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Lawrence Berkeley National Laboratory

Publication Date

1954-08-03

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Contract No. W-7405-eng-48

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF JULY 16-31, 1954

August 3, 1954

Berkeley, California

LIST OF CODES FOR REPORT NUMBERS

ACCO - American Cyanamid Co.
AERE - Atomic Energy Research Establishment, Harwell, England
AFCRC - Air Force Cambridge Research Center
AMRL - Army Medical Research Lab., Fort Knox
ANL - Argonne National Lab.
ANP - Aircraft Nuclear Propulsion Project, Oak Ridge
APEX - General Electric Co, Aircraft Gas Turbine Div.
ASTIA - Armed Services Technical Information Agency
BM - Bureau of Mines
BM-II - Northwest Electrodevelopment Lab., Bureau of Mines,
Albany, Oregon
BMI - Battelle Memorial Institute
BNL - Brookhaven National Lab.
BRL - Ballistic Research Labs., Aberdeen Proving Grounds
CEA - Commissariat à l'Énergie Atomique, France
CEI, CRC, CRE, CRP, CRT and others
- Chalk River Project, Canada
CEPS - Commonwealth Edison Co.
CERN - European Council for Nuclear Research
CF - Oak Ridge National Lab., Central Files
CU - Columbia University
DC - General Electric Co., ANP Project
DOW - Dow Chemical Co.
DP - E. I. du Pont de Nemours and Co.
FMPC - National Lead Co. of Ohio
HW - Hanford Works, Richland, Wash.
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
LA, LADC, LAMS
- Los Alamos Scientific Lab.
LRL, LWS
- California Research and Development Co.
MIT - Massachusetts Institute of Technology
MLM - Mound Lab.
Monograph
- Bell Telephone System
MTA - California Research and Development Co.
NAA - North American Aviation, Inc.
NBS - National Bureau of Standards
NM - Naval Medical Research Institute
NRL - Naval Research Lab.
ONRL - Office of Naval Research, London
ORNL - Carbide and Carbon Chemicals Co., Oak Ridge National Lab.
PR - Chalk River Project, Canada

SEP - Sylvania Electric Products, Inc.
TEI, TEM - U. S. Dept. of Interior, Geological Survey
TID - Technical Information Service, Oak Ridge
UCLA - Univ. of California at Los Angeles
UR - Univ of Rochester
USNRDL - U. S. Naval Radiological Defense Lab.
WAPD - Westinghouse Electric Corp., Atomic Power Division
Y - Carbide and Carbon Chemicals Co., Y-12 Plant

Many prefixes used for research and development reports cover a number of installations. NP ("Non-Project") numbers are assigned by the Technical Information Service at Oak Ridge to those reports which it receives from sources not under contract to the atomic Energy Commission. The UCRL Information Division gives "Misc" numbers to any others received here that do not bear an identifying number. Many reports are grouped together under numbers corresponding to an AEC division or operations office. Some of these are as follows:

CO, COO - Chicago Operations Office
IDO - Idaho Operations Office
NYO, NYOO - New York Operations Office
ORO - Oak Ridge Operations Office
RMO - Raw Materials Division
WASH - Atomic Energy Commission, Washington

In our semimonthly "List of Reports Received" the originating installation will be placed in the author column whenever the report code number does not indicate a specific laboratory, or is obsolete or not given in this list.

Two series of translations are currently received, one sponsored by the AEC (AEC-tr), the other by the National Science Foundation (NSF-tr).

Information Division
May 3, 1954

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF JULY 16-31, 1954.

