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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY THE UCRL INFORMATION DIVISION DURING THE PERIOD OF APRIL 1-15, 1958

April 17, 1958

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Radiation Laboratory
University of California
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	BIOSCIENCES		
[illegible]-3031	Part I. Transfer and Migration of Energy in Biochemical Processes, by A. N. Terenin. Trans. from Uspekhi Fizicheskikh Nauk 43, 347-79 (1951). Part II. Intermolecular Energy Transfer in the Sensitized Fluorescence of Organic Systems, by A. N. Terenin and V. L. Ermolaev. Trans. from Uspekhi Fizicheskikh Nauk 58, 37-68 (1956).		
[illegible]	Ecology of Land Animals. E. The Ecological System, by W. Tischler. Trans. from Handbuch der Biologie 3, no. 5/6, Lfg. 63/64, 101-11 ([1955?]).		
[illegible]	Content of Natural Radioactive Substances in the Atmosphere and in Natural Waters in the Territory of the U.S.S.R. E.K. Fedorov and V. I. Baranov, eds. Trans. of an Akademiia Nauk S.S.S.R. report, 1956.		
[illegible]	Study of the Atmospheric Content of Sr^{90} and other Long-Lived Fission Products. V. V. Kurchatov ed. Trans. of an Akademiia Nauk S.S.S.R. report, 1956.		
[illegible]	A Summary of Transportation Incidents in Atomic Energy Activities, [illegible] 1956	Div. of Org. & Pers. Safety & Fire Prot., Br., AEC.	12-[illegible]
[illegible]	[illegible] Volume Determinations with Radioactive Isotopes and Observations on Blood Volume Fluctuations. Part II. Index of Cardiac Clearance	George Washington Univ. Washington, D. C.	3-58

[illegible]-735	Sodium Exchange during Hypothermia. Experimental Study on Rabbits using Radio-Sodium. Reprinted from Revue Français d'Études Cliniques et Biologiques 2. 703-16 (1957). In French.	F. Morel, A. Combrisson France. Commissariat à l'Énergie Atomique, Paris	1957
[illegible] 62285	Deposition and Retention of Ru^{106} Following Administration of $Ru^{106}O_2$ to Mice by Inhalation and Intratracheal Injection.	W.J. Bair, L.A. Temple, D.H. Willard, et. al. Hanford Atomic Prod. Oper., Rich. Wash.	10-1-1957
[illegible]-54721	Disposal of Radioactive Liquid Wastes from the Uranium Recovery Plant.	D.W. Rhodes and J.L. Nelson -- Same	6-3-57
[illegible]RL-IB/R-28	Treatment and Disposal of Gaseous, Liquid and Solid Radioactive Wastes. Information Bibliography.	U.K. Atomic Energy Auth. Ind. Gp. HQ, Risley, Lancs. Eng.	11-57
[illegible]RL-T/W-37	The Problem of Radioactivity, by F. Devlamink and Legislation on the Discharge of Radioactive Waste Substances in Water. Trans. from Centre Belge d'Étude et de Documentation des Eaux, Liege. Bulletin Mensuel 1956, no. 65, 204-9 and 212-3. 9p.	Gt. Brit. Windscale Works, Sellafield, Cumb., Eng.	
[illegible]P-M-LLG-8	Health Physics Aspects for SPRU Operation at Levels of Activity Greater than Five Per Cent.	L.L. German Knolls Atomic Power Lab., Schenectady, N.Y.	11-8-50
[illegible]-195/58	Radiochemical Analysis of Fallout in Norway. Communication No. 6.	H. Bergh, G. Finstad L. Lund, et. al. Norway. Defence Res. Est.	1-58
[illegible]-1958-[illegible]	Radiation Biology Research. Survey Questionnaire.	Franklin Inst. Labs. for Res. & Devel., Philadelphia	

NP-6436	Studies on the Atomic Bomb Injuries in Hiroshima City.	Takehiko Kikuchi, Tadatsugu Okubo, and Shinsei Nishiyama et. al. Kyoto Univ.	2-13-50
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WT-1013	Effects of Nuclear Explosion on Marine Biology. Project 2.5 [of] Operation Wigwam. Report to the Scientific Director.	M. B. Schaefer, ed. Scripps Inst. of Oceanography, La Jolla, Calif.	8-56

