NOTICE

This report contains information of a preliminary nature and was prepared primarily for internal use at the originating installation. It is subject to revision or correction and therefore does not represent a final report. It is passed to the recipient in confidence and should not be abstracted or further disclosed without the approval of the originating installation or USDOE Office of Scientific and Technical Information, Oak Ridge, TN 37830.

PWAC-500
BIBLIOGRAPHY OF CONNECTICUT
ADVANCED NUCLEAR ENGINEERING
LABORATORY REPORTS

CONTRACT
AT(30-1)-2789

Issued
December, 1965

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Pratt & Whitney Aircraft

DIVISION OF UNITED AIRCRAFT CORPORATION

CANAL

MIDDLETOWN CONNECTICUT

U
A
MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

DISCLAIMER

**Portions of this document may be illegible
in electronic image products. Images are
produced from the best available original
document.**

TABLE OF CONTENTS

	<u>Page No.</u>
VOLUME I	
Introduction -----	v-1
Bibliography of Reports	
PWAC's -----	1
TIM's -----	47
CNLM's -----	117
VOLUME II	
Introduction -----	v-2
Bibliography of Reports	
CNLM's (CNLM-2435) -----	293
FXM's -----	545
Miscellaneous Reports -----	575

DO NOT MICROFILM
THIS PAGE

BIBLIOGRAPHY OF CONNECTICUT ADVANCED
NUCLEAR ENGINEERING LABORATORY REPORTS

Approved By: D. L. Schmidt
D. L. Schmidt

UNCLASSIFIED

CLASSIFICATION

H. H. Hannon

AUTHORIZED CLASSIFIER

November 30, 1965

DATE

DO NOT MICROFILM
THIS PAGE

INTRODUCTION

This report, published in two volumes, is a bibliography of the reports published at the Connecticut Advanced Nuclear Engineering Laboratory (CANEL). The reports cover the period 1952 through 1965 and include the Aircraft Nuclear Propulsion program, the Advanced Liquid Metal Cooled Reactor program, the Advanced Reactor Materials program and the SNAP-50 program. The bibliography contains the report number, title, author, date published, and classification. In some cases where the writing of a report was a group effort, and in some reports containing compilations of certain types of data, the author column is not applicable. This is indicated by a "n.a." in the author column.

The following types of reports are included: PWAC's, TIM's, CNLM's, FXM's and miscellaneous reports. PWAC and TIM reports conform to the requirements of AEC Manual Chapter 3202-041 and 3202-042, respectively. Most of the technical information of interest generated by this project is documented in these reports. CNLM and FXM reports were written primarily for internal distribution. However, these reports contain enough information of technical interest to warrant their inclusion. All CNLM's and those FXM's considered to be of interest are included in this bibliography. The MPR's (Monthly Progress Reports) are the most important of the miscellaneous categories of reports. The other miscellaneous categories relate primarily to equipment and reactor specifications.

The Division of Technical Information Extension (DTIE) at Oak Ridge, Tennessee has been designated as the primary recipient of the reports in the CANEL library. When more than one copy of a report was available, the additional copies were delivered to the Lawrence Radiation Laboratory, Livermore, California.

DO NOT MICROFILM
THIS PAGE

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-1	Symbols to be Used for the "WMR" Cycle Studies	Meyer, R.	5/2/51	CRD
PWAC-2	Heat Exchanger Calculation	Meyer, R.	6/19/51	U
PWAC-3	Reactor Exit Temperature vs. Core Diameter (Curve)	Meyer, R.	7/18/51	U
PWAC-4	Core Shield Weight vs. Idealized Uranium Investment (Curve)	n.a.	10/26/51	U
PWAC-5	Reactor Shield Diameter vs. Core Diameter and Reactor Power Based on NDA information	n.a.	11/6/51	U
PWAC-6	Weight Breakdown of the Nuclear Powered Ducted Blower	Lingenfelter, C.	9/25/51	SRD
PWAC-7	Preliminary Results of Super- critical Water Cycle Turbojet Studies	Lueckel, W.	10/5/51	SRD
PWAC-8	Method of Scaling the Nuclear Ducted Blower Powerplant	Lingenfelter, C.	11/2/51	SDI
PWAC-9	Letter to Maynard L. Pennel, Boeing Airplane Company	Pratt, P.	11/6/51	U
PWAC-10	Index to Curves, FXM-40 Curves, FXM-40 Numbers 1 Through 31 Drawing of the Ducted Flower FXM-40	n.a.	11/21/51	SRD
PWAC-11	Copy of "Estimated Divided Shield Weights for Supercritical Water Cycle" For: United Aircraft Corporation Research Department	n.a.	11/1/51	U
PWAC-12	Parametric Study of a Reactor Core Design Type	Adolph, N. Gruber, A.	10/19/51	U
PWAC-13	Performance and Weight Break- down of the Nuclear Powered Ducted Blower at Flight Mach Number 0.9 Altitude Sea Level	Lingenfelter, C.	11/9/51	SDI
PWAC-14	Data for a Nuclear Powered Ducted Blower Design at Mach Number 0.9, Altitude Sea Level	Lingenfelter, C.	11/19/51	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-15	Letter to Boeing re: Boeing 480-751-477 and P&W FXM-37, Dated 11/6/51	Schmickrath, B.	11/16/51	U
PWAC-16	Performance and Weight Break- down of the Nuclear Powered Ducted Blower at Flight Mach Number 1.5, Altitude 45,000 Feet	Lingenfelter, C.	1/15/52	SDI
PWAC-17	First Pass Nuclear Ducted Blower Design Point Cycle Study	Lingenfelter, C.	1/16/52	SDI
PWAC-18	Letter to Lockheed (Transmittal)	Pratt, P.	1/18/52	SRD
PWAC-19	Copy of Letter to F. deGanahl Dated 1/7/52	Mela, R.	1/7/52	U
PWAC-20	Nuclear Engine Performance	Shaw, P.	2/20/52	SRD
PWAC-21	Transmittal Letter to Boeing Dated 3/6/52	Pratt, P.	3/6/52	U
PWAC-22	Weight of the Nuclear Ducted Blower Design for Mach Number 0.9 S. L. (Design A)	Lueckel, W.	10/5/51	U
PWAC-23	Letter to Mr. C. F. deGanahl	Mela, R.	3/19/52	U
PWAC-24	Transmittal Letter to Lockheed Dated 3/13/52	Pratt, P.	3/13/52	U
PWAC-25	Progress Report	n.a.	3/16/52	SRD
PWAC-26	Copy of Letter to C. F. deGanahl	Mela, R.	3/19/52	U
PWAC-27	Off-Design Performance of a Nuclear Powered Ducted Blower Designed for Mach Number 1.5 Altitude 45,000 Feet	Lingenfelter, C.	3/20/52	SRD
PWAC-28	Transmittal Letter to Convair Dated 3/27/52	Pratt, P.	3/27/52	SRD
PWAC-29	Transmittal Letter to Lockheed	Pratt, P.	4/1/52	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-30	Transmittal Letter to Boeing	Pratt, P.	4/1/52	SRD
PWAC-31	Transmittal Letter to WADC	Pratt, P.	4/1/52	SRD
PWAC-32	Design-point Performance of the Nuclear Powered Ducted Blower at Flight Mach Number 1.4 Altitude 35,332 Feet	Lingenfelter, C.	4/16/52	SRD
PWAC-33	Off-design Performance of a Nuclear Powered Ducted Blower Designed for Mach Number 1.4 Altitude 35,332 Feet	Lingenfelter, C.	4/21/52	SRD
PWAC-34	Performance Test of a 3 inch Turbine Pump	n.a.	7/22/54	CRD
PWAC-35	Letter to Lockheed	Schmickrath, B.	4/23/52	SRD
PWAC-36	Comparison of the Off-design-point Performance of Several Nuclear Ducted Blower Power-plants (Designs, A, B & C)	Lingenfelter, C.	5/7/52	SRD
PWAC-37	Off-design Performance of a Nuclear Powered Ducted Blower Designed for Mach Number 0.9 Altitude S. L. (Design D)	Freed, M.	5/8/52	SRD
PWAC-38	Off-Design-point Performance of Several Ducted Blower Power-plants Designed Sea Level	Lingenfelter, C.	6/6/52	SRD
PWAC-39	Complete Engineering Progress Report Number 4	n.a.	6/30/52	SRD
PWAC-40	Summary Engineering Progress Report Number 4	n.a.	6/30/52	SRD
PWAC-41	Off-Design Performance of a Nuclear Powered Ducted Blower Designed for Mach Number 2.0 at 45,000 Feet	Lingenfelter, C.	6/25/52	SRD
PWAC-42	Method for Sizing the Steam Power Piping of the Ducted Blower	Meyers, R.	6/26/52	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-43	Letter to Lockheed Dated 6/27/52	Schmickrath, B.	6/27/52	SRD
PWAC-44	Nuclear Ducted Blower Power- plant "H" Engine - Effect of Pipe Pressure Drops on Thrust Per Unit Frontal Area	Andrews, N.	6/9/62	SSI
PWAC-45	Data for the Preliminary Design of the Ducted Blower Design H	Lingenfelter, C.	8/11/52	SRD
PWAC-46	Off Design - Performance of Engine Design K-2B	Rafferty, J.	8/7/52	SRD
PWAC-47	Complete Engineering Progress Report Number 5	n.a.	9/30/52	SRD
PWAC-48	Summary Engineering Progress Report Number 5	n.a.	9/30/52	SRD
PWAC-50	Preliminary Technical Evaluation of the Application of the Supercritical Water Cycle Nuclear Powerplant to Aircraft Propulsion MX-1847	n.a.	9/30/52	SSI
PWAC-51	Divided Shield Design Procedures for Supercritical Water System	Mella, R.	5/9/52	U
PWAC-52	Suggestions for a Condensate and Feed Pump Design Study Proposal	n.a.	4/22/52	U
PWAC-53	Visit to Boeing ANP Group	Chalfant, A.	9/17/52	SSI
PWAC-54	Divided Shield for a Water Reactor	Mella, R.	9/16/52	SRD
PWAC-55	Trip to Argonne National Laboratory	Chalfant, A.	9/16/52	U
PWAC-56	Revised Data for the Pre- liminary Design of the Ducted- Blower Design-H	Lingenfelter, C.	11/10/52	U
PWAC-57	Part-Load Performance of the H-Engine	Lingenfelter, C.	11/20/52	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-58	Off-Design Performance of Engine Design H-3b with Trane Condenser	Lingenfelter, C.	11/21/52	SRD
PWAC-59	Specifications for Several Condensers to be Transmitted to Boeing Airplane Company	Klingensmith, K.	12/18/52	SRD
PWAC-60	Engineering Progress Report Number 6	n.a.	12/31/52	CRD
PWAC-61	Engineering Progress Report Number 6 Summary	n.a.	10/1/52	U
PWAC-62	Nuclear Ducted Blower Engine Weight and Dimensions Scaling (Superseded FXM-33, PWAC-8)	Tiedemann, H.	1/20/53	SRD
PWAC-63	Off-Match Point Performance of SCW Ducted Blower Powerplants for Prelim Design II	Lingenfelter, C.	4/14/53	SRD
PWAC-64	Engineering Progress Report Number 7	n.a.	3/30/53	SRD
PWAC-65	Engineering Progress Report Summary Number 7	n.a.	3/30/53	SRD
PWAC-66	Variation of Reactor Shielding Parameters with Reactor Power	deGanahl, C.	5/8/53	U
PWAC-67	SCW Ducted Blower Powerplant Data for Application to a Logistics Carrier	Lingenfelter, C.	3/24/53	U
PWAC-68	Partial Results of the Temperature Comparison Between the Turbojet and the SCW Ducted Blower Using the Fireball Reactor	n.a.	7/3/57	U
PWAC-69	Engineering Progress Report Number 8	n.a.	6/30/53	SRD
PWAC-70	Engineering Progress Report Number 8 Summary	n.a.	6/30/53	SRD
PWAC-71	Nuclear Turbojet Engine Weight and Dimension Scaling	Fenger, C.	7/24/53	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-72	Dynamic Studies on a 4.2 KW/cc Power Density, 400 MW CFR	Cole, P.	8/26/53	U
PWAC-73	Prelim Investigation of the Application of Chemically-Augmented Nuclear Turbojets to Strategic Bomber Aircraft	deGanahl, C.	9/14/53	SRD
PWAC-74	Off-Match Point Performance and Data for Ducted Blower Powerplants Using the SCW Reactor	Lingenfelter, C.	10/12/53	U
PWAC-75	Engineering Progress Report Number 9	n.a.	9/30/53	SRD
PWAC-76	Summary Engineering Progress Report Number 9	n.a.	9/30/53	SRD
PWAC-77	Match-point Performance and Data for the Liquid Metal Turbojet with a Circulating Fuel Reactor	Tiedemann, H.	10/27/53	SRD
PWAC-78	Off-match-point Performance and Data for Ducted Blower Powerplants Using the CFR	n.a.	12/16/53	SRD
PWAC-79	Flexibility and Stress Analysis of Piping for the "H" Powerplant	Starbird, A.	11/11/53	U
PWAC-80	Match-point Performance and Data for the Liquid Metal Turboprop with a CFR	Tiedemann, H.	11/23/53	SRD
PWAC-81	Data on 2 Liquid Metal Turbojet Powerplants Utilizing the CFR with a Fluoride Fuel Temperature of 1700F	n.a.	n.d.	SRD
PWAC-83	Engineering Progress Report Number 10	n.a.	12/31/53	U
PWAC-84	Summary Engineering Progress Report Number 10	n.a.	12/30/53	U
PWAC-85	Off-match-point Performance of the Liquid Metal Turbojet with a CFR	Tiedemann, H.	12/31/53	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-86	Prelim Investigation of the Nuclear Conversion of the J-75	Austin, G.	12/31/53	SRD
PWAC-87	Two Ducted Blower Powerplants Using the SCWR with an Intermediate Heat Exchanger	Andrews, N.	12/31/53	SRD
PWAC-88	Reactor and Shield Weights for SCWR	deGanahl, C.	12/31/53	U
PWAC-89	Reactor and Shield Weights for CFRMR	deGanahl, C.	12/31/53	U
PWAC-90	Study of Ground Handling Problems of the SCWR and the CFRMR Powerplants	Chalfant, A.	12/31/53	U
PWAC-91	Comparison of Nuclear Propulsion Systems Employing CFR and SCW Reactors	n. a.	12/31/53	SRD
PWAC-92	CFRMR Reactor and Shield Weights for the 1700F Chemically Augmented-Turbojet Study (PWAC-86)	deGanahl, C.	1/6/54	U
PWAC-93	Interim Report on CFRMR Core Power Density and Fuel Temperature Study	deGanahl, C.	2/18/54	U
PWAC-95B	Estimated Performance Data for a Chemical-Nuclear Turbojet of 7/1 CPR	Tiedemann, H.	6/9/54	U
PWAC-96	Estimated Performance Data for a Chemical-Nuclear Turbojet of a Nominal 12 to 1 CPR	Austin, G.	6/17/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-96 (Supp. A)	Estimated Performance Data for a Chemical-Nuclear Turbojet of 12:1 CPR Using 1500F Fluoride Fuel and an After-burning Temperature of 3200F	Austin, G.	7/16/54	SRD
PWAC-96 (Supp. B)	Normalized Performance Data for a Chemical Nuclear Turbojet of 12:1 CPR Using Fluoride Fuel	Austin, G.	12/15/54	SRD
PWAC-97	Estimated Performance Data for a Chemical-Nuclear Turbojet of 7:1 CPR Using 1500F Fluoride Fuel	Tiedemann, H.	6/9/54	SRD
PWAC-97 (Supp. A)	Estimated Performance for a Chemical-Nuclear Turbojet of 7:1 CPR Using 1500F Fluoride Fuel and After-burning Temperature of 3200F	Tiedemann, H.	6/20/54	SRD
PWAC-97B	Normalized Performance Parameters for a Chemical-Nuclear Turbojet of 7:1 CPR Using 1500F Fluoride Fuel	Tiedemann, H.	9/7/54	SRD
PWAC-97C	Jet Nozzle Throat Area and Exit Area for a Chemical-Nuclear Turbojet of 7:1 CPR Using 1500F Fluoride Fuel	Tiedemann, H.	9/30/54	SRD
PWAC-98	Weight and Dimension Scaling of Nuclear Turbojets with Chemical Augmentation	Andrews, N.	6/24/54	CRD
PWAC-99	Estimated Performance and Data for a Chemical-Nuclear Turbojet of 9:1 CPR Using 1500F Fluoride Fuel	Tiedemann, H.	7/21/54	SRD
PWAC-99 (Supp. A)	Jet Nozzle Throat Area for a Chemical-Nuclear Turbojet of 9:1 CPR Using 1500F Fluoride Fuel	Tiedemann, H.	8/12/54	U
PWAC-99B	Normalized Performance Parameters for a Chemical-Nuclear Turbojet of 9:1 CPR Using 1500F Fluoride Fuel.	Tiedemann, H.	9/5/54	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-100	SCW Reactor Shield Design Procedure	n.a.	6/1/54	U
PWAC-101	The Effect of Internal Flexibility of Large Radius Pipe Bends	Barton, W. Starbird, A.	6/1/54	U
PWAC-102	Final Report on Condensers for the SCW Ducted Blower	Klingensmith, K.	6/1/54	U
PWAC-103	Hot Spot Formation and Water Contamination in a SCW Reactor	Chalfant, A.	6/1/54	U
PWAC-104	Corrosion Studies of Prospective Engineering Materials for a SCW Cycle	n.a.	6/1/54	U
PWAC-105	Experimental Studies of the Flow Sensitivity Problem in the SCW	Peak, R.	6/1/54	U
PWAC-106	Investigation of Properties of Materials for SCW Pressure Shell Application	Levy, A.	6/1/54	U
PWAC-107	Summary of Control Work at P&WA on the SCW Reactor Ducted Blower Propulsion System	Bourret, C.	6/1/54	U
PWAC-108	SCW Pump Summary Report	Means, H.	6/1/54	U
PWAC-109	Heat Transfer and Fluid Friction Experiments for the SCW Reactor	Chalfant, A.	6/1/54	U
PWAC-110	The Development of Fuel Elements for the SCW Reactor	Chalfant, A.	6/1/54	U
PWAC-111	Testing of High Speed Gears	King, A.	6/1/54	U
PWAC-112	Status of the Mechanical Design of the SCWR	Chalfant, A.	11/26/57	U
PWAC-116	Method of Correcting Net Thrust for Jet Nozzle Exit Area Less Than Optimum	Fenger, C.	8/10/54	CRD
PWAC-117	Performance Comparison of 12:1 CPR Engines Using 1500F and 1600F Fluoride Fuel Temperature	Austin, G.	3/16/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-118	Performance of Two Liquid Metal Turboprop Engines Utilizing a CFR	Tiedemann, H.	1/20/55	U
PWAC-119	A Prelim Evaluation of the Main Radiator in Airplane Power-plants Consisting of CFR and Liquid Metal Turbojets	Centofanti, A.	9/29/54	CRD
PWAC-120	Estimated Performance of 7:1 CPR Nuclear Chemical Turbojet Engine	Andrews, N.	10/14/54	U
PWAC-120 (Supp. A)	Normalized Performance Parameters for a Chemical Nuclear Turbojet of 7:1 CPR Using 1500F Fluoride Fuel	Tiedemann, H.	10/28/54	U
PWAC-120 (Supp. B)	Estimated Performance of 7/1 Compressor Pressure Ratio Nuclear-Chemical Turbojet Engine W3413	Lingenfelter, C.	12/29/54	U
PWAC-120 (Supp. C)	Supplemental Data for the 7:1 Nuclear Chemical Turbojet Engine	Andrews, N.	5/10/55	U
PWAC-120 (Supp. D)	Weight Summary for PP with Six 400 lb/sec 7:1 CPR Nuclear Turbojets	Andrews, N.	5/12/55	U
PWAC-120 (Supp. E)	Supplemental Data for the 7/1 Compressor Pressure Ratio Nuclear-Chemical Turbojet Engine	Andrews, N.	6/27/55	CRD
PWAC-121	Thermodynamic Parametric Study of Chemical Nuclear Turbojets	Andrews, N.	11/15/54	U
PWAC-122 with Rev.	Comparison of Performance of the 7:1, 9:1 and 12:1 Nuclear Chemical Turbojet Engines	Deese, C.	11/22/54	U
PWAC-123	Flexibility and Stress Analysis of a NaK Piping System for a Nuclear-Powered Airplane	Starbird, A.	11/17/54	U
PWAC-124	A Comparison of Five Radiator Core Types for Use With the 7:1 CPR Turbojet	Degler, D.	11/22/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-125	Estimated Performance of a 7/1 Compressor Pressure Ratio Chemical Turbojet Engine	Deese, C.	3/17/55	CRD
PWAC-126	NJ-1 Powerplant Characteristics Summary	n.a.	3/16/55	CRD
PWAC-127	Thompson Products Technical Report on the Analysis of Three Liquid-Metal-to-Air Radiator Core Types	Harvey, C.	4/27/55	CDI
PWAC-128	Liquid-metal to Air Heat Exchanger	Birchfield, J.	2/4/55	CRD
PWAC-129	Liquid Metal to Air Radiation	Lyerly, R.	9/54	CRD
PWAC-130	Photographic Report of the NJ-1 Powerplant Models	Meyer, R.	6/23/55	CRD
PWAC-131	Pump Drive and Cooling Study	Smith, R.	6/30/55	CRD
PWAC-132	Performance Investigation of Turning-vane Cascades for Application to Inclined Heat Exchangers	Greenawald, W.	6/23/55	CRD
PWAC-133	University of Connecticut Technical Report on the Measurement of Heat Transfer Coefficients and Pressure Losses for Air Flowing Through Internally Finned Tubes	Schenk, H.	6/24/55	U
PWAC-134	Powerplant Characteristics Summary NJ-2	n.a.	10/1/55	CRD
PWAC-135	Powerplant Characteristics Summary NJ-2A	n.a.	10/15/55	CRD
PWAC-137	Thermal Neutron Velocity Distribution in Monatomic Media	Niestlie, J. Berman, A.	8/23/55	U
PWAC-138	Flexibility and Stress Analysis of Piping Using the I.B.M.	Doody, B.	9/27/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-139	Hazards Summary Report on Nuclear Physics Laboratory at CANEL	n.a.	10/10/55	U
PWAC-140	Feasibility Report Number 1 for Establishment of Basic Quota	Kelly, K.	10/25/55	U
PWAC-141	Estimated Performance and Weight of a Twin Power Package Using Two 120 MW Solid Fuel Element Reactors	Andrews, N.	10/25/55	CRD
PWAC-142	Estimated Weight Scaling Data for a Twin Power Package Using the Solid Fuel Element Reactor	deGanahl, C.	12/15/55	CRD
PWAC-143	Flight Parameter Data for Use in Powerplant Performance Studies	Brueger, J.	1/3/56	U
PWAC-144	Powerplant Characteristics Summary NJ-2B	n.a.	4/18/56	CRD
PWAC-145	Cornell Aeronautical Laboratory Report on the Fabrication Phase of Liquid-metal-to-air Radiator Investigations	Lyerly, R.	4/9/56	CRD
PWAC-146	Feasibility Report Number 2 for Increase of Basic Quota	Smith, A.	5/3/56	CRD
PWAC-146 (Supp. 1)	Feasibility Report of Fuel Specimens for Irradiation Test	n.a.	5/1/57	U
PWAC-146 (Supp. 2)	Feasibility Report on Conditioning of Fuel Specimens for Irradiation Tests	n.a.	1/20/58	U
PWAC-146 (Supp. 1) Amend. 1	Feasibility Report on Fuel Specimens for Irradiation	Beardsley, G.	4/28/58	U
PWAC-146 (Supp. 3)	Feasibility Report on Conditioning of Fuel Specimens for Irradiation Tests	Beardsley, G.	2/12/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-146 (Supp. 4)	Feasibility Report on Fabrication of Ceramic Type Fuel Test Specimens	Woodward, C.	4/8/58	CRD
PWAC-146 (Supp. 4) Amend. 1	Feasibility Report on Fabrication of Ceramic Type Fuel	Woodward, C.	5/6/58	CRD
PWAC-146 (Supp. 5)	Feasibility Report for the Fabrication of Ceramic Type Fuel Test Specimens	Beardsley, G.	11/7/58	CRD
PWAC-146 (Supp. 6)	Feasibility Report - Fabrication of Ceramic Type Fuel Test Spec- imens for Inpile Capsule Tests	Beardsley, G.	5/12/59	CRD
PWAC-146 (Supp. 7)	Feasibility Report - Fabrication of Cermet Type Fuel Test Spec- imens for Inpile Capsule Tests	Beardsley, G.	9/3/59	CRD
PWAC-146 (Supp. 8)	Feasibility Report - Fabrication of Ceramic Type Fuel Test Spec- imens for Inpile Capsule Tests	Beardsley, G.	12/18/59	CRD
PWAC-146 (Supp. 9)	Feasibility Report - Fabrication of Ceramic Type Fuel Test Spec- imens for Inpile Capsule Tests	Beardsley, G.	7/24/61	CRD
PWAC-146 (Supp. 10)	Feasibility Report - Fabrication of Ceramic Type Fuel Test Spec- imens for Inpile Capsule Tests	Beardsley, G.	9/12/61	CRD
PWAC-146 (Supp. 11)	Feasibility Report - Fabrication of Ceramic Type Fuel Test Spec- imens for Inpile Capsule Tests	Brown, A.	6/8/62	CRD
PWAC-146 (Supp. 12)	Fabrication of Ceramic Type Fuel Test Specimens for Inpile Capsule Tests	Brown, A.	2/11/63	CRD
PWAC-147	PP Characteristics Summary	n.a.	6/29/56	U
PWAC-150	Turboprop Propeller Power- plant Selection Method	Gaffin, W.	7/6/56	U
PWAC-151	Aerojet-General Technical Report on the Design, Fabrication, and Testing of a Model, 400 GPM Liquid-metals Pump	Means, H.	7/10/56	CDI

