical Coupling	N. Davids R. Parkinson	11/25/53
MISC-1954-8	Drafting and Design Manual	Argonne Nat'l Lab.	1/53
MISC-1954-9	Fifteenth Semiannual Report of the Atomic Energy Commission	AEC	1/54
MISC-1954-10	Diffusion and Engineering Climatology for the Berkeley Radiation Laboratory (A Preliminary Report)	P. Humphrey E. Wilkins	12/53
MIT-AC-LAB- QPR-RPT 10/12/53	Quarterly Progress Report for October - December 1953	R. Bolt R. Fay	
NAA-SR-267	The Calibration of a High Temperature Radiation Calorimeter	R. Graydon R. Carter	8/21/53
*NP-381	Carbon or Graphite as Materials of Construction for Rocket Motors; Report for November 15 - December 15, 1947	J. Slyh H. Schofield C. Austin	2/4/48
NSF-tr-127	On the Theory of Pair Production During A Collision of Heavy Particles	L. Okun	12/53

\*Microcard

NSF-tr-169	Determining $\sigma$ and $h/2$ Spins of Nuclei from Microwave Spectr of Molecules	A. Prokhorov N. Basov	1/54
NSF-tr-171	Effect of Temperature on Light Absorption in Thin and Extra-Thin Layers of Silver	A. Gumenyuk	1/54
NSF-tr-172	Properties of the Superconducting Modification of Bismuth	N. Zavaritsky	1/54
NSF-tr-173	Kinetics of Luminescence of Silver Halide Salts	V. Arkhangel'skaya P. Feofilov	1/54
NSF-tr-174	Redistribution of the Intensities of Spectral Lines of Elements in a Discharge in Argon	K. Mochalov Y. Raff	1/54
NSF-tr-176	Resistance of Metals to Plastic Deformation	Y. Yagn I. Chaplinsky	1/54
NSF-tr-177	Threshold of the Secondary Electron Emission of Nickel and Molybdenum	A. Shulman Y. Myakinin	1/54
ORNL-1373 Supplement of ORNL-928	Radiation Stability of Plastics and Elastomers	C. Bopp O. Sisman	7/23/53
ORNL-1669	The Characteristics of an Electron Multiplier as a Detector of Heavy Particles	C. Barnett	2/15/54
ORNL-1501 Supplement 1	Supplement 1 Revised Z Tables of the Racah Coefficients	L. Biedenharn A. Simon	2/16/54
ORNL-1657	Rotating Prism for Use with Cloud Chambers	B. Saunders	2/15/54
RM-1027	On the Interaction of Scalar and Electrostatic Fields	R. Pease J. Pease	1/12/53

MISCELLANY

ASTIA-U-38	Title Announcement Bulletin	Armed Services Tech. Info. Agency	2/8/54
ASTIA-U-36	Title Announcement Bulletin	Armed Services Tech. Info. Agency	1/18/54
ASTIA-U-37	Title Announcement Bulletin	Armed Services Tech. Info. Agency	1/29/54
LRL-101	Cost Estimating Procedure for Evaluation Work	D. Altwein E. Kane N. Shumate	2/54
MISC-1954-9	Fifteenth Semiannual Report of the Atomic Energy Commission	AEC	1/54
MISC-1954-11	Technical Information Bulletin Supplement No. 3	AEC TIS OR	
MISC-1954-16 7-53	European Scientific Notes No. 7-53	Office of Naval Research, London	
MISC-1954-16 No. 8-3	European Scientific Notes No. 8-3	Office of Naval Research, London	2/1/54
NACA-No. 58	Current NACA Reports	Nat'l Advisory Committee for Aeronautics	2/19/54

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NYO-6347	Acetylacetone as an Analytical Extraction Agent (Thesis)	J. Steinbach	1953
ORNL-1445	An Improved Fluorophotometer for Determination of Uranium in Fused Sodium Fluoride Pellets	M. Kelley H. Hemphill D. Collier	2/8/54
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