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*1-2361	McMahon Packing.	W. L. Forsythe, Jr., T.G. Stack, J. E. Wolf, et. al. Standard Oil Co. of Indiana, Chicago.	11-17-45
*AEC-tr-2943	Dielectric Constants of Colloidal System, by Erich Heyman. Trans. from Kolloid-Zeitschrift 66, 229-35 (1939).		
AERE C/R-1575 (1 - 6) (Suppl. 1)	Selected Abstracts of Atomic Energy Project Unclassified Report Literature in the Field of Radiation Chemistry and Bibliography of the Published Literature. 1st Annual Supplement. (Papers Noted up to February 1957).	R. W. Clarke, comp. Gt. Brit. Atomic Energy Res. Est. Harwell, Berks., England	3-57
AERE-C/R-2277	Fission Product Separation by Ion-Exchange.	F. Morgan, M. L. Sizeland Gt. Brit. Atomic Energy Res. Est. Harwell, Berks., England	1952

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AERE-C/R-2329	Syntheses of Metal-Complexing Polymers. Part I. Phosphorylated Polymers.	J. Kennedy, E. S. Lane, and B. K. Robinson Gt. Brit. Atomic Energy Res. Est. Harwell, Berks., England	12-57
AERE-Lib/Trans-766	Cathode Processes in Electrodeposition of Thorium from Molten Electrolytes, by M. V. Smirnov and L. D. Iushina. Trans. from Akademiia Nauk S.S.S.R. Otdelenie Khimicheskikh Nauk. Izvestiia 1956, 1285-93.	Gt. Brit. Atomic Energy Research Est., Harwell, Berks, England	
AERE-Lib/Trans-773	The Effect of Alloy Structure on the Diffusion Process, by L. M. Mirskii. Trans. from Akademiia Nauk S.S.S.R. Otdelenie Tekhnicheskikh Nauk. Izvestiia 1956, no. 11, 40-51.	Same	
AERE-M/R-2295	Kinetic and Equilibrium Solubility Studies in the Iron-Bismuth System. Appendix: Describing the Determination of Iron in Bismuth.	J. W. Taylor and A. G. Ward Same	7-57
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*CF-49-11-328(Del.)	Orientation Manual for 23 Pilot Plant.	D. E. Ferguson, R. J. Klotzbach Oak Ridge National Lab., Tenn.	11-29-49
*CF-50-5-113	Literature Survey of Dry Fluoride Methods for Separating Uranium, Plutonium, and Fission Products.	R. E. Leuze Same	5-11-50
*CF-52-7-78 (Chaps. XVII, XVIII, XIX, XXXII, XXXIV, XXXV) (Del.)	Chemistry Course Syllabus.	S. Peterson, W. K. Eister, and R. W. Stoughton, et. al Oak Ridge School of Reactor Technology, Tenn.	1-12-53
*CF-53-12-150 (Pt.1(Del.2))	Chemical Separations Processes. Part 1. (Chapters 1-8, 10, and 11).	S. Peterson Same	12-53
*CF-56-4-51	Decay and Storage of Irradiated Fuel.	J. W. Ullmann, and E. D. Arnold Oak Ridge National Lab., Tenn.	4-9-56
*CF-56-5-33 (Del.)	Measurement of the Viscosity of Compositions 12, 14, and 107.	S.I. Cohen and T.N. Jones Oak Ridge National Lab., Tenn.	5-9-56
*CF-56-7-65 (Del.)	Chemical Development Status Report for Week Ending June 29, 1956.	R. E. Blanco and D. E. Ferguson Same	7-11-56
*CF-56-8-117	HRT-CP Instrumentation Design Manual.	R. K. Adams Same	8-17-56