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-152	Radiator Design Evaluation by the Ferrotherm Company	Daddario, A.	7/17/56	CDI
PWAC-153	Hazards Summary Report on High Flux Test Reactor for CANEL	n.a.	7/18/56	U
PWAC-154	Trane Company Technical Phase Report	Hurwicz, H.	9/10/56	U
PWAC-155	Cold-flow Tests of Cylindrical Heat-exchanger and Diffuser Configurations	Ahlquist, E.	6/6/56	CRD
PWAC-156	Preliminary Control System Specification for the NJ-2 Powerplant	n.a.	8/20/56	U
PWAC-157	Heavy Element Impurity in a Beryllium Shim Safety Rod	Simens, H.	9/12/56	U
PWAC-158	Bonding of Nickel Base Alloys	Werner, A.	7/31/56	U
PWAC-159	Summary Report of Fox Project Radiator Development Effort Under AF 33(038)-27341	Klingensmith, K.	9/10/56	CRD
PWAC-160	Alloy Development Interim Report	n.a.	11/3/56	CRD
PWAC-161	Nuclear Engineering Program Topical Report Number 1 - July 1, 1955 - June 30, 1956	n.a.	12/5/56	U
PWAC-162 (Rev. 2)	Connecticut Aircraft Nuclear Engine Laboratory - Current Facilities - Middletown, Connecticut	n.a.	7/5/57	U
PWAC-163	Powerplant Characteristics Summary	n.a.	2/20/57	U
PWAC-164	Reactor Physics for an Advanced Design	n.a.	4/4/57	CRD
PWAC-165	Ultrasonic Welding Development	Meinhardt, J.	2/19/57	U
PWAC-166	Nuclear Program Topical Report	n.a.	3/15/57	CRD
PWAC-167	Summary Progress Report on an Investigation of the Manufacture of High Density BeO Parts By Brush Beryllium Company	n.a.	4/5/57	U
PWAC-168	Nuclear Engineering Program Topical Report Number 2	n.a.	3/15/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-168 (Supp. A)	Nuclear Engineering Program Topical Report Number 2	n.a.	6/4/57	CRD
PWAC-169	Preliminary Data for a Nuclear Turboprop Powerplant	Brueger, J.	4/5/57	CRD
PWAC-170	Hazards Summary Report on Critical Experiment - Program Number 1 at CANEL	Beck, C.	5/31/57	U
PWAC-170 (Supp. 1)	Hazards Summary Report on Critical Experiment Program Number 1 at CANEL	Carson, A.	11/27/57	CRD
PWAC-171	Thompson Products Final Report on Heat Exchanger Processing	Smith, L.	3/13/57	CRD
PWAC-172	Thompson Products Technical Report on the Design and Fabri- cation Method of a Liquid-metal- to-air Radiator Core	Smith, L.	3/13/57	CRD
PWAC-173	Report of CANEL Operations Radiator Development Effort	n.a.	9/4/57	CRD
PWAC-174	Design Criteria Control Systems Laboratory	Palmer, R.	8/20/57	U
PWAC-175	NJ-6A, NJ-8A Engine Performance Summary	n.a.	4/1/57	CRD
PWAC-176	Design Criteria CANEL Chemical Engine Test Cell	n.a.	7/9/57	CDI
PWAC-177	The Effect on Airplane Per- formance of Modifying the WS-125A Mission Requirements	Gaffin, W.	4/19/57	CRD
PWAC-178	Tests of 6-inch Cameron Iron Works Valve	Deschanes, B.	9/27/57	CDI
PWAC-180	All-Nuclear Supersonic Bomber Powerplant Characteristics Summary	Gray, W. et al	6/10/57	CRD
PWAC-180 (Supp. 1)	Supplement to All-Nuclear Supersonic Bomber Powerplant Characteristics Summary	Chalfant, A. Carson, A.	12/9/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-181	AiResearch Manufacturing Company's Design Report of an Air Turbine Pump Drive	Kabayashi, R.	9/27/57	CDI
PWAC-182	Thompson Products Design Report of an Air Turbine Pump Drive	Bresnahan, D.	9/27/57	CDI
PWAC-183	NJ-11 Powerplant Characteristics Summary	Larson, J.	8/1/57	CRD
PWAC-183 (Supp. 1)	Supplement to NJ-11 Powerplant Characteristics	Chalfant, A. Carson, A.	12/10/57	CRD
PWAC-184	Feasibility Report on Critical Experiment Program Number 1 at CANEL	n.a.	7/2/57	U
PWAC-184 (Amend. 1)	Feasibility Report on Critical Experiment Program Number 1 at CANEL	Beardsley, G.	8/2/57	U
PWAC-184 (Amend. 2)	Feasibility Report on Critical Experiment Program Number 1 at CANEL	Beardsley, G.	5/8/58	U
PWAC-184 (Supp. 1)	Feasibility Report on Critical Experiment Program Number 1 at CANEL	Woodward, C.	8/2/57	U
PWAC-185	Analytical and Experimental Studies of the Combustion of a NaK Stream in Air	Ahern, J. Doyle, J.	10/10/57	U
PWAC-186	Core-moderated Circulating Fuel Reactor Study	Woods, T.	12/4/57	U
PWAC-187	Minimum Altitude Nuclear Bomber Powerplant Characteristics Summary	Bronke, V.	7/16/57	CRD
PWAC-187 (Supp. 1)	Minimum Altitude Nuclear Bomber Powerplant Characteristics Summary	Chalfant, A. Carson, A.	12/10/57	CRD
PWAC-188	Weapons System 125A Nuclear Bomber Powerplant Characteristic Summary	Brueger, J.	7/12/57	CRD
PWAC-188 (Supp. 1)	Performance Characteristics Summary for Modified Version of WS125A Nuclear-Chemical Powerplant	Gray, W.	11/18/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-188 (Supp. 2)	Weapons System 125A Nuclear Bomber Powerplant Character- istics Summary	Chalfant, A. Carson, A.	12/9/57	CRD
PWAC-189 (Vol. 1)	The P&WA Circulating Fuel Reflector Moderated Reactor	Bigelow, C.	4/24/58	U
PWAC-189 (Vol. 2)	The P&WA Circulating Fuel Reflector-moderated Reactor	Bigelow, C.	9/4/58	U
PWAC-190	Results of Operating J57 Under Irradiation at ORNL Tower Shielding Facility	Dufford, J.	10/16/57	CRD
PWAC-191	Summary Report on the Irradia- tion of P&WA Systems at System Panels Test Number 2	Dunn, E.	10/8/57	CRD
PWAC-192	Liquid Metal Test of 6-inch Piston - Operated Walworth Valve	Chambers, R.	9/26/57	CDI
PWAC-193	CANEL Site Monitoring Program	Kerr, G.	1/7/58	U
PWAC-194	Design Report of Liquid-metal Circulating Pumps	Meyer, R.	10/4/57	U
PWAC-196	Design Report of Liquid-metal Circulating Pump	Meyer, R.	10/4/57	U
PWAC-198	Shield Optimization Code	Rost, E. et al	10/2/57	CRD
PWAC-199	Report on Liquid-metal Valves for a Nuclear Aircraft Powerplant	Meyer, R.	10/4/57	CDI
PWAC-200	Engineering Design Status Report on the Solid Fuel Element Sodium Cooled Test Reactor - PWAR-5A	Starbird, A.	6/23/58	CRD
PWAC-201	NJ-11A Powerplant Character- istics Summary	Bronke, V.	10/8/57	CRD
PWAC-202	An Evaluation Study of Project RAND Report RM-1897	Meyer, R.	9/24/57	CRD
PWAC-203	MSA-Callery Chemical Company - Mass Transfer Program Summary	Paradise, E. Austin, G.	10/28/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-204	Nuclear Seaplane Powerplant Performance Study	Gaffin, W.	9/24/57	CRD
PWAC-205	CTF Summary Hazards Report	Hedden, D. MacFarlane, D.	11/15/57	CRD
PWAC-206	The Circulating Fuel Reactor Powerplant Control System Analysis	Flanders, T. Blecher, W.	10/14/57	U
PWAC-209	The Trane Company Technical Phase Report on Evaluation of the Most Efficient Heat Transfer Surfaces for Liquid-Metal-to-Air Radiators	Allen, J.	10/4/57	CDI
PWAC-210	The Trane Company Technical Phase Report on the Study of Optimum Liquid-metal-to-air Surface Core Arrangement for Orientation in a Circular Duct	Allen, J.	10/1/57	CDI
PWAC-213	Summary Report of Single-tube Branch and Multi-tube Branch Water Flow Tests Conducted by the University of Connecticut	Zeisser, M.	11/6/57	U
PWAC-214	Ferrotherm Company Comprehensive Report on Pin Fin Study	Daddario, A.	10/2/57	CRD
PWAC-215	Thermal Shock Test of Inter-burner Fuel Nozzle Clusters	Flynn, J.	10/17/57	CDI
PWAC-216	The Trane Company Technical Phase Report on the Testing of a Tube-and-plate-fin Extended Surface	Hurwicz, H.	10/2/57	U
PWAC-217	Characteristics Summary of Nuclear Turboprop Powerplants	Brueger, J. Bronke, V.	1/7/58	CRD
PWAC-218	Function Scales and Nomograph for the Calculation of Air Pressure Drop Through Constant-Area Heated Passage	Kvick, P.	10/10/57	U
PWAC-220	P&WA Aircraft Nuclear Engine Diffuser Program	Smith, L.	10/21/57	CDI
PWAC-221	JTN-9 Design and Development Termination Report	Witherspoon, J.	10/18/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-222	JTN-9 Single Segment Burner Rig Termination Report	Roy, W.	10/8/57	CDI
PWAC-224	Status of the Control System for the Powerplant Secondary Heat Transfer Loop	Bourret, C.	10/7/57	U
PWAC-225	Powerplant Instrumentation Status Report	Bliss, P.	10/9/57	CRD
PWAC-226	Experimental Test Instrumentation Summary Report	Bliss, P.	10/10/57	U
PWAC-227	Second Report of CANEL Operations Radiator Development Effort Under Air Force Contract AF 33(038)-27341	Ahern, J.	11/27/57	U
PWAC-228	Nuclear Aircraft Liquid-metal Valve Development Program	Wills, D. McGrath, R.	10/21/57	CDI
PWAC-229	Aircraft Nuclear Powerplant Piping Development Program	Chambers, R. et al	10/25/57	CRD
PWAC-230	A History of Radiator Test Core Failures	Cohoon, J.	10/18/57	CDI
PWAC-231	UAC Research Department Technical Report on Test of an Annular Diffuser - Conical Heat-exchanger Combination	Katz, M.	10/15/57	CDI
PWAC-232	Tests of Pesco Liquid-metal Pump	MacDonald, T.	10/21/57	U
PWAC-233	Hydraulic Investigations of the SPM Series Model Reactor Coolant Pumps	Kulp, R.	3/28/58	CRD
PWAC-235	Liquid-metal Smoke Abatement	LeMar, H.	12/30/57	U
PWAC-237	Survey of Elevated Temperature Properties of Columbium	Stoloff, N.	1/21/58	CRD
PWAC-239	The P&W Sodium-Stainless Steel Fast Reactor	Dickson, J.	9/18/58	CRD
PWAC-240	Feasibility Report for Plutonium-beryllium Neutron Sources	Woodward, C.	1/3/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-241 (Rev. 1)	Feasibility Report to Supplement the Basic Quota for Fuel Element Development Program	Brown, A.	5/5/58	CRD
PWAC-241 (Supp. 1)	Feasibility Report on Assembly and Testing of Fuel Test Specimens in the Inpile Loop	Brown, A.	7/29/58	CRD
PWAC-241 (Amend. 1) (Rev. 1)	Feasibility Report to Supplement the Basic Quota for Fuel Element Development Program	Brown, A.	7/29/58	U
PWAC-242	NJ-12B Supersonic Bomber Powerplant Performance Characteristics Summary	Gray, W.	4/9/58	CRD
PWAC-243	NJ-14 All-Nuclear Supersonic Bomber Powerplant Characteristics Summary	Larson, J.	4/23/58	CRD
PWAC-245	Control System Analysis of NJ-12B Fast Reactor Powerplant	Cole, P. Beltracchi, L.	11/7/58	CRD
PWAC-246	Estimated Cost and Development Schedule for Nuclear Conversion of Turboprop Engine	n.a.	5/15/58	U
PWAC-247	Estimated Cost and Development Schedule for a Nuclear Turboprop Powerplant	n.a.	5/15/58	CRD
PWAC-249	Estimated Performance of J-57 Engine for Nuclear Aircraft	Gray, W.	5/28/58	CDI
PWAC-249 (Rev. 1)	Estimated Performance of J-57 Engine for Nuclear Aircraft	Gray, W.	10/31/58	CDI
PWAC-250	Feasibility Report on Critical Experiment Program for the PWAR-12	Trapp, D.	7/11/58	CRD
PWAC-250 (Supp. 1)	Feasibility Report PWAC-250	Trapp, D.	8/6/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-250 (Supp. 2)	Feasibility Report on Critical Experiment Program for the PWAR-12	Beardsley, G.	4/21/60	U
PWAC-251	Preliminary Design Criteria for a Nuclear Test Facility and Hot Shop	Hedden, D.	7/3/58	CRD
PWAC-252	Preliminary Installation and Performance of the NT-15 Powerplant	Dytko, E.	7/3/58	CRD
PWAC-253	Preliminary Description and Specifications PWAR-13 Naval Aircraft Reactor	Dytko, E.	7/1/58	CRD
PWAC-254	Feasibility Report for Fabrication of Ceramic Type Fuel Test Specimens for the Inpile Loop Test Program	Woodward, C.	7/9/58	CRD
PWAC-254 (Supp. 1)	Feasibility Report for Fabrication of Ceramic Type Fuel Test Specimens for the Inpile Loop Test Program	Beardsley, G.	11/5/58	CRD
PWAC-254 (Supp. 2)	Feasibility Report for Fabrication of Ceramic Type Fuel Test Specimens for the Inpile Loop Test Program	Beardsley, G.	2/16/59	CRD
PWAC-254 (Supp. 3)	Feasibility Report for Fabrication of Ceramic Type Fuel Test Specimens for the Inpile Loop Test Program	Beardsley, G.	3/23/59	CRD
PWAC-254 (Supp. 4)	Feasibility Report for Fabrication of Ceramic Type Fuel Test Specimens for the Inpile Loop Test Program	Beardsley, G.	5/12/59	CRD
PWAC-255	Feasibility Report on the Critical Experiment Program for the PWAR-11	Trapp, D.	7/14/58	CRD
PWAC-255 (Amend. 2)	Feasibility Report on the Critical Experiment Program for the PWAR-11	Beardsley, G.	1/11/60	CRD
PWAC-255 (Amend. 4)	Feasibility Report on the Critical Experiment Program for the PWAR-11	n.a.	6/11/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-255 (Supp. 1)	Feasibility Report - Fabrication and Test of Ceramic Type Fuel Test Specimens in the PWAR-11C Cold Critical Experiment	Beardsley, G.	1/15/60	CRD
PWAC-255 (Supp. 2)	Feasibility Report on the Critical Experiment Program for the PWAR-11	Beardsley, G.	7/29/60	U
PWAC-255 (Supp. 3)	Feasibility Report on the Critical Experiment Program for the PWAR-11	Beardsley, G.	7/20/61	U
PWAC-255 (Supp. 4)	Feasibility Report on the Critical Experiment Program for the PWAR-11	n.a.	8/31/61	CRD
PWAC-256	Hazards Summary Report on Critical Experiment Program Number 2 at CANEL	Richings, H.	8/18/58	CRD
PWAC-256 (Supp. 1)	Hazards Summary Report for Critical Experiment Program Number 2 and CANEL	Strough, R.	2/3/61	U
PWAC-257	Nuclear Ramjet Supersonic Bomber Powerplant Characteristics Summary	Larson, J.	9/2/58	CRD
PWAC-258	Hazards Summary Report on Critical Experiment Program Number 3 at CANEL	Fader, W.	11/5/58	CRD
PWAC-259	Advanced Nuclear Ramjet Supersonic Bomber Powerplant Characteristics Summary	Larson, J.	10/24/58	CRD
PWAC-260	Nuclear Powerplant for Navy Preprototype Airplane	Meyer, R.	10/1/58	CRD
PWAC-261	Design Report NT-15 Nuclear Powerplant Installation for Navy Preprototype Airplane	Meyer, R.	11/21/58	CRD
PWAC-262	Nuclear Pod-mounted Turbojet Powerplant Characteristics Summary	Bronke, V. Gaffin, W.	11/25/58	CRD
PWAC-263	Preliminary Installation and Performance of the NT-15 Powerplant	Dytko, E.	1/6/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-264	Preliminary Engineering Design Report for a Reactor Experiment	Bigelow, C.	3/30/59	CRD
PWAC-265	Princess Airplane Nuclear Propulsion Systems	Andrews, N.	1/30/59	CRD
PWAC-266	Study of Controllability of Direct Air Cycle Reactor Turboprop Powerplant	Cole, P. Beltracchi, L.	1/23/59	CRD
PWAC-267	Turbine Inlet Scroll Model Experiments for Ducting Air to a T-57 Turboprop Engine	Standley, P.	2/24/59	U
PWAC-268	Over-all Parameters of Inpile Fuel Element Test Specimens	Heyl, P.	2/9/59	U
PWAC-269	Design Report, NT-15 Nuclear Powerplant Installation for Navy Preprototype Airplane	Gray, H.	2/10/59	CRD
PWAC-270	Control System Analysis of the NT-15 Nuclear Turboprop Powerplant	Cole, P.	3/3/59	CRD
PWAC-271	Reactor Summary Report: Engineering Summary Report - Lithium-Columbium, Solid Fuel Element, Fast Reactor	Woods, T.	8/28/59	CRD
PWAC-272	Final Report on the Suitability of Specific Aircraft Nuclear Propulsion Systems for Application to Military Missions	Beardsley, G.	2/13/59	CRD
PWAC-273	Feasibility Report for Assembly and Test of Cermet Type Fuel Test Specimens for the Inpile Loop Test	n.a.	2/13/59	CRD
PWAC-274	P&WA Nuclear JT-11 Turbojet Powerplant Characteristics Summary	Larson, J.	4/13/59	CRD
PWAC-275	Advanced Nuclear Turbojet Powerplant Characteristics Summary for Supersonic Aircraft	Larson, J.	4/10/59	CRD
PWAC-275 (Supp. 1)	Advanced Nuclear Turbojet Powerplant Characteristics Summary for Supersonic Aircraft	Larson, J.	5/26/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-276	Applications of Advanced Liquid Metal-cooled Reactors	Gaffin, W.	4/30/59	CRD
PWAC-277	Hazards Summary Report for 10 Mw Reactor Experiment at CANEL	Bigelow, C.	7/27/59	CRD
PWAC-278	A Preliminary Investigation of the Effects of Irradiation on Columbium-0.6% Zirconium Alloy	Ward, E.	6/24/59	U
PWAC-279	Nuclear JT4D-2 Turbofan Power-plant Characteristics Summary	Shaw, R.	4/1/60	CRD
PWAC-280	Low Power Nuclear Rocket Power-plants for Interplanetary Missions	Muller, G.	9/17/59	CRD
PWAC-281	Hazards Summary Report on Critical Experiment Program Number 3 at CANEL	Fader, W.	11/2/59	CRD
PWAC-282	NT-16 Powerplant Performance Characteristics Summary	Gray, W.	10/31/59	CRD
PWAC-282 (Supp. 1)	NT-16 Powerplant Performance Characteristics Summary for Saunders-Roe Princess Airplane	Gray, W.	12/9/59	CDI
PWAC-283	Hazards Summary Report on Critical Experiment Program Number 2 at CANEL	Richings, H.	12/30/59	CRD
PWAC-283 (Supp. 1) (PWAC-256) (Supp. 1)	Hazards Summary Report for Critical Experiment Program Number 2 at CANEL	Strough, R.	2/3/61	U
PWAC-283 (Supp. 2)	Hazards Summary Report on Critical Experiment Program Number 2 at CANEL	Richings, H.	7/24/61	CRD
PWAC-283 (Supp. 3)	Hazards Summary Report on Critical Experiment Program Number 2 at CANEL	Paradis, E. Richings, H.	10/9/62	CRD
PWAC-283 (Supp. 4)	Hazards Summary Report on Critical Experiment Program Number 2 at CANEL	Kennedy, W.	7/16/63	CRD
PWAC-283 (Supp. 5)	Safety of Extended MCR Critical Experiment Program	Kennedy, W.	12/19/63	CRD
PWAC-283 (Supp. 6)	Safety of Extended MCR Critical Experiment Program	Fader, W.	4/29/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-284	Inpile Loop Nuclear Mock-up Calculations	Smolen, J.	1/6/60	U
PWAC-285	NT-17 Powerplant Performance Characteristics Summary	Gray, W.	2/1/60	CRD
PWAC-286	Results of Simulated Radiator Failure Experiments Conducted During the Period of September Through December, 1959	Kelly, R.	2/2/60	CDI
PWAC-287	Parametric Shaped Unit Shield Data for PWAR-11 Reactor	Gray, W.	2/18/60	CRD
PWAC-288	Feasibility Report-Fabrication of Cermet Type Fuel Test Specimens for Inpile Capsule Tests	n.a.	4/8/60	CRD
PWAC-291	Performance Study of Low-power Nuclear Electric Powerplants Utilizing Aircraft Nuclear Propulsion Program Technology	Klingensmith, K.	5/23/60	CRD
PWAC-292	Experimental Control for TP-1 Liquid Metal Turbopump	Naples, P. Gladczuk, S.	5/18/60	U
PWAC-293	Three Models of Experimental Temperature Sensors	Grimsey, C.	5/19/60	U
PWAC-294	Preliminary Hazards Report for a Reactor Experiment at NRTS	Bigelow, C.	7/29/60	CRD
PWAC-296	Experimental and Analytical Investigations of the PW 102 Pilot Radiator Flow Characteristics	Rice, A.	7/15/60	CDI
PWAC-297	Pump Tests Conducted for the Development of the P&WA Liquid Metal Turbopump TP-1	Marman, H.	1/3/61	U
PWAC-298	Development of Pump Components for the P&WA Liquid Metal Turbopump TP-1	Murphy, J.	10/27/60	U
PWAC-299	Performance Tests of the Air Turbine for the P&WA Liquid Metal Turbopump	Murphy, J.	7/1/60	U
PWAC-300	Development of Air Turbine Drive Components for the P&WA Liquid Metal Turbopump, TP-1	Murphy, S.	8/19/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-301	Brittle Fracture: Ductile-brittle Transitions, an Annotated Bibliography	Cernak, E.	10/24/60	U
PWAC-302	PW-102 Pilot Radiator Design Report	Centofanti, A.	2/9/61	CDI
PWAC-303	Low Temperature Performance Tests of Two Radiator Cores	Flynn, J.	7/19/60	CDI
PWAC-304	Liquid Metal Testing of Four Radiator Cores	n.a.	9/1/60	CDI
PWAC-305	Flow Analysis of NT-15 Radiator Entrance and Exit Air Ducts	Turner, G. Luvisi, F.	11/28/60	CDI
PWAC-306	PW 102 Pilot Radiator Header-manifold Stress Analysis and Test	Daddario, A.	7/22/60	CDI
PWAC-307	NJ-18 Powerplant Performance Characteristics Summary	Larson, J.	9/22/60	CRD
PWAC-308	Application of a Fast Reactor Concept to Rocket Propulsion	n.a.	9/14/60	CRD
PWAC-309	Hazards Summary Report on Critical Experiment Program Number 4 at CANEL	Fader, W.	1/4/61	CRD
PWAC-310	Preliminary Report on PW-101 and GR-101 Pilot Radiators	Wesbecher, J. Daddario, A.	9/9/60	CRD
PWAC-310 (Supp. 1)	Final Report on PW-101 and GR-101 Pilot Radiators	Allen, J.	4/11/61	CRD
PWAC-311	NJ-19 Powerplant Performance Characteristics Summary	Larson, J.	12/2/60	CRD
PWAC-312	Feasibility Report for the Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Woodward, C.	11/2/60	CRD
PWAC-312 (Supp. 1)	Feasibility Report for the Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Woodward, C.	5/19/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-312 (Supp. 2)	Feasibility Report for the Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Beardsley, G.	8/1/61	CRD
PWAC-312 (Supp. 3)	Feasibility Report for the Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Brown, A.	3/7/62	CRD
PWAC-312 (Supp. 4)	Feasibility Report - Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Brown, A.	7/13/62	CRD
PWAC-312 (Supp. 5)	Feasibility Report Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Brown, A.	12/3/62	U
PWAC-312 (Supp. 6)	Fabrication of Sintered Carbide Fuel Test Specimens for Inpile Capsule Tests	Kennedy, W.	7/6/63	CRD
PWAC-312 (Supp. 7)	Feasibility Report ...	Kennedy, W.	11/12/63	CRD
PWAC-312 (Supp. 8)	Feasibility Report - Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Bransfield, J.	1/16/64	U
PWAC-312 (Supp. 9)	Feasibility Report - Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	2/12/64	U
PWAC-312 (Supp. 10)	Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	2/13/64	U
PWAC-312 (Supp. 11)	Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	2/13/64	U
PWAC-312 (Supp. 12)	Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	10/13/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-312 (Supp. 13)	Feasibility Report - Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	11/3/64	U
PWAC-312 (Supp. 14)	Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	1/25/65	U
PWAC-312 (Supp. 15)	Fabrication of Sintered Carbide Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	1/28/65	U
PWAC-313	CCA-3 Critical Experiment Program Report	Fader, W.	11/9/61	CRD
PWAC-314	Preliminary Hazards Report for a Reactor Experiment at CANEL	Bigelow, C.	1/23/61	CRD
PWAC-315	NJ-X Propulsion System Ground Test	Andrews, N.	1/26/61	CRD
PWAC-316	Preliminary Investigation of Accident Mechanisms of the Indirect Cycle Aircraft Nuclear Propulsion System	Walton, J.	12/20/60	CRD
PWAC-318	Development Tests of the TP-1 Liquid Metal Turbopump and Components	Marman, H. et al	12/15/61	U
PWAC-319	Radiator Heat Compensator Mode Evaluation	Kunkle, C.	2/7/61	CDI
PWAC-320	Development of Protective Coatings for Columbium Alloys	Hirakis, E.	3/10/61	CRD
PWAC-320 (Supp. 1)	Development of Protective Coatings for Columbium Alloys	Hirakis, E.	10/30/61	CRD
PWAC-321	Development of Oxidation Resistant Columbium Base Alloys	Delgrosso, E.	2/24/61	CRD
PWAC-321 (Supp. 1)	Development of Oxidation Resistant Columbium Base Alloys	Gambino, R.	11/16/61	CRD
PWAC-322	NJ-18C Powerplant Performance Characteristics Summary	Larson, J.	1/27/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-322 (Supp. 1)	NJ-18C Powerplant Performance Characteristics Summary	Whittaker, R.	2/22/61	CDI
PWAC-323	NJ-18D Powerplant Performance Characteristics Summary	Daum, R.	3/2/61	CRD
PWAC-324	Preliminary Hazards Report for a Reactor Experiment at NRTS	Bigelow, C.	4/5/61	CRD
PWAC-325	Feasibility Report for the Fabrication of Ceramic Type Fuel Test Specimens for Cold Critical Experiments	Beardsley, G.	1/3/61	CRD
PWAC-325 (Supp. 1)	Feasibility Report for Cold Critical Experiments	Beardsley, G.	2/21/64	CRD
PWAC-326	Uranium Monocarbide Vacuum Sintering Studies - the Effects of Oxygen on the Sintered Structure of Uranium Carbide	Johnson, B.	10/31/61	CRD
PWAC-328	The Oxidation Characteristics of Columbium-1 Zirconium Alloy	Delgrosso, E.	10/30/61	CRD
PWAC-329	JTN-11 Engine Radiator Development Program	Allen, J.	11/20/61	CRD
PWAC-330	Performance Evaluation of Small Radiator Test Cores	Flynn, J.	9/14/61	CRD
PWAC-331	Haynes Alloy Number 25 Radiator Test Cores and Very High Temperature Test of Columbium and Haynes Alloy Bimetallic Heat Transport System with NaK	Flynn, J.	12/19/61	CRD
PWAC-332	Development of Fabricable, High Strength Modifications of a Basic Columbium-5 Molybdenum Alloy	Delgrosso, E.	11/17/61	CRD
PWAC-333	Final Design and Development Report of the PWAR-11C Reactor Experiment	Bauer, H. Bronke, V.	11/13/61	CRD
PWAC-334	Termination Status Report for the Advanced Reactor Engineering Studies	Klingensmith	6/22/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-336	TP-2 Liquid Metal Turbopump Design Summary Report	Marman, H.	10/23/61	CDI
PWAC-337	The Design Fabrication and Test of a 1500F NaK-NaK Heat Exchanger	Randall, D. Dloss, F.	10/30/61	CRD
PWAC-338	NJ-18 Nuclear Turbojet Power-plant Instruments, Accessories and Controls	Cole, P.	6/28/61	CRD
PWAC-339	Development of High Temperature Sensors	Holmes, R.	8/28/61	U
PWAC-340	Methods for the Analysis of Columbium and its Alloys	Hobart, E.	7/21/61	U
PWAC-341	CANEL Inpile Forced Convection Loop Program Summation Report	Fine, A.	7/10/61	CRD
PWAC-342	NaK Corrosion Investigation of Selected Bimetallic Systems	Austin, G.	9/15/61	CRD
PWAC-343	Lithium Corrosion Investigation of Columbium-Zirconium Alloy Systems	Austin, G.	10/31/61	CRD
PWAC-344	Ground Support Summary Report NJ-18 Powerplant	Turner, G.	6/29/61	CRD
PWAC-345	Termination Report Work Class 100, 110 Over-all Propulsion System	Gaffin, W.	7/5/61	CRD
PWAC-346	Development of Materials for Radiator Fin Service at 1600F to 2000F in Air	Spinelli, F.	7/5/61	CRD
PWAC-347	Liquid Metal Fire Control	McGrath, T. Vanbrunt, E.	7/21/61	U
PWAC-348	Research and Development on a 10 Mw Reactor Experiment During April 1961	Dytko, E.	6/29/61	CRD
PWAC-349	The Electrical Resistivity of Lithium and Sodium Potassium Alloy	Kapelner, S.	7/21/61	U
PWAC-350	Melting and Fabrication of Columbium and Columbium Base Alloys	Aconsky, S. Doyle, J. Leeper, H.	11/29/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-351	High Temperature Strength Properties of Commercial and Vacuum Melted Haynes Alloy Number 25	Lieberman, W.	10/2/61	U
PWAC-352	The Purification and Gas Chromatographic Analysis of Helium	Malgiolio, J.	8/28/61	U
PWAC-353	Developments in Ultrasonic, Electron Beam and Resistance Welding of Cb-1 Zr Alloy	Tierney, J. Spinelli, F	11/6/61	CRD
PWAC-354	Fundamental Study of Creep-rupture Under Combined Stress	Rowe, G. Stewart, J.	10/13/61	U
PWAC-355	Corrosion of Columbium Base and Other Structural Alloys in High Temperature Lithium	Freed, M.	11/9/61	U
PWAC-356	Solubility of Structural Metals in Lithium	Leavenworth, H.	10/31/61	U
PWAC-358	Internal Friction Study of Oxygen and Nitrogen Interactions with Columbium-Zirconium Alloy	Cummings, D.	11/6/61	U
PWAC-359	Solid State Metallurgy Studies of Pure Columbium and Cb-1 Zr Alloy	Gregory, D. Rowe, G.	11/1/61	U
PWAC-360	Computer Program (SO-2) for Optimizing a Unit Shield	Enos, G.	10/13/61	CRD
PWAC-361	ANP Shielding Work at P&WA - A Summary	Smolen, J.	9/29/61	CRD
PWAC-363	History of the Aircraft Nuclear Propulsion Program at P&WA - June 13, 1947 to April 3, 1961	Gaffin, W.	1/18/62	CRD
PWAC-365	Heat Treatment Response of Two Columbium Base Alloys	Delgrosso, E.	4/3/62	CRD
PWAC-366	Feasibility Report for the Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	n.a.	2/7/62	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-366 (Supp. 1)	Feasibility Report Under Contract AT(30-1)-2789	Kennedy, W.	1/16/64	CRD
PWAC-366 (Supp. 2)	Feasibility Report - Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Bransfield, J.	1/16/64	U
PWAC-366 (Supp. 3)	Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	2/13/64	U
PWAC-366 (Supp. 4)	Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	2/13/64	U
PWAC-366 (Supp. 5)	Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	10/13/64	U
PWAC-366 (Supp. 6)	Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	11/3/64	U
PWAC-366 (Supp. 7)	Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	1/25/65	U
PWAC-366 (Supp. 8)	Feasibility Report...	Fader, W.	1/28/65	CRD
PWAC-366 (Supp. 9)	Fabrication of Sintered Nitride Irradiation Test Specimens for Inpile Capsule Tests	Fader, W.	1/28/65	U
PWAC-366 (Supp. 10)	Suitability of Available Uranium for Conversion to Enriched Uranium Nitride	Fader, W.	4/23/65	U
PWAC-367	Methods for the Chemical Analysis of Uranium Monocarbide	Emrick, E.	3/20/62	U
PWAC-368	The Design, Fabrication, and Test of a 1500F NaK-NaK Heat Exchanger, HE-14S	n.a.	4/3/63	CRD
PWAC-369	Controlled Atmosphere Sintering of Uranium Mononitride	Craig, R.	8/30/62	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-370	Preliminary Safety Analysis Report for the Lithium Cooled Reactor Experiment (LCRE)	Dytko, E.	7/21/62	CRD
PWAC-370 (Supp. 1)	Preliminary Safety Analysis Report for the Lithium Cooled Reactor Experiment (LCRE)	Bigelow, C.	7/20/62	U
PWAC-371	Design and Testing of Columbium-1 Zirconium Reactor Pressure Vessels	Bigelow, C.	10/23/62	CRD
PWAC-372	Development Program for the Lithium Cooled Reactor Experiment (LCRE)	n.a.	11/7/62	CRD
PWAC-375	Mechanisms of Work Hardening in Body Centered Cubic Metals	Gregory, D.	7/13/62	U
PWAC-376	The Electrical Resistivity of Sodium, Potassium, Rubidium and Cesium in the Liquid State	Kapelner, S.	9/19/62	U
PWAC-378	The Thermal Decomposition of Uranium Monocarbide	Vozzella, P.	2/22/63	U
PWAC-380	The Solubility of Helium in Lithium and Potassium	Kapelner, S.	2/25/65	U
PWAC-381	Lithium Corrosion Investigation of a High Power Columbium Alloy System	n.a.	2/22/63	CRD
PWAC-382	Feasibility Report for the SNAP-50 Critical Experiment Program	Paradis, E.	1/22/63	CRD
PWAC-382 (Amend. 1)	Feasibility Report for the SNAP-50 Critical Experiment Program	Paradis, E.	6/11/64	U
PWAC-383	Design Summary Report of LCRE Primary Coolant Pumps and Sump	Ferguson, C.	11/21/63	U
PWAC-384	Design Summary Report of LCRE Reflector Coolant Pumps and Sump	Ferguson, C.	1/8/64	U
PWAC-385	Design Summary Report LCRE Secondary Coolant Pump and Sump	Ferguson, C.	1/28/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-386	Final Report on Development of LCRE Liquid Metal Pumps and Sumps	Ferguson, C.	9/22/65	U
PWAC-387	SNAP-50 Arrangement Studies	Rencenberger, R. Murphy, J.	4/24/63	CRD
PWAC-389	Feasibility Report - Fabrication of Ceramic Type Fuel Test Specimens for Inpile Capsule Tests	n.a.	2/19/63	CRD
PWAC-391	SNAP-50 System Optimization Studies	n.a.	3/20/63	CRD
PWAC-392	Feasibility Report for the Fabrication of Fuel Elements for the LCRE Core	n.a.	7/11/63	CRD
PWAC-393	The Determination of Uranium Isotope Abundances and Reactor Fuel Burnup by Mass Spectrometry	Fornwalt, D.	5/24/63	U
PWAC-397	Geometrical Attenuation Factors for Gamma Radiation from Cylindrical and Spherical Surface Sources	Campe, K.	10/1/63	U
PWAC-398 (Vol. 1) (pt. 1)	LCRE Engineering Report - Design	Rice, A.	4/28/64	CRD
PWAC-398 (pt. 2)	LCRE Engineering Development Report	Doak, R.	3/2/64	CRD
PWAC-398 (Vol. 2) (pt. 1)	LCRE Engineering Report - Design	n.a.	4/13/64	CRD
PWAC-400	Final Report on the Design and Development of Lithium and NaK Vapor Traps	n.a.	3/5/64	CRD
PWAC-401	Interim Report - LCRE Valve Development	Centofanti, A.	7/29/63	CRD
PWAC-401 (pt. 2)	LCRE Valve Development Final Report	Smith, D.	5/5/64	U