August 3, 1954

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BIOSCIENCES			
*AECD-2000	Section III, Progress Report (For) February 1945	P. Fanta	1945
*AECD-2006	The Production of Leukopenia by Chronic Irradiation of the Abdominal Viscera of the Cat	W. Adams J. Lawrence	5/30/48
*AECD-2007	Apparatus for Injection of Animals with Dangerous Amounts of Hard Beta and Gamma Emitters	D. Anthony W. Norris	6/46
*AECD-2009	Quarterly Report (For) August 1947 to November 1947	A. Brues	11/1/47
*AECD-2011	The Acute Radiotoxicity of Injected NA24 for Mice and Rats. Part I. Metabolism and General Toxicity	R. Finkle R. Snyder W. Kisielewski J. Teresi A. Broido P. Tompkins	6/46
*AECD-2108	The Excretion, Retention, Distribution, and Clinical Effects of Strontium ⁸⁹ in the Dog. Part II. Statistical Analysis of Excretion and Retention of Strontium ⁸⁹ for Individual Dogs	G. Sacher	6/46
*AECD-2112	Progress Report. Development and Construction of Alpha-Counting Equipment	C. Borkowski R. Dandl J. East R. Firminhac	7/4/44
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*AEC-2129	Uranyl Nitrate. Four One-Year Inhalation Toxicity Studies of Animals at 0.04, 0.25, "0.4", and 2.0 MG U/M ³	R. Yaeger	5/17/48
*AEC-2986	Removal of Submicron Aerosol Particles from a Moving Gas Stream by the Condensation Center Effect	P. Schauer	
AECU-2683	The Metabolism of Pregnane-17- α , 21-DIOL-3, 20-DIONE and Pregnane-17- α , 21-DIOL-3, 11, 20-TRIONE in Vivo	F. Ungar J. Davis H. Rosenkrantz R. Dorfman TIS OR	1953
*AECU-2882	A Study of the Irradiation Syndrome. Part 1. Water, Electrolyte and Nitrogen Balances	R. McDonald R. Jensen H. Urry V. Bolin P. Price	1953
FWE-10	Agricultural and Biological Investigations Pertaining to Contamination by Fission Products (Miscellaneous Papers)		7/16/54
*IDO-14055	CPP Health Physics Manual	Am. Cyanamid Co.	4/52
LRL-120	Waste Disposal - Decontamination and Decontamination Laundry Facilities	W. Clark	5/54
LRL-141	A Scintillation-Type Alpha Hand and Foot Counter	R. Sulit G. Saunders	6/54
LRL-142	Emergency Crew Training and Medical Decontamination Facility at the Livermore Research Laboratory	G. Blanc W. Clark G. Saunders	6/54

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NM-000-018.04 Memo 54-2	Some Energetic Consequences of the ATP-Glutamine Equilibrium	M. Morales	3/10/54
NM-000-018.06.33	Nature of the Acetyl Cholinesterase Surface II. The Ring Effect in Enzymatic Inhibitors of the Substituted Ethy- lene Diamine Type	S. Friess W. McCarville	2/2/54
NM-007-081.11.06	Differential Response of Blood Glutathione and Sulfhydryl, Associated with Methemoglobin Formation Due to Nitrite and Para-Aminopropiophenone	E. Vollmer M. Carey	2/24/54
NM-Lecture-53-4	Project Fast, A Field Study of Combat Stress Lecture and Review Series No. 53-4	D. Minard	4/22/53
NM-Res.Sum.- 7/12/53	Summaries of Research 1 July - 31 December 1953		
*NP-5179	Biological and Medical Aspects of Ionizing Radiation. Effects of Whole-Body X-Radiation in Guinea Pigs While Under Various Simulated Flying Conditions. Report No. 11	E. Konecci W. Taylor	4/54
NYO-3342	Bactericidal Effects of Ionizing Radiations as Influenced by Different Conditions of Atmosphere, Medium, and Physical State in Which Samples are Irradiated. Quarterly Progress Report for the Period October 1, 1953 to December 31, 1953	B. Proctor S. Goldblith TIS OR	1/1/54
*NYO-4960	Quarterly Progress Report (For) January - March 1954	H. Friedell	1954
NYO-4962	Carcinogenic Activity of Radioactive Phosphorus	S. Koletsky J. Christie	6/28/54
NYO-4963	A Comparison of the Magnitude of Cysteine Antagonism Toward Small and Large Doses of X-Irradiation	P. Salerno H. Friedell	6/28/54
UCLA-299	Centrally Mediated Effects of Cardiac Drugs: Strophanthin-K, Quinidine and Procaine Amide	S. Weinberg T. Haley	7/13/54