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*CF-56-8-138	Status Report for Chemical Development, Sections A and B [for] Week Ending August 10, 1956.	R. E. Blanco and D. E. Ferguson Oak Ridge National Lab., Tenn.	8-17-56
*CF-56-8-190	Status Report for Chemical Development, Sections A and B for Week Ending August 17, 1956.	Same	8-23-56
*CF-56-10-7 (Del.)	Status Report for Chemical Development Sections A and B: Week Ending September 21, 1956.	Same	10-1-56
*CF-56-10-48	Preparation of Thorium Oxide Sols. Third Quarterly Report, 1956.	J. J. Donovan and H. Shimizu. Houdry Process Corp. Res. & Dev. Labs., Linwood, Penna.	10-9-56
*CF-5610-128 (Del.)	Status Report for Chemical Development, Sections A and B: Week Ending October 19, 1956.	R. E. Blanco and D. E. Ferguson Oak Ridge National Lab., Tenn.	10-30-56
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*HKF-AED-100	Preliminary Cost Estimate for Quantity Preparation of Boron-10.	Ferguson (H.K.) Co. Atomic Energy Div., New York	10-14-49
*HW-30386	Investigation of Redox D-12 Waste Concentrator No. 2 Coil Nest Failure.	N. D. Groves and W. R. Smith Hanford Atomic Products Operation, Richland, Wash.	3-2-54
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*IDO-16355	High Resolution Fast Chopper Detector Using BF_3 Counters.	O.D. Simpson, R. G. Fluharty, and L.W. McClellan Phillips Petroleum Co., Atomic Energy Div., Idaho Falls, Idaho	6-18-56
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*ISC-134(Del.)	I. Process for Production of Pure Thorium and Uranium Nitrate from Monazite. II. Purification of Thorium Nitrate and the Subsequent Production of Thorium Oxide.	G. L. Bridger, K. G. Shaw, M. E. Whatley, Et. al Ames Lab., Ames, Iowa	1-15-51

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KAPL-1727	Radiation Effects in LiF.	P. Senio and C. W. Tucker, Jr. -- Same	5-24-57
*KAPL-M-ELS-4	The Determination of Nitrogen in Zirconium.	E. L. Shirley and G. R. Smith -- Same	6-6-56
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*KAPL-M-PHK-2	Remarks on the Interaction of Radiation with the Walls of vessels as it affects the Radiation Chemistry of Their Contents.	P. H. Klein Same	5-8-56
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*KLX-1723(del.)	Economic Evaluation of Potential Methods for Concentrating Reactor Wastes for Storage. Study of Idaho Chemical Processing Plant Wastes. Interim Report [for] March 15 - May 30, 1954. Job 1095.	Vitro Corp. of America New York	6-15-54
*KT-69	The Design, Construction, and Operation of a Pulse Column for the Purification of Zirconium.	G. R. Jasny, P. M. Blair, H. C. Harrison, et al Mass. Inst. of Tech., Oak Ridge, Tenn. Eng. Practice School	5-3-50
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Monograph 2924	Use of Piezoresistive Materials in the Measurement of Displacement, Force, and Torque. Reprinted from Acoustical Society of America, New York. Journal 29, 1096-1101 (1957).	Warren P. Mason and Robert N. Thurston Bell Telephone Labs., Inc., New York	2-58
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*AECD-3733	Dynamic Corrosion and Mass Transfer of Chrome Steel By Bismuth.	C. J. Egan Calif. Research Corp., San Pablo, Calif.	12-14-51
AERE-C/R-2148	Development of A Remotely Operated Vacuum Induction Furnace.	G. M. Gillies and B. A. J. Lister - Gt. Brit.	7-57
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*ANL-4399(Del.)	Metallurgy Division Quarterly Report for October, November, and December, 1949.	Same	12-31-49
*BMI-1149(Del.)	Progress Relating to Civilian Applications During November, 1956.	R. W. Dayton and C. R. Tipton, Jr. BMI, Columbus, Ohio	12-1-56