PWAC-402 (pt. 1)	LCRE Non-Nuclear Systems Test, Interim Report	Overman, A.	3/5/64	CRD
PWAC-402 (pt. 2)	LCRE Non-Nuclear Systems Test, Interim Report	Overman, A.	6/4/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-402 (pt. 3)	Non-Nuclear Systems Test Post-test Interim Report	Overman, A.	2/12/65	CRD
PWAC-402 (pt. 4)	LCRE Non-Nuclear Systems Test, Final Report - Part 4	Overman, A.	9/28/65	CRD
PWAC-403	Final Report on LCRE Control Drum Drive Development	Zigmond, E.	2/13/64	CRD
PWAC-404	LCRE Critical Experiment	Paradis, E.	3/31/64	CRD
PWAC-405	Nuclear Turboprop Powerplant Preliminary Performance and Installation Data	Gaffin, W. Perry, P.	6/27/63	CRD
PWAC-406	Study of Adapting the SNAP-50 Space Powerplant to a Lunar Base	Perry, P.	8/21/63	CRD
PWAC-407	LCRE Control Rooms and Console Report	n.a.	12/27/64	CRD
PWAC-408	Reactor Operations Final Report- Lithium-cooled Reactor Experiment	n.a.	1/30/64	CRD
PWAC-411	Feasibility Report for the MCR Critical Experiment Program	Callen, R. Crume, E. et al	8/7/63	CRD
PWAC-412	Harmonic Drive Development	Zigmond, E.	3/25/64	U
PWAC-416	LCRE Auxiliary Systems Term- ination Report	Banach, H.	3/25/64	U
PWAC-417	LCRE Termination Report for Fuel Loading Operation and Reactor Assembly (FLORA)	Bronke, V.	3/2/64	CRD
PWAC-418	Reactor Control System for the Lithium-cooled Reactor Experi- ment (LCRE)	Blatchley, M.	2/13/64	CRD
PWAC-419	Safety System Lithium-cooled Reactor Experiment	n.a.	1/8/64	CRD
PWAC-421	LCRE Fabrication Status Report	Doak, R.	3/2/64	CRD
PWAC-422	Thermocouple Development Lithium-Fanciullo, S. cooled Reactor Experiment		3/5/64	U
PWAC-423	Development of Liquid Metal Level Probes	Fanciullo, S.	4/27/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-424	LCRE Neutron Sensor Development Program	Harrison, R.	3/23/64	U
PWAC-425	Aircraft Nuclear Propulsion Powerplant Parametric Data	Perry, P.	11/8/63	CRD
PWAC-426	The Enthalpy and Heat Capacity of Uranium Monocarbide to 1200C	Harrington, L.	1/9/64	U
PWAC-427	Design and Development of LCRE Fission-Counter Preamplifier	Atkinson, G.	4/2/64	U
PWAC-428	Evaluation and Performance of Once-through, Zero-gravity Boiler Tubes with Two-phase Water	Bernstein, E.	7/2/64	U
PWAC-429	Experimental Results of Forced Convection Boiling Potassium Heat Transfer and Pressure Drop Tests	Bernstein, E.	7/16/64	U
PWAC-430	Forced Convection Boiling Potassium Experiments	Bersin, G.	12/23/64	U
PWAC-431	Status of the SNAP-50 Reactor Fuels Parametric Studies - Part I	Banach, H.	3/4/64	CRD
PWAC-432	Feasibility Report Under Contract AT(30-1)-2789	Bransfield, J.	2/7/64	CRD
PWAC-433	The Integral Be ⁹ (n, 2n) Cross Section	Felber, F.	5/19/64	U
PWAC-434	Test of the LCRE Control and Safety System Mockup	Naples, P.	7/17/64	CRD
PWAC-435	Feasibility Report for Use of Plutonium-beryllium Neutron Sources at the CANEL Nuclear Physics Laboratory	Kearney, R.	8/5/64	U
PWAC-436	Development of UO ₂ -BeO Fuels	Freed, M.	7/23/65	CRD
PWAC-441	Utilization of Yttrium in Gettering Oxygen and Nitrogen in Columbium Base Materials	Carlson, C.	7/28/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-442	Status of the SNAP-50/SPUR Reactor Fuels Parametric Studies Part II - 2-MW, 8-MW, 10,000-hour and 20,000-hour Reactor Designs	Banach, H.	9/14/64	CRD
PWAC-443	Synthesis of Enriched Uranium Nitride Powder for Oak Ridge National Laboratory - Feasibility Report	Fader, W.	6/2/64	U
PWAC-445	Preliminary Design of the 2 Mwt Reactor and Shield (PWAR-20) for the SNAP-50/SPUR Powerplant	Banach, H.	12/30/64	CRD
PWAC-446	TDP- A Two-dimensional Perturbation Calculation Code Based on TDC for IBM-7090, Deck B-516	Fader, W.	11/23/64	U
PWAC-447	Unmanned Electric Propulsion Mission Capabilities of the SNAP-50/SPUR Powerplant	d'Arcy, R.	10/23/64	U
PWAC-450	Feasibility Report - Blending of UO_2 Powders for Shipment to NUMEC	Fader, W.	9/23/64	U
PWAC-450 (Rev. 1)	Blending of UO_2 Powders for Shipment to NUMEC-Reference Purchase Order AEC-83975	Fader, W.	10/21/64	U
PWAC-450 (Supp. 1)	Feasibility Report...	Fader, W.	1/25/65	CRD
PWAC-450 (Supp. 2)	Consolidation of UO_2 -W Cermet Powders at Battelle Memorial Institute	Fader, W.	3/8/65	U
PWAC-451	Parametric Studies of Radiatively Cooled Reactors for Space Application 2-40 MWT	Zeisser, M.	9/14/65	CRD
PWAC-452	The TDC Code	Fader, W.	8/16/65	U
PWAC-453	Determination of Relative Power Distributions in CANEL Critical Assemblies Using Catcher Foil Techniques	Welsh, W.	2/24/65	U
PWAC-454	Drift and Endurance Testing of Chromel/alumel, W-5 Re/W-26 Re, and Mo/W-26 Re Thermocouples at 1950F to 2000F for 10,000 Hours	Fanciullo, S.	2/23/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-455	Feasibility Report...	Fader, W.	1/25/65	CRD
PWAC-456	An Evaluation of Direct and Indirect Condensing Radiators for a 300-Kwe SNAP-50/SPUR Powerplant	Allen, J.	2/22/65	CRD
PWAC-457	SNAP-50/SPUR Powerplants for the Manned Orbiting Space Station Application	n.a.	3/26/65	CRD
PWAC-459	LCRE Reactor Pressure Vessel Report	Vitali, V.	5/25/65	CRD
PWAC-460	The Low Pressure Oxidation of Pure Columbium	Delgrosso, E.	9/27/65	U
PWAC-461	Phase Diagram of the Cb-Zr-C System at 1538C and 1092C	Cornie, J.	9/28/65	U
PWAC-462	High Temperature Thermometry at P&WA-CANEL	Bliss, P. Fanciullo, S.	6/2/65	U
PWAC-463	Feasibility Report...	Fader, W.	5/18/65	CRD
PWAC-464	Development of Cb-Zr-C Alloys	Delgrosso, E. Carlson, C.	9/7/65	U
PWAC-465	Recovery and Recrystallization of Cb and Several Cb-Li Alloys	Delgrosso, E. Carlson, C.	9/22/65	U
PWAC-466	Post-irradiation Examination Report of MCR Fuel Capsule	Carlson, C.	6/29/65	CRD
PWAC-467	Summary of Design and Analysis of the SNAP-50/SPUR Reactor Coolant Pump	Heyl, P.	8/10/65	CRD
PWAC-468	Summary Report of Potential Liquid Metal Bearing Materials for SNAP-50/SPUR Pumps	Wallace, M.	10/28/65	U
PWAC-469	Reference Motor Design SNAP-50/SPUR Pump Motor Development Program (Prepared for P&WA-CANEL by Westinghouse)	Allen, T. Madson, R. Neff, W. Yates, W.	9/3/65	CRD
PWAC-471	Reactor and Shield Design Status - SNAP-50	Zeisser, M.	9/15/65	CRD
PWAC-472	High Temperature Titanium Alloy Development	Delgrosso, E.	10/11/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-473	Status of Instrument Development for the SNAP-50 Reactor Test Program	Bliss, P.	9/13/65	U
PWAC-474	Determination of Absolute Power in SNAP-50 Critical Assemblies by Ba ¹⁴⁰ Fission Product Measurement	Welsh, W.	8/24/65	U
PWAC-475	Operating Limits and Safety Analysis for Split-Table, Dry, Flexible Critical Experiments at the CANEL Nuclear Physics Laboratory	Paradis, E.	8/16/65	U
PWAC-476	Fission Gas Migration Studies in UC	DeCrescente, M. Selleck, E.	9/28/65	U
PWAC-477	Self-Diffusion of Nitrogen in Uranium Mononitride	Sturiale, T.	9/8/65	U
PWAC-478	Thermodynamic Properties of UC	DeCrescente, M.	9/28/65	U
PWAC-479	Thermodynamic Properties of UN	DeCrescente, M.	10/1/65	U
PWAC-480	Thermal Conductivity and Electrical Resistivity of UC	DeCrescente, M. Hayes, B.	9/28/65	U
PWAC-481	Thermal Conductivity and Electrical Resistivity of UN	DeCrescente, M. Hayes, B.	10/1/65	U
PWAC-482 (Part I)	The Compressive Creep of UC and UN	DeCrescente, M.	10/1/65	U
PWAC-482 (Part II)	The Compressive Creep of UC and UN	DeCrescente, M.	10/1/65	CRD
PWAC-483	Space Radiator Fabrication Development Status Report	Stewart, J.	9/22/65	U
PWAC-484	Reactor and Shield Component Development Status - SNAP-50	DeCrescente, M.	9/28/65	CRD
PWAC-487	Critical Experiment SNAP-50	Fader, W.	8/1/65	CRD
PWAC-488	Uranium Nitride Fuel Development - SNAP-50	DeCrescente, M.	10/1/65	CRD
PWAC-491	Coolants and Working Technology-SNAP-50	Cleary, R. Kapelner, S. Schenck, G.	8/30/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-492	Control Drive Mechanism Development	Flynn, J.	8/29/65	U
PWAC-493	Final Report - Irradiation and Thermal Testing of LCRE Control Drive Electrical Components	Otfinoski, W.	8/27/65	U
PWAC-496	Preliminary Design Study of a 10 Mew Nuclear Space Powerplant for Electric Propulsion	Chalfant, A.	9/1/65	CRD
PWAC-497	SNAP-50 Powerplant System, Control Analysis	Beltracchi, L.	8/23/65	CRD
PWAC-498	Fabrication of Low Density Uranium Nitride for High Fission Gas Release	Caplow, S.	9/1/65	CRD
PWAC-499	Refractory Metal Protective Coatings for Long Term Applications	Friedrich, L.	10/1/65	U
PWAC-500	Bibliography of CANEL Reports	n.a.	11/1/65	U
PWAC-501	The Compatibility of Structural and Turbo-Machinery Alloys in Boiling Potassium	Bleckerman, S. Hodel, J.	9/13/65	U
PWAC-541	Engineering Progress Report Number 11	n.a.	3/31/54	CRD
PWAC-541S	Summary Engineering Progress Report Number 11	n.a.	3/31/54	U
PWAC-542	Engineering Progress Report Number 12	n.a.	6/30/54	U
PWAC-542S	Summary Engineering Progress Report Number 12	n.a.	6/30/54	U
PWAC-543	Engineering Progress Report Number 13	n.a.	9/30/54	U
PWAC-543S	Summary Engineering Progress Report Number 13	n.a.	9/30/54	U
PWAC-544	Engineering Progress Report Number 14	n.a.	12/31/54	U
PWAC-544S	Summary Engineering Progress Report Number 14	n.a.	12/31/54	U
PWAC-551	Engineering Progress Report Number 15	n.a.	3/31/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-552	Engineering Progress Report Number 16	n.a.	6/30/55	CRD
PWAC-553	Engineering Progress Report Number 17	n.a.	9/30/55	U
PWAC-554	Engineering Progress Report Number 18	n.a.	12/31/55	CRD
PWAC-561	Engineering Progress Report Number 19	n.a.	3/31/56	U
PWAC-562	Engineering Progress Report Number 20	n.a.	6/30/56	CRD
PWAC-563	Engineering Progress Report Number 21	n.a.	9/30/56	CRD
PWAC-564	Nuclear Propulsion Program Engineering Progress Report Number 22	n.a.	12/31/56	CRD
PWAC-571	Nuclear Propulsion Program Engineering Progress Report Number 23 - January 1, 1957 - March 31, 1957	n.a.	4/20/57	CRD
PWAC-572	Nuclear Propulsion Program Engineering Progress Report Number 24 - April 1, 1957 - June 30, 1957	n.a.	7/29/57	CRD
PWAC-573	Nuclear Propulsion Program Engineering Progress Report Number 25 - July 1, 1957 - October 15, 1957	n.a.	9/30/57	CRD
PWAC-574	Nuclear Propulsion Program Engineering Progress Report - October 1, 1957 - December 31, 1957	n.a.	2/7/58	CRD
PWAC-581	Nuclear Propulsion Program Engineering Progress Report - January 1, 1958 - March 31, 1958	n.a.	4/30/58	CRD
PWAC-582	Nuclear Propulsion Program Engineering Progress Report - April 1, 1958 - June 30, 1958	n.a.	7/31/58	CRD
PWAC-583	Nuclear Propulsion Program Engineering Progress Report - July 1, 1958 - September 30, 1958	n.a.	11/13/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-584	Nuclear Propulsion Program Engineering Progress Report - October 1, 1958 - December 31, 1958	n.a.	2/10/59	CRD
PWAC-591	Nuclear Propulsion Program Engineering Progress Report - January 1, 1959 - March 31, 1959	n.a.	5/21/59	CRD
PWAC-592	Nuclear Propulsion Program Engineering Progress Report - April 1, 1959 - June 30, 1959	n.a.	7/31/59	CRD
PWAC-593	Nuclear Propulsion Program Engineering Progress Report - July 1, 1959 - September 30, 1959	n.a.	10/30/59	CRD
PWAC-594	Nuclear Propulsion Program Engineering Progress Report - October 1, 1959 - December 31, 1959	n.a.	2/5/60	CRD
PWAC-601	Nuclear Propulsion Program Engineering Progress Report - January 1, 1960 - March 31, 1960	n.a.	4/29/60	CRD
PWAC-602	Nuclear Propulsion Program Engineering Progress Report - April 1, 1960 - June 30, 1960	n.a.	8/5/60	CRD
PWAC-603	Nuclear Propulsion Program Engineering Progress Report - July 1, 1960 - September 30, 1960	n.a.	10/31/60	CRD
PWAC-604	Nuclear Propulsion Program Engineering Progress Report - October 1, 1960 - December 31, 1960	n.a.	2/3/61	CRD
PWAC-611	Nuclear Propulsion Program Engineering Progress Report - January 1, 1961 - March 31, 1961	n.a.	5/23/61	CRD
PWAC-612 (Vol. 1)	Reactor Program - Engineering Progress Report for Period May 1, 1961 - June 30, 1961	n.a.	10/31/61	CRD
PWAC-612 (Vol. 2)	Advanced Materials Research Program - Engineering Progress Report for Period May 1, 1961 - June 30, 1961	n.a.	7/27/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-613 (Vol. 1)	Reactor Program Engineering Progress Report - July 1, 1961 - September 30, 1961	n.a.	10/31/61	CRD
PWAC-613 (Vol. 2)	Advanced Materials Research Program - Engineering Progress Report - July 1, 1961 - September 30, 1961	n.a.	10/31/61	CRD
PWAC-614 (Vol. 1)	Reactor Program Engineering Progress Report - October 1, 1961 - December 31, 1961	n.a.	1/30/62	CRD
PWAC-614 (Vol. 2)	Advanced High Temperature Materials Program Progress Report - October 1, 1961 - December 31, 1961	n.a.	1/29/62	CRD
PWAC-621	Reactor Program Engineering Progress Report - January 1, 1962 - March 31, 1962	n.a.	4/30/62	CRD
PWAC-622	LCRE and SNAP-50-DR-1 Programs Engineering Progress Report - April 1, 1962 - June 30, 1962	n.a.	8/24/62	CRD
PWAC-623	LCRE and SNAP-50-DR-1 Programs Engineering Progress Report - July 1, 1962 - September 30, 1962	n.a.	11/26/62	CRD
PWAC-624	LCRE and SNAP-50-DR-1 Programs Engineering Progress Report - October 1, 1962 - December 31, 1962	n.a.	3/20/63	CRD
PWAC-631	LCRE and SNAP-50-DR-1 Programs Engineering Progress Report - January 1, 1963 - March 31, 1963	n.a.	6/12/63	CRD
PWAC-632	LCRE and SNAP-50-DR-1 Programs Engineering Progress Report - April 1, 1963 - June 30, 1963	n.a.	9/17/63	CRD
PWAC-633	LCRE and SNAP-50-DR-1 Programs Engineering Progress Report - July 1, 1963 - September 30, 1963	n.a.	12/6/63	CRD
PWAC-634	SNAP-50/SPUR Program Engineer- ing Progress Report - October 1, 1963 to December 31, 1963	n.a.	3/2/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-641	SNAP-50/SPUR Program Engineer- ing Progress Report - January 1, 1964 to March 31, 1964	n.a.	5/15/64	CRD
PWAC-642	SNAP-50/SPUR Program Engineer- ing Progress Report - April 1, 1964 to June 30, 1964	n.a.	7/29/64	CRD
PWAC-643	SNAP-50/SPUR Program Engineer- ing Progress Report - July 1, 1964 to September 30, 1964	n.a.	11/4/64	CRD
PWAC-644	SNAP-50/SPUR Program Engineer- ing Progress Report - October 1, 1964 to December 31, 1964	n.a.	2/5/65	CRD
PWAC-651	SNAP-50/SPUR Program Engineer- ing Progress Report - January 1, 1965 to March 31, 1965	n.a.	5/17/65	CRD
PWAC-652	SNAP-50/SPUR Program Engineering Progress Report	n.a.	8/31/65	CRD
PWAC-1001	Advanced Materials Program for February and March, 1962	n.a.	4/30/62	CRD
PWAC-1002	Advanced Materials Program for April and May, 1962	n.a.	6/28/62	CRD
PWAC-1003	Advanced Materials Program for June, 1962	n.a.	9/11/62	CRD
PWAC-1004	Advanced Materials Program for July and August, 1962	n.a.	10/30/62	CRD
PWAC-1005	Advanced Materials Program for September and October, 1963	n.a.	1/7/63	CRD
PWAC-1006	Advanced Materials Program for November and December, 1962	n.a.	1/31/63	CRD
PWAC-1007	Advanced Materials Program	n.a.	4/30/63	CRD
PWAC-1008	Advanced Materials Program for March and April, 1963	n.a.	7/20/63	CRD
PWAC-1009	Advanced Materials Program for May and June, 1963	n.a.	8/6/63	CRD
PWAC-1010	Advanced Materials Program for July and August, 1963	n.a.	11/6/63	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
PWAC-1011	Advanced Materials Program for September and October 1963	n.a.	12/31/63	CRD
PWAC-1012	Advanced Materials Program for November and December, 1963	n.a.	2/21/64	CRD
PWAC-1013	Advanced Materials Program for January and February, 1964	n.a.	4/28/64	CRD
PWAC-1014	Advanced Materials Program for March and April, 1964	n.a.	7/1/64	CRD
PWAC-1015	Advanced Materials Program for May and June, 1964	n.a.	8/17/64	CRD
PWAC-1016	Advanced Materials Program for July and August, 1964	n.a.	11/16/64	CRD
PWAC-1017	Advanced Materials Program for September and October, 1964	n.a.	12/16/64	CRD
PWAC-1018	Advanced Materials Program for November and December, 1964	n.a.	1/29/65	CRD
PWAC-1019	Advanced Materials Program for January and February, 1965	n.a.	4/12/65	CRD
PWAC-1020	Advanced Materials Program for March and April, 1965	n.a.	5/31/65	CRD
PWAC-1021	Advanced Materials Program for May & June, 1965	n.a.	9/1/65	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-1	Delayed Neutrons Precursor Concentrations as a Function of Time and Position in a CFR	Dee, J.	8/27/53	U
TIM-2	Use of the Nuclear Emulsion as a Recording Device	Frazier, G.	1/7/54	U
TIM-3	Beryllium Thermal Shock Test	Peak, R.	1/28/54	U
TIM-4	The Effects of Fuel Temperature and Power Density on the Match-Point Performance of the CFR Liquid-Metal Turbojet	Bunker, C.	2/18/54	U
TIM-5	Design Procedure for Sodium to NaK Heat Exchanger	Hopkins, H.	2/25/54	U
TIM-6	Sodium-Be Mass Transfer and Errosion Loop	Randall, D.	3/12/54	CRD
TIM-7	Analog Computer Investigation of a Circulating Fuel Reactor, Coupled to a Liner Turbojet Engine and Incorporating Variable Fuel, Coolant and Air Flow	Gole, P.	3/18/54	U
TIM-8	Analog Computer Investigation of a Solid Fuel Element Sodium-Cooled Reactor, with Intermediate Heat Exchanger, Coupled to a Linear Turbojet Engine and Incorporating Variable Coolant and Air Flows	Cole, P.	3/23/54	U
TIM-9	Discourse on Theory, Philosophy and Design of Hydro Static Radio Bearings	Fulton, G.	3/18/54	U
TIM-10	Calculation of Heating in Beryllium Moderator and the Removal of this Heat from the CFR Power 300 MW	Hopkins, H.	3/30/54	U
TIM-11	Preliminary Control System for Augmented Nuclear Turbojet Coupled to Circulating Fuel Reactor	Cole, P.	4/2/54	U
TIM-12	Application of Nuclear Propulsion to Aircraft I. Tug-Type Airplane	Gaffin, W.	4/1/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-13	Preliminary Control System #2 for Augmented Nuclear Turbojet Coupled to Circulating Fuel Reactor	Moise, J.	6/1/54	U
TIM-14	The Calculation of Optimum Curves for 300 MW CFR Fuel to NaK Wrap-Around Heat Exchanger	Levoy, M.	4/9/54	U
TIM-15	Effect of Inlet Duct on a 300 Mw Fireball Type Reactor by Neutron Flux Simulator	Honeck, H.	4/13/54	U
TIM-17	Meridional Fuel to NaK Heat Exchanger	Gray, R.	5/14/54	U
TIM-18	The Possibility of an Inexpensive Nuclear Substitute for Beryllium for Use in Critical Experiments	Bilharz, O.	5/11/54	U
TIM-19	Thermal Stress Distribution in Reactor Pressure Shell Due to New Heat Source. Distribution Furnished by Physics Group	Stoner, W.	5/12/54	CRD
TIM-20	Intermediate NaK to NaK Heat Exchanger	Gray, R.	5/19/54	U
TIM-21	Stress Analysis of a Thin Spherical Shell Supported by a Large Number of Closely Spaced Struts with Hinged Attachments	Trottier, R.	5/14/54	U
TIM-22	Kinetics of the CFR	Cole, P.	6/4/54	U
TIM-23	Beryllium Island Support Rod in the CFR	Levoy, N.	6/9/54	U
TIM-24	A Study of Chemical Rockets versus Chemical Turbojets as a Means of Augmenting a Chemical-Nuclear Airplane at Very High Altitudes	Tiedmann, H.	6/9/54 6/25-54(Rev.)	CRD
TIM-25	Use of Bismuth as a Moderator Coolant	Hopkins, H.	6/14/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-26	Rough Calculations of a Thermal Shield for 300 MW CFR	Bigelow, C.	7/19/54	U
TIM-27	50 MW Reactor Study	Gray, R.	6/30/54	U
TIM-28	Xenon Concentration in CFR Using Mechanical Strippers	Suprynowicz, V	7/20/54	U
TIM-29	A Second Method for Determining the Effectiveness of the Mechanical Gas Strippers Used in Circulating Fuel Reactors	Suprynowicz, V	7/20/54	U
TIM-30	The Wrap-Around Heat Exchanger With the Fuel Flowing Inside the Tubes	Hopkins, H.	7/1/54	U
TIM-31	Possible Damage to Radiator Core by Reheating NaK (or Na) in Passages	Daddario, A.	8/3/54	U
TIM-32	Turbojet Performance for Limited Reactor Power	Lingenfelter, C.	7/20/54	U
TIM-33	100 MW Reactor Study	n. a.	7/21/54	U
TIM-34	Performance Test of a 3 Inch Diameter Turbine Pump	Randall, D.	7/22/54	U
TIM-35	Survey of Materials for Control Rod in the Circulating Fuel Reactor	Bellow, B.	7/21/54	U
TIM-36	Investigation of the Effect on Airplane Performance of Heat Exchanger Depth and Area Ratio for 12:1 Pressure Ratio Turbojet Engines of the TJOL-A7	Gaffin, W.	7/27/54	U
TIM-37	Spherical Shell Stress Analysis	Balles, T.	8/11/54	U
TIM-38	Freezing of a High Melting Liquid in a Heat Exchanger Under Varying Conditions	Baer, R.	8/3/54	U
TIM-39	Evaluation of Tube and Plate Fin Radiator Surfaces	Schmidt, R.	8/10/54	CRD
TIM-40	200 MW Reactor Study	Gray, R.	8/13/54	U
TIM-41	Comparison of P & W and Boeing Shield Arrangements	Woodsum, H.	8/16/54	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-42	Stresses in Long Thin Walled Cylinders due to Axial Temperature Radiant	Binks, V.	8/17/54	U
TIM-43	Estimate of Radiator Heat Loss Before Start Up	Daddario, A.	8/9/54	CRD
TIM-44	Hydrodynamic Studies of Circulating Fuel Reactors	Riley, J.	8/19/54	U
TIM-45	Gamma Ray Heating of Control Rod Cladding Materials	Bellow, B.	8/19/54	U
TIM-46	Status Report on Work by the Cornell Aeronautical Laboratories	Schenck, H.	8/23/54	CRD
TIM-47	Control Implications of Full Interburning and the Fuel Freeze Problem	Moise, J.	8/24/54	U
TIM-48	Investigation of the Effect, on Airplane Performance of Heat Exchanger Depth and Area Ratio for 9:1 Pressure Ratio Turbo-jet Engines of the TJOL-A13 Series	Gaffin, W.	8/30/54	U
TIM-49	Preliminary Specifications (No. 1) for the Control System of the ORNL 60 MW CFRE	Cole, P.	9/8/54	U
TIM-50	Investigation of Circulating Fuel Reactor Start-up by Constant Rate of Rod Withdrawal	Riley, J.	9/9/54	U
TIM-51	Temperature and Stress Distribution in the Wall of a Spherical Shell during Decrease of Gamma Rays Heating with the inner Surface Cooled and the Outer Surface Insulated	Balles, T.	9/10/54	U
TIM-52	Resume of Gamma Ray Heating Calculations in "Fireball" Reactor	Kniedler, M.	9/9/54	U
TIM-53	Revised 300 MW CFR Moderator Cooling Arrangement	Gray, R.	9/29/54	U
TIM-55	Rare Earth Control Rod Materials	Bourret, C.	9/29/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-56	Powerplant Heating During Start-up	Kleinman, S	9/22/54	U
TIM-57	Cooling of a Control Rod	Sanders, A.	9/16/54	U
TIM-58	Rejection of Shield Heat at Dash Conditions	Hopkins, H.	9/29/54	U
TIM-59	Variable Thickness Fuel to NaK Heat Exchanger	Gray, R.	10/1/54	U
TIM-60	Na to NaK Heat Exchanger	Snapp, W.	9/30/54	U
TIM-61	Schedule of Engine Operating Parameters for a Supersonic Bombing Mission	LeShane, A.	9/28/54	CDI
TIM-62	Lithium, Sodium and NaK as Coolant for the Primary Engine Reactor Circuit	n.a.	9/30/54	U
TIM-63	A Match Point Study to Determine Optimum Wrap-Around Heat Exchangers for Use with Two All-Nuclear Turbojets	Shepardson, J.	10/5/54	U
TIM-64	Match Point Study of an All-Nuclear Ramjet Utilizing the Circulating Fuel Reactor	Bunker, C.	10/5/54	CRD
TIM-65	Properties of Liquid Metals	Hopkins, H.	10/5/54	U
TIM-66	Material for NaK Piping	Barton, W.	10/12/54	U
TIM-67	Oxidation Resistance of Heat Exchanger Materials at 1600°F	Treciokas, V.	10/20/54	U
TIM-68	Analysis of Gamma Heating in the Pressure Shell Regions and Estimates of the Gamma Heating in the Four Interfaces in the Fireball Reactor	Ruby, D.	12/2/54	U
TIM-69	Report on Approximation of Gamma Heating in Fireball Type Reactors of Different Geometries and Power Levels	Ruby, D.	1/18/55	U
TIM-70	After Heating of U Salt	Berman, A.	10/25/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-71	Survey of Materials Com- patibility Test Rigs	Elovitz, D.	11/54	U
TIM-72	The Optimization of the Fuel to NaK Wrap-Around Heat Ex- changer (300 MW Reactor)	Shepardson, J.	11/9/54	U
TIM-73	Estimated Performance Data for a Chemical-Nuclear Turbofan of 350 lb/sec. Design Corrected Air- flow using 1500 F Fluoride Fuel	Andrews, N.	11/23/54	U
TIM-74	Survey Report on the Relia- bility of Systems	Riley, J.	11/2/54	U
TIM-75	Supplement and a Correction to FXM-922 "Survey Report on the Reliability of Systems	Riley, J.	11/17/54	U
TIM-76	Termination of the Value of Resistivity of Nickle A, 310 S.S., 316 S.S., and Inconel	Hahn, H.	11/3/54	U
TIM-77	Total Activity of Fission Pro- ducts and NaK in the "Fireball"	Davis, H.	11/16/54	U
TIM-78	Temperature Corrections to Den- sity of Mixed Fluorides in the Pseudo Binary Systems Na_2UF_6 - NaZrF_5	Bellow, B.	11/16/54	U
TIM-79	Analysis of the Resonant Struc- ture of Resonance Absorbers	Ott, D.	11/23/54	U
TIM-80	Cooling of Lead Shields	Anderson, L.	11/26/54	U
TIM-81	Curves to be Used for Calcu- lating Shield for the CFR	deGanahl, C	11/23/54	U
TIM-82	Activity of Sodium and Inconel in Fireball Reactor	Chapman, R.	11/24/54	U
TIM-83	Cruise-Dash Reactor Power Limi- tation Study Using the 12-to-1 Com- pressor Ratio TJOL-A7 Series Engines	Austin, G.	12/16/54	U
TIM-84	Patentiometric Determination of U	Winzig, C.	11/29/54	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-85	Investigation of the Optimum Configuration for a Biological Shield Radiator	LeShane, A.	12/1/54	U
TIM-86	Thin Foil Corrections for Slab Geometry	Corliss, W.	12/7/54	U
TIM-87	An Improved Multi Group Method for Reactor Calculations	Hill, P.	12/1/54	U
TIM-88	Survey of Drive Systems	Elovitz, D.	12/1/54	U
TIM-89	Stresses in Spherical Heat Exchanger Headers (Shower Heads)	McGovern, B.	12/14/54	U
TIM-90	Preliminary Biological Shield Radiator Investigation	Zeisser, M.	12/1/54	CRD
TIM-91	Xenon Stripper	May, T.	12/8/54	U
TIM-92	Increased Activation due to Replacing Inconel with Waspalloy	May, T.	12/9/54	U
TIM-93	Effect on Critical Mass due to a Change of Thickness of Inconel Cladding as Requested by Reactor Engineering Group	Offutt, W.	12/10/54	U
TIM-94	Reactivity Coefficients of Interest in the "Fireball" Hazards Analysis Part I	Merryman, F.	12/15/54	U
TIM-95	Struther's Wells NaK Heater Performance	Ahern, J.	12/16/54	U
TIM-96	Preliminary Analysis of the Important Reactor Hazard Variables	Davis, H.	1/4/55	U
TIM-97	A Reactor Drain System for Emergency Use	Farmer, W.	1/17/55	U
TIM-98	Photometric Determination of Beryllium using the Model DU Beckman Spectro Photometer	Cartier, G.	12/23/54	U
TIM-99	Activities of the Most Highly Activated Components of the "Fireball" System	Davis, H.	12/27/55	U
TIM-100	Dose after Shutdown from Fission Product Decay Gammas	Woodsum, H.	1/13/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-101	Dose after Shutdown from Fission Product Decay Gammas	Merryman, F.	1/13/55	U
TIM-102	An Analog Representation of a Counter Flow Heat Exchanger with Variable Flow of Both Fluids	Moise, J.	2/4/54	U
TIM-103	Effect of Using Sodium in Place of NaK in the Engines-Wrap-Around Heat Exchanger Circuit	Hopkins, H.	7/22/54	U
TIM-104	Analysis of Gamma Ray Heating in a 300 Megawatt Fireball Reactor	Kniedler, M.	12/2/54	U
TIM-105	Report on the Calculated Critical Mass of the Three Region Critical Experiment with 1/16 Inch Inconel Core Shells	Chase, G.	1/4/55	U
TIM-106	Additional Information of Compatibility of Materials	Elovitz, D.	1/7/55	U
TIM-107	Report on the Calculated Critical Mass of the Three Region Critical Experiment with 1/8 Inch Inconel Cor Shells	Chase, G.	1/7/55	U
TIM-108	Comparative Performance of 9/1 CPR Chemical Nuclear Turbojet Using NaK, Sodium and Lithium as the Heat Transfer Fluid	Smith, R.	1/14/55	U
TIM-109	Maximum Dose From a Radio-active Cloud	Davis, H.	1/13/55	U
TIM-110	An Approximate Method of Solution for Transient Temperature Distributions	Batter, J.	1/11/55	U
TIM-111	Preliminary Report on the Analysis of U ²³⁵ Cross Section	Corliss, W.	1/13/55	U
TIM-113	Stress Rupture Strength of Handy and Horman Silver Base Alloy	Burgess, K.	1/20/55	U
TIM-114	Efforts to Adjust the Results of Five Group Neutron Simulator Problems to More Nearly Agree with the Twenty-Five Group 701 Calculations	Ruby, D.	1/20/55	U
TIM-115	Study of Liquid Metal-Fused Salt Leak Under Various Conditions	Slotnick, H.	1/31/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-116	Preliminary Report on the Neutron Velocity Distribution in an Infinite Scattering Medium with Finite Absorption	Berman, A.	1/28/55	U
TIM-117	Preliminary Report on the 461 Point Value Cross Section Program	Corliss, W.	1/31/55	U
TIM-118	Thermal Cycle Tests of Beryllium	Stoner, W.	3/17/55	U
TIM-119	Proposed Radiator Test Program and Information Pertaining to Sub Contracts with Trane Company and Griscom Russel Company	Klingensmith, K	3/1/55	U
TIM-120	Cornell Aeronautical Laboratory Sub-contract on Radiator Test Core Development	Schenck, H.	3/9/55	U
TIM-121	Thermal Cycle Tests on Reactor Shell Materials	Stoner, W.	3/14/55	U
TIM-122	Materials Lab Fox Project	Lomerson, F.	3/17/55	U
TIM-123	Effect of 12R Heating Salt Convection Loops	Kennedy, S.	4/20/55	U
TIM-124	Performance Test Results from 3 Condensor Rigs and Description of the Test Stand	Shaw, R.	4/19/55	U
TIM-125	Subcontract Work by the Ferrotherm Company	Shaw, R.	4/20/55	CRD
TIM-126	Subcontract Work by Thompson Bros. Inc.	Shaw, R.	4/20/55	CRD
TIM-127	SS 316 Salt Convection Loops Test Results	Kennedy, S.	4/21/55	U
TIM-128	Design and Performance Analyses of a Shell and Internally Fin Tube Radiator	Nelligan, J.	4/22/55	CRD
TIM-129	Sintered Brazing Ring Development	J. E. Ahern	4/22/55	CRD
TIM-130	The Corrosion of Nickel Fused Salt Convection Loops FXR-37	Sanders, A.	4/26/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-131	The Corrosion of Stainless Steel 347 Fused Salt Convection Loops (FXR-37)	Sanders, A.	4/28/55	U
TIM-132	Comparison of the Corrosion of Inconel Thermal Convection Loops by ORNL Composition 30 Salt and XF-1 Salt - FXR-37	Sanders, A.	4/29/55	U
TIM-133	The Corrosion of Multimet N-155 Fused Salt Convection Loops - FXR-37	Sanders, A.	5/2/55	U
TIM-134	Report of Spark Plug Tests and Recommendation for a Liquid Metal Level Indicator	Thompson, E.	5/5/54	U
TIM-135	Endurance Test of Griscom-Russell Company Tube and Dimpled Fin Radiator Test Core	Schenck, H.	5/5/55	CRD
TIM-136	Radiator Design and Analysis	Zeisser, M.	n.d.	CDI
TIM-137	Results of Beryllium Thermal Cycle Tests #1, 2, and 3	Stoner, W.	5/17/55	U
TIM-138	Flow Tests of a Model Circulating Fuel Reactor Core with Vortex Generator	Overman, A.	5/18/55	U
TIM-139	The Corrosion of Hastelloy C Fused Salt Convection Loops - FXR-37	Sanders, A.	5/19/55	U
TIM-140	Turning Total Pressure Losses on Headers and Collectors	Casazza, S.	5/23/55	U
TIM-141	The Corrosion of Haynes Stellite 25 Fused Salt Convection Loops (FXR-37)	Sanders, A.	5/23/55	U
TIM-142	The Corrosion of Bimetallic (Inconel/Inconel X) Fused Salt Convection Loops: FXR-37	Sanders, A.	5/23/55	U