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UR-264	In Vivo Localization of Rat Organ Antibodies in Ovaries, Adrenals, and Other Tissues	W. Bale I. Spar	6/7/54
UR-319	Studies on the Biosynthesis of Hemin. I. Bone Marrow	J. Richmond K. Salomon	6/18/54
UR-328	Cortisone Metabolism in the Perfused Normal and Experimental Cirrhotic Rat Liver	L. Miller L. Axelrod	6/7/54
UR-333	Concentration of Leukocytes From Small Samples of Blood by Centrifugation in Plastic Tubing	M. Ingram G. Yettewich A. Struthers	6/16/54

CHEMISTRY

ACCO-54	Spectrophotometric Determination of Uranium With Thiocyanate	M. DeSesa O. Nietzel	7/19/54
*AECD-1958	Remote Control Apparatus	R. Goertz	5/12/48
*AECD-2113	Artificial Radioactive Isotopes of Cerium and Lanthanum	J. Chubbuck	5/17/48
*AECD-2979	Final Report; The Separation of Zirconium and Hafnium	J. Shea, et al	6/30/49
*AECD-2995	Iodine Exchange Reaction	J. Kleinberg J. Sattizahn	8/25/48
*AECD-3074	Dissociation Pressures of Uranium Hydride and Tritide	H. Flotow B. Abraham	1/30/51
*AECD-3216	The Crystal Structure of Uranium Tetrafluoride	R. Burbank	6/6/51
*AECU-2879	Isomer, Neutron Energy, and Radiation Dosage Effects on Reaction Activated by Radiative Neutron Capture in Organic Bromides	J. Chien J. Willard	1953

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*AERE-C/R-107	The Separation of the Isotopes of Boron By Isotopic Exchange Equilibrium	J. Duncan	
AERE-C/R-1321	The Vapour Pressure of Plutonium Tetrafluoride	C. Mandleberg D. Davies TIS OR	2/17/54
AERE-C/R-1379	The Preparation of Thin Alpha Sources by Vacuum Sublimation	J. Milsted TIS OR	2/54
AERE-CE/R-1118	The Mechanism of Mass Transfer of Solutes Across Liquid-Liquid Interfaces	J. Lewis TIS OR	2/20/54
AERE-ED/R-1332	Solubility of CO ₂ in Lubricating Oil	R. Hardy TIS OR	1/11/54
AERE-EL/R-1350	The Production and Properties of Some Lithium Iodide Phosphors	K. Nicholson G. Snelling TIS OR	3/11/54
ATI-81813	Thermal, Structural, Electrical, Magnetic, and Other Physical Properties of Titanium, Zirconium, Hafnium and Thorium, and Some of Their Simple Compounds. IV. Thorium, Its Hydrides, Oxides, Halides, Nitride, Carbides, and the Alkaline Earth Thorates	G. Skinner C. Beckett H. Johnson TIS OR	2/1/50
*ATI-81816	Thermal, Structural, Electrical, Magnetic and Other Physical Properties of Titanium, Zirconium, Hafnium, and Thorium and Some of Their Simple Compounds	G. Skinner C. Beckett H. Johnston	
*ATI-168794	Use of Radioactive Isotopes in Materials Research, Development and Testing. Report No. 3. Radiocobalt Cage for Determining Liquid Level	S. Eisler	1/30/52
CEA-258	Dosage De Manganese, Sodium Et Uranium Par Les Radioelements	C. Fisher J. Beydon	1954