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CEA-679	Electrolytic Cell for High Temperatures. Reprinted from Métaux (Corrosion-Industries) 32, 10-17 (1957). In French.	G. Chauvin, H. Coriou, and J. Mure. France. Commissariat à l'Énergie Atomique, Paris.	1957
CRL-51	Uranium Dioxide. A Promising Nuclear Fuel.	O. J. C. Runnalls Atomic Energy of Canada Ltd. Chalk River Project, Chalk River.	1-58
*CT-2116(Del.)	The Electroplating of Tuballoy. A Manual of Operating Instructions Developed for Electroplating on Tuballoy.	A. G. Gray Du Pont de Nemours (E.I.) & Co., Grasseli Chemicals Dept., Wilmington, Del.	1-31-45
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ISC-903	Metallurgy. Semi-Annual Summary Research Report for January - June, 1957.	Ames Lab., Ames, Iowa	12-20-57
*KAPL-960(Del.)	Zirconium-Gas Reactions and Effects on Properties at Elevated Temperatures.	H. T. Sumsion Knolls Atomic Power Lab., Schen., N. Y.	2-26-54
*KAPL-1100(Del.)	Metallic Coatings on Uranium by Sputtering and Evaporation.	W. D. Davis Same	4-1-54
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*KAPL-M-EMS-2	Magnetic Properties of a 12% Chromium Martensitic Stainless Steel.	B. M. Smith Same	2-21-56

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*KAPL-M-RMM-1	Shock and Vibration Design Requirements for S3G/S4G.	R. M. Mains Same	7-5-56
*KAPL-M-RMM-2	Shock and Vibration in Naval Reactors.	R. M. Mains. Same	10-31-57
*KAPL-M-RSS-3	Experimental Determination of the Spectra in Several Cold Water Moderated Assemblies.	R. S. Stone and R. E. Slovacek --Same	8-3-56
*KAPL-M-RWL-2 (Rev.)	Preliminary Heat Transfer-Fluid Flow Calculations for the KAPL Reactor May 1949.	R. W. Lockhart Same	
*KAPL-M-SAR-RES-5	Consequences of Loss of Flow.	M. Altman Same	3-16-55
*KAPL-M-SCT-10	Project Owl: 8-Inch Water Injection Test. Run Number 1. Preliminary Results.	C. W. Sorenson Same	3-28-56

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*KAPL-M-SES-12	Log Reactor Model.	W. W. Sherman Knolls Atomic Power Lab., Schen., N. Y.	4-9-56
*KAPL-M-SL-1	Shielding Properties of a Sir Mark A Control Rod Drive Mechanism; Shielding Laboratory Experiment No. 1 (SL-1).	L. H. Weinberg Same	4-22-54
*KAPL-MSMS-31	Control of Gases in Primary Coolant During Filling and Cold Plant Startup.	G. H. Epstein Same	7-6-56
*KAPL-M-SMS-87	Operation of IBM-650 Program for Emergency Cooling Analysis.	I. R. Goodwin and F. J. Scheib Same	11-21-57
*KAPL-M-SMS-88	Decontamination of the S3G/S4G Steam Generators.	F. C. Steiner Same	11-25-57
*KAPL-M-SWK-3	Sir PPA 27, 28 and 29--Composition and Design.	S. W. Kitchen, G. B. Gavin, H. A. Palmer, et al Same	7-25-55
*KAPL-M-WEJ-1	Some Mechanisms of Dry Bearing Chatter.	W. E. Jahsman and D. R. Miller Same	6-4-56
*KAPL-M-WMC-1	Laboratory Simulation of Thermal Effects in Fuel Elements.	W. M. Cashin Same	2-11-54
*KAPL-M-WPW-1	S3G Instrument Tube Mock-Up Tests.	W. P. Walsh Same	11-18-57
*KAPL-M-WRK-3 (Rev.)(Del.)	Conference on the Experimental Breeder Reactor at the Argonne National Laboratory on April 25, 1952.	M. David. H. Hurwitz, Jr., W. R. Kanne, et al Same	
*KAPL-M-WRP-2	Fuel Placement in S3G Elements.	W. R. Plant Same	9-27-56