TIM-143	Design and Performance Analysis of a Shell and Internally Fin Tube Radiator	Nelligan, J.	5/26/55	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-144	A Comparison of the Corrosion of Inconel Fused Salt Convection Loops Run at Various Temperature Differential FXR-37	Sanders, A.	5/27/55	U
TIM-145	Irradiation of Motor Test Specimens for In-pile Forced Convection Loop	Walton, J.	5/25/55	U
TIM-146	Disposal of Radioactive and Chemical Wastes, Recommended Procedures at CANEL	Morrisson, R.	6/13/55	U
TIM-147	Results of Room Temperature Testing of a 6 Inch Sealed-Well Flanged Connection for Liquid Metal Service	Mastras, P.	8/23/55	U
TIM-148	Design and Test of a Rotational Bellows	Batter, J.	9/1/55	U
TIM-149	Recommended Counting Room Equipment for Nuclear Physics Laboratory	Bilharz, O.	8/8/55	U
TIM-150	Circulating Fuel Reactors	Newgard, J.	n.d.	CRD
TIM-151	NaK Detectors	Morgan, G.	n.d.	CRD
TIM-152	Summary of Investigation of NaK to Air Leak Detectors for Aircraft Use	Morgan, G.	8/1/55	U
TIM-153	Results of Test Runs #1 and 2 on NA-Be Free Connection Loop, FXR-7	Randall, D.	8/30/55	CRD
TIM-154	(Converted from FXM-1240) Preliminary Investigation of a Solid Fuel Element Reactor System with the NJ-1 Jet Engine	Beltracchi, L.	7/1/55	U
TIM-155	Energy Balance of a Turbo Jet	Fiedeman, H.	8/24/55	U
TIM-156	Stress Rupture and Tensile Strength of Type 310 Clad Copper Thin Alloy	Burgess, K.	5/25/55	U
TIM-157	Bendibility of Hastelloy B and C Alloys	Kajcia, M.	5/2/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-158	Development of Brazing Procedures for Fabrication of a Thermo Connection Inpile Loop, Part TLR-25005	Lomerson, E.	5/25/55	CRD
TIM-160	Determination of Cooling Hole Configuration in the Island and Reflector of the 60 MW ART Reactor	Rogerson, J.	8/25/55	U
TIM-161	Estimated Liquid Metal Leakage Thru a Radiator Tube Defect. Converted from FXM-1266	n.a.	7/20/55	U
TIM-162	Scat Leakage Test of 1/2 Inch Annin Valve	Mastras, P.	10/24/55	U
TIM-163	Preliminary Radiator Design and Performance Analysis of a Tube and Spiral Fin Surface Using Arced Tube Sections in the Circular Duct of a 7:1 CPR 450 lb/sec Engine	Zeisser, M.	8/15/55	U
TIM-164	Interim Report on Rig 4007A (49-F) Hydrostatic Bearing Rig	Shoop, A.	9/1/55	U
TIM-165	Preliminary S.S.R. Cooling System Specifications of Legislated NJ-2 Engine S.S.R. Cooling System includes Biological Shield, Pressure Shell and Central Rod	Doyle, J.	8/31/55	CRD
TIM-166	Test Results from Mass Transport Loop - Rig # 14-F	Bunker, C.	9/8/55	CRD
TIM-167	Power Generation in the Expansion Tank	Shienbob, L.	9/1/55	U
TIM-168	Forced Convection Loop Design	Cooper, M.	9/2/55	CRD
TIM-169	Moment and Reaction at Edge of a Rigidly Supported, Circular Arched Plate Loaded with Hydro Static Pressure	Welles, C.	9/8/55	U
TIM-170	Experimental Stress Analysis of a Shell with a Strut Normal to the Shell and a 1 Inch Strut Fillet Radius	Madden, P.	10/2/55	U
TIM-173	Stress Analysis and Design of Reactor Supports	Genens, L.	11/29/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-174	Mechanism of Damage in Organic Fluids due to Radiation by Vast Neutrons, Slow Neutrons or Gammas	Woods, T.	9/2/55	CRD
TIM-175	Report of Sodium, Be, Corrosion, Erosion and Mass Transfer Test Run to Date	Randall, D.	9/2/55	CRD
TIM-176	(Converted from FXM-1181) Transient Thermal Stress in Wrap Around Heat Exchanger Headers	McGovern, B.	9/2/55	U
TIM-177	(Converted from FXM-1185) Estimate of the Induced Gamma Activity in Radiator Alloy Materials	Woods, T.	9/2/55	U
TIM-178	Core Exit Analog Test	Ferrigno, F.	10/2/55	U
TIM-179	Report of Sodium, Be, Corrosion, Erosion and Mass Transfer Test Run to Date	Randall, D.	9/2/55	CRD
TIM-180	(Converted from FXM-1206) Heat Transfer Similarity in Turbulent Flow	Woods, T.	9/2/55	U
TIM-181	Boundary Layer Temperature Profiles	Woods, T.	9/2/55	U
TIM-182	(Converted from FXM-1154) Reactivity Effects of Various Reactor Accidents	Bellow, B.	9/12/55	U
TIM-183	(Converted from FXM-1194) Replacement of Inconel X by Waspaloy	Offutt, W.	9/6/55	U
TIM-184	(Converted from FXM-1217) Core Moderated Solid Fuel Element Sodium Cooled Reactor-Critical Mass Variation with Beryllium Concentration in the Fuel Region	Merriman, F.	9/6/55	U
TIM-185	(Converted from FXM-1250) Core Moderated Solid Fuel Element Sodium Cooled Reactor-Critical Mass Variation with Power Density	Merriman, F.	9/6/55	CRD
TIM-186	(Converted from FXM-1251) Core Moderated Solid Fuel Element Sodium Cooled Reactor-Critical Mass Variation with Reflector Thickness	Merriman, F.	9/6/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-187	(Converted from FXM-1255) Reflector Moderated Solid Fuel Element Sodium Cooled Reactor Critical Mass Vs. Power Density	Merriman, F.	9/6/55	CRD
TIM-188	(Converted from FXM-1256) Reflector Moderated Solid Fuel Element Sodium Cooled Reactor - Critical Mass versus Reflector Thickness	Merriman, F.	9/6/55	U
TIM-189	(Converted from FXM-1257) Reflector Moderated Solid Fuel Element Sodium Cooled Reactor - Critical Mass Variation with Island Radius	Merriman, F.	9/7/55	U
TIM-190	(Converted from FXM-1258) Summary of the Nuclear Design Comparison of Reflector Mod- erated and Core Moderated Solid Fuel Element Reactors	Merriman, F.	9/7/55	U
TIM-191	Relationship Between the Equa- tions Used in Fox Code and Diffusion Theory	Corliss, W.	9/2/55	U
TIM-192	Calculation of Group Average Cross Section on the IBM-701	Corliss, W.	9/9/55	U
TIM-193	Definition of Thermal Flux	Corliss, W.	9/8/55	U
TIM-195	(Converted from FXM-1171) Part Load Operation of the NJ-1, PWAR System, with NaK Bypass Under Various Operating Conditions	Beltracchi, L.	5/6/55	U
TIM-196	Comparison of the Operating Tem- perature of Four Element Designs for a Na Cooled Reactor	Davis, H.	12/14/55	CRD
TIM-197	Determination of the Operating Temperatures and Physical Dimen- sions of Reactor Fuel Elements	Davis, H.	9/12/55	CRD
TIM-198	(Converted from FXM-1216) Fuel Elements for the Aircraft Solid Fuel Element Reactor	Beresovski, T.	9/12/55	SRD
TIM-199	Effect of Tetrabromoethane Vapor Upon Silicone Rubber, Teflon, and Soft Iron	Slotnick, H.	9/8/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-228	Determination of Triangular Cooling Hole Configuration in the Island for the 60 MW ART Reactor and Experimental Check on the Accuracy of the Electrolytic Tank Type Analog	Rogerson, J.	1/12/56	U
TIM-229	MTR Thermal Neutron Measurement I	Berman, A.	1/4/56	U
TIM-231	Endurance Testing and Metallurgical Examination of the Trane Co. Plate and Fin Test Core (T-1)	Harvey, C.	1/16/56	U
TIM-232	A Parametric Study of Heat Transfer to Solid Fuel Elements	Delano, A.	1/25/56	CRD
TIM-233	Estimated Gamma Isodose Contours for NJ-2 Reactor Operating at Full Power	Deese, C.	1/10/56	U
TIM-233 (Supp. A)	Estimated Gamma Isodose Contours for the NJ-2 Powerplant at 5 and 50 hours after Shutdown	Smith, R.	3/29/56	U
TIM-234	A Method of Calculating Velocity Distribution in a Rotationally Symmetric Body and of Predicting Flow Separations	Woods, T.	2/2/56	U
TIM-235	Flow Analysis and Test for a Model Core No. 1 for the CFR	Overman, A.	1/24/56	U
TIM-236	The Importance of the Air Scattered Gamma Rays from the NaK Jumpers	Rotondo, C.	1/26/56	U
TIM-238	Shell and Tube Radiator Perf.	Schenck, H.	2/14/56	CRD
TIM-239	Thermal Neutron Flux Measurements II and III in Shim Rod Hole L-43 of the MTR	Alwang, W.	6/4/56	U
TIM-240	Ram-air Cooler System Requirements for the Biological Shield, Pressure Shell and Control-rod of the NJ-2 Engine	Rogovin, J.	2/27/56	SDI
TIM-241	Fin Radiator Endurance Test	Denny, J.	2/16/56	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-242	Some Estimated Gamma after Shut-down Doses and Mercury Augmentation Data for NJ-2 Powerplant after 42 Hours Operation at Full Power	Deese, C.	3/26/56	U
TIM-243	Characteristics of Boiling Water Coolers	Ahern, J.	2/20/56	CRD
TIM-244	Corrosion of Platinum and Gold Plated Inconel Specimens at 1500 °F Composition 30 Salt	Slotnick, H.	10/11/56	CRD
TIM-245	PWAR-3 Control Drive Specifications	Bourret, C.	3/5/56	U
TIM-246	Effect of Test Variables on the Corrosion of Inconel in Composition 30 Salt	Slotnick, H.	2/27/56	CRD
TIM-248	Test of Pesco Pump in Water to Determine Hydrolic Performance and Dynamic Seal Characteristics	Slotnick, H.	4/17/56	U
TIM-249	Sodium Activation in Design Specifications 5 NaK-Fuel Heat Exchanger	Hefferon, G.	3/12/56	U
TIM-250	Liquid Metal Valve Stem Packing Tests	Mastras, E.	3/5/56	U
TIM-251	Materials Compatibility in LM	Leaper, H.	3/26/56	U
TIM-252	Performance Test of Tube and Plate Fin Radiator (PWTPF-2)	Schenck, H.	4/9/56	CRD
TIM-253	Endurance Test of Six Inch Seal Weld Flanged Pipe Connection	Starbird, A.	7/6/56	CRD
TIM-254	Comparison of Data Handling Equipment for Radiator Air and Pilot Radiator Labs	Bliss, P.	4/12/56	CRD
TIM-255	The Cylindrical Multi-group Method as Used by the P&WA Physics Group	Stevenson, B. Wagner, E.	8/25/58	U
TIM-258	Thermocouple Transient Investigation	Hahn, H.	7/24/58	U
TIM-259	Fox Project Work on High Temperature Strain Measurement	Hahn, H.	5/11/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-200	A Numerical Example of the Approximate Type Thermal Stress Solution	Batter, J.	9/16/55	U
TIM-201	Stress Rupture Strength in Air of FP-2 Vacuum Cast Inconel X Alloy	Burgess, K.	9/12/55	U
TIM-202	Stress Rupture Strength in Air of FP-3 Vacuum Cast Inconel X Alloy	Burgess, K.	9/12/55	U
TIM-203	A Program for Calculating Cross Sections for Alloys	Wenzel, C.	9/16/55	U
TIM-204	The Multigroup Method as Used by the Pratt & Whitney Physics Group	Merriman, F.	8/15/57	U
TIM-205	Fission Product Activity and Decay Heat Distribution in a CFR Fuel Reactor with Fission Gas Stripping	Newgood, J.	9/28/55	U
TIM-206	Elevated Temperature, Conductivity of Metal	Shea, T.	9/20/55	U
TIM-207	Preliminary Comparison of Turbo Jet Main Radiators in an Axial-Flow Installation	Daddario, A.	10/19/55	CRD
TIM-208	Comparison of KAPL and "Foxcode" Multigroup Schemes	Offutt, W.	9/23/55	U
TIM-209	(Converted from FXM-1303) Effect on Reactivity of Removing the Sodium from the Island and Reflector of the Fireball Design Reactor	Ruby, D.	9/27/55	U
TIM-210	Stress Rupture Strength in Air of FP-1 Vacuum Cast Inconel Alloy	Burgess, K.	2/24/56	U
TIM-211	Performance of the Griscom Russell Radiator (GR-2)	Schenck, H.	10/6/55	CRD
TIM-212	Prt on PWAR Control Rod Cooling Requirements	Schaeffer, R.	10/11/55	U
TIM-213	Engine Radiator Recommended for the Legislated NJ-2 Engine Performance Calculations	Zeisser, M.	10/14/55	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-214	Radiator Design and Performance Analysis of a Tube and Spiral Fin Surface Using Wedge Core Sections in the Circular Duct of a 7/1 CPR 450 lb/sec Engine	Zeisser, M.	10/13/55	SDI
TIM-215	Stress Check of ART Outer Core Shell	Genens, L.	10/20/55	U
TIM-216	Test Results from Na-Be Erosion Loops # 3 and 4	Randall, D.	10/26/55	CRD
TIM-217	Results of Test Runs STL-3 and 4, NA-Be Thermo Connection	Randall, D.	11/10/55	CRD
TIM-218	Test Results from Na-Be Erosion Loops SEL 5 and 6	Randall, D.	11/16/55	CRD
TIM-219	(Converted from FXM-1354) Control System Study of NJ-2 and a 300 MW Reactor	Flanders, T.	11/17/55	SRD
TIM-220	Core Profile Study	Shienbob, L.	11/29/55	U
TIM-221	Endurance Test of the Griscom Russell Company Tube and Spiral Fin Radiator Test Core (GR-3)	Casazza, S.	11/25/55	CRD
TIM-222	Leak Detection Using the Helium Mass Spectrometer	Morgan, G.	11/29/55	U
TIM-223	Design, Fabrication, Endurance Testing, and Results of Metallurgical Investigation of Failure of P&WA Shell and Tube Radiator Test Core PW-ST-1	Centofanti, A.	12/2/55	CRD
TIM-224	Critical Assembly Static Mock-up of CFR Fuel with Respect to Both Gamma and Neutron Absorption	Berman, A.	12/8/55	U
TIM-225	Unshielded Doses from Low Power PWAR-1	Honeck, H.	12/9/55	U
TIM-226	Design, Fabrication, Endurance Testing, and Metallurgical Examination of the P&WA Tube and Plate Fin (PW-TPF-1) Radiator Test Core	Centofanti, A.	12/22/55	CRD
TIM-227	Gamma Doses from a Confined Reactor Accident	Honeck, H.	12/21/55	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-260	Tube & Fin Radiator Performance	Schenck, H.	5/21/56	CDI
TIM-261	Water Flow Tests on Light-weight Stop Valve #2	Wills, D.	5/23/56	U
TIM-262	Performance Test of Plate and Fin Radiator (PW-PF-1)	Schenck, H.	5/29/56	CRD
TIM-263	Gamma Heating; Kniezel Code Part 2	Kniedler, M.	2/27/57	U
TIM-264	Endurance Test of P & W Shell and Tube Radiator Test Core	Denny, J.	7/16/56	CRD
TIM-265	Preliminary Physics Calculation on the Core Moderated CFR	Denny, J.	6/29/56	U
TIM-266	Pump Inlet Test In Water	Masley, P.	7/10/56	U
TIM-268	Test Conditions and Failure Analysis of the P & W Aircraft Tube and Plate Fin Radiator Test Core PW-TPF-2	Casazza, S.	7/17/56	CRD
TIM-270	Endurance Testing and Metallurgical Examination of the Trane Co. Flattened Tube and Test Core	Smith, L.	7/18/56	CRD
TIM-271	Stress Rupture Strength in Air of FP-4 Vacuum Cast Type 316 Stainless Steel	Burgess, K.	7/16/56	U
TIM-272	Status Report on Liquid Metal and Fused Salt Level Indicators	Morgan, G.	7/20/56	U
TIM-273	Non Linear Engine Log Analysis	Maise, J.	4/12/54	CRD
TIM-274	The Effects of Operating Time Upon Corrosion of Inconel Fused Salt Convection Loops FXR-37	Slotnick, H.	7/24/56	CRD
TIM-276	Irradiation Test of Alklyinbenzine Pump System in the Convair GTR 1956 Program	Lombard, R.	7/24/56	CRD
TIM-277	Performance Comparison of the NJ-2, NJ-2B and NJ-2D Powerplants in a Supersonic Strategic Bomber	Coe, C.	9/27/56	CDI
TIM-278	Test of 6 Inch Cameron Iron Works Valve	Deschones, B.	8/28/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-279	Fatigue Testing of Spirally-Finned Heat Exchanger Tubing	Schenck, H.	10/5/56	U
TIM-280	Acoustics of Heat Exchangers	Schenck, H.	10/8/56	U
TIM-281	Salt Pump Control Study	Thompson, D.	8/17/56	U
TIM-282	Endurance Testing and Metallurgical Examination of the Trane Company (T-5)	Smith, L.	8/27/56	CRD
TIM-284	Endurance Testing Griscom-Russell Company (GR-2)	Casazza, S.	9/4/56	CRD
TIM-285	Performance of a Liquid Metal Oxide Indicator	Casazza, S.	9/4/56	U
TIM-286	Propulsion, Thermal, and Overall Conversion Efficiencies for Air-Breathing and Non-air-breathing Power Plants	Tiedeman, H.	9/28/56	U
TIM-287	Stress and Creep of Hastelloy X	Burgess, K.	10/11/56	U
TIM-288	Application of Iterative Procedure for Calculating Two Dimensional Flows	Smith, L.	9/6/56	U
TIM-289	Endurance Testing (T-2) ...	Smith, L.	8/27/56	CRD
TIM-290	Water Flow Test on 45° Lateral Tee and 90° Wye Plexiglass Fittings	Scrivner, D.	9/12/56	U
TIM-291	A Calculation Procedure for Radial Flow Pumps	Dickson, J.	9/20/56	U
TIM-292	Salt System Guide Vanes	Dickson, J.	4/20/56	U
TIM-293	Loading on Salt System Guide Vanes	Dickson, J.	9/20/56	U
TIM-294	A Dynamic Seal for FPC-1	Dickson, J.	9/20/56	U
TIM-295	Stresses in Salt System Guide Vanes	Dissler, J.	9/20/56	U
TIM-296	A Method of Calculating Stress in Guide Vanes of Variable Cross Section Subjected to Unsymmetrical Bending	Dissler, J.	9/20/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-297	(Converted from FXM-2075) The Heating of Powerplant System by Liquid Metal Pump Work	Beltracchi, L.	9/5/56	U
TIM-297 (Supp. 1)	The Heating of Powerplant System by Liquid Metal Pump Work	Bosco, C.	12/26/56	U
TIM-298	Results of PWAR-1 Core Flow Tests with Various Inlet Con- figurations	Bassett, G.	11/1/56	U
TIM-299	Stress Distribution in a Solid Circular Cylinder Due to an Axial Sinusoidal Temperature Distribution	Ronkovitz, W.	9/26/56	U
TIM-300	Stress Analysis of Support for Reflector Slices of PWAR-1	Genens, L.	6/19/56	U
TIM-301	Evaluation of Constants for Creep Law Suggested by Prof. Soderberg when Applied to Data on Properties of Hastelloy X Alloys	Berlin, R.	9/26/56	U
TIM-302	Evaluation of Constants for Empir- ical Relationship Between Rupture Life and Minimum Creep Rate as Given by Monkman and Grant when Applied to Data on Hastelloy X Alloy	Berlin, R.	9/27/56	U
TIM-303	Application of Larson-Miller Relationships to Hastelloy X Creep Data	Gemma, A.	9/27/56	U
TIM-305	Stress Analysis of Beryllium Stud Attachment for PWAR-1	Genes, L.	4/9/56	U
TIM-305 (Supp. 1)	Flexible Stud	Genes, L.	5/26/56	CRD
TIM-306	Correlations of Tube Burst Data and Tensile Data by Means of Effective Stress for Hastelloy X Alloy	Berlin, R.	10/1/56	U
TIM-306 (Supp. A)	Correlations of Tube Burst Data and Tensile Data by Means of Effective Stress for Hastelloy X Alloy	Berlin, R.	2/13/57	U
TIM-311	Inpile Loop Heat Exchanger Mock-Up Tests	Baer, R.	9/27/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-312	Final Report on the Beryllium Thermal Cycle Tests	Stoner, W.	10/1/56	U
TIM-313	Investigation of Various Stresses around North and South Jumpers of PWAR-1 Caused by Temperature Differences and Internal Pressure	Evans, J.	10/1/56	U
TIM-314	Thermal Stress in Various Reactor Components and the Investigation of Stress Relaxation	Bushnell, C.	10/1/56	U
TIM-316	Neutron Physics Studies of the SMC (Shield Mock-up) Core Reactor	Wagner, E.	10/22/56	CRD
TIM-317	Heat Exchanger Header Creep Test	Quedens, P.	10/10/56	CRD
TIM-317 (Supp. A)	Creep Bucket Test of a Lead Model of the "Bump Type" Wrap Around Heat Exchanger	Sutherland, J.	4/2/57	CRD
TIM-318	Plastic Strain Fatigue Test	Quedeus, P.	10/5/56	U
TIM-318 (Supp. A)	Plastic Strain Fatigue Test	Quedens, P.	10/5/56	U
TIM-318 (Supp. B)	Plastic Strain Fatigue Test	Sutherland, J.	12/5/56	U
TIM-318 (Supp. C)	Plastic Strain Fatigue Test	Sutherland, J.	5/6/57	U
TIM-319	Lead Tube Creep Buckling Test	Quedens, P.	10/8/56	U
TIM-320	FXR-288 Inconel Tube and Core Shell Model Creep Buckling Test	Quedens, P.	10/8/56	U
TIM-321	Perforated Plate Shocks Tests	Quedens, P.	10/8/56	U
TIM-322	Correlation of Creep Deformation of Lead (Shell Material) and Inconel under Uniaxial Stress	Quedens, P.	10/8/56	U
TIM-323	A Method for Calculating the Creep Deformation of an Axially Symmetrical Thin Shell Loaded by Hydrostatic Pressure	Bigelow, C.	10/8/56	U
TIM-324	Experimental Stress Results Due to Axial Loads in a Flared Shell Section	Quedens, P.	10/8/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-324 (Supp. A)	Flared Shell Subjected to Internal Pressure	Quedens, P.	10/8/56	U
TIM-325	The Effect of Operating Temperature and Thermal Gradient on the Corrosion of Hastelloy B and Fused Salt Convection Loops FXR-37	Donnelly, E.	10/5/56	CRD
TIM-326	Strain Gage Test of South Header Sections Under Internal Pressure	Donnelly, E.	10/9/56	U
TIM-326 (Supp. A)	Strain Gage Test of South Header Sections Under Internal Pressure	Sutherland, J.	1/2/57	U
TIM-327	Strain Gage Test of an ART Type Outer Core Shell Subjected to an Internal Pressure	Quedens, P.	10/9/56	U
TIM-330	Change in Surface Composition of Hastelloy X and Inconel X Exposed to 1500 F Composition 30 Salt	Donnelly, E.	10/9/56	U
TIM-331	Inconel Core Shells	Quedens, P.	12/28/55	CRD
TIM-332	Corrosion Resistance of Hastelloy X with Composition 70 Salt and Fused Salt Convection Loops FXR-37	Donnelly, E.	10/17/56	CRD
TIM-333	Corrosion Resistance of Hastelloy with Fused Salt Convection Loops FXR-37	Donnelly, E.	10/17/56	CRD
TIM-334	Endurance Testing and Metallurgical Examination of the Trane Co. Flattened Tube and Test Core. T-6	Smith, L.	10/23/56	CRD
TIM-335	Fabrication and Test of Plate and Fin Liquid Metal Passage Specimens	Herman, A.	10/23/56	CRD
TIM-336	Tube-to-Header Joint Specimens	Herman, A.	10/30/56	CDI
TIM-338	Hydrodynamic Test of PWAR-1 Heat Exchanger Cross Flow Region	Bassett, G.	2/5/57	CRD
TIM-340	Beryllium Attachment Test (Converted from FXM-2233)	Lovewell, G.	10/24/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-341	Thermal Expansion of Aluminum-Bronze, Beryllium, Hastelloy C, Hastelloy R235, Hastelloy X, Inconel, Inconel X, Molybdenum, Nimonic 80A, 310 S.S., 316 S.S., and Waspaloy	Harrington, L.	10/3/56	U
TIM-342	Endurance Testing and Metallurgical Examination of the Trane Co. Flattened Tube and Finned Test Core T-3	Smith, L.	10/30/56	CRD
TIM-343	Test Report of Model Salt Pump FPM-1A	Manfredi, D.	11/20/56	CRD
TIM-344	Report of Cold Tests of Reactor Dump Valve	Kulp, R.	11/7/56	U
TIM-346	Plate and Fin Test Core	Smith, L.	11/9/56	CDI
TIM-347	The Spectrophotometric Determination of Titanium in Fluoride Salts	Kelly, J.	11/14/56	U
TIM-348	Corrosion of Hastelloy B, Inconel, Bi Metallic Salt Convection Loop - FXR-37	Donnelly, E.	11/29/56	CRD
TIM-349	Inconel Corrosion-Temp. Effect	Donnelly, E.	1/28/57	CRD
TIM-350	Fabrication, Test, and Metallurgical Examination of Spiral-Finned Tube Serpentine Specimen, 376-F	Herman, A.	12/5/56	CRD
TIM-351	A Rig for Creep and Rupture Testing of Shell Specimens	Evans, J.	12/5/56	U
TIM-352	Tube and Fin Radiator Test	Casazza, S.	12/17/56	CDI
TIM-353	Creep Test of a Spherical Shell	Evans, J.	12/10/56	CRD
TIM-354	Review of the Significance of Fast Neutron Dosage Units	Woods, T.	11/27/56	U
TIM-355	Volume Fractions of Sodium Coolant Required in Beryllium Core Moderated Reactors	Baer, R.	11/27/56	U
TIM-356	Dry Face Seal Program	Nelson, C.	11/27/56	U
TIM-357	Test Report on Model Salt Pump FPM-5A	Manfredi, D.	11/28/56	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-358	Test Report on Model Salt Pump FPM-6	Manfredi, D.	12/3/56	CRD
TIM-359	Experimental Stress Analysis of Toroidal Type Expansion Joint	Quedens, P.	1/2/57	U
TIM-359 (Supp. A)	Experimental Stress Analysis of Omega Type Expansion Joints	Sutherland, J.	1/30/57	U
TIM-360	Endurance Test of the Tube and Fin Radiator Test Core	Casazza, S.	12/13/56	CRD
TIM-361	Elevated Temperature Conductivity of Hastelloy X	Shea, T.	12/13/56	U
TIM-362	Verification of Clarke's Analysis of Toroidal Shells with Test of an Omega Expansion Joint	Berlin, R.	12/13/56	U
TIM-363	Creep Buckling of Thin Symmetrical Shells	Bigelow, C.	12/12/56	U
TIM-364	Endurance Testing and Metallurgical Examination of the Trane Co. Flattened Tube and Test Core T-8	Smith, L.	8/21/56	CRD
TIM-365	CANEL Facilities Middletown, Conn.	Buck, R.	12/17/56	U
TIM-366	Beryllium Diffusion Barrier Investigation	Doak, R.	2/10/58	CRD
TIM-367	Effective Thermal Cross Sections of Non- 1/v Elements	Davis, H.	12/27/56	U
TIM-368	Test and Metallurgical Examinations of Liquid Metal Venturi Specimens 109-FA	Herman, A.	12/28/56	U
TIM-369	Elimination of Setback Mode of Rod Control	Bourret, C.	12/31/56	U
TIM-370	Results and Analysis of Room Temperature Pressure Testing of the Howard Foundry Pesco Pump Volume S-2463-1 P&WA #248773	Dufford, J.	1/3/57	U
TIM-371	Effect of Refilling on Corrosion of Inconel X Salt Convection Loops FXR-37	Donnelly, E.	1/7/57	CRD
TIM-372	Performance Test of Tube and Plate and Fin Radiator PW-TPF-3	Ragovin, J.	1/9/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-373	Endurance Testing and Metal-lurgical Examination of the Trane Co. Flattened-Tube and Finned-Test Core (T-11)	Smith, L.	1/21/57	U
TIM-375	Liquid Metal Test of 6 Inch Piston Operated Wolworth Valve	Chambers, R.	1/23/57	U
TIM-376	Ignition Delay of NaK in Air	Doyle, J.	1/28/57	CDI
TIM-377	Test Report of Model Salt Pump FPM-5B	Manfredi, D.	1/29/57	CRD
TIM-378	Test Results of Silver Inserted Centrifugal Pump Mass Transfer Loop Test FPL-51	Coyle, G.	1/21/57	CRD
TIM-379	Test of Hanford Type Remotely Operated Pipe Disconnects	McMath, R.	3/8/57	CRD
TIM-380	A Nuclear Powered Flying Crane Feasibility Study	Gaffin, W.	2/1/57	CRD
TIM-381	Control Rod Coolant Seal Test	Naples, P.	2/1/57	CRD
TIM-382	Salt Freeze Valve Test Report Design #1, (.546 Inches I.D.)	Beppler, C.	2/18/57	U
TIM-383	Preliminary Results of Operating J-57 Under Irradiation at ORNL Tower Shielding Facilities	Meyer, R.	2/19/57	U
TIM-384	Function Scales and Nomographs for the Calculation of Air Pressure Drop through a Constant Area Heated Passage	Kvick, P.	7/9/57	U
TIM-385	Fabrication and Performance of ORNL-Type Radiators Built by P&WA	Flynn, J.	3/4/57	U
TIM-386	Heat Transfer from a Slab	Ross, R.	12/27/56	CRD
TIM-387	Fluid Flow in a Sinusoidal Duct	n.a.	3/14/57	U
TIM-388	Test of P-1 Version of Pesco Pump in 2000 G.P.M. Water Loop	Lombard, R.	4/5/57	U
TIM-390	Perforated Beams in Bending	Richardson, A.	4/3/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-391	The Effects of Hydrogen Atmosphere on CR-Al, I. C. and Driver Harris #242-#33 Alloy Thermocouples at Elevated Temperature	Sullivan, D.	4/1/57	U
TIM-392	A Study of the Temperature Rise in a Coolant Surrounding a Tube Containing a Fluid with Heat Generation	Sparrell, J.	12/5/56	U
TIM-393	Voltage Breakdown of Gases at High Temperatures	Hahn, H.	6/10/57	U
TIM-394	Braze Tube to Header Joint Specimens 380-F, 390-F, 412-F, 413-F, in High Temperature, High Velocity Liquid Metal	Herrman, A.	3/21/57	CRD
TIM-395	Type 316 S.S. - NaK Mass Transport Loop 420°F	Murk, A.	3/27/57	U
TIM-397	Alterations of the I.D. Multi-group Methods Used by P & W Reactor Physics Group to Permit The Use of Different Size Lattices	Wagner, E.	4/11/57	U
TIM-398	Hydraulic Tests of Reactor Pump	Kulp, R.	5/31/57	CRD
TIM-399	Hydraulic Test of Model Reactor Coolant	Kulp, R.	9/27/57	CRD
TIM-400	Hydraulic Tests of Model Reactor Coolant Pump, SPM-3 Series	Kulp, R.	9/30/57	CRD
TIM-401	Hydraulic Tests of Model Reactor Coolant Pump, SPM-4 Series	Kulp, R.	11/25/57	CRD
TIM-402	The Thermal Expansion of Five Titanium Carbide Cermets	Harrington, L.	5/9/57	CRD
TIM-403	Experimental Determination of Velocity Head Coefficients for the Vortex Generators and Core of a Circulating Fuel Reactor	Overman, A.	5/1/57	U
TIM-404	Preliminary Results of Operating J-57 Engine Under Irradiation at ORNL Tower Shielding Facility Test #2	Means, H.	4/15/57	U
TIM-405	Test Results of Lithium Mass Transfer Loop LPI-1	Bunker, C.	7/25/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-406	A Flame Spectrophotometric Method for the Determination of Nickel and Boron in Plating Solutions	Fornwalt, D.	6/10/57	U
TIM-407	Feasibility Study of High Performance CFR Reactors Employing Alkali Metal-UO ₂ Slurry Fuels	Koppel, P.	6/16/57	CRD
TIM-408	Discontinuity Analysis of a Cylindrical Pressure Vessel Having an Ellipsoidal Head and a Short Head-to-Cylinder Transition Section	McLaughlin, D.	8/2/57	U
TIM-410	The Thermal Expansion of Eleven Tungsten Carbide Cermets, Kennametals, K-3H, K-8, K-10, K-11, K-21, K-90, K-91, K-92, K-94, K-95 and K-96	Harrington, L.	5/31/57	U
TIM-411	Final Report on the Development of a Circulating Fuel-Reactor Core Entry	Overman, A.	3/20/58	U
TIM-412	Heat Exchanger Tube Spacer Development Water Test	Knudsen, L.	2/26/58	U
TIM-413	Pneumatic Charging and Discharging Time Constants	Naples, P.	6/6/57	U
TIM-414	Salt Freeze Valve Test Report Design No. 2 (1.049" I.D.)	Beppler, C.	2/11/58	U
TIM-415	Testing of 6 Inch Zallea Flexure Joints No. 1 and No. 2	Deschanes, B.	10/9/57	CDI
TIM-416	Test Results of Inconel Centrifugal Pump Fused Salt Mass Transfer Loops. Tests Nos. FPL-1-12, 2, 3, 4, 5, 6, 8	Wunsch, W.	1/20/59	CRD
TIM-417	Literature Survey on Combined Stress Creep	Stoloff, N.	8/7/57	U
TIM-418	Experimental Stress Analysis of the PWAR-6 Pressure Shell	Spahl, R.	10/11/57	CRD
TIM-419	The Effects of Deadband on PWAR-5A Control Cylinder Drive System Performance	Bourret, C.	10/2/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-420	Literature Survey on Creep of Structural Materials under Irradiation	Stoloff, N.	8/22/57	U
TIM-421	High Temperature Operation of Unlubricated Gears in Inert Atmosphere	Scharr, J.	9/4/57	U
TIM-422	Elevated Temperature Elastic Property Data for Type 316 and 310 Stainless Steel, Hastelloy-B, Hastelloy-W, and Hastelloy-X	Leeper, H.	9/3/57	U
TIM-423	Activation Energy for Creep of Inconel in Various Media	Stoloff, N.	8/22/57	U
TIM-424	Fabrication, Endurance Testing and Metallurgical Examination of Flattened-Tube-and Ruffled-Plate-Fin Radiators PW-FTRPF-1 and PW-FTRPF-2	Cohoon, J.	10/15/57	CDI
TIM-425	Hydrodynamic Test of a Fuel Element for a Solid Fuel Reactor	Overman, A.	10/25/57	CRD
TIM-426	Determination of Lithium Carbide in Lithium	Hobart, E.	9/12/57	U
TIM-427	Determination of Lithium Nitride in Lithium	Hobart, E.	9/6/57	U
TIM-428	The Thermal Expansion of Three Special Tungsten Carbide Cermets with 35, 60 and 80% Cobalt Binder	Harrington, L.	9/25/57	U
TIM-429	Tests of a One-Half Inch Liquid-Metal P-K Paul Valve	Vet, M.	10/7/57	U
TIM-430	Test Report of a Model Salt Pump FPM-7	Manfredi, D.	10/31/57	CRD
TIM-431	Report of Model Salt Pumps, FPM-1F, FPM-10, FPM-4G, FPM-4H, FPM-4I, and FPM-14J	Manfredi, D.	2/6/58	CRD
TIM-432	Pressure Loss Coefficients for a Four Inch Length Reactor Fuel Element	Overman, A.	3/24/58	CRD
TIM-433	Stress Rupture Under Increasing Stress	Stoloff, N.	1/17/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-434	Type 316 Stainless Steel Forced Convection Lithium Cor- rosion Loop Test LSSA-1A1	Shaw, R.	3/18/58	CRD
TIM-435	Hastelloy X Forced Convection NaK Corrosion Loop Tests, HXLM-1 and 2	Shaw, R.	12/9/58	U
TIM-436	Test Report of Model Salt Pumps FPM-11, FPM-12 and FPM-13	Manfredi, D.	5/2/58	CRD
TIM-437	Test Report of Model Salt Pump FPM-15	Manfredi, D.	5/15/58	CRD
TIM-438	Test of P2 Version of Pesco Pump in 2000 GPM Water Loop	Carroll, M.	3/12/58	U
TIM-439	Design of High Temperature Pres- sure Vessel Heads to Eliminate Elastic and Creep Bending Strains	Wells, C.	11/19/57	U
TIM-440	Performance Test of Trane Co. Flattened-Tube-and Ribbon-Fin Radiator (T-10)	Ballou, D.	10/11/57	CRD
TIM-441	Vibration Study of Tube and Spiral Fin Radiator	Cohoon, J.	10/14/57	U
TIM-442	Prediction of Internal Temper- atures and Pressures of the JTN-9 Engine Radiator	Horan, J.	10/14/57	CRD
TIM-444	Endurance Testing and Metal- lurgical Examination of the Trane Co. Flattened-Tube-and- Fin-Radiator Test Core (T-12)	Denny, J.	10/18/57	CDI
TIM-445	Endurance Testing and Metal- lurgical Examination of the Tube-and-Spiral-Fin-Radiator Test Core (PW-TSFI-1)	Denny, J.	1/28/57	CDI
TIM-446	Endurance Testing and Metal- lurgical Examination of the Trane Co. Flattened-Tube-and Ribbon-Fin Test Core (T-10)	Ballou, D.	10/14/57	CDI
TIM-450	Endurance Testing and Metal- lurgical Examination of the Trane Co. Flattened-Tube-and- Fin Test Core (T-7)	Smith, L.	10/14/57	CDI