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CEA-262	Syntheses De ^{14}C -2 Indole Et D'Acide β -(^{14}C - 2 Indolyl) Acetique (Heteroauxine)	L. Pichat M. Audinot J. Monnet	1954
CEA-263	Syntheses De L'Hydrazide De L'Acide Isonicotinique (Isoniazide, Rimifon) Marque Au ^{14}C Dans Le Noyau Pyridine	L. Pichat C. Baret M. Audinot	1954
CEA-275	Application De La Separation Electromagnetique Des Isotopes A L'Etude De La Transition Isomerique De 390 KeV Du Technitium	R. Bernas J. Beydon L. Papineau	1954
DP-44	A Three-Run Automatic Register	C. Prohaska	4/54
DP-46	Colorimetric H^2S Detector	T. Parkinson	4/54
GAT-113	Works Laboratory Training Manuel Introduction to Chemistry		6/1/54
K-1138	The Molar Polarization, Dipole Moment, and Non-Ideality of 1, 2 Dichlorotetrafluoroethane	D. Magnuson	7/2/54
LA-1647	Hydrogen Recombiner - Convection Model	H. Busey	3/54
LRL-150	Remote Radioactivity Materials Testing Laboratory at Livermore Research Laboratory	R. Steele	6/54
MISC-1954-12	Mass Spectral Data - Supplement for the period 7-1-53 to 12-31-53		
MLM-910	A Polarographic Method for the Determination of Microgram Amounts of Iron and Fluoride (Information Report)	C. Shoemaker	12/22/53
MLM-931	Precipitation of Barium Carbonate (Information Report)	H. Teicher	12/16/53
NM-Lecture 54-2	The McMillan-Mayer Theory of Solutions Lecture and Review Series No. 54-2	T. Hill	1/3/54

N6-ori-88 Tech. Rpt. #21	Ia and Ib. Evidence for One-Dimensional Rotation in Ammonium Iodide II. The Infrared Spectrum of the Oxonium Ion	R. Plumb D. Hornig C. Ferriso D. Hornig	12/1/53 12/1/53
N6-ori-88 Tech. Rpt. #22	I. The Infrared Spectrum and the Structure of the Low Temperature Phases of Crystalline HCl, HBr, and HI. II. Infrared Spectra and Structure of Crystalline Ammonia Hydrates	D. Hornig W. Osberg R. Waldron D. Hornig	2/12/54 2/12/54
N7-onr-45103 Tech. Rpt. #XIII	Characterization of Oxidation Catalysts Vanadium Pentoxide	M. Hughes G. Hill	6/1/54
*NP-5175	The Influence of Isotopic Mass on Some Physical Properties of Iron	J. McCaldin	4/54
*NP-5196	The Effect of Ultrasonic Radiation on the Electrolytic Separation of Hydrogen and Deuterium	D. Mason	11/15/52
NP-5208	An X-Ray-Diffraction Method for the Study of Substructure of Crystals. Technical Report No. 4	J. Intrater S. Weissmann	6/1/54
NRL-4369	Infrared Spectra of Plastics and Resins	R. Kagarise L. Weinberger TIS OR	5/26/54
ORNL-1735	Graphite and Aluminum-Block, Solution Evaporators	C. Susano	7/14/54
UR-339	Organic Synthesis of Carbon-14 Labeled Hematoporphyrin Dimethyl Ester	A. Bruce	6/17/54

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ENGINEERING

*AECU-2871	Removal of Scale From A Heat Exchange System For Westinghouse Atomic Power Division	C. Wendorff G. Floyd O. Byler	1954
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CU-18-54-At-dP-Ch.E	Acceleration Pressure Drops in Two-Phase Flow	W. Begell J. Hoopes, Jr. TIS OR	4/54
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KAPL-1089	Analysis of Annular Shells with Applications to Welded Bellows	M. Hetenyi R. Timms	
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GEOSCIENCES