*LAMS-733(Del.)	Effect of Temperature and Reactivity Changes in Operation of the Los Alamos Plutonium Reactor.	D. B. Hall and J. E. Hall Los Alamos Scientific Lab., New Mexico	5-28-48
NAA-SR-2463	Hanford Safety Device. Summary Report.	Stephen H. Fitch Atomics International Div., NAA, Inc., Canoga Park, Calif	4-1-58
NAVORD-5747	Containment Study of the Enrico Fermi Fast Breeder Reactor Plant.	E. M. Fisher and W. R. Wise, Jr. Naval Ord. Lab., White Oak, Md.	10-7-57
NP-6539	Accident at Windscale No. 1 Pile on 10th October, 1957. Presented to Parliament by the Prime Minister by Command of Her Majesty, November, 1957.	Gt. Brit. Windscale Works, Sellafield, Cumb., England	11-6-57
WAPD-MRP-72	Pressurized Water Reactor (PWR) Project. Technical Progress Report for the Period December 24, 1957 to February 23, 1958.	Westinghouse Electric Corp. Bettis Plant, Pittsburgh	
WASH-747	Measurement of Air Blast Effects from Simulated Nuclear Reactor Core Excursions.	Richard J. Larson and Wendell Olson Ballistic Research Labs., Aberdeen Proving Ground, Md.	9-57
WKNL-46(Del.)	A Conceptual Study of a 100 KW Gass Cooled Reactor Power Plant for a Remote Location.	J. H. Frankfort Kidde (Walter) Nuclear Labs., Inc., Garden City, N. Y.	5-31-55

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AECL-566	Annual Report [Covering the Period April 1st, 1956 to March 31, 1957.]	Atomic Energy of Canada Ltd., Ottawa, Ont.	7-12-57

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ANL-5847	Additions to the Library. Report for the Period March 1-15, 1958. Technical Reports and Books.	P. A. Schulze Argonne National Lab., Lemont, Ill.	
MISC-1958-41 H.R. 11426	85th Congress 2d Session, House of Representatives. A Bill to Amend the Atomic Energy Act of 1954, as Amended, [with Regard to Cooperation with other Nations], Introduced March 13, 1958 by Mr. Durham and Referred to the Joint Committee on Atomic Energy.	U. S. Congress	
MISC-1958-50, No. 23	Twenty-Third Semiannual Report [to Congress] of the Atomic Energy Commission [for the Period July - December, 1957].	Atomic Energy Comm. (Wash., D. C.)	1-58

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UCRL Translation 346(L)	Concerning Some Platinum Alloys. Section [on] Platinum-Lead Alloys, by Fr. Doerinckel. Trans. from Zeitschrift für anorganische Chemie 54, 358-65 (1907). 9p.
UCRL Translation 369	Measurements of Reactivity on the G 1 Reactor, by J. Bernot, J. C. Koechlin, L. Portes, and A. Teste du Bailler. Trans. of France. Commissariat à l'Énergie Atomique, Paris, Report no. CEA-670 "F", 1957, 18p.
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UCRL-3481	The Dynamics of π-μ Decay in Flight	M. Lynn Stevenson	7-25-56
UCRL-3905	Properties of Negative K Mesons	F.M. Webb, E.L. Hoff, F.H. Featherston, W.W. Chupp, et al.	9-1-57
UCRL-3984	Photosynthesis (Offical Use Only)	M. Calvin, J.M. Anderson, J.A. Bassham, U. Blass, et al.	4-58
UCRL-3995	DNA Synthesis in Irradiated Animals (Offical Use Only)	L.S. Kelley	3-58
UCRL-3997 Abstract	Biological and Chemical Characteristics of Urinary Erythropoietin (Offical Use Only)	D.C. Van Dyke, J.F. Garcia, J.H. Lawrence	12-57
UCRL-8089	Studies Relating to the Structure of Aluminum Hydride	R.F. Nickerson	12-16-57
UCRL-8092	Calibration of the Bevatron Beam-Induction Electrodes	H.G. Heard	1-58
UCRL-8093	Volumetric and Thermodynamic Properties of Normal Fluids	K.S. Pitzer	1-58
UCRL-8114	Bevatron Operation and Development. XV. August, September, October 1957	W. Hartsough	1-10-58
UCRL-8116 Addendum	Documents Issued by the Technical Information Division - Addendum July 1 through December 31, 1957		2-18-58
UCRL-8152	A Method for Estimating the Heat of Formation of Inorganic Compounds	H.W. Anderson	1-58
UCRL-8165	The Volumetric and Thermodynamic Properties of Fluids V. Two Component Solutions	K.S. Pitzer, G.O. Hultgren	2-58