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-451	Optimum Design of Sheet-Stringer Panels Subjected to Concentrated Loads	Meck, H.	10/22/57	U
TIM-452	CTF Summary Hazards Report	Hedden, D.	11/15/57	CRD
TIM-453	Test Report of Model Salt Pump FPM-4	Kulp, R.	6/26/59	CRD
TIM-454	PWAR-5A Preliminary Scram Studies	Shuford, S.	12/2/57	CRD
TIM-457	Status Report of the Full Scale Water Flow Model of the PWAR-1 Circulating Fuel Reactor Fuel Circuit	Overman, A.	10/30/57	U
TIM-458	A Bearing Evaluation for Inpile Application	Mattrella, U.	1/7/58	U
TIM-459	Correlation of Creep and Stress Rupture Data for Beryllium	Stoloff, N.	12/3/57	U
TIM-463	Flow Distribution Test of the Divider Section of the JTN-9 Radiator Header	Turner, G.	10/16/57	U
TIM-464	Corrosion of Titanium Thermal Convection Loops by Lithium	Donnelly, E.	1/22/58	CRD
TIM-465	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Test LSSA-3B1	Shaw, R.	2/26/58	CRD
TIM-466	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Test LSSA-4A2	Shaw, R.	1/21/58	CRD
TIM-467	Forced Convection Lithium Corrosion Loop Test LCSA-1D1	Shaw, R.	1/23/58	CRD
TIM-468	Waspaloy, Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Test, LWWB-1B1	Shaw, R.	2/10/58	CRD
TIM-469	Type 316 Stainless Steel Forced Convections Lithium Corrosion Loop Test LSSA 2B2	Shaw, R.	3/17/58	CRD
TIM-470	Elevated Temperature Tensile and Creep-Rupture Properties of Type 316 Stainless Steel	Stoloff, N.	1/21/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-471	Design of Fuel Element Irradiation Capsule	Fine, A.	2/7/58	CRD
TIM-472	Test of a Forced Convection Lithium Corrosion Loop, LCSB-1B1, Containing a Columbium-Zirconium Alloy Heater Leg in an Otherwise Type 316 Stainless Steel Loop	Shaw, R.	2/25/58	CRD
TIM-473	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Test LSSA-5H1	Skaritka, J.	5/2/58	CRD
TIM-474	Type 446 Stainless Steel Clad Columbium Forced Convection Lithium Corrosion Loop Tests LCCW-1B2 and LCCW-4B1	Shaw, R.	4/10/58	CRD
TIM-475	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Test, LSSA 11H2	Wunsch, W.	2/3/58	CRD
TIM-476	Forced Convection Liquid Metal Inpile Loop Pump Performance Characteristics	Nelson, C.	3/24/59	U
TIM-477	Titanium-316 Stainless Steel Forced Convection Lithium Corrosion Loop Test LTSE-3C3	Shaw, R.	5/29/58	CRD
TIM-478	Clad Columbium Forced Convection Lithium Corrosion Loop Test, LCCU-1A1	McCann, S.	3/14/58	CRD
TIM-479	Forced Convection Liquid Metal Inpile Loop Lower End Temperature Distribution and Heat Transfer Calculation	England, H.	7/28/58	U
TIM-479 (Supp. 1)	Forced Convection Liquid Metal Inpile Loop Lower End Temperature Distribution and Heat Transfer Calculation for the Mark II Ceramic Fuel Element Test Specimen	England, H.	4/1/59	CRD
TIM-479 (Supp. 2)	Forced Convection Liquid Metal Inpile Loop Lower End Temperature Distribution and Heat Transfer Calculation for the Mark IV Ceramic Fuel Element Test Specimen	Tarasewich, A.	3/10/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-479 (Supp. 3)	Forced Convection Liquid Metal Inpile Loop Lower End Tempera- ture Distribution and Heat Trans- fer Calculation for the Mark V Ceramic Fuel Element Test Specimen	Tarasewich, A.	3/25/60	CRD
TIM-480	Forced Convection Liquid Metal Inpile Loop Upper End Heat Transfer Analysis	Broyles, J.	4/2/59	U
TIM-481	Columbium Forced Convection Lithium Corrosion Loop Test LCCW-5C1	Skaritka, J.	7/8/58	CRD
TIM-482	Final Report of the Inpile Ther- mal Convection Loop Project	Parks, A.	2/21/58	U
TIM-483	Forced Convection Liquid Metal Inpile Loop Liquid Metal Pres- sure Drop Calculations	Johnson, C.	11/3/58	U
TIM-483 (Supp. 1)	NaK Pressure Drop Calculations for the P&W Forced Convection Liquid Metal Inpile Loop, PW-19 Incorporating the Mark II Ceramic Test Specimen	Ackermann, W.	4/14/59	U
TIM-484	Forced Convection Inpile Loop Air Cooling System Pressure Drop Calculations	Johnson, C.	6/16/59	U
TIM-485	Titanium Clad with Type 430 Stain- less Steel Forced Convection Lith- ium Corrosion Loop Test LTTB-1E1	Schmidt, D.	3/28/58	CRD
TIM-486	Forced Convection Liquid Metal Inpile Loop Critical Mockup Tem- perature Profile	England, H.	5/5/58	CRD
TIM-487	Forced Convection Liquid Metal Inpile Loop Water Pressure Drop and Heat Transfer Coefficients	Dypa, E.	5/25/59	U
TIM-489	Columbium Clad with Type 446 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LCCW-2A3 and LCCW-3A2	McCann, J.	2/3/59	CRD
TIM-490	Type 316 Stainless Steel Forced Convection Sodium Corrosion Loop Tests SSSA-1A1, SSSA-2C2, SSSA- 3C3, and SSSA-5F1	Shaw, R.	7/2/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-491	Titanium Clad with Type 430 Stainless Steel Forced Con- vection Lithium Corrosion Loop Test LTTB 2E2	Shaw, R.	8/25/58	CRD
TIM-492	Aluminum Coated Titanium Heated Leg-Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Test LTSD-1C1	Skaritka, J.	2/19/59	CRD
TIM-493	Type 310 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSD-1A1 and LSSD 2A2	Shaw, R.	3/21/58	CRD
TIM-494	Corrosion of Iron in Lithium Convection Loops	Maximowicz, H.	3/10/58	CRD
TIM-495	Corrosion of Molybdenum Ther- mal Convection Loops by Lithium	Donnolly, E.	3/11/58	CRD
TIM-496	Clad Titanium Heater Leg - Type 316 Stainless Steel Forced Convection Lithium Cor- rosion Loop Test, LTSF-1F1	McCann, J.	3/31/58	CDI
TIM-497	Zirconium Forced Convection Lithium Corrosion Loop Tests LZZB-1E1, LZZB-2E2 and LZZB-3E3	Skaritka, J.	5/22/58	CRD
TIM-498	Forced Convection Liquid Metal Inpile Loop General Specifica- tions for the NMI Fuel Element Test Specimen	England, H.	4/10/58	CRD
TIM-499	Forced Convection Liquid Metal Inpile Loop Liquid Metal Volume Calculation	Nelson, C.	9/26/58	U
TIM-499 (Supp. 1)	Forced Convection Liquid Metal Inpile Loop Liquid Metal Volume Calculation	Sutherland, J.	4/8/59	CRD
TIM-500	FT-10 Cold Run at Livermore	Mayes, R.	3/15/56	U
TIM-501	Remote Metallurgical Prepara- tion of Irradiated Thermal Con- nection Loop Samples at PWL	Cunniff, C.	2/29/56	U
TIM-502	The Use of Anion Exchange Resin for the Determination of Speci- fic Activity of Iron, Nickel, Chromium and Cobalt in Neutron Irradiated Inconel	Scotti, V.	5/18/56	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-503	The Radiochemical Determination of Corrosion Products in Irradiated Composition 30 Salt	Melaika, L.	6/7/56	U
TIM-505	Beryllium Shim Rod	Cunniff, C.	10/31/56	U
TIM-506	Remote Disassembly of Nuclear Development Associates Capsules	Cunniff, C.	5/23/57	U
TIM-507	Procedure for Fluorescent X-Ray Spectrographic Analysis on Radioactive Samples	Muller, J.	1/2/57	U
TIM-508	Strength Evaluation of 316 Stainless Steel Centrifugally Cast and Hydroforged Large Diameter Seamless Pipe	Rowe, G.	7/11/57	U
TIM-509	Instrumentation for X-Ray Diffraction Studies of Highly Radioactive Samples	Scotti, V.	10/24/58	U
TIM-510	Fluorescent X-Ray Analysis of Highly Radioactive Samples	Mueller, J.	10/27/58	U
TIM-552	Forced Convection Liquid Metal Inpile Loop Hydrodynamic Test of the Liquid Metal Circuit	Nelson, C.	12/5/58	U
TIM-552 (Supp. 1)	Forced Convection Liquid Metal Inpile Loop Hydrodynamic Test of the Liquid Metal Circuit	Nelson, C.	3/30/59	U
TIM-554	Forced Convection Liquid Metal Inpile Loop Lower End Hydrodynamic Test	Nelson, C.	4/30/58	U
TIM-554 (Supp. 1)	Forced Convection Liquid Metal Inpile Loop Lower End Hydrodynamic Test	Nelson, C.	2/24/59	CRD
TIM-555	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Tests, LSSB-1M1, 2L1, 4N1, 5P1, 6N2, 8N3, 9R1, 10N4	Wunsch, W.	9/10/58	CRD
TIM-556	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSK-1A1 and LSSK-3A2	Skaritka, J.	6/13/58	CRD
TIM-557	ETR Inpile Loop Stress Analysis	Minkle, J.	4/15/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-557 (Supp. A)	ETR Mark II Inpile Loop Stress Analysis	Minkle, J.	5/25/59	U
TIM-557 (Supp. B)	ETR Mark IV Inpile Loop Stress Analysis	West, H.	4/29/58	U
TIM-558	Activation, after Shutdown Dose, and Shielding for the P&WA ETR Inpile Loop	Woodsum, H.	4/11/58	U
TIM-558 (Supp. 1)	Effect of Fuel Element Rupture on Shielding Requirements for the P&WA ETR Inpile Loop	Woodsum, H.	5/16/58	CRD
TIM-558 (Supp. 2)	Effect of Co-Activation on Design of Coffin Shield for Inpile Loop	Woodsum, H.	4/23/59	U
TIM-559	Substitution of Aluminum for NaK in the Inpile Loop Mockup for the ETR Critical Assembly	Woodsum, H.	4/24/58	U
TIM-561	Iron Forced Convection Lithium Corrosion Loop Tests LIIB-2F1, LIIB-3E1, LIIB-4E2 and LIIB-5F2	Skaritka, J.	8/28/58	CRD
TIM-563	Columbium Clad with Type 446 Stainless Steel-Forced Convec- tion Lithium Corrosion Loop Tests LCCAF-1B2, 2A2, 3B1, 4A1, 5C1, 6B3	Shaw, R.	2/19/59	CRD
TIM-564	Columbium Clad with Type 446 Stainless Steel Forced Convec- tion Lithium Corrosion Loop Tests LCCAL-1A1	McMath, R.	8/20/58	CRD
TIM-565	Type 304 Stainless Steel Forced Convection Lithium Corrosion Loop Test LSSC-1A1 and LSSC-2A2	McMath, R.	8/25/58	CRD
TIM-566	Corrosion of Nickel Base Alloys by 1600 F Lithium	Donnelly, E.	9/9/58	CRD
TIM-567	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loops with Molybdenum-0.4% Titanium Heater Legs, LMSC- 1D1 and LMSC-2D2	McMath, R.	3/17/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-568	Type 321 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSE-1E1 and LSSE-5E2	McCann, S.	2/25/60	CRD
TIM-569	Clad Columbium Forced Convection Lithium Corrosion Loop Test, LCCAL-3C1	Shaw, R.	1/14/59	CRD
TIM-570	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSJ-2B3, 3B2, 4B1, 5B4, 7B7, 8B8, 9B6, 10B5, 11C1, 12C2	Shaw, R.	3/11/60	CRD
TIM-571	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen	Fine, A.	8/27/58	CRD
TIM-571 (Supp. 1)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen	Berenholz, J.	11/19/58	CRD
TIM-571 (Supp. 2)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen	Berenholz, J.	12/23/58	CRD
TIM-571 (Supp. 3)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen	Berenholz, J.	2/19/59	CRD
TIM-571 (Supp. 4)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen	Berenholz, J.	3/11/59	CRD
TIM-571 (Supp. 5)	Inpile Capsule Design for the Cermet Matrix, Fuel Element Test Specimen (Experiment PW18-310 Series)	Berenholz, J.	3/11/59	CRD
TIM-572	Inpile Capsule Design for the Cermet Matrix, Fuel Element Test Specimen	Berenholz, J.	9/23/58	CRD
TIM-572 (Supp. 1)	Inpile Capsule Design for the Cermet Matrix, Fuel Element Test Specimen	Berenholz, J.	11/4/58	CRD
TIM-573	Hastelloy X-Type 316 Stainless Steel Forced Convection Sodium Corrosion Loop Test, HXLM-3	Shaw, R.	9/23/58	U
TIM-574	Forced Convection Sodium Corrosion Loop Test ILM-1	Shaw, R.	9/24/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-575	Forced Convection Liquid Metal Inpile Loop Helium Pressure Calculations	Tarasewich, A.	5/8/59	U
TIM-575 (Supp. 1)	Forced Convection Liquid Metal Inpile Loop Helium Pressure Calculations	Mattrella, U.	12/9/59	U
TIM-576	A Fluorescent X-Ray Spectro- graphic Method of Analyzing Titanium-Columbium Alloys	Fornwalt, D.	10/7/58	U
TIM-577	A Method for the Spectro- graphic Determination of Trace Impurities in Columbium	Fornwalt, D.	10/7/58	U
TIM-578	Forced Convection Liquid Metal Inpile Loop Hot Spot Analysis	Vassallo, D.	2/25/59	U
TIM-579	Shielding of Exhaust Air Filters and Piping for the P&W Forced Con- vection Liquid Metal Inpile Loop	Vassallo, D.	10/29/58	U
TIM-580	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSK-2B2, LSSK-4B1, LSSK-5B3	Shaw, R.	5/15/59	CDI
TIM-581	Inpile Capsule Design for the Cer- amic Matrix, Fuel Element Test Specimen	Berenholz, J.	2/3/59	CRD
TIM-582	Type 347 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSF-1A1 and LSSF-2A2	Coyle, G.	11/6/58	CRD
TIM-583	Experimental Determination of Head Loss Coefficients for Strut-Frame-Type Heat Exchanger Tube Supports	Knudsen, L.	7/17/59	U
TIM-584	Forced Convection Liquid Metal Inpile Loop, General Specifi- cations for the Mark II Fuel Element Test Specimen	Farquhar, J.	11/25/58	CRD
TIM-585	Forced Convection Liquid Metal Inpile Loop Critical Mockup Tem- perature Profile for the Mark II Fuel Element Test Specimen	Farquhar, J.	11/28/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-586	Literature Survey of the Oxidation of Uranium Oxides	Mueller, J.	11/15/58	U
TIM-587	Alloy A-286 Forced Convection Lithium Corrosion Loop Tests LSSH-1A1 and LSSH-3A2	Smith, A.	12/2/58	CRD
TIM-588	Type 316 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LSSM-4A1, LSSN-3A3, LSSN-2A2 and LSSN-4A1	Smith, R.	1/5/59	CDI
TIM-589	Inpile Capsule Design for the Cermet Matrix, Fuel Element Test Specimen (Experimental PW18-270 and 290 Series)	Berenholz, J.	2/20/59	CRD
TIM-590	Mechanical Wall Thickness Gauge for Small Diameter Tubing	Cooper, M.	2/19/59	U
TIM-592	Type 316 Stainless Steel Inpile Forced Convection Liquid Metal Corrosion Tests; NSSA-1A1, NSSA-2A2, NSSB-1A1, and NSSB-3A3	Coyle, G.	12/16/58	U
TIM-593	Bending of a Cylinder Subjected to a Circumferential Line Load	Meck, H.	1/6/59	U
TIM-594	Forced Convection Liquid Metal Inpile Loop General Specifications for the Mark III Fuel Element Test Specimen	Sutherland, J.	1/28/59	CRD
TIM-595	Forced Convection Liquid Metal Inpile Loop Critical Mockup Temperature Profile for the Mark III Fuel Element Test Specimen	Sutherland, J.	2/19/59	CRD
TIM-596	Clad Tantalum Insert in Type 347 Stainless Steel Forced Convection Lithium Corrosion Loop Test, LTSM-1A1	McCann, J.	3/5/59	CRD
TIM-597	Zirconium Forced Convection Lithium Corrosion Loop Tests LZZB-5D2 and ZAAB-4D1	Smith, A.	10/15/59	CRD
TIM-598	Analysis of Pressure Drop in a Butterfly Valve	Blecher, W.	2/26/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-599	One Dimensional Approximation to the Efficiency of Bi-Metallic Circular Fins	Kvick, P.	2/27/59	U
TIM-600	Columbium Clad with Type 446 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LCCAG-1A3, 2B1, 3A1, and 4A2	McCann, J.	5/11/60	CRD
TIM-601	Type 430 Stainless Steel Clad Columbium Forced Convection Lithium Corrosion Loop Tests, LCCAE-1A1 and LCCAE-2A2	Wunsch, W.	5/12/59	CRD
TIM-602	Forced Convection Liquid Metal Inpile Loop Hazards Evaluation, Part I	Vassallo, D.	6/11/59	U
TIM-602 (Part 2)	Forced Convection Liquid Metal Inpile Loop Hazards Evaluation, Part II	Vassallo, D.	7/29/59	CRD
TIM-603	Type 446 Stainless Steel Clad Columbium-Zirconium Alloy Forced Convection Lithium Corrosion Loop Tests LCCAJ-1A1-2B1	Shaw, R.	6/16/59	CRD
TIM-606	Inpile Capsule Redesign Features	Parks, H.	8/29/59	CRD
TIM-606 (Supp. 1)	Additional Inpile Capsule-Redesign Features (PW-21 and PW-22 Series)	Parks, A.	9/3/59	U
TIM-608	Out-of-Pile Tests of Inpile Capsule Fuel Element Claddings	Doak, R.	5/21/59	CRD
TIM-609 (Supp. 1)	Power Determinations for Ceramic Fuel Elements Exposed in the ETR Critical Assembly	Smolen, J.	9/2/59	CRD
TIM-610	Temperature Distribution in the Mark II Fuel Element Test Specimen	Sanders, A.	6/2/59	CRD
TIM-611	Gamma Spectrum Analysis of Uranium	Bilharz, O.	5/15/59	U
TIM-612	A Pneumatic Linear Actuator for a Turbopump Control Valve	Naples, P.	7/21/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-613	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-10 Series)	Ackermann, W.	8/4/59	CRD
TIM-613 (Supp. 1)	Inpile Capsule Design for the Fuel Element Test Specimen (Ceramic Matrix) for Test in Lithium at 2000 F (PW 21-30 Series)	Ackermann, W.	2/16/60	CRD
TIM-613 (Supp. 2)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-110 Series)	Ackermann, W.	2/22/60	CRD
TIM-613 (Suppl 3)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-270 and PW 21-290 Series)	Ackermann, W.	7/15/60	CRD
TIM-613 (Supp. 4)	Inpile Capsule Design for the Cermet Matrix, Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-300 Series)	Ackermann, W.	9/9/60	SRD
TIM-613 (Supp. 5)	Inpile Capsule Design for the Fuel Element Test Specimen in Lithium at 2000 F (PW 21-400 Series)	Ackermann, W.	2/23/61	SRD
TIM-613 (Supp. 6)	Inpile Capsule Design for the Ceramic Matrix, Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-120 Series)	Matrella, U.	6/22/61	CRD
TIM-613 (Supp. 7)	Inpile Capsule Design of the Cermet Matrix, Fuel Element Test Specimen for Test in Lithium (PW 21-310 Series)	Matrella, U.	11/30/61	CRD
TIM-614	Forced Convection Liquid Metal Inpile Loop General Specifications for the Mark IV Fuel Element	Reynolds, J.	9/15/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-615	Modification of Double Vane Pneumatic Rotary Actuator for Bendix Turbopump to Single Vane	Naples, P.	9/3/59	U
TIM-617	Summary Report on the CCA-2 (A-D) Experimental Program	Callen, R.	10/23/59	CRD
TIM-618	Evaluation of Various Sources of Potential Nuclear Fuel Materials	Ghetto, A.	9/24/59	CRD
TIM-619	Forced Convection Liquid Metal Inpile Loop Nuclear Mock-up	Vassallo, D.	9/15/59	CRD
TIM-620	Inpile Loop Nuclear Mock-Up Calculations	Smolen, J.	10/19/59	CRD
TIM-621	Forced Convection Liquid Metal Inpile Loop Hydrodynamic Test of the Liquid Metal Circuit and Mark IV Fuel Element Test Specimen	Nelson, C.	10/5/59	CRD
TIM-621 (Supp. 1)	Forced Convection Liquid Metal High Temperature Bypass Inpile Loop Hydrodynamic Tests of the Liquid Metal Circuit and Mark V Fuel Element Assembly	Mattrella, U.	6/7/60	CRD
TIM-622	Inpile Capsule Design for the Ceramic Matrix Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-70 Series)	Ackermann, W.	10/9/59	CRD
TIM-622 (Supp. 1)	Inpile Capsule Design of the Ceramic Matrix Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 21-85 Series)	Mattrella, U.	7/11/61	CRD
TIM-623	Columbium Clad with Type 446 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LCCAN-1A1-3A3	Ellington, R.	12/10/59	CRD
TIM-625	Operating and Irradiation History of the PW 19-1 Forced Convection Liquid Metal Inpile Loop	Milich, J.	3/2/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-626	Colmonoy #70 Coated Columbium .6% Zirconium Forced Convection Lithium Loop LCCH-2G2	Smith, A.	3/23/60	CRD
TIM-627	Forced Convection Liquid Metal Inpile Loop Hot Bench Test Operation	James, R.	3/11/60	U
TIM-631	Inpile Capsule Design for the Irradiation of the Zirconium Diboride Material Test Specimen in NaK at 1750 F (PW 22-10 Series)	Ackermann, W.	5/26/60	CRD
TIM-632	Type 446 Stainless Steel Clad Pure Columbium Forced Convec- tion Lithium Corrosion Loop Tests, LCCAS-1A3, LCCAS-2A5 and LCCAS-3A4	Bersin, G.	5/10/61	CRD
TIM-633	Correlation between Cladding Surface Temperature, Thermo- couple Temperature, and Electri- cal Heater Power for the PW 21- 10 and PW 21-70 Series Capsule Design	Ackermann, W.	8/17/60	CRD
TIM-633 (Supp. 1)	Correlation between Cladding Wall Temperature, Thermocouple Temperature, and Electrical Heater Power for the PW 26-10, PW 26-100, and PW 26-200 Series of Inpile Capsule Designs	Ackermann, W.	5/8/62	U
TIM-635	Columbium Clad with Stainless Steel Forced Convection Lithium Corrosion Loop Tests LCCBB - 5A7, 6A9, 7A4, 8A5, 9B1, 10B2	Ellington, R.	8/18/60	CRD
TIM-637	Scintillation Spectrometry Methods for Obtaining Gamma Energy Spectra	Bilharz, O.	7/11/60	U
TIM-638	Columbium-1 Zirconium Clad with Type 430 Stainless Steel Forced Convection Lithium Corrosion Loop Tests LCCAG- 5A7, 6B4, 7B5, 8A8, 18D1	Werner, L.	5/18/61	CRD
TIM-639	Calibration and Operation of Pin Venting Apparatus	Cooper, M.	8/9/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-641	Estimation of Liquid Metal Heat Transfer Coefficients for Flow Parallel to Tubes by the Mass Transfer-Heat Transfer Analogy	Cooper, M.	10/4/60	CRD
TIM-642	Statistical Evaluation of Proposed Methods from Chemical Control of Uranium Inventories During Fuel Element Production	Holbart, E.	8/18/60	CRD
TIM-643	Investigation of Erosion of Cb-1 Zr Alloy Orifices by Flowing Lithium	Howlett, R.	1/10/61	CRD
TIM-644	Columbium Alloy Clad with Type 430 Stainless Steel Forced Convection Lithium Corrosion Loop Tests (LCCBB-1A1 and 2A2)	Bourdon, P.	10/27/60	CRD
TIM-645	Catastrophic Oxidation: With Particular Reference to Type 316 Stainless Steel	Krutenat, R.	2/7/61	U
TIM-646	Post-Irradiation Examination of PW19-1 Forced Convection Loop	Ward, E.	2/15/61	CRD
TIM-646 (Supp. 1)	Post-Irradiation Examination of PW 19-1 Forced Convection Loop	Farmelo, D.	6/8/61	CRD
TIM-647	Operation and Irradiation History of the PW 19-4 Forced Convection Liquid Metal Inpile Loop	Parks, A.	5/11/61	CRD
TIM-648	Proposed Modifications to a Turbojet Chemical Fuel Control to Compensate for Nuclear Heat Addition	Beltracchi, L.	2/6/61	U
TIM-649	Performance and Endurance Test of Moore Model 15 LM Pressure Transmitter	Fanciullo, S.	3/21/61	U
TIM-651	The Stability of Some Metallic Oxides, Carbides and Nitrides to Liquid Lithium at 800°K and 1500°K	Kapelner, S.	3/14/61	U
TIM-652	Stainless Steel Clad Columbium-1 Zirconium Forced Convection Lithium Corrosion Loop Tests LCCAF-7A3, 8E4	Anderson, B.	4/20/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-653	Bimetallic Forced Convection NaK Corrosion Loop Tests, NCSC-3A1, 4A2, 5B1, 6B2	Rieb, M.	4/20/61	CRD
TIM-654	Haynes Alloy No. 25 Forced Con- vection NaK Corrosion Loop Tests NHHA-1A1, 2A2, 3B1, and 5B2	Ellington, R.	6/2/61	CRD
TIM-655	Type 316 Stainless Steel Forced Convection NaK Corrosion Loop Tests, NSSC-1A1, 2A2	Rieb, M.	5/18/61	U
TIM-656	Bimetallic Forced Convection NaK Corrosion Loop Tests NCHA- 1A1 and 2A2	Ellington, R.	5/22/61	CRD
TIM-657	Type 446 Stainless Steel Clad Columbium-Zirconium Alloy Forced Convection Lithium Corrosion Loop Tests LCCAS-4A1, 5A2, 6A6	Bersin, G.	6/6/61	CRD
TIM-658	Columbium and Columbium-Zirconium Alloy Forced Convection Lithium Corrosion Loop Tests LCCT-2B1, 3B2, 6C4 and 7C5	Bersin, G.	7/11/61	CRD
TIM-659	Columbium-20% Titanium Alloy Forced Convection Loop Tests LCCAR-1A1, 2A2, 3C2, and 4B1	Rieb, M.	6/2/61	CRD
TIM-660	Columbium-Zirconium Alloy Forced Convection Lithium Loop Tests LCCAZ-1A2, 2A1, 3A3, 5A5, 9A7, 10A6, 13A9 and 14A8	Rieb, M.	7/11/61	CRD
TIM-661	Columbium-1 Zirconium Forced Convection Lithium Corrosion Loop Tests LCCT-5D1 and LCCAZ- 17C1	Bersin, G.	7/19/61	CRD
TIM-662	Columbium Clad with Type 446 Stainless Steel Forced Con- vection Lithium Corrosion Loop Test LCCAG-9A5, 11A4, 12A6, 14C1	Buatti, A.	5/24/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-664	An Electronic Analog Computer Representation of a Generalized Turbojet Engine Compressor Map	Waldman, E.	4/25/61	U
TIM-665	Control System Analysis of PWAR-11C Heat Rejection System	McKiernan, P.	6/2/61	CDI
TIM-666	PWAR-11C Reactor Experiment Control System Analysis	Cole, P.	5/11/61	CRD
TIM-667	Performance and Endurance Test of Taylor NaK Filled Volumetric Pressure Transmitter in Lithium	Backmann, H.	6/2/61	U
TIM-668	Investigation of Speed Transducers for Reactor Usage	Fanciullo, S.	5/25/61	U