*AECD-2955	Progress Report on Carnotite Studies; Carbonate Process; Research and Development Division	K. Brown C. Coleman C. Susano	6/49
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*AECD-3076	Progress Report on Carnotite Studies: Carbonate Process; September 1949	K. Brown C. Coleman	10/6/49
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RME-43	Reconnaissance of Little Wild Horse Mesa Green River Desert, Emery County, Utah	D. Hinckley J. Volgamore TIS OR	3/2/53
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RME-3095	Mineralogy of Uranium-Bearing Deposits in the Boulder Batholith, Montana	H. Wright B. Bieler W. Shulhof D. Emerson TIS OR	4/1/54
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RME-3096 (Pt. 1)	Annual Report for June 30, 1953 to April 1, 1954, Part I	P. Kerr D. Lapham M. Bodine, Jr. P. Hamilton P. Bethke TIS OR	4/54
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RME-3099	Annual Report - April 1, 1953 - March 31, 1954	M. Mickey, Jr. H. Jespersen, Jr. TIS OR	4/54
RME-3101	Synthesis of Uranium Minerals, Annual Report for July 1, 1953 - June 30, 1954	C. Frondel R. Collette V. Ross E. Berman TIS OR	5/54
METALLURGY & CERAMICS			
*AECD-2964	Radiometric Research; Progress Report	J. Pannell E. Rubino E. Warren	7/4/47
*AECD-2971	Report on Zirconium Nitride	G. Hall	11/11/47
*AECD-3205	Metallurgy of the Rare Earths With Particular Emphasis on Cerium	D. Ahmann	2/14/50
*AECU-2884	An Investigation of Scaling of Zirconium at Elevated Temperatures. Quarterly Status Report No. 4 (For) March 2 to June 2, 1954	W. Baldwin, Jr. D. Garibotti	6/10/54
ISC-488	Further Study of Sintering Phenomena	D. Wilder E. Fitzsimmons	5/26/54
ISC-491	The Vanadium-Zirconium Alloy System	J. Williams	6/15/54
LRL-140	Aging Effects in Commercially Pure Beryllium	D. Nash	5/54
Monograph-2218	Change in Ingot Shape During Zone Melting	W. Pfann	11/53
*NACA-RM-E52H05	Investigation of Titanium Carbide Base Ceramals Containing Either Nickel or Cobalt For Use As Gas-Turbine Blades	C. Hoffman A. Cooper	8/18/52

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*NACA-TN-3142	A Further Investigation of the Effect of Surface Finish on Fatigue Properties at Elevated Temperatures	R. Ferguson	1/4/54
*NP-5193	Solid Solution Hardening of Alpha and Beta Titanium	Armour Research Foundation	1954
SO-2034	Twenty-Second Quarterly Report (Progress Report Number 39) Fundamental Research in Physical Metallurgy	J. Hollomon D. Turnbull	7/5/54
SO-2515	Development of Zirconium-Base Alloys, Nineteenth Quarterly Report (Progress Report Number 20)	J. Keeler	7/5/54
TID-3048	Corrosion A Bibliography of Unclassified Report Literature	R. Allen	6/53
*WADC-TR-53-187	Aluminum Titanate As A Porous Insulating Material For the Protection of Metal	W. Zimmerman W. Plankenhorn D. Bennett	5/15/53
*WADC-TR-53-527	Investigation of the Degassing Effect of Ultrasonics on Aluminum Alloy	J. Jones J. Thomas	2/54
*WAL-401/65-35	Investigation of Gallling and Friction Characteristics of Titanium Alloys. Interim Technical Report No. 2 (For) January 1, 1954 - May 31, 1954	F. Ling	5/31/54
*WAL-401/68-38	Research and Development on the Fatigue Properties of Titanium and its Alloys. Interim Report. Correlations of the Mechanical Properties of TI-150A, RC-130A, RC-130B, TI-Alloy and TI-75A Titanium Alloys	J. Kaufman R. Crum E. D'Appolonia	4/54
*WAL-401/96-15	Brazing and Soldering of Titanium and its Alloys: Final Technical Report (For) September 1, 1951 - January 31, 1953	Armour Research Foundation	