UCRL-8186	Several Spallation Reactions of Uranium-238 Plus Helium-4	J. A. Coleman	2-58
UCRL-8190	Ionization Energy Loss of Electrons and Their Range in Liquid Hydrogen	F. S. Crawford, Jr.	2-24-58
UCRL-8194	The Bare Particle Concept and Nucleon Electromagnetic Structure	G. F. Chew	2-24-58
UCRL-8201	A Summary of the Berkeley Conference on Biological Effects of Cosmic Rays and Accelerated Heavy Ions	C. A. Tobias, H. C. Mel, D. G. Simons	3-10-58
UCRL-8216	The Spin of Neptunium-238	R. G. Albridge, J. C. Hubbs, R. Marrus	3-18-58
UCRL-8218 Abstract	Further Studies on the Formation of the $>C=O$ Bond in the Radiation-Induced Oxidation of Protein	M. E. Jayko, W. M. Garrison	3-58
UCRL-8219 Abstract	Formation of C^{14}-Labelled Protein Derivatives in the Radiolysis of Aqueous Pepsin-$C^{14}H_3$ COOH Solutions	B. M. Weeks, W. M. Garrison	3-58
UCRL-8222	Neutron Production in a Linear Pinch	O. A. Anderson, R. V. Pyle	3-19-58
UCRL-8224	The Effects of Hydroxylamine on the $C^{14}O_2$ Fixation Pattern During Photosynthesis	J. A. Bassham, M. Kirk, M. Calvin	3-21-58
UCRL-8235	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of March 16-31, 1958		4-2-58
UCRL-8247 Abstract	Group Properties of the Electron Neutrino System	J. Gursey	
UCRL-8248 Abstract	Antiproton-Proton Cross Sections at 133-333 Mev	C. A. Coombes, B. Cork, W. Galbraith, G. R. Lambertson, et al.	4-58
UCRL-8256 Abstract	$\bar{p}$-p Elastic and Charge-Exchange Scattering at about 120 Mev	W. B. Fowler, L. E. Agnew, Jr., T. Elioff, et al.	4-58

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UCID-60 (4312-03 M1)	Hydrogen Refigerator Design Using Joy Heat Exchanger Tubing	D. Chelton, P. VanderArend	3-17-58
UCID-61 (4312-03 M2)	Cryogenics - 600 liter Hydrogen Storage Container	D. Mann, D. Chelton	3-17-58
UCID-62 (4312-03 M4)	72" Bubble Chamber - Chamber, Expansion System and Cryogenics Development Status	H. P. Hernandez	3-17-58
UCID-63 (4312-03 M8)	Large Bubble Chamber Development - Cryogenics Trip Report to NBS Cryogenic Laboratory, Feb. 14-16, 1956	H. P. Hernandez	3-17-58
UCID-64 (4312-03 M13)	Large Bubble Chamber Development - Cryogenics Operating Range for Deuterium	D.B. Chelton, D.B. Mann	3-17-58
UCID-65 (4312-03 M14)	Large Bubble Chamber Development Cryogenics - Heat Transfer Through Lead Gasketed Flanges	H.S. Hoard	3-17-58
UCID-66 (4312-04 M1)	72" Bubble Chamber - Full Scale Seal and Expansion Test	H. P. Hernandez	3-17-58
UCID-67 (4312-04 M2)	Large Bubble Chamber Development Piston Liquid Expansion System - Chamber and Expansion System	D. Parmentier	3-17-58
UCID-68 (4312-04 M3)	72" Bubble Chamber-Plates and Windows	F. Crawford	3-17-58
UCID-69 (4312-04 M4)	Large Bubble Chamber Development Chamber and Expansion System - 72" Inflatable Gasket Test Procedure	R. Smits	3-17-58
UCID-70 (4312-06 M5)	Relative Slopes of Isotherm and Adiabatic Curves	R.E. Donaldson	3-17-58
UCID-71 (4312-06 M6A)	Optical Windows and Seals for Hydrogen Bubble Chamber	J. Franck	3-17-58