TIM-668 (Supp. 1)	Investigation of Speed Transducers for Reactor Usage	Fanciullo, S.	7/10/61	U
TIM-668 (Supp. 2)	Investigation of Speed Transducers for Reactor Usage	Nystrom, R.	6/22/62	U
TIM-669	Investigation of Vibration Transducers for Reactor Usage	Fanciullo, S.	5/3/61	U
TIM-670	Investigation of Gas Control Valves for Reactor Usage	Fanciullo, S.	6/5/61	U
TIM-671	Post-Irradiation Examination of PW19-4 Forced Convection Loop	Passeri, A.	6/9/61	CRD
TIM-672	Preamplifier Circuits for PWAR-11C	Manganelli, F.	6/23/61	U
TIM-673	PWAR-11C Sub-Critical Neutron Flux Sensor	Harrison, R.	5/9/61	U
TIM-674	PWAR-11C Startup Range Neutron Flux Sensor	Patalon, W.	6/22/61	U
TIM-675	PWAR-11C Intermediate and Power Range Neutron Flux Sensors	Patalon, W.	6/27/61	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-653	Bimetallic Forced Convection NaK Corrosion Loop Tests, NCSC-3A1, 4A2, 5B1, 6B2	Rieb, M.	4/20/61	CRD
TIM-654	Haynes Alloy No. 25 Forced Con- vection NaK Corrosion Loop Tests NHHA-1A1, 2A2, 3B1, and 5B2	Ellington, R.	6/2/61	CRD
TIM-655	Type 316 Stainless Steel Forced Convection NaK Corrosion Loop Tests, NSSC-1A1, 2A2	Rieb, M.	5/18/61	U
TIM-656	Bimetallic Forced Convection NaK Corrosion Loop Tests NCHA- 1A1 and 2A2	Ellington, R.	5/22/61	CRD
TIM-657	Type 446 Stainless Steel Clad Columbium-Zirconium Alloy Forced Convection Lithium Corrosion Loop Tests LCCAS-4A1, 5A2, 6A6	Bersin, G.	6/6/61	CRD
TIM-658	Columbium and Columbium-Zirconium Alloy Forced Convection Lithium Corrosion Loop Tests LCCT-2B1, 3B2, 6C4 and 7C5	Bersin, G.	7/11/61	CRD
TIM-659	Columbium-20% Titanium Alloy Forced Convection Loop Tests LCCAR-1A1, 2A2, 3C2, and 4B1	Rieb, M.	6/2/61	CRD
TIM-660	Columbium-Zirconium Alloy Forced Convection Lithium Loop Tests LCCAZ-1A2, 2A1, 3A3, 5A5, 9A7, 10A6, 13A9 and 14A8	Rieb, M.	7/11/61	CRD
TIM-661	Columbium-1 Zirconium Forced Convection Lithium Corrosion Loop Tests LCCT-5D1 and LCCAZ- 17C1	Bersin, G.	7/19/61	CRD
TIM-662	Columbium Clad with Type 446 Stainless Steel Forced Con- vection Lithium Corrosion Loop Test LCCAG-9A5, 11A4, 12A6, 14C1	Buatti, A.	5/24/61	CRD
TIM-663	Columbium-1 Zirconium Alloy Forced Convection Lithium Corrosion Loop Tests LCCBK- 2A2, 3A3, and 4A4	Bersin, G.	9/12/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-664	An Electronic Analog Computer Representation of a Generalized Turbojet Engine Compressor Map	Waldman, E.	4/25/61	U
TIM-665	Control System Analysis of PWAR-11C Heat Rejection System	McKiernan, P.	6/2/61	CDI
TIM-666	PWAR-11C Reactor Experiment Control System Analysis	Cole, P.	5/11/61	CRD
TIM-667	Performance and Endurance Test of Taylor NaK Filled Volumetric Pressure Transmitter in Lithium	Backmann, H.	6/2/61	U
TIM-668	Investigation of Speed Transducers for Reactor Usage	Fanciullo, S.	5/25/61	U
TIM-668 (Supp. 1)	Investigation of Speed Transducers for Reactor Usage	Fanciullo, S.	7/10/61	U
TIM-668 (Supp. 2)	Investigation of Speed Transducers for Reactor Usage	Nystrom, R.	6/22/62	U
TIM-669	Investigation of Vibration Transducers for Reactor Usage	Fanciullo, S.	5/3/61	U
TIM-670	Investigation of Gas Control Valves for Reactor Usage	Fanciullo, S.	6/5/61	U
TIM-671	Post-Irradiation Examination of PW19-4 Forced Convection Loop	Passeri, A.	6/9/61	CRD
TIM-672	Preamplifier Circuits for PWAR-11C	Manganelli, F.	6/23/61	U
TIM-673	PWAR-11C Sub-Critical Neutron Flux Sensor	Harrison, R.	5/9/61	U
TIM-674	PWAR-11C Startup Range Neutron Flux Sensor	Patalon, W.	6/22/61	U
TIM-675	PWAR-11C Intermediate and Power Range Neutron Flux Sensors	Patalon, W.	6/27/61	U
TIM-676	PWAR-11C Cryogenic Trap Fission Gas Monitoring System	Patalon, W.	6/26/61	U
TIM-677	PWAR-11C Gamma Radiation Dose Measuring System	Myers, J.	7/11/61	U
TIM-678	PWAR-11C Radiation Spectrum Measuring System	Myers, J.	7/11/61	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-679	PWAR-11C High Temperature and Radiation Resistant Coaxial Cables	Patalon, W.	7/21/61	U
TIM-680	Calibration of PWAR-11C Magnetic Flowmeters	Backmann, H.	6/9/61	U
TIM-681	Development of Thermocouples for PWAR-11C Experiment	Holmes, R.	8/22/61	U
TIM-682	Development of Liquid Metal Level Sensors	Holmes, R.	10/19/61	U
TIM-683	Quadratic Fits to the Energy, Dose and Energy Absorption Buildup Factors	Enos, G.	5/23/61	U
TIM-684	An X-Ray Diffraction Study of Oxides of Columbium and Columbium Alloys	Fornwalt, D.	10/11/61	CRD
TIM-685	Summary Report on the CCA-2G Experimental Program	Callen, R.	6/20/61	CRD
TIM-687	Analytical Evaluation of the Shielding Properties of Borated Zirconium Hydride	Woodsum, H.	7/13/61	CRD
TIM-688	Tables of the Gamma Air Scattering Function for Cosm Angular Distributions	Ingenito, F.	12/28/61	CRD
TIM-689	Volumetric Determination of Uranium in the Presence of Columbium Utilizing a Bismuth Metal Reductor	Jaworowski, R.	6/8/61	U
TIM-690	Lid Tank Experiment 79 Data From the PWAR-11C Slab Mock Up Shield Experiment	Larson, A.	8/17/61	CRD
TIM-691	Some Analysis of Lid Tank Experiment 79	Smolen, J.	9/29/61	CRD
TIM-694	Inpile Capsule for Thermocouple Calibration: PW 25 Series	Butler, E.	6/22/61	U
TIM-695	High Temperature Shield Materials Preliminary Studies	Wallace, M.	7/18/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-696	An Investigation of the Ternary System, Cb-Li-O	Fornwalt, D.	7/5/61	U
TIM-697	The Determination of the Quality of Potassium Vapor	Odom, P.	8/31/61	U
TIM-698	A Cermet Fuel: Status Report	Miller, A.	7/27/61	SRD
TIM-699	Inpile Capsule Design of the Fuel Element Test Specimen for Test in Lithium at 2000 F (PW 26-10 Series)	Ackermann, W.	10/20/61	CRD
TIM-699 (Supp. 1)	Inpile Capsule Design of the Fuel Element Test Specimen for Test in Lithium (PW 26-100 Series)	Ackermann, W.	2/8/62	CRD
TIM-699 (Supp. 2)	Inpile Capsule Design of the Fuel Element Test Specimen for Test in Lithium (PW 26-200 Series)	Mattrella, U.	3/14/62	CRD
TIM-699 (Supp. 3)	Inpile Capsule Design of the Fuel Element Test Specimen for Test in Lithium (PW 26-50 Series)	Butler, E.	3/23/62	CRD
TIM-699 (Supp. 4)	Inpile Capsule Design of the Fuel Element Test Specimen for Test in Lithium (PW 26-30 Series)	Butler, E.	5/9/62	CRD
TIM-700	Irradiation Test of Various Thermocouple Connectors	Fanciullo, S.	8/16/61	U
TIM-701	The Development of a Colum-bium Cerium Electrode for the Melting and Welding of Colum-bium and Columbium Base Alloys in Vacuum	Aconsky, S.	11/3/61	U
TIM-702	Nomogram for Calculation of Radiation Heat Transfer Between Concentric Cylinders	Beltracchi, L.	9/19/61	U
TIM-703	Preliminary Analog Study of the Dynamics of the PWAR-16 and 18 Reactor Systems	Gagnon, R.	10/31/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-704	An Analog Study of PWAR-16 and PWAR-18 Reactor Start-Up and the Start-Up Accident	Gagnon, R.	10/27/61	CRD
TIM-705	Dithiol Spectrophotometric Determination of Molybdenum and Tungsten in Columbium	Hobart, E.	10/19/61	U
TIM-706	Valve Performance Test Report	Gould, G.	11/1/61	U
TIM-707	Elimination of Galling in Cb-1% Zr Screw Threads	Plevyak, T.	11/27/61	CRD
TIM-708	Data Book on Reactor Design PWAR-16 Experiment	Bronke, V.	2/16/62	CRD
TIM-710	Electronic Analog Study of the PWAR-16 Reactor System	Beltracchi, L.	4/10/62	CRD
TIM-711	NaK Sampling of Engineering Test Rigs	Woodward, C.	2/23/62	U
TIM-712	Statistical Evaluation of Revised Methods for Chemical Control of Uranium Inventories during Fuel Element Production	Hobart, E.	4/24/62	CRD
TIM-712 (Supp. 1)	Statistical Evaluation of Revised Methods for Chemical Control of Uranium Inventories During Fuel Element Production-Sampling	Hobart, E.	5/17/62	CRD
TIM-713	Inpile Capsule for Thermocouple Calibration: PW 25-30 Series	Butler, E.	5/23/62	U
TIM-714	A Method for the Spectrographic Determination of Trace Impurities in Beryllium Oxide	Lean, E.	5/17/62	U
TIM-715	Inpile Capsule Design of the 305 Mil O.D. Fuel Element Test Specimen for Test in Lithium (PW 26-40 Series)	Ackermann, W.	9/14/62	CRD
TIM-715 (Supp. 1)	Inpile Capsule Design of the 31s Mil O.D. Fuel Element Test Specimen for Test in Lithium (PW 26-210 Series)	Butler, E.	9/30/62	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-715 (Supp. 2)	Inpile Capsule Design of the Uranium Carbide Fuel Element Test Specimen for Test in Lithium (PW 26-150 Series)	Ackermann, W.	10/4/62	CRD
TIM-715 (Supp. 3)	Inpile Capsule Design of the Uranium Nitride Fuel Element Test Specimen for Test in Lithium (PW 26-220 Series)	Butler, E.	10/24/62	CRD
TIM-715 (Supp. 4)	Inpile Capsule Design of the Uranium Carbide Fuel Element Test Specimen for Test in Lithium (PW 26-170 Series)	Ackermann, W.	10/16/62	CRD
TIM-715 (Supp. 4) (Rev. 1)	Inpile Capsule Design of the Uranium Carbide Fuel Element Test Specimen for Test in Lithium (PW 26-170 Series)	Ackermann, W.	12/27/62	CRD
TIM-715 (Supp. 5)	Inpile Capsule Design of the Uranium Carbide Fuel Element Test Specimen for Test in Lithium (PW 26-190 Series)	Ackermann, W.	10/5/62	CRD
TIM-715 (Supp. 6)	Inpile Capsule Design of the 305 Mil OD Fuel Element Test Specimen for Test in Lithium (PW 26-60)	Mattrella, U.	11/21/62	CRD
TIM-715 (Supp. 7)	Inpile Capsule Design of the Uranium Nitride Fuel Element Test Specimen for Test in Lithium (PW 26-230)	Butler, E.	11/20/62	CRD
TIM-715 (Supp. 8)	Inpile Capsule Design of the Uranium Carbide Fuel Element Test Specimen for Test in Lithium (PW 26-160 Series)	Butler, E.	12/6/62	CRD
TIM-715 (Supp. 9)	Inpile Capsule Design of the Uranium Carbide Fuel Element Test Specimen for Test in Lithium (PW 26-180)	Butler, E.	1/3/63	CRD
TIM-715 (Supp. 10)	Inpile Capsule Design of the Uranium Nitride Fuel Element Test Specimen for Test in Lithium (PW 26-240)	Mattrella, U.	3/12/63	CRD
TIM-715 (Supp. 11)	Inpile Capsule Design of the 305 Mil OD Fuel Element Test Specimen for Test in Lithium (PW 26-80)	Mattrella, U.	4/23/63	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-716	Investigation of Radiation Effects on Glass Capacitors Made by Corning Glass Works of Brandford, Pennsylvania	Fanciullo, S.	7/6/62	U
TIM-718	Evaluation of a Sampling Technique and a Plugging Plate Instrument for Determination of Oxygen in NaK	Woodward, C.	8/8/62	U
TIM-719	Russian Liquid-Metal Instrumentation	Bliss, P.	7/27/62	U
TIM-720	The Determination of Oxygen in Lithium	Jaworowski, R.	10/2/62	U
TIM-721	Cavitation Research in Mixed Flow Centrifugal Pumps	Wood, G.	10/12/62	U
TIM-722	Liquid Metal Bearings for Space Powerplant Applications	Odom, H.	10/15/62	U
TIM-724	Electronic Analog Study of the LCRE System	Beltracchi, L.	2/7/63	CRD
TIM-726	Design, Operation and Posttest Evaluation of Bimetallic Two Loop System LNCSA-1	Lympheres, C.	5/9/63	CRD
TIM-728	Flux Sensor Inpile Test Unit Design	Mroczka, E.	7/25/63	U
TIM-729	T/C Preamplifier for LCRE Electronics	Bennett, D.	5/21/63	CRD
TIM-730	Differential Amplifier for LCRE Electronics Job No. 128-1280	Watral, J.	5/21/63	U
TIM-731	ETR Core Capsule Design for Irradiating Fuel in a Fast Flux Environment (PW 28-10 Series)	Ackermann, W.	8/1/63	CRD
TIM-739	SCR Static Contactor Job No. FED 128-309	Banic, C.	1/23/64	U
TIM-740	Contactor Controller Job No. FED 128-308	Banic, C.	12/11/63	U
TIM-741	Buffer and Two AND Logic Units-Job No. FED 128-203 - FED 128-204	Banic, C.	1/20/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-742	Buffer and OR Logic Units - Job No. FED 128-205, FED 128- 206	Banic, C.	3/3/64	U
TIM-743	"P" Area Power Panel - Job No. 128-135	Banic, C.	10/17/63	U
TIM-744	Scram Bus Fault Monitor - Job No. FED 128-117	Banic, C.	12/6/63	U
TIM-746	FLIP, An IBM 7090 Diffusion Theory Leakage Iteration Pro- gram, Based on AIM-6	Mynatt, F.	8/1/63	U
TIM-747	Micro-Current Generator- Job No. 128-201	Marsh, J.	12/6/63	U
TIM-748	Annunciator Relay Unit Job No. FED 128-207	Banic, C.	4/14/64	U
TIM-749	Buffer Amplifier - Job No. FED 128-211	Banic, C.	7/2/64	U
TIM-751	Safety Signal D.C. Power Supply - Job #128 - 116	Marsh, J.	10/17/63	U
TIM-752	Alarm Lights	Banic, C.	4/24/64	U
TIM-753	Amplifier Burnout Trip for LCRE-Electronics Job No. 128- 136	Bennett, D.	10/11/63	U
TIM-754	Control Valve Investigation for the LCRE	Fanciullo, S.	12/6/63	U
TIM-755	Pressure Transmitter Investi- gation for LCRE	Fanciullo, S.	1/16/64	U
TIM-756	Pressure Switch Investigation for the LCRE	Fanciullo, S.	9/10/63	U
TIM-757	Pressure Regulator Investiga- tion for the LCRE	Fanciullo, S.	9/10/63	U
TIM-758	Investigation of Speed Trans- ducers for Reactor Usage	Fanciullo, S.	1/16/64	U
TIM-759	E.M. Flowmeter Investigation for the LCRE	Fanciullo, S.	10/30/63	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-760	Pressure Gage Investigation for LCRE Usage	Fanciullo, S.	9/12/63	U
TIM-761	Solenoid Valve Investigation for LCRE Usage	Fanciullo, S.	10/30/63	U
TIM-762	Gas Flowmeter Investigation for the LCRE	Fanciullo, S.	9/12/63	U
TIM-763	Flowswitch Investigation for the LCRE	Fanciullo, S.	9/18/63	U
TIM-765	Preliminary Study of SNAP-50/SPUR Powerplant Controls	Gagnon, R.	1/21/64	CRD
TIM-765 (Supp. 1)	Electronic Analog Study of the Loss of One Radiator Out of Four on the SNAP-50/SPUR Powerplant	Gagnon, R.	1/14/64	CRD
TIM-766	Testing of Four Inch Pressure Vessels No. 9 and No. 10	Vitali, V.	12/6/63	CRD
TIM-767	Irradiation and Examination Report of Capsule PW 26-41	Loethen, A.	12/6/63	CRD
TIM-767 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-42	Frank, J.	12/6/63	CRD
TIM-767 (Supp. 2)	Irradiation and Examination Report of Capsule PW 26-45	Frank, J.	10/17/63	CRD
TIM-767 (Supp. 3)	Irradiation and Examination Report of Capsule PW 26-40	Frank, J.	5/26/64	CRD
TIM-768	LCRE Instrument Check Source Location Mock-Up	Murdock, W.	9/24/63	U
TIM-769	Irradiation and Examination Report of Capsule PW 26-15	Frank, J.	12/6/63	CRD
TIM-769 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-18	Frank, J.	12/10/63	CRD
TIM-769 (Supp. 2)	Irradiation and Examination Report of Capsule PW 26-16	Frank, J.	8/12/64	CRD
TIM-769 (Supp. 3)	Irradiation and Examination Report of Capsule PW 26-10	Frank, J.	8/14/64	CRD
TIM-770	Irradiation and Examination Report of Capsule PW 26-170	Frank, J.	10/23/63	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-770 (Supp. 1)	Irradiation and Examination Report of Capsule #PW 26-170C	Frank, J.	6/29/64	CRD
TIM-770 (Supp. 2)	Irradiation and Examination Report of Capsule #PW26-171	Frank, J.	1/17/64	CRD
TIM-770 (Supp. 3)	Irradiation and Examination Report of Capsule #PW 26-174	Carlson, C.	9/4/64	CRD
TIM-770 (Supp. 4)	Irradiation and Examination Report of Capsule PW 26-173	Carlson, C.	10/20/64	CRD
TIM-771	Doppler Temperature Coeffi- cient of Reactivity for the LCRE Reactor	Campe, K.	9/12/63	CRD
TIM-773	The LCRE Reactor Control System Buffer Amplifier Job No. FED 128-125	Banic, C.	5/5/64	U
TIM-774	The LCRE Reactor Control System Compensation Ampli- fier Job No. FED-128-223	Banic, C.	7/30/64	CRD
TIM-780	Inpile Capsule Design Report for UC Fuel Element Specimens (PW 26-500 Series)	Butler, E.	12/9/63	CRD
TIM-780 (Supp. 1)	Inpile Capsule Design Report for UC Fuel Element Specimens (Type 18A) Operating at 2000 F and 0.40 Kw/cc	Butler, E	1/29/64	CRD
TIM-780 (Supp. 2)	Inpile Capsule Design Report for Fuel Element Specimens (Type 18A)	Butler, E.	2/4/64	CRD
TIM-780 (Supp. 3)	Inpile Capsule Design Report for Fuel Specimens (Type 18D) Operating at 2000 F	Butler, E.	2/20/64	CRD
TIM-780 (Supp. 4)	Inpile Capsule Design Report for Fuel Specimens (Type 18D)	Butler, E.	2/21/64	CRD
TIM-780 (Supp. 5)	Inpile Capsule Design Report for Fuel Specimens (Type 18D)	Butler, E.	2/25/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-780 (Supp. 6)	Inpile Capsule Design Report for Fuel Specimens (Type 18D) Operating at 2000 F	Butler, E.	3/3/64	CRD
TIM-780 (Supp. 7)	Inpile Capsule Design Report for a Fuel Specimen (Type 19B)	Black, J.	4/7/64	CRD
TIM-780 (Supp. 8)	Inpile Capsule Design Report for a Fuel Specimen (Type 19C)	Black, J.	4/13/64	CRD
TIM-780 (Supp. 8) (Rev. 1)	Replacement of Figure 1 of TIM 780, Supp. 8	Black, J.	5/5/64	CRD
TIM-780 (Supp. 9)	Inpile Capsule Design Report for a Fuel Specimen (Type 19D)	Black, J.	4/14/64	CRD
TIM-780 (Supp. 9) (Rev. 1)	Replacement of Figure 1 of TIM 780, Supp. 9	Black, J.	5/5/64	CRD
TIM-780 (Supp. 10)	Inpile Capsule Design Report for a Fuel Specimen (Type 19E)	Black, J.	4/14/64	CRD
TIM-780 (Supp. 10) (Rev. 1)	Replacement of Figure 1 of TIM 780, Supp. 10	Black, J.	5/5/64	CRD
TIM-781	Inpile Capsule Design Report for Fuel Element Specimens (Type 18B)	Butler, E.	1/22/64	CRD
TIM-781 (Supp. 1)	Inpile Capsule Design Report for Fuel Element Specimens (Type 18B)	Butler, E.	2/10/64	CRD
TIM-781 (Supp. 2)	Inpile Capsule Design Report for Fuel Specimens (Type 18C)	Butler, E.	2/13/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-781 (Supp. 2) (Attach. 1)	Correction to Fig. 8 of TIM-781, Supp. 2	Thoms, K.	3/5/64	CRD
TIM-781 (Supp. 3)	Inpile Capsule Design Report for Fuel Specimens (Type 18C)	Butler, E.	2/17/64	CRD
TIM-781 (Supp. 4)	Inpile Capsule Design Report for Fuel Specimens (Type 18C)	Butler, E.	2/26/64	CRD
TIM-781 (Supp. 5)	Inpile Capsule Design Report for Fuel Specimens (Type 18C)	Butler, E.	2/28/64	CRD
TIM-782	Inpile Capsule Design Report for Fuel Specimens Types 19H - 19L	Mattrella, U.	6/1/64	CRD
TIM-782 (Supp. 1)	Inpile Capsule Design Report for Fuel Specimens Types 19H- 19L	Mattrella, U.	10/29/64	CRD
TIM-782 (Supp. 2)	Inpile Capsule Design Report for Fuel Specimens Types 19H- 19L	Mattrella, U.	1/7/65	CRD
TIM-782 (Supp. 3)	Inpile Capsule Design Report for Fuel Specimens Types 19H- 19L	Butler, E.	2/1/65	CRD
TIM-783	Inpile Capsule Design Report for Fuel Specimens (Type 19F)	Black, J.	4/1/64	CRD
TIM-784	Inpile Capsule Design Report for UC and UN Fuel Specimens (Types 19M, 19N and 19O) Operating at 2000 F (Argon Gas Barrier)	Mattrella, U.	10/1/64	CRD
TIM-784 (Supp. 1)	Inpile Capsule Design Report for UC and UN Fuel Specimens (Types 19M, 19N and 19O) (Argon Gas Barrier)	Thoms, K.	6/1/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-785	Inpile Capsule Design Report for Fuel Specimens (Type 19A)	Thoms, K.	3/18/64	CRD
TIM-786	The LCRE Reactor Control System	Banic, C.	5/8/64	U
TIM-788	Irradiation and Examination Report of Capsule #PW 26-150	Frank, J.	1/24/64	CRD
TIM-788 (Supp. 1)	Irradiation and Examination Report of Capsule #PW 26-150C	Frank, J.	12/16/63	CRD
TIM-788 (Supp. 2)	Irradiation and Examination Report of Capsule #PW 26-151	Frank, J.	1/2/64	CRD
TIM-788 (Supp. 3)	Examination Report of Capsule PW 26-160C	Carlson, C.	9/4/64	CRD
TIM-788 (Supp. 4)	Irradiation and Examination Report of Capsule PW 26-152	Carlson, C.	10/1/64	CRD
TIM-788 (Supp. 5)	Irradiation and Examination Report of Capsule PW 26-160	Carlson, C.	9/25/64	CRD
TIM-788 (Supp. 6)	Irradiation and Examination Report of Capsule PW 26-154	Carlson, C.	10/13/64	CRD
TIM-789	Testing of Ten-Inch Pressure Vessel No. 3	Vitali, V.	8/12/64	CRD
TIM-790	The LCRE Reactor Control System Summing Point and Error Amplifier	Naples, P.	3/30/64	CRD
TIM-791	Servo-Amplifier Job No. FED 128-220	Banic, C.	6/17/64	CRD
TIM-792	Use of DSN Code for Neutron Shielding Calculations	Larson, A.	12/27/63	U
TIM-793	Viscosity of Liquid Potassium to 900°C	Rigney, D.	7/1/64	U
TIM-794	Pump Drive Power Interruption Tests	Manganelli, F.	1/30/64	U
TIM-795	Thermal Flux and Enrichment Limitations in Inpile Tests on UC Fuels	Alwang, W.	1/6/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-795 (Supp. 1)	Thermal Flux and Enrichment Limitations in Inpile Tests of UC and UN Fuels	Alwang, W.	3/25/64	CRD
TIM-795 (Supp. 2)	One Dimensional Transport Calculations of Self Shielding Factors for Inpile Capsule Tests	Alwang, W.	4/27/64	CRD
TIM-795 (Supp. 3)	Thermal Flux and Enrichment Limitations in Inpile Tests of UC Fuels - Investigation of Thermal Neutron Absorbing Shrouds	Goodman, R.	5/28/64	CRD
TIM-795 (Supp. 4)	Thermal Flux and Enrichment Limitations for Inpile Tests of UO ₂ -W and UN W Fuels	Alwang, W.	10/23/64	CRD
TIM-795 (Supp. 5)	Thermal Flux and Enrichment Limitations for Inpile Tests of 80% Dense UN Fuels	Goodman, R.	1/11/65	CRD
TIM-795 (Supp. 6)	Thermal Flux and Enrichment Limitations for Inpile Tests of UN W Fuels	Goodman, R.	3/26/65	CRD
TIM-795 (Supp. 7)	Thermal Flux and Enrichment Limitations in Inpile Tests of UC and UN Fuels-Investigation of Thermal Neutron Filter for Fast Flux Tests	Goodman, R.	3/26/65	CRD
TIM-796	Critical Masses and Reactivity Coefficients Measured in the CCA-7 (10 x 14.2)	Paradis, E.	1/21/64	CRD
TIM-797	TDP - A Two-Dimensional Perturbation Calculation Code Based on TDC, for IBM 7090, Deck B516	Fader, W.	1/24/64	U
TIM-797 (Supp. 1)	User's Guide to FORTRAN TDP	Keller, C.	3/19/65	U
TIM-798	FARSE, A Direct Neutron Shielding Code Designed for SNAP Systems	Granter, W.	12/27/63	U
TIM-799	SCARF - A Neutron Scattering Code for SNAP Type Radiators	Granter, W.	1/23/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-799 (Supp. 1)	SCARF - A Neutron Scattering Code for SNAP Type Radiators	Granter, W.	3/5/64	U
TIM-801	Ground and Aerospace Nuclear Safety Status Report	Bronke, V.	3/6/64	CRD
TIM-802	Installation and Operation Instructions to Battelle Research Reactor Personnel for Inpile Preamplifier Test	Atkinson, G.	2/5/64	U
TIM-803	A Heat Transfer Analysis for the Heater-In-Lithium Fuel Capsule Design	Mattrella, U.	4/1/64	CRD
TIM-805	Common Mode Voltage Tests of Brown Temperature Indicators and Recorders	Campbell, R.	2/10/64	U
TIM-806	Monte Carlo Data Preparation Codes	Kinney, E.	2/20/64	U
TIM-807	The Reactor Weight Optimization Parametric Code WOP	Fish, R. W.	7/29/65	U
TIM-808	Fuel Centerline Temperatures	Killen, R.	2/24/64	CRD
TIM-810	The Vapor Pressure of Potassium Between 1065 and 1500 K	Rigney, D.	9/12/65	U
TIM-811	Preliminary SNAP-50 Shield Parametric Study	Spring, R.	5/28/64	CRD
TIM-811 (Supp. 1)	Preliminary SNAP-50 Shield Parametric Study	Spring, R.	6/2/64	CRD
TIM-811 (Supp. 2)	Patch Shielding for Coolant Pipe Scattering	Spring, R.	7/20/64	CRD
TIM-812	Recession of PWK-1-Coated Cb-1 Zr Alloy Surfaces During 2000 F Argon Exposure	Hirakis, E.	3/2/64	U
TIM-813	A Program to Study the Effects of Neutron Irradiation Upon Columbium Base Alloys	Carlson, C.	3/12/64	CRD
TIM-813 (Supp. 1)	A Program to Study the Effects of Neutron Irradiation Upon Columbium Base Alloys	Carlson, C.	5/6/64	CRD
TIM-813 (Supp. 1) (Rev. 1)	A Program to Study the Effects of Neutron Irradiation Upon Columbium Base Alloys	Carlson, C.	6/18/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-813 (Supp. 2)	A Program to Study the Effects of Neutron Irradiation Upon Columbium Alloys	Scotti, V.	10/7/65	U
TIM-814	Proposed SNAP-50 Shield Development Program	Richings, H.	5/28/64	CRD
TIM-815	Unijunction - SCR Trip Circuit Electronics Job No. 128	Bennett, D.	4/9/64	U
TIM-817	Irradiation and Examination Report of Capsule PW 26-190	Frank, J.	3/26/64	CRD