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*WAL-401/97-29	The Welding Characteristics of Selected Titanium Alloys. Summary Report (For) February 1, 1953 to March 31, 1954	G. Faulkner G. Martin C. Voldrich	3/31/54
*WAL-401/103-29	Research and Development Toward Improving Titanium-Aluminum Binary Alloys by the Addition of a Third Component. Final Technical Report (For) September 1, 1952 to August 31, 1953	C. Lillie H. Kessler	1/54
*WAL-401/204-2	Solid Solution Hardening of Alpha and Beta Titanium. Interim Technical Report No. 1 (For) August 19, 1953 to November 30, 1953	J. McAndrew H. Kessler R. Lubker	1953
*WAL-843/13-19	High Resolution Autoradiography for Study of Grain Boundaries in Metals. Final Report	H. Gomberg M. Sinnott C. Upthegrove R. Flinn L. Van Vlack S. Yukawa A. Keh H. Probst R. Simonsen G. Towe C. Hammond	2/54

PHYSICS

AECD-1958	Remote Control Apparatus	R. Goertz	5/12/48
*AECD-2045	Positive Ion Gun for the Notre Dame Van De Graaff-Herb Generator	M. Wiedenbeck	1945
*AECD-2263	Computed Values of X-Ray Lines and Limits for the Trans-Uranic Elements	A. Monk S. Allison	9/6/44
*AECD-2972	Statistical Analysis of Pulse Chains by Means of Electrical Networks	A. Siegert	4/4/49

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*AECD-3153	Remarks Concerning Very Short Delayed-Neutron Periods	F. de Hoffman K. Way	
*AECD-3644	The Relative Rates of Local Neutron Production in Uranium and Lead from the Cosmic Radiation	J. Simpson	2/23/53
AECU-2040 Supp. 3	Neutron Cross Section Compilation, Supp. 3	Brookhaven Neutron Cross Section Compilation Gr.	4/1/54
AECU-2692	Instrument for Testing Large Numbers of Photomultiplier Tubes	A. Brousseau TIS OR	1953
*AECU-2878	Progress Report (No. 32 for December 1, 1953 to February 28, 1954)	Lab. for Nuclear Sci.	2/28/54
*AECU-2883	Electronic Devices for Nuclear Physics. Quarterly Report No. 14 (For) November 1, 1953 - February 1, 1954	G. Morton R. Anderson D. Fetter M. Greenblatt A. Solomon A. Sommer	1954
AERE-GP/M-168	An Electron Gun for Use in a Metre-Wave High Power Triode	I. Lewis J. Dain L. Holmes J. Craston TIS OR	3/9/54
ATI-157709	Lightweight Wave Guides, Report No. 4	A. DeViney J. Parks TIS OR	8/13/51
ATI-158017	Lightweight Wave Guides, Report No. 6	A. DeViney J. Parks TIS OR	10/10/51
ATI-148890	Lightweight Wave Guides, Report No. 7	A. DeViney J. Parks TIS OR	11/13/51
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ATI-144067	Lightweight Wave Guides, Report No. 8	A. DeViney J. Parks TIS OR	12/13/51
ATI-157710	Lightweight Wave Guides, Report No. 9	J. DeBoo J. Parks TIS OR	1/17/52
ATI-157711	Lightweight Wave Guides, Report No. 10	J. DeBoo J. Parks TIS OR	2/19/52
ATI-157712	Lightweight Wave Guides, Report No. 11	A. DeViney J. Parks TIS OR	4/14/52
ATI-157708	Lightweight Wave Guides, Report No. 12	A. DeViney J. Parks TIS OR	4/16/52
ATI-162459	Lightweight Wave Guides, Report No. <u>final</u>	A. DeViney J. Parks TIS OR	5/13/52
CEA-257	The Mechanism of Stripping Reactions	J. Horowitz A. Messiah	1954
CEA-259	Sur Les Reactions (dp) ET (dn)	J. Horowitz A. Messiah	1954
CEA-260	De La Polarisation Dans Les Reactions (dp) ET (dn)	J. Horowitz A. Messiah	1954
CEA-261	Le Soufflage Du Verre Avec De L'Air Sec Ou Un Gaz Inerte	S. Dousson	1954
CEA-264	Formule De Correction Pour Le Comptage Des Trajectoires Dans Les Emulsions Nucleaires	A. Harpin C. Mercier	1954