UCID-72 (4312-07 M1)	Considerations on Choice of I.B.M. Punch	H. Bradner	3-17-58
UCID-73 (4312-07 M2)	Conversion of Microscope Shaft Position to I.B.M. Card Punch	H. Bradner	3-17-58
UCID-74 (4312-07 M3)	Effects of Multiple Coulomb Scattering on Track Curvature	H. Bradner	3-17-58
UCID-75 (4312-07 M4A)	Procedure for Finding Angles in Stereo Viewer	H. Bradner	3-17-58
UCID-76 (4312-07 M5)	Index of Refraction of Liquid and Gaseous Hydrogen at 27° K	F.S. Crawford, Jr.	3-17-58
UCID-77 (4312-07 M7)	Large Bubble Chamber Optical Studies and Data Analysis-Film Processing Building	D. Norgren	3-17-58
UCID-78 (4312-07 M9)	Specifications for a film Reader for Bubble Chamber photographs	H. Bradner	3-17-58
UCID-79 (4312-07 M17)	Large Bubble Chamber Development - Data Processing and Optical Studies - Film Reader Specs. Notes on Meeting of September 26, 1956 (Weds.)	H. Dea	3-17-58
UCID-80 (7911-10-M2)	72" Hydrogen Bubble Chamber - Magnet Tests Using 1 Megawatt D.C. Gen.	W. Eaton	3-17-58
UCID-81 (7911-30 F1A)	Trip Report --- Visit to Fish-Schurman Corp. RE: J-31577 - Glass Window for 72" Bubble Chamber	J.O. Turner	3-17-58
UCID-82 (7911-30-M12)	72" H_2 Bubble Chamber - Chamber Fabrication: Hydrogen Manifold Pressure Calc.	Hoard	3-17-58
UCID-83 (7911-43 M1)	72" Hydrogen Bubble Chamber Fabrication-1000 Liter Nitrogen Dewar Vent - Size and Pressure Rise on Vac. Loss	R. Byrns	3-17-58
UCID-84 (4312-07 M8)	Hydrogen Bubble Chamber - Data Reduction Optical Studies, etc.	D. Norgren	3-17-58

UCID-85 (7911-30 M24)	72" Hydrogen Bubble Chamber - Chamber Stainless Steel Selection	L. R. Lucas	3-14-58
UCID-86 (7911-30 Spec 248B)	Stainless Steel Casting for 72" Hydrogen Bubble Chamber Body	R. A. Frey	3-14-58
UCID-87 (7911-30- M23)	72" Hydrogen Bubble Chamber Fabrication Chamber Assembly - Summary of Trip to Hanford Foundry	L. R. Lucas R. A. Frey	3-14-58
UCID-88 (3140-01 M173)	Electricity Resistivity of Some Commercial Conductor and Resistor Materials	R. Burns	3-14-58
UCID-89 (3140-01 M186)	Low Temperature Tensile, Yield and Impact Strengths of Various Brasses	H. P. Hernandez	3-14-58
UCID-90 (3151-02 PB-3)	Cooling Water Systems for Electronics Particle Accel. Lab.	W. P. Carpender	3-31-58
UCID-91 (7911-30 M33)	72" Hydrogen Bubble Chamber Fabrication Chamber Assembly - Large Window (Schott No. 7751) as Installed	L. Lucas, D. Norgren R. Smits	3-14-58
UCID-92 (7911-01 M20)	72" Hydrogen Bubble Chamber Fabrication - General Assembly - 72" Bubble Chamber Building Requirements - Bldg. 59 (April, 1956)	H. P. Hernandez	3-14-58
UCID-93 (3140-01 M176)	Impact Strengths of Pure Annealed Metals at Low Temperature	B. Caylor	3-14-58
UCID-94	72" Hydrogen Bubble Chamber - General - First Operation Procedure	R. Burns, H. P. Hernandez	3-14-58
UCID-95 (7900-64 M1)	Fabrication of Fixed Assets - Two Sets of 8" Strong Focusing Magnets - 8" Aperture Strong Focusing Magnet Assy.	R. Kilpatrick	3-18-58
UCID-96 (7911-30 M36A)	Pressure Test of 72" Hydrogen Bubble Chamber and Hydrogen Pressure Container	L. R. Lucas	3-26-58