TIM-817 (Supp. 1)	Irradiation and Examination Report of Capsule #PW 26-191	Felber, F.	5/26/64	CRD
TIM-817 (Supp. 2)	Irradiation and Examination Report of Capsule #PW 26-190C	Frank, J.	4/28/64	CRD
TIM-817 (Supp. 3)	Irradiation and Examination Report of Capsule PW 26-192	Carlson, C.	10/7/64	CRD
TIM-822	The Compatibility of Compacted Boron Carbide in Stainless Steel Alkali Metal Systems	Lymperes, C.	8/18/65	U
TIM-823	Columbium-1 Zirconium Alloy Lithium Corrosion Loop Tests LCCBK- 5, 6, 7, 8 and 9	Bourdon, P.	10/19/65	U
TIM-824	Gas Technology Status	Limoncelli, E.	9/1/65	U
TIM-826	Design Procedure for Externally Compensated Hybrid Bearing	Groll, D.	5/1/64	U
TIM-827	Irradiation and Examination Report of Capsule #PW 26-61	Frank, J.	5/15/64	CRD
TIM-827 (Supp. 1)	Irradiation and Examination Report of Capsule #PW 26-62	Frank, J.	5/15/64	CRD
TIM-827 (Supp. 2)	Irradiation and Examination Report of Capsule #PW 26-60	Frank, J.	6/10/64	CRD
TIM-827 (Supp. 3)	Examination Report of Capsule #PW 26-60A	Frank, J.	6/29/64	CRD
TIM-828	Preliminary Nuclear Analysis of the PWAR 20 Reactor, Reference Design No. 4	Alwang, W.	7/30/64	CRD
TIM-829	STERNO, A Two Dimensional Gamma-Heating Code	Keller, C.	10/14/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-830	Irradiation and Examination Report of Capsule #PW 28-10	Frank, J.	8/10/64	CRD
TIM-830 (Supp. 1)	Irradiation and Examination Report of Capsule #PW 28-11	Frank, J.	8/12/64	CRD
TIM-830 (Supp. 2)	Report of Capsule PW 28-10A	Frank, J.	8/12/64	CRD
TIM-831	Irradiation and Examination Report of Capsule PW 26-80	Frank, J.	8/14/64	CRD
TIM-831 (Supp. 1)	Irradiation and Examination Report of Capsule #PW 26-80C	Frank, J.	8/10/64	CRD
TIM-831 (Supp. 2)	Irradiation and Examination Report of Capsule #PW 26-81	Frank, J.	8/12/64	CRD
TIM-832	Correlation of Boiling Potas- sium Heat Transfer Data	Sadowsky, D.	6/16/64	U
TIM-833	Preliminary System Analysis - SNAP-50/SPUR System Using D. C. Electro-Magnetic Pumps	Edgerly, G.	8/18/64	CRD
TIM-834	Irradiation and Examination Report of Capsule #PW 27-230C	Frank, J.	8/7/64	CRD
TIM-834 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-230	Frank, J.	8/14/64	CRD
TIM-834 (Supp. 2)	Irradiation and Examination Report of Capsule PW 26-231	Frank, J.	8/12/64	CRD
TIM-834 (Supp. 3)	Irradiation and Examination Report of Capsule PW 26-240	Frank, J.	8/12/64	CRD
TIM-834 (Supp. 4)	Irradiation and Examination Report of Capsule PW 26-241	Frank, J.	8/14/64	CRD
TIM-834 (Supp. 5)	Examination Report of Capsule PW 26-240C	Frank, J.	8/10/64	CRD
TIM-835	Resolution Measurements for Solid State Radiation Detectors and Associated Instrumentation	Warmolts, J.	7/17/64	U
TIM-836	Straddle Bearing Rotor Dynamics Test in Water	Merz, C.	10/30/64	U
TIM-837	Cavitation Noise Analysis Techniques	Bennett, D.	7/20/64	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-838	Source Data for SNAP-50/SPUR Shielding Calculations	Larson, A.	7/30/64	CRD
TIM-839	Irradiation and Examination Report of Capsule PW 26-220	Frank, J.	8/12/64	CRD
TIM-839 (Supp. 1)	Examination Report of Capsule PW 26-220C	Frank, J.	8/12/64	CRD
TIM-840	Preliminary Physics Analysis of Poison Drum Controlled, UC Fueled SNAP-50 Reactors	Alwang, W.	10/7/64	CRD
TIM-841	Examination Report of Capsule Report of Capsule PW 26-181	Carlson, C.	9/15/64	CRD
TIM-841 (Supp. 1)	Examination Report of Capsule PW 26-180C	Carlson, C.	9/4/64	CRD
TIM-842	Post-Test Examination of Type 316 Stainless Steel Pump Impeller RI 7C3	Woodward, C.	12/30/64	U
TIM-843	Ten Inch Pressure Vessel Program	Vitali, V.	8/12/64	CRD
TIM-844	The Vapor Pressure of Lithium Between 1307 and 1806 K	Rigney, D.	9/7/65	U
TIM-845	ZOT1 - A Code for Collapsing Many Group Cross Sections into Few Groups	Cappiapouti, R.	8/27/64	U
TIM-846	Status of Thermocouples for High Temperature Use in Radiation Environments	Gray, W.	8/28/64	U
TIM-847	The TDC Code	Fader, W.	9/15/64	U
TIM-848	Calculation of Minimum Channel Width for Machined Impellers	Kasher, D.	12/17/64	U
TIM-849	The Viscosity of Lithium	Rigney, D.	7/65	U
TIM-850	Solubility of Refractory Metals in Lithium	Cleary, R.	10/27/65	U
TIM-851	Posttest Metallurgical Evaluation of Coated Four Inch Pressure Vessels, Number 15, 16 and 17	Neumeister, R.	10/23/64	U
TIM-852	Temperature Testing of Cornell-Dubilier Type FG Ceramic Capacitors	Atkinson, G.	9/24/63	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-853	SNAP-50/SPUR Pump Motor Power Conditioning - Selection of Frequency Converter System	Edgerly, G.	9/29/64	CRD
TIM-854	The Electrical Resistivity of Li & Cb-1 Zr Alloy to 1430C	Rigney, D.	8/20/65	U
TIM-855	Irradiation and Examination Report of Capsule PW 26-500	Carlson, C.	4/6/65	CRD
TIM-855 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-501	Carlson, C.	4/27/65	CRD
TIM-855 (Supp. 2)	Irradiation and Examination Report of Capsule PW 26-502	Carlson, C.	12/22/64	CRD
TIM-855 (Supp. 3)	Irradiation and Examination Report of Capsule PW 26-503	Carlson, C.	1/7/65	CRD
TIM-855 (Supp. 4)	Irradiation and Examination Report of Capsule PW 26-504C	Carlson, C.	1/4/65	CRD
TIM-855 (Supp. 5)	Irradiation and Examination Report of Capsule PW 26-524	Carlson, C.	1/18/65	CRD
TIM-855 (Supp. 6)	Irradiation and Examination Report of Capsule PW 26-523	Carlson, C.	2/2/65	CRD
TIM-855 (Supp. 7)	Irradiation and Examination Report of Capsule PW 26-510	Carlson, C.	4/9/65	CRD
TIM-855 (Supp. 7) (Rev. 1)	Irradiation and Examination Report of Capsule PW 26-510	Felber, F.	6/29/65	U
TIM-855 (Supp. 8)	Irradiation and Examination Report of Capsule PW 26-530	Carlson, C.	5/3/65	CRD
TIM-855 (Supp. 9)	Irradiation and Examination Report of Capsule PW 26-512	Loethen, A.	5/20/65	CRD
TIM-855 (Supp. 10)	Irradiation and Examination Report of Capsule PW 26-521	Loethen, A.	5/21/65	CRD
TIM-855 (Supp. 11)	Irradiation and Examination Report of Capsule PW 26-542	Loethen, A.	6/2/65	CRD
TIM-855 (Supp. 12)	Irradiation and Examination Report of Capsule PW 26-550	Loethen, A.	6/2/65	CRD
TIM-855 (Supp. 13)	Irradiation and Examination Report of Capsule PW 26-554	Loethen, A.	6/2/65	CRD
TIM-855 (Supp. 14)	Irradiation and Examination Report of Capsule PW 26-534	Carlson, C.	6/16/65	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-855 (Supp. 15)	Irradiation and Examination Report of Capsule PW 26-526	Carlson, C.	7/6/65	CRD
TIM-856	Irradiation and Examination Report of Capsule PW 26-600	Carlson, C.	10/13/64	CRD
TIM-856 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-601	Carlson, C.	6/8/65	CRD
TIM-856 (Supp. 2)	Irradiation and Examination Report of Capsule PW 26-602	Carlson, C.	5/25/65	CRD
TIM-856 (Supp. 3)	Irradiation and Examination Report of Capsule PW 26-603	Carlson, C.	4/21/65	CRD
TIM-856 (Supp. 4)	Irradiation and Examination Report of Capsule PW 26-604C	Carlson, C.	11/3/64	CRD
TIM-856 (Supp. 5)	Irradiation and Examination Report of Capsule PW 26-610	Carlson, C.	5/10/65	CRD
TIM-856 (Supp. 6)	Irradiation and Examination Report of Capsule PW 26-613	Carlson, C.	5/28/65	CRD
TIM-856 (Supp. 7)	Irradiation and Examination Report of Capsule PW 26-640	Carlson, C.	5/26/65	CRD
TIM-856 (Supp. 8)	Irradiation and Examination Report of Capsule PW 26-630	Carlson, C.	6/1/65	CRD
TIM-856 (Supp. 9)	Irradiation and Examination Report of Capsule PW 26-636C	Carlson, C.	7/20/65	CRD
TIM-856 (Supp. 10)	Irradiation and Examination Report of Capsule PW 26-633	Carlson, C.	7/12/65	CRD
TIM-856 (Supp. 11)	Irradiation and Examination Report of Capsule PW 26-631	Carlson, C.	7/21/65	CRD
TIM-856 (Supp. 12)	Irradiation and Examination Report of Capsule PW 26-635	Carlson, C.	8/18/65	CRD
TIM-856 (Supp. 13)	Irradiation and Examination Report of Capsule PW 26-632	Carlson, C.	8/18/65	CRD
TIM-857	Irradiation and Examination Report of Capsule PW 26-700	Carlson, C.	4/30/65	CRD
TIM-857 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-701	Loethen, A.	5/20/65	CRD
TIM-858	Irradiation and Examination Report of Capsule PW 26-800	Carlson, C.	3/19/65	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-858 (Supp. 1)	Irradiation and Examination Report of Capsule PW 26-801	Carlson, C.	5/3/65	CRD
TIM-859	An Analytical Study of the SNAP-50 Reference 4 Reactor (Model 604-BA-1) Inherent Stability	Beltracchi, L.	11/2/64	CRD
TIM-860	Phase I Parameter Study Physics Data	Johnson, H.	3/16/65	CRD
TIM-861	Preliminary Report on Maximum Energy Release, SNAP-50 Ground Test	Fader, W.	10/23/64	CRD
TIM-862	SNAP-50 Shield Parametric Study	Granter, W.	2/24/65	CRD
TIM-863	Summary of Design Studies Leading to Preliminary Design of 2-Mwt Reactor and Shield (PWAR-20)	Beltracchi, L.	12/1/64	CRD
TIM-864	PWAR-20 Reactor (2-Mwt) Prelim- inary Nuclear Analysis	Alwang, W.	11/24/64	CRD
TIM-865	PWAR-20 Reactor (2-Mwt) Pre- liminary Design Engineering Analysis	Bigelow, C.	12/1/64	CRD
TIM-866	PWAR-20 Shield Preliminary Analysis	Richings, H.	12/1/64	CRD
TIM-867	Status of Reactor Inherent and Control Stability Studies in Support of PWAR-20	Beltracchi, L.	12/1/64	CRD
TIM-868	Status of Control Drive Develop- ment in Support of PWAR-20	Shuford, S.	12/1/64	CRD
TIM-869	Status of Instrumentation Development in Support of PWAR-20	Patalon, W.	1/8/65	CRD
TIM-870	Status of Materials Develop- ment in Support of PWAR-20	Decrescente, M.	12/1/64	CRD
TIM-871	Analysis of the Hub Stresses on an Unshrouded Impeller	Kasher, D.	11/17/64	U
TIM-872	Inpile Testing of Fission- Counter Preamplifiers	Atkinson, J.	11/23/64	U
TIM-873	Inpile Capsule Design Report for UN Fuel Specimen (Type 20A) (75He-25A Gas Barrier)	Mattrella, U.	4/12/65	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-874	Overhung Rotor Dynamics Tests Using Hydrostatic Water Bearings	Newey, D.	6/24/65	U
TIM-876	Design Study of a 10-Mwt Reactor for Space Applications	Zeisser, M.	5/18/65	CRD
TIM-877	Preliminary Investigation of Vented Core Reactor Concepts for Space Applications	Wensch, W.	4/14/65	CRD
TIM-878	Cavitation Sensitive Coating Evaluation	Noell, G.	7/7/65	U
TIM-880	MORTIMER - A Neutron Shielding Code for SNAP Systems Utilizing the Two-Component Method	Friedman, A.	1/7/65	U
TIM-881	Secondary Gamma Production in Various Gamma Shields	Spring, R.	1/8/65	CRD
TIM-882	Recommended LiH Neutron Attenuation Coefficients to be Used with the FARSE and MORTIMER Codes when Analyzing SNAP Type Conical Shields	Granter, W.	1/13/65	U
TIM-883	Design Report for a Neutron Flux Monitoring System for Use in the MTR (PW 26-9990)	Aberle, R.	4/20/65	U
TIM-884	Evaluation of Hot Laboratory Shielding Windows for SNAP-50/SPUR Fuel Assembly Examination	Smolen, J.	1/15/65	U
TIM-885	Maximum Temperature in a LiH Flight Shield During a 2 Mw Test in a Vacuum Chamber	Levengood, J.	1/21/65	CRD
TIM-886	Temperature Dependent Cross Sections for Tungsten and Uranium Isotopes in the Energy Range from 100 ev to 100 kev	Loffreda, J.	2/22/65	U
TIM-886 (Supp. 1)	Calculation of the Doppler Effect using the Data of TIM-886	Cacciapouti, R.	3/3/65	U
TIM-888	High Temperature Thermometry at CANEL	Bliss, P.	2/8/65	U
TIM-890	User's Guide to FORTRAN TDC	Rodgers, R.	2/19/65	U
TIM-891	LCRE Fuel Element Criticality Measurements at ORNL	Walsh, V.	7/30/65	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-892	CANEL Multigroup Cross Sections	Loffreda, J.	3/9/65	U
TIM-892 (Supp. 1)	CANEL Multigroup Cross Sections	Loffreda, J.	6/15/65	U
TIM-893	Inpile Capsule Design Report for Fuel Specimen (Type 19Q)	Black, J.	3/24/65	CRD
TIM-894	Cavitation Damage Tests with Rotating Disc in Water	Knudsen, L.	9/15/65	U
TIM-895	Cavitation Tests of Coated RI-16 Impeller	Altieri, J.	7/26/65	U
TIM-896	Interactions in a Type 316 Stainless Steel NaK-Cb-1 Zr Alloy System	Lymperes, C.	7/7/65	U
TIM-898	Columbium-1 Zirconium Alloy Forced Convection Lithium Slave Loop Test LCCDB-1	Bourdon, P.	10/11/65	U
TIM-900	Status of Methods for Determining Carbon, Oxygen and Nitrogen in Alkali Metals	Hobart, E.	4/1/65	U
TIM-901	Reaction Rate of Columbium-1% Zirconium Alloy with Oxygen at Low Pressures	Hogan, J.	8/24/65	U
TIM-903	High Temperature Refractory Alloy Testing in a Pressure Flowing Argon Environment	Limoncelli, E.	9/8/65	U
TIM-904	General Method for Analyzing Refractory Metal Alloys Using the Vacuum Cup Electrode	Leao, E.	3/5/65	U
TIM-906	Validity of Determining Carbon in Lithium by Measurement of Acetylene Evolved on Hydrolysis	Hobart, E.	6/22/65	U
TIM-907	A New Cuprous Reagent for the Spectrophotometric Determination of Acetylene	Hobart, E.	6/22/65	U
TIM-908	Inpile Capsule Design Report for UN Fuel Specimens (Type 21-A)	Black, J.	4/26/65	CRD
TIM-908 (Supp. 1)	Inpile Capsule Design Report for UN Fuel Specimens (Type 21-A)	Black, J.	5/3/65	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-909	Summary of Shaft Face Seal Development Program	Manfredi, D.	6/30/65	U
TIM-910	Formation of Cyanide in Liquid Sodium	Hobart, E.	5/13/65	U
TIM-911	SNAP-50/SPUR Electromagnetic Pump Program Concept Selection and Status Report	McConville, J.	5/25/65	U
TIM-913	Dissertation of Jet Pump Analysis	Daley, D.	6/18/65	U
TIM-914	Water Tests of High Speed Centrifugal Dynamic Shaft Seals	Noell, G.	6/23/65	U
TIM-915	Hydrodynamic Journal Bearing Tests in Lithium	Richards, W.	9/15/65	U
TIM-916	Single Film Journal Bearing Tests in Water	Weinberg, B.	7/30/65	U
TIM-917	Summary of Fluid Film Bearing Analysis	Groll, D.	6/21/65	U
TIM-918	Centrifugal Pump Impeller Design System	Lamers, R.	6/24/65	U
TIM-919	Motor Cavity Evacuation Study	Cygnor, J.	5/28/65	U
TIM-921	Straddle Bearing Rotor Dynamics Tests with Step Bearings in Water	Merz, C.	7/26/65	U
TIM-922	10,000-Hour Temperature Test of Fission-Counter Preamplifiers	Atkinson, G.	6/17/65	U
TIM-923	Ball Bearing Test in Lithium	Richards, W.	9/7/65	U
TIM-924	Carburization of Cb-1 Zr Alloy	Bornstein, N.	8/12/65	U
TIM-925	Single Hybrid Journal Bearing Tests in Water	Knudsen, L.	7/65	U
TIM-926	Thrust Bearing Tests in Water	Knudsen, L.	8/65	U
TIM-927	Carburization of Cb-1 Zr Alloy	Bornstein, N.	8/12/65	U
TIM-928	Recession of PWK-35 Coated Cb Alloys During Exposure to Argon at 2000 F	Bornstein, N.	9/2/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-929	Direct Current Electromagnetic Pump	McConville, J.	7/8/65	U
TIM-930	CSP1 - A Code for Preparing 100 Group Cross Sections for Sn Codes	Loffreda, J.	7/12/65	U
TIM-931	CSP2A - A Code for Preparing 100 Group Forward and Adjoint Macroscopic Cross Sections for Sn Codes	Loffreda, J.	7/12/65	U
TIM-932	SNC, Calculation of Sn Constants for TDC, DSN	Rodgers, R.	7/14/65	U
TIM-933	Pre-Irradiation Characterization of PWC-11 and Cb-1 Zr Alloys	Carlson, C.	7/26/65	U
TIM-934	DSNL - An Option of DSN Used to Approximate Axial Leakage	Rodgers, R.	7/15/65	U
TIM-935	2DXYL User's Guide	Keller, C.	7/7/65	U
TIM-936	CANEL Materials Laboratory Manual - Analytical Section	Fornwalt, D.	7/21/65	U
TIM-937	Parametric Study of Scram Delay Time	Goblen, D.	7/13/65	CRD
TIM-938	MGDSN, Many Group DSN	Rodgers, R.	7/16/65	U
TIM-939	LAG - A Load and Go Assembler Written for the CDC-1604-B Computer	Lawrence, R.	7/22/65	U
TIM-940	CMPXMAT, A Transfer Function Evaluation Program	Kvick, P.	7/12/65	U
TIM-941	Monte Carlo Codes, FMC-N and FMC-G	Kinney, E.	7/22/65	U
TIM-942	Electron Microprobe Studies of Carbon & Oxygen X-Ray Intensities in Metal Compounds	Manziona, A. Fornwalt, D.	9/15/65	U
TIM-943	Electron Metallography Techniques Applied to Body Centered Cubic Metals and Alloys	Keegan, W.	6/30/65	U
TIM-945	Modified Tin-Aluminum Slurry Coatings for Multi-Thousand Hour Applications	Friedrich, L.	10/1/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
TIM-946	Pretest and Irradiation Data for Unexamined Fuel Specimens	Felber, F.	7/14/65	CRD
TIM-947	DTX, Calculation of Effective Macroscopic Cross-Sections	Rodgers, R.	7/20/65	U
TIM-948	A Compact 1900 F Resistance - Wound Combustion Furnace for Remote Operation	Farmelo, D.	7/23/65	U
TIM-949	Users Report for Pump Impeller Codes	Bourque, J.	7/30/65	U
TIM-950	Investigation of Blast Waves from a Spherical Charge Using the AX-TNT Code	Anderson, C.	8/17/65	U
TIM-951	AX-TNT, A Code for the Investi- gation of Reactor Excursions and Blast Waves from a Spherical Charge	Anderson, C.	9/29/65	U
TIM-952	Fabrication Inspection and Tooling Records for CANEL Stored Parts and Materials	Prior, W.	7/30/65	U
TIM-953	Pre-Test Fuel Data for Capsules at the MTR Site	Lindeman, G.	9/1/65	CRD
TIM-954	Pratt & Whitney Aircraft Fuel Irradiation Test Vehicles	Ackerman, W.	9/30/65	CRD
TIM-955	Stability of Carbon Strengthened Columbium-Zirconium Alloys at Elevated Temperature in Ultra-High Vacuum	Slotnick, H.	11/3/65	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1	SFR Dimensions	Tedeschi, V.	7/1/57	CRD
CNLM-2	Lithium Progress Report for Week Ending 6/28/57	Kelly, R.	7/1/57	CRD
CNLM-3	Weekly Progress Report on Materials Lab. Lithium Program	Comstock, J. Kelly, K.	7/1/57	CRD
CNLM-4	Design Problem Check List for PWAR-5A	Gray, H.	7/1/57	U
CNLM-5	Controls Group Progress Report for the Month of June, 1957	Elsaesser, F.	7/1/57	U
CNLM-6	Controls Group Progress Report for Week Ending 6/29/57	Elsaesser, F.	7/1/57	U
CNLM-7	Summary of Progress Report for Quarter Ending 6/30/57	Chalfant, A.	7/1/57	CRD
CNLM-8	Summary of Progress Report for Quarter Ending June 30, 1957	Carson, A.	7/2/57	CRD
CNLM-9	Preliminary Corrosion Report on Loop LCSA-1D1	Ackermann, W.	7/2/57	CRD
CNLM-10	Status of Powerplant Perform- ance Reports	Meyer, R.	7/2/57	CRD
CNLM-11	Progress Report of Advanced Powerplant Performance Group - Two Weeks Ending June 29, 1957	Andrews, N.	7/2/57	U
CNLM-12	Progress Report for June, 1957	Tiedemann, H.	7/2/57	U
CNLM-13	Progress Report for Month Ending June 30, 1957	Carson, A.	7/2/57	CRD
CNLM-14	Request for a Design of Hydro- dynamic Test Unit	Milich, J.	7/3/57	CRD
CNLM-15	Monthly Progress Report Static Tests of SFTR Reactor	Quedens, P.	7/5/57	U
CNLM-16	Powerplant Designations	Beardsley, G.	7/5/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-17	Instrument Group Progress Report for Weeks Ending June 21 and June 28, 1957	Bliss, P.	7/5/57	U
CNLM-18	Status of Liquid Metal Loop Program	Leon, J.	7/5/57	U
CNLM-19	During Our Testimony Before the Subcommittee on Research and Development on June 17, 1957	Holtsinger, C.	7/5/57	SRD
CNLM-20	Weekly Progress Report on Materials Laboratory Lithium Progress	Comstock, J.	7/8/57	CRD
CNLM-21	Lithium Progress Report for Week Ending 7/5/57	Wesbecher, J.	7/8/57	CRD
CNLM-22	Reactor Experimental Progress Report for 6/57	Kelly, R.	7/9/57	CRD
CNLM-23	Monthly Progress Report 7/57 Advanced Powerplant Performance Group	Lingenfelter, C.	7/9/57	U
CNLM-24	Progress Report for Month Ending 6/30/57	Dytko, E.	7/9/57	CRD
CNLM-25	PWAR-5A Operating Period	Dytko, E.	7/9/57	U
CNLM-26	Monthly Report for June, 1957	Chalfant, A.	7/9/57	CRD
CNLM-27	PPT Hazards (Other Than Reactor)	Miles, W.	7/9/57	U
CNLM-28	Instrument Group Progress Report for Month of 6/57	Bliss, P.	7/9/57	U
CNLM-29	Controls Group Progress Report for Week Ending 7/6/57	Elsaesser, F.	7/9/57	U
CNLM-30	Propulsion Machinery Development Progress Report for the Month of June, 1957	Meyer, R.	7/9/57	CRD
CNLM-31	Cold Static Stress and Lead Creep Tests for SFTR	Quedens, P.	7/9/57	U
CNLM-32	Comments on Patent Project A-426	Lingenfelter, C.	7/9/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-33	Classification	Miller, J.	12/10/57	U
CNLM-33	Classification Criteria Dated 7/3/57	Miller, J.	7/9/57	U
CNLM-34	Test Bench Requirements for the Powerplant Control Development Program	Hilley, M.	7/10/57	U
CNLM-35	Maximum Allowable Radiator Core Depth Consistent With JTN-9 Turbomachinery	Tiedemann, H.	7/10/57	U
CNLM-36	Progress Report for June, 1957 - Controls, Electronics, and Instrumentation Groups	Beardsley, G.	7/10/57	U
CNLM-37	On June 26 During Your Visit to P&WA CANEL Project	Meyer, R.	7/11/57	CRD
CNLM-38	Proposed Work Schedule for Structural Analysis of Lithium Cooled Columbium SFR 7/1/57 - 9/15/57	Berlin, R.	7/11/57	CRD
CNLM-39	Forecast of Nuclear Materials Requirements	Kelly, R.	7/11/57	U
CNLM-40	Progress Report for Month of June, 1957	Strough, R.	7/11/57	CRD
CNLM-41	Preliminary Corrosion Report on Loop FPL - 56 Original Heater Leg.	Maximowicz, H.	7/11/57	U
CNLM-42	Preliminary Corrosion Report on Loop LSSB-4N1	Ackermann, W.	7/11/57	U
CNLM-43	Preliminary Corrosion Report on Loop LSB-2L1	Maximowicz, H.	7/11/57	U
CNLM-44	Job Schedules and Assignments S.F. In-pile Loop Development	Parks, G.	7/12/57	U
CNLM-45	Status of Liquid Metal Loop Program	Leon, J.	7/12/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-46	Sea Level Performance of Nuclear Versions of the T-57 and T-37 Engines	Lingenfelter, C.	7/12/57	U
CNLM-47	Classification Criteria	Miller, J.	7/12/57	U
CNLM-48	Weekly Progress Report on Materials Laboratory Lithium Progress	Comstock, J.	7/15/57	CRD
CNLM-49	Please Find Attached Sketches to Show Dimensions of Revised Cold ...	Kuhns, R.	7/15/57	CRD
CNLM-50	Controls Group Progress Report for Week Ending 7/13/57	Elsaesser, F.	7/15/57	U
CNLM-51	Method and Time Estimate for Scaling Li-Cb and Na-SS SFR Weights for Range of Powers	Koppel, P.	7/15/57	CRD
CNLM-52	Lithium Progress Report for Week Ending 7/12/57	Wesbecher, J.	7/15/57	U
CNLM-53	Preliminary Corrosion Report on Loop SSSA-3C3	Murk, A.	7/15/57	U
CNLM-54	Progress Report of Advanced Powerplant Performance Group - Two Weeks Ending 7/13/57	Andrews, N.	7/15/57	CRD
CNLM-55	Progress Report on Static Tests for the SFETR Week Ending 7/12/57	Quedens, P.	7/15/57	U
CNLM-56	US AEC Forecast of Nuclear Materials Requirements (Second Revision) Fiscal Year 1958-1959 for P&WA	n.a.	7/16/57	U
CNLM-57	Preliminary Corrosion Report on Loop LTSE-3C3	Carlander, R.	7/16/57	U
CNLM-58	Tenth Monthly Report on Reactor Alloy Development	Beardsley, G.	7/16/57	U
CNLM-59	Materials Laboratory Progress Report for June, 1957	Raring, L.	7/17/57	CRD
CNLM-60	Radiators for High Temperature Application	Ahern, J.	7/18/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-61	Minutes of the CANEL Welding and Brazing Committee of July 3, 1957	Cote, L.	7/18/57	U
CNLM-62	Summary of Airplane Co. Studies of Nuclear ...	Gaffin, W.	7/22/57	U
CNLM-63	Phone Call to J. Brady of Convair - San Diego	Lingenfelter, C	7/19/57	CRD
CNLM-64	Status of Liquid Metal Loop Progress	Leon, J.	7/19/57	U
CNLM-65	Weekly Progress Report on Materials Laboratory Lithium Program	Kelly, K. Comstock, J.	7/22/57	U
CNLM-66	Monthly Progress Report Under Contract AF 33(038)-27341	Schmickrath, B.	7/22/57	CRD
CNLM-67	Identification of Nuclear Metal Specimens	Parks, G.	7/22/57	CRD
CNLM-68	Interim Report #1 - Project 1018 Dated 6/27/57	Rossi, A.	7/22/57	U
CNLM-69	Performance and Data for Several Powerplants for Possible Naval Applications	Lingenfelter, C.	7/22/57	CRD