CEA-265	Preparation De Films Minces De Formwar Utilises Comme Supports De Couches Metalliques En Physique Nucleaire	P. Barreau P. Leger, et al	1954
CEA-266	Reglage Absolu D'Un Goniometre A Compteur De Geiger-Muller	M. Tournarie	1954
CEA-267	Correction De L'Erreur Systematique Due A L'Enregistrement Continu Au Spectrometre A Rayons X	M. Tournarie	1954
CEA-269	Estimation Des Flux De Neutrons Thermiques Par Les Emulsions Photographiques Nucleaires Impregnees Au Lithium	C. Gimenez J. Labeyrie	1954
CEA-270	Preparation De Couches Minces Sur Support De Tantale Technique Relative A L'Obtention De Depots Thermiques Tres Adherents Et A La Fixation Par Brasure Du Tantale Sur Du Cuivre	P. Carin P. Leger P. Prugne	1954
CEA-271	Detection De La Resonance Paramagnetique Dans Le Verre Irradie	J. Combrisson J. Uebersfeld	1954
CEA-272	Nuclear Spin of $^{239}_{94}\text{Pu}$	P. Regnaut M. Van Den Berg P. Klikenberg	1954
CEA-273	Sur L'Origine Des Impulsions De Grande Amplitude Dans Le Bruit De Fond D'Un Photomultiplicateur	Y. Koechlin I. Pelchowitch A. Rogozinski	1954
CEA-276	Etude De La Structure Fine Du Rayonnement α DE ^{234}U	G. Valladas	1954
COO-1013	Properties of Electrically Charged Aerosols, Technical Report No. 12	H. Kraemer	3/31/54
CRD-R-108	Tables of Kinetic Energy as a Function of Magnetic Energy Rigidity for Electrons	G. O'Kelley Peggy Sweeney	
DP-42	A Light Source for Testing Photomultiplier Tubes	F. Kinard J. Stutheit	3/54

IDO-15080	The Inghram Mass Spectrometer	N. Van Sickle W. Echo	8/14/53
IDO-16163	Contour Diagrams of Thermal Neutron Absorption Cross Sections	J. Evans	4/20/54
ISC-490	An Electron Injector for a 70 Mev Synchrotron	A. Bureau H. Austrheim D. Zaffarano	6/15/54
KAPL-1083	An (n, γ) Detector Designed for Use With a Velocity Selector for the Study of Low Energy Neutron Resonances	R. Albert E. Gaerttner	3/15/54
KAPL-1084	A Study of Neutron Capture in Samarium, Tantalum, Gold, Molybdenum, and Cadolinium, and Transmission of Manganese, Cobalt, Copper, and Zinc with the KAPL Betatron Neutron Velocity Selector	E. Gaerttner M. Yeater R. Albert	3/15/54
KAPL-1113	Activation Procedures for Producing Maximum Secondary Electron Multiplier Surfaces	H. Soisson	7/23/53
KAPL-1141	Spontaneous Fission Rate of U-238	F. White J. Sheffield	6/17/54
LA-1655	Survey of Average Neutron Total Cross Sections from 3 to 13 Mev	N. Nereson	7/13/54
LRL-116	Determination of Possible Induced Activity in Mark I MTA Linear Accelerator	G. Blanc	5/54
LRL-144	Equipment for Electric Field Measurements by the Glo-Ball Method	O. Fredriksson W. Klein J. Salisbury	6/54
MISC-1954-18 #5	Development of a Mercury Jet Switch for the University of California Radiation Laboratory, Monthly Progress Rpt. No. 5	W. Davis H. Marshall	6/54
Monograph-2213	Telephone-System Applications of Recorded Machine Announcements	W. Bennett	9/53

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