UCID-97 (CRG-7)	Results of Tests on Two C7232 Experimental 16-Stage Multiplier Phototubes	Q. Kerns, F. Kirsten	3-21-58
UCID-98 (4601-81 M5)	General Chemistry Research. High Current Cyclotron Preliminary Studies - Cost Estimate (No. 2)	R. Burleigh, E. Kelly	3-20-58
UCID-99 (4152-02 E1) (EE-327)	Magnet Coil Tester - Pulse Type	C.N. Winningstad, Q. Kerns	3-25
UCID-100 (EE-518)	Study of Lease/Purchase of IBM 704	W. McNaughton	4-9-58
UCID-101 (EE-423)	Cost Study. Rental vs. Outright Purchase vs. Lease-Purchase Option - IBM 709	W. McNaughton	4-4-58
UCID-102 (EE-524)	Typical IBM Contract Form and the Effect of Lease/Purchase Option Plan on Purchase of IBM Computers	W. McNaughton	4-4-58
UCID-103 (EE-549)	Desirability of the Purchase Option when Renting IBM 700 Equipment	W. McNaughton	4-4-58
UCID-104 (4320-12 M2)	Data Analysis Development - Optical System Development 72" Chamber Test of Experimental Flash Tube	J. Mark, R. Sorenson	4-21-58

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4901-02 EE-550	Bevatron M.G. Interphase Tranformers at Changeover	T. Sibary	4-11-58

Magnet Test Group

8021-88 MT-1	Duke Bubble Chamber Magnet Magnetic Measurements	L.G. Ratner	4-7-58
4901-02 MT-4	Ripple Measurements on 8" Bore, 32" Long Quadrupole Magnet Using Lee Rectifier Power Supplies	Ratner, Dorst	3-31-58

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3140-01 M193	Light Transmission of Plate Glass	J.O. Turner	4-10-58
4601-81 M7	General Chemistry Research High Current Cyclotron Prelim. Studies Comparison of Possible Model Magnets	R. Burleigh	4-10-58
4902-02 M11	184" Cyclotron Operation New Equipment and Components Accelerator Improvements Request for 1958 - 59	A. DuBois	4-3-58
7301-04 M16	Bevatron - Building Utilities - Excerpts Pertaining to Compressed Air Receivers Installation, Maintenance and Inspection	K. Lou	11-56
7303-02 M23	Bevatron - Vacuum System - Envelope - Tangent Tank Weights, Loads, Stresses and Deflections	A.O. DuBois	1-18-50
7306-01 M97	Bevatron-Miscellaneous General Quadrant III Outside Heavy Duty Platforms. Between Magnet and Shielding	O.W. Callahan	2-28-58
7307-01 M30	Bevatron - Experimental Facilities Parallel Plate Velocity Spectrometer	G. Edwards	7-1-57
7307-01 M31	Bevatron - Exp. Facilities. Parallel Plate Velocity Spectrometer No. 2	G. Edwards	2-24-58
7311-29 M15	Bevatron - Shielding - Earthquake Loads on Labyrinth Door Blocks Including Proposed Half Roof Shielding	O.W. Callahan	4-1-57

7311-29 M17	Bevatron - Shielding - Design Study for 15" Lead Shielding Above Beam Inside Tangent Tanks	O. W. Callahan	8-6-57
7911-01-M22	72" Hydrogen Bubble Chamber - General 72 Bubble Chamber Future Plans	H. P. Hernandez	4-8-58
7911-20 M6	72 Hydrogen Bubble Chamber Vacuum System Pressure Test of Pressure Alarm Switch PA2V	F. Tanforan	4-8-58
7911-34 M3	72 Hydrogen Bubble Chamber Nitrogen Shield 7N1566 Vacuum and Pressure Test	J. Mark, F. Tanforan	4-7-58
7911-50 M1	72" Hydrogen Bubble Chamber Optics Mounting Tolerances	L. R. Lucas	3-21-58