CNLM-70	Controls Group Progress Report for Week Ending 7/20/57	Elsaesser, F.	7/22/57	U
CNLM-71	AEC Form 320 Title: "Materials Activation Irradiation"	Kelly, R.	7/22/57	U
CNLM-72	Preliminary Corrosion Report on Loop LSSB-1M1	Murk, A.	7/23/57	CRD
CNLM-73	Welding and Brazing Development Group Advanced Tool Engineering - Final Report Project No. 1028 - Object - To Determine the Weldability of Plexiglass	Chappel, J.	7/24/57	U
CNLM-74	Resistance Welding of Spacer Wires to Tubes	Kollman, K.	7/24/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-75	Effect of Welding on Machined Tube Slots of 1/4 SE Radiator Header Plates	Peterson, C.	7/24/57	U
CNLM-76	Analysis of Airco Brazing Flux #150 and Airco Brazing Flux #12 in Regards to Flow Activity at Elevated Temperatures	Peterson, C.	7/24/57	U
CNLM-77	Weld, Roll and Inspect Welder Samples	Banowich, B.	7/24/57	U
CNLM-78	X-Ray of Tube to Header Weld Joints on the FXR 461 and FXR 603 Radiators	Peterson, C.	7/24/57	U
CNLM-79	Documents for Declassification	Beardsley, G.	7/24/57	U
CNLM-80	JTN-9 Flight Engine Shear and Moment Distribution	West, H.	7/24/57	U
CNLM-81	Meeting With Nuclear Metals Personnel on 7/16/57	D'Amore, H.	7/25/57	U
CNLM-82	Average Cost Work Sheet Dated 6/30/57	St. Arnauld, M.	7/25/57	U
CNLM-83	Estimated Sea Level Performance of Nuclear Versions of the T-57 and T-34 Turboprop Engines	Brueger, J.	7/25/57	U
CNLM-84	Exhibit C to Purchase Order 609116 - Statement of Work to be Undertaken for P&WA by Phillips Petroleum Co.	n.a.	7/25/57	U
CNLM-85	Status of Liquid Metal Loop Program	Leon, J.	7/26/57	CRD
CNLM-86	Status of Liquid Metal Loop Program Ltr. to Nuclear Metals, Inc. (Dr. J. Wong) Dated 7/25/57 Re: Confirming the Details of Our Meeting Last Week	Kuhns, R.	7/26/57	U
CNLM-87	Scale Entitled NMI Specimen Showing Nominal Dimension	n.a.	7/27/57	U
CNLM-88	Weekly Progress Report on Materials Laboratory Lithium Program	Comstock, J. Kelly, K.	7/26/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-89	Forced Convection Lithium-Sodium Corrosion Progress Report for Week Ending, July 26, 1957	Wesbecher, J.	7/29/57	CRD
CNLM-90	Request for Reactor and Shield Data for a Hydrogen Cooled Reactor	Lingenfelter, C.	7/29/57	CRD
CNLM-91	High Temperature Helium to Air Radiator	Zeisser, M.	7/29/57	CDI
CNLM-92	Engine Performance Data for Radiator Heat Compensator Control	Kunkle, C.	7/29/57	CDI
CNLM-93	Reconciliation of Unpaid Obligations and Working Capital to Undelivered Orders as of June 30, 1957	St. Arnauld, M.	7/29/57	U
CNLM-94	Preliminary Corrosion Report on Loop LCL-11	Donnelly, E.	7/30/57	U
CNLM-95	You Have Approved Our Contract With General Nuclear Engineering Corporation Subject	Schmickrath, B.	7/30/57	U
CNLM-96	Controls Group Progress Report for the Week Ending July 27, 1957	Elsaesser, F.	7/30/57	U
CNLM-97	Physics Information Required for a Control Study of the Fast Reactor (PWAR-9)	Dickson, J.	7/30/57	CRD
CNLM-98	Telephone Contact With Aircraft Companies	DeGanahl, C.	7/31/57	U
CNLM-99	Shield Weights Were Calculated for a Number of Fast Reactors Having Desirable Engineering Characteristics using the Shield Optimization Code	Woodsum, H.	7/31/57	CRD
CNLM-100	Redesign of Forced Convection Lithium Loops	Wesbecher, J.	7/31/57	CRD
CNLM-101	Documents Charged to R. Gray ORNL	Beardsley, G.	8/1/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-102	Progress Report for Month Ending July 31, 1957	Carson, A.	8/1/57	CRD
CNLM-103	Controls Group Progress Report for the Month of July, 1957	Elsaesser, F.	8/1/57	U
CNLM-104	Low Power SFR Test Reactor Physics Analysis	Dee, J.	8/2/57	CRD
CNLM-105	Information Required for Control Investigation of the CTF Heat Dump System	Schaefer, R.	8/2/57	U
CNLM-106	Status of Liquid Metal Loop Program	Leon, J.	8/2/57	CRD
CNLM-107	Preliminary Specifications of Inert Atmosphere Tank for Operation of Liquid Metal Corrosion Loops	Kulp, R.	8/2/57	CRD
CNLM-108	Progress Report for July, 1957	Bronke, V.	8/5/57	U
CNLM-109	PWAR-5A Experimental Progress Report for July, 1957	Kelly, R.	8/5/57	CRD
CNLM-110	Reactor Controls Group Progress Report for Week Ending August 3, 1957	Elsaesser, F.	8/5/57	CDI
CNLM-111	Forced Convection Lithium-Sodium Corrosion Progress Report for Week Ending August 2, 1957	Wesbecher, J.	8/5/57	CRD
CNLM-112	Propulsion Machinery Development Progress Report for the Month of July, 1957	Meyer, R.	8/6/57	CRD
CNLM-113	Progress Report for Month Ending July 31, 1957	Dytko, E.	8/6/57	CRD
CNLM-114	High Temperature Materials Meeting	Allen, J. Ackermann, W.	8/6/57	U
CNLM-115	Monthly Progress Report for July, 1957	Wesbecher, J.	8/6/57	CRD
CNLM-116	Shield Weight Calculations for Helium Cooled SFR Reactor	Rost, E. Woodsum, H.	8/6/57	CRD
CNLM-117	Progress Report for the Month Ending July 31, 1957	Chalfant, A.	8/6/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-118	We are Forwarding Under Separate Cover Six Sylvania Enriched Elements	Kuhns, R.	8/6/57	CRD
CNLM-119	Summary of Cost, June, 1957 AF 33-038-27341, AT 11-1-229	St. Arnauld, M.	8/8/57	U
CNLM-120	Analysis of Amounts Invoiced Contract AF 33-038-27341, June, 1957	St. Arnauld, M.	8/8/57	U
CNLM-121	Analysis of Amounts Invoiced Contract AT 11-1-229, June, 1957	St. Arnauld, M.	8/8/57	CDI
CNLM-122	Reactor Cross Section (One Photograph of Figure From PWAC-186)	n. a.	8/8/57	SRD
CNLM-123	Core Moderated Reactor (One Photograph of Figure From PWAC-186)	n. a.	8/8/57	SRD
CNLM-124	JTN-9 Engine Radiator Air Exit Temperature Control Probe Location	Horan, J.	8/8/57	U
CNLM-125	Progress Report for Month of July, 1957	Strough, R.	8/9/57	CRD
CNLM-126	Interim Report - Project No. 176 Form, Assemble, Weld and Braze Nine (9) Tubes in a Cluster	Banewich, B.	8/9/57	U
CNLM-127	Interim Report - Project No. 180 - Development of Electrodes for the "Elox" Machine	Asmond, L.	8/9/57	U
CNLM-128	Fundamental Studies of Reactor Control Systems	Beardsley, G.	8/9/57	CRD
CNLM-129	Classification of Niobium and Structural Materials	Beardsley, G.	8/9/57	U
CNLM-130	Status of Liquid Metal Loop Program	Leon, J.	8/9/57	CRD
CNLM-131	Materials Laboratory Progress Report for July, 1957	Raring, L.	8/9/57	CRD
CNLM-132	Classification	Miller, J.	8/12/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-133	Weekly Progress Report on Materials Laboratory Lithium Program	Comstock, J. Kelly, K.	8/12/57	CRD
CNLM-134	Controls Group Progress Report for Week Ending August 10, 1957	Elsaesser, F.	8/12/57	U
CNLM-135	Progress Report for July, 1957 Controls, Electronics, and Instrumentation Groups	Beardsley, G.	8/13/57	U
CNLM-136	Some Scaled Shield Weights for Fast Reactors	Woodsum, H.	8/13/57	CRD
CNLM-137	Cost Estimate for H.E. Stand No. Two Operations at Podunk, Period 8/12/57 to 9/1/58	Hoenig, M.	8/14/57	U
CNLM-138	Forced Convection Lithium-Sodium Corrosion Progress Report for Week Ending August 9, 1957	Wesbecher, J.	8/15/57	CRD
CNLM-139	Reactor Instrument Development Program	Bliss, P.	8/16/57	CRD
CNLM-140	Visit From Bell Aircraft Corp.	DeGanahl, C.	8/19/57	U
CNLM-141	Lithium Program Progress Report Week Ending August 16, 1957	Freed, M.	8/20/57	CRD
CNLM-142	Weekly Progress Report for Weeks Ending August 9, and August 16, 1957	Wesbecher, J.	8/20/57	CRD
CNLM-143	Reactor Controls Budget for FY 1958 and 1959	Elsaesser, F.	8/20/57	CRD
CNLM-144	Controls Group Progress Report for Week Ending August 17, 1957	Elsaesser, F.	8/20/57	U
CNLM-145	Project No. A-317 - AEC Case No. S-14,865 Compressor - Jet Cycle	Fishman, D.	8/20/57	U
CNLM-146	Contained Test Facility Transfer Vehicles	Miles, W.	8/20/57	CRD
CNLM-147	Nuclear-Chemical WS 125A Power-plant Performance One Solid Fuel Reactor	Larson, J.	8/20/57	CRD
CNLM-148	All Nuclear Supersonic Power-plant Performance One Solid Fuel Reactor	Larson, J.	8/20/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-149	Estimated Performance and Weight Data for All Nuclear Sea Level Powerplants	Larson, J.	8/20/57	CRD
CNLM-150	An Evaluation Study of Project RAND Report, RM-1897 Entitled "A Study of a Nuclear Propulsion System With Manned Supersonic Flight Potential"	Holtsinger, C.	8/21/57	CRD
CNLM-151	Survey of Solid Fuel Element Performance A Function of Fission Burn Up and Temperature	Parks, G.	8/21/57	CRD
CNLM-152	A. Variation of SNOB Airplane Performance With Reactor and Shielding Weight B. High Temperature Radiators	Tiedemann, H.	8/21/57	U
CNLM-153	Test Specimen Inspection Report	Reynolds, J.	8/22/57	CRD
CNLM-154	Nuclear Heat Only	Lingenfelter, C.	8/23/57	CRD
CNLM-155	IBM-704 Time Estimate for Performance Group Studies	Lingenfelter, C.	8/23/57	CRD
CNLM-156	Monthly Progress Report Under Contract AF 33-038-27341	Schmickrath, B.	8/23/57	CRD
CNLM-157	Lithium Program Progress Report Week Ending August 23, 1957	Freed, M.	8/23/57	CRD
CNLM-158	Estimate of Required Experimental Physics Manpower	Kennedy, W.	8/25/57	CRD
CNLM-159	Estimate of Required Experimental Physics R and D Equipment Costs	Kennedy, W.	8/25/57	CRD
CNLM-160	Twelve Month Estimate of Required Experimental Physics R and D Equipment Costs	Kennedy, W.	8/25/57	CRD
CNLM-161	Twelve Month Forecast of Schedule for Required Experimental Physics Test Program on PWAR-5 Test Version	Kennedy, W.	8/25/57	CRD
CNLM-162	Twelve Month Estimate of Required Experimental Physics Manpower	Kennedy, W.	8/25/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-163	Forecast of Schedule of Re- quired Experimental Physics Test Program	Kennedy, W.	8/25/57	U
CNLM-164	Reactor Controls Budget for FY 1958 and FY 1959	Elsaesser, F.	8/25/57	U
CNLM-165	Controls Group Progress Report for Week Ending August 24, 1957	Elsaesser, F.	8/25/57	U
CNLM-166	Material Cost on PWAR-5A Development Schedule	Foley, M.	8/26/57	CRD
CNLM-167	Weekly Progress Report for Week Ending August 23, 1957	Wesbecher, J.	8/27/57	U
CNLM-168	Estimated Costs and Manpower Required by Physics Group for Next Twelve Months	Carson, A.	8/28/57	CRD
CNLM-169	Downgrading of Monthly Letter Reports	Beardsley, G.	8/28/57	CDI
CNLM-170	Work Statement for Columbium Material	Osgood, H.	8/29/57	U
CNLM-171	Preliminary Corrosion Report on Loop LSSB-6N2	Maximowicz, H.	8/29/57	CRD
CNLM-172	Request for Turboprop Power- plant Shield Data	Andrews, N.	8/30/57	U
CNLM-173	Preliminary Corrosion Report on Loop LSSB-8N3	Maximowicz, H.	9/3/57	CRD
CNLM-174	Preliminary Corrosion Report on Loop LSSB-5PL	Maximowicz, H.	9/3/57	CRD
CNLM-175	Request for Design of a Core Plate Static Load Stand	Doak, R.	9/4/57	U
CNLM-176	Request for Design of a Core Plate Static Load Model	Doak, R.	9/3/57	CRD
CNLM-177	Our Comparison Study of the Tube-and-Spiral Fin Configuration	Ahern, J.	9/4/57	CRD
CNLM-178	Reactor Controls and Systems Analysis Progress Report for Week Ending August 31, 1957	Elsaesser, F.	9/4/57	U
CNLM-179	Monthly Report for August	Carson, A.	9/5/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-180	Military Specification for Niobium	Raring, L.	9/5/57	CRD
CNLM-181	Monthly Progress Report for August, 1957	Wesbecher, J.	9/5/57	CRD
CNLM-182	Progress Report of Powerplant Performance Group Two Weeks Ending August 31, 1957	Andrews, N.	9/5/57	CRD
CNLM-183	Preliminary Corrosion Report on Loop SSSA-5FL	Murk, A.	9/5/57	U
CNLM-184	AEC-320 Revised Form Page 4 and 5 Subject: In-pile Liquid Metal Forced Convection Loop	Parks, G.	9/5/57	SRD
CNLM-185	Revised AEC Form 320	Beardsley, G.	9/5/57	U
CNLM-186	Reactor Controls Group Progress Report for the Month of August 1957	Elsaesser, F.	9/6/57	CRD
CNLM-187	Shield Weight for 350 MW Li-Cb Reactor, Lo Level Mission	Dee, J.	9/6/57	CRD
CNLM-188	Progress Report for the Month of August	Chalfant, A.	9/9/57	CRD
CNLM-189	Lithium Program Progress Report for Week Ending September 6, 1957	Freed, M.	9/9/57	CRD
CNLM-190	Experimental Physics Group Progress Report for Weeks Ending 8/30/57 and 9/6/57	Kennedy, W.	9/9/57	CRD
CNLM-191	Engineering Order Supplements	Worsley, R.	9/10/57	U
CNLM-192	Preliminary Corrosion Report on Loop LCSB-1B1	Maximowicz, H.	9/9/57	CRD
CNLM-193	Summary of SIR Control Mechanism	Gagnon, R.	9/10/57	CRD
CNLM-194	Controls Group A - Progress Report for the Week Ending September 7, 1957	Hilley, M.	9/10/57	U
CNLM-195	Preliminary Corrosion Report on Loop LTSF-1F1	Maximowicz, H.	9/10/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-196	Weekly Progress Report for Week Ending September 6, 1957	Wesbecher, J.	9/10/57	CRD
CNLM-197	Propulsion Machinery Development Progress Report for the Month of August, 1957	Meyer, R.	9/11/57	U
CNLM-198	Reactor Controls and Systems Analysis Progress Report for the Week Ending September 7, 1957	Elsaesser, F.	9/11/57	U
CNLM-199	Shield and Reactor Weights for the Low Power Na-SS SFR as Requested by the Navy for Three Altitudes, Three Reactor Powers and Two Dose Limits	Ruby, D.	9/11/57	CRD
CNLM-200	Columbium Classification	Beardsley, G.	9/12/57	U
CNLM-201	Design Requirements for Two Thermal Cycling Stands	Tillman, E.	9/13/57	CRD
CNLM-202	Analysis of Amounts Invoiced Contract AT 11-1-229 July, 1957	St. Arnauld, M.	9/13/57	U
CNLM-203	Analysis of Amounts Invoiced Contract AF 33-038-27341 July, 1957	St. Arnauld, M.	9/13/57	U
CNLM-204	Summary of Cost July, 1957 Contracts AF 33-038-27341 AT 11-1-229	St. Arnauld, M.	9/13/57	U
CNLM-205	Engineering and Development Contract AF 33-038-27341 July, 1957	St. Arnauld, M.	9/13/57	U
CNLM-206	Monthly Report of Contractor Employment AEC	St. Arnauld, M.	9/13/57	U
CNLM-207	Lithium Program Progress Report for Week Ending September 13, 1957	Freed, M.	9/16/57	CRD
CNLM-208	Shield Weight Required for Mission Analysis	Gray, W.	9/16/57	CRD
CNLM-209	"Our Letter of June 11, 1957 and January 24, 1957"	Schmickrath, B.	9/16/57	CRD
CNLM-210	Work Statement Covering Your Development of Stacked Wafer Assembly	Raring, L.	9/16/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-211	Controls Group Progress Report for the Month of August	Palmer, R.	9/16/57	U
CNLM-212	Re-Shielding Study	Beardsley, G.	9/16/57	CRD
CNLM-213	Tables on Shielding	Beardsley, G.	9/16/57	SRD
CNLM-214	Progress Report for Month of August, 1957	Strough, R.	9/17/57	CRD
CNLM-215	Classified Material Specification	Davis, D.	9/17/57	SRD
CNLM-216	Experimental Lithium Corrosion Program	Raring, L.	9/17/57	SRD
CNLM-217	Reactor Controls and Systems Analysis Progress Report for Week Ending September 14, 1957	Elsaesser, F.	9/17/57	U
CNLM-218	Summary and Conclusions of the Helium Cycle Study	Beardsley, G.	9/17/57	U
CNLM-219	A Study of a Nuclear Propulsion System With Manned Supersonic Flight Potential	Beardsley, G.	9/17/57	SRD
CNLM-220	Weekly Progress Report for Week Ending September 13, 1957	Wesbecher, J.	9/17/57	CRD
CNLM-221	Surplus Salt Transfer Containers	Beardsley, G.	9/19/57	U
CNLM-222	Calamar Metal Powder	Milliken, C.	9/19/57	CRD
CNLM-223	Progress Report for August 1957 Controls, Electronics, and Instrumentation Groups	Beardsley, G.	9/20/57	U
CNLM-224	Materials Laboratory Progress Reports for August, 1957	Raring, L.	9/20/57	CRD
CNLM-225	Lithium Program Progress Report for Week Ending September 20, 1957	Freed, M.	9/23/57	CRD
CNLM-226	Reactor Controls and Systems Analysis Progress Report for Week Ending September 21, 1957	Elsaesser, F.	9/24/57	CRD
CNLM-227	Quarterly Progress Report for Period Ending September 30, 1957	Wesbecher, J.	9/24/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-228	Li-Cb Fast Reactor	Dickson, J.	9/25/57	CRD
CNLM-229	Columbium Information	Raring, L.	9/25/57	CRD
CNLM-230	Patent Application, Project No. A-303	Tasker, M.	9/25/57	U
CNLM-231	Patent Application, Project No. A-303	Tasker, M.	9/25/57	CDI
CNLM-232	Drawings for Patent Application A-303	Tasker, M.	9/25/57	U
CNLM-233	Summary of Operations	Fine, A.	9/26/57	CRD
CNLM-234	Monthly Progress Report Under Contract AF 33(038)-27341	Schmickrath, B.	9/26/57	CRD
CNLM-235	Final Report - Project 1014 - Fusion Welding of Container Weld't Control Element (T-281 908)	Kollman, K.	9/27/57	U
CNLM-236	Final Report - Project 135 - Braze Radiator Section	Peterson, C.	9/27/57	U
CNLM-237	Final Report - Project 1314 - Induction Shrink Fit Molybdenum Ring into Inconel X Body (Simulating Seat Valve for Liquid Metal Stop Valve #T-293465)	Peterson, C.	9/27/57	U
CNLM-238	Letter to F. Cleveland, Lockheed Aircraft Corp., Marietta, Ga.	Beardsley, G.	9/30/57	CRD
CNLM-239	Minutes of the CANEL Welding and Brazing Committee Meeting of September 4, 1957	Cote, L.	9/30/57	U
CNLM-240	Experimental Physics Group Progress Report for Weeks Ending 9/13/57 and 9/17/57	Trapp, D.	9/30/57	CRD
CNLM-241	Performance Group Progress Report for Month of September, 1957	Lingenfelter, C.	10/1/57	CRD
CNLM-242	Lithium Program Progress Report for Week Ending September 25, 1957	Freed, M.	10/1/57	CRD
CNLM-243	Reactor Controls and Systems Analysis Progress Report for Week Ending September 28, 1957	Elsaesser, F.	10/1/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-244	Progress Report for Month Ending September 30, 1957	Carson, A.	10/1/57	CRD
CNLM-245	Materials for Thermal Expansion and Heat Capacity Measurements	Harrington, L.	10/1/57	CRD
CNLM-246	Progress Report - 3rd Quarter 1957	Kelly, R.	10/2/57	CRD
CNLM-247	Amendment No. 2 to PWAC-184 Feasibility Report on Critical Experiment Program No. 1 at CANEL	Beardsley, G.	10/2/57	U
CNLM-248	Reactor Controls and Systems Analysis Progress Report for Month of September, 1957	Elsaesser, F.	10/2/57	CRD
CNLM-249	Pump Conditions for Advanced Coolant Reference Reactor	Tiedemann, H.	10/3/57	CRD
CNLM-250	Contract AF 33(038)-27341	Meyer, R.	10/3/57	U
CNLM-251	The Experimental Group Progress Report for Week Ending September 27, 1957	Trapp, D.	10/3/57	CRD
CNLM-252	Summary of Cost, August 1957 Contracts AF 33-038-27341 - AT 11-1-229	St. Arnauld, M.	10/4/57	U
CNLM-253	Analysis of Amounts Invoiced Contract AT 11-1-229 August, 1957	St. Arnauld, M.	10/4/57	U
CNLM-254	Analysis of Amounts Invoiced Contract AF 33-038-27341 August, 1957	St. Arnauld, M.	10/4/57	U
CNLM-255	Engineering and Development - Contract AF 33-038-27341 August, 1957	St. Arnauld, M.	10/4/57	U
CNLM-256	Analog Study of Temperature Distribution in Fast Reactor Reflector	Baer, R.	10/4/57	CRD
CNLM-257	Lithium Program Progress Report for Week Ending October 4, 1957	Freed, M.	10/4/57	CRD
CNLM-258	Reactor Designations	Beardsley, G.	10/7/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-259	Preliminary Data and Information on Reactors	Meyer, R.	10/7/57	CRD
CNLM-260	Flux Measurements in the Forced Convection, Liquid Metal Cooled In-pile Loop	Vassallo, D.	10/7/57	CRD
CNLM-261	Forecast of Nuclear Material Requirements	Kelly, R.	10/8/57	CRD
CNLM-262	Reactor Control and Systems Analysis Progress Report for Week Ending October 5, 1957	Elsaesser, F.	10/8/57	CRD
CNLM-263	Work Statement for Material With Radex Contents Purchase Order No. 701127	Osgood, H.	10/8/57	U
CNLM-264	Powerplant Performance and Radiator Development Progress Report for the Month of September, 1957	Meyer, R.	10/9/57	U
CNLM-265	High Temperature Resistance and Development Program for Liquid-Metal to Air Radiators	Daddario, A.	10/9/57	CRD
CNLM-266	Two Drawings F.E. Detail End Caps and Cladding	Parks, G.	10/10/57	CRD
CNLM-268	Out Letter September 10, 1957 Re: Surplus Salts	Beardsley, G.	10/10/57	CRD
CNLM-269	Progress Report for the Month of September	Chalfant, A.	10/11/57	CRD
CNLM-270	Budget and Manpower Forecast	Bliss, P.	10/11/57	U
CNLM-271	Preliminary Corrosion Report on Loop LSSB-9R1	Abrams, E.	10/11/57	U
CNLM-272	Work Statement for Columbium Material	Osgood, H.	10/11/57	U
CNLM-274	Monthly Progress Report for September, 1957	Dytko, E.	10/14/57	CRD
CNLM-275	Requirements for U ²³⁵ and Normal Uranium	Holtsinger, C.	10/14/57	U
CNLM-276	Requirements for U ²³⁵ and Normal Uranium	Holtsinger, C.	10/14/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-277	Materials Laboratory Progress Report for September, 1957	Raring, L.	10/14/57	CRD
CNLM-278	Lithium Program Progress Report for Week Ending October 11, 1957	Freed, M.	10/15/57	CRD
CNLM-279	Minutes of the CANEL Welding and Brazing Committee Meeting of October 2, 1957	Cote, L.	10/21/57	U
CNLM-280	Feasibility Report Data for Assembly, Operation and Disassembly of In-pile Loop Flux Monitoring Experiments	Parks, G.	10/15/57	CRD
CNLM-281	Reactor Control and Systems Analysis Progress Report for the Week Ending October 12, 1957	Elsaesser, F.	10/15/57	U
CNLM-282	Page One of PWAC-231	Oickle, C.	10/15/57	U
CNLM-283	Progress Report for Month of September, 1957	Strough, R.	10/15/57	CRD
CNLM-284	The Experimental Group Progress Report for Week Ending October 4, 1957	Trapp, D.	10/15/57	U
CNLM-285	Preliminary Corrosion Report on Loop LSSB-10N4	Ackermann, W.	10/15/57	U
CNLM-286	Controls Group Progress Report for the Month of September, 1957	Palmer, R.	10/15/57	U
CNLM-287	Progress Report for September 1957 - Controls, Electronics, and Instrumentation	Beardsley, G.	10/15/57	U
CNLM-288	The Experimental Group Progress Report for Week Ending October 11, 1957	Trapp, D.	10/16/57	U
CNLM-289	Final Report - Project #220 - Machining of Elongated Slots in the Quarter Section Radiator With the "Jiffy" Disintegrator	Asmond, L.	10/16/57	U
CNLM-290	Lithium Program Progress Report for Week Ending October 18, 1957	Freed, M.	10/21/57	CRD
CNLM-291	Classification	Miller, J.	10/21/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-292	Preliminary Corrosion Report on Loop LSSK-1A1	Abrams, E.	10/21/57	U
CNLM-293	Reactor Control and Systems Analysis Progress Report for Week Ending October 19, 1957	Elsaesser, F.	10/21/57	U
CNLM-294	Columbium Releases - Open	Comstock, J.	10/25/57	U
CNLM-295	Monthly Progress Report Under Contract AF 33(038)-27341	Schmickrath, B.	10/22/57	CRD
CNLM-296	Request for Physics Calculations	Dickson, J.	10/22/57	CRD
CNLM-297	Information on Diffusers Radiators and Turning Vanes	Beardsley, G.	10/22/57	U
CNLM-298 (Supp. A)	Preliminary Corrosion Report on Loop LSSK-1A1	Abrams, E.	10/22/57	U
CNLM-299	Preliminary Corrosion Report on Loop LTTB-1E1	Ackermann, W.	10/23/57	CRD
CNLM-300	Rough Draft of Proposed Cermet Fuel Element Program	Chalfant, A.	10/23/57	CRD
CNLM-301	The Experimental Group Progress Report for Week Ending 10/18/57	Trapp, D.	10/23/57	U
CNLM-302	Changes in Number and Design of Enriched Samples	Kuhns, R.	10/24/57	U
CNLM-303	Columbium Information	Raring, L.	10/24/57	U
CNLM-304	Solid Fuel Reactor Performance Summary Based on Advanced Low CPR Turbojet Engines	Lingenfelter, C.	10/25/57	CRD
CNLM-305	Marine Gas-Cooled Reactor Presentation Charts	Witherspoon, J.	10/25/57	U
CNLM-306	Solid Fuel Reactor Powerplant Performance Based on Modified J-91 Type Turbojet Engine	Lingenfelter, C.	10/25/57	CRD
CNLM-307	Solid Fuel Reactor Performance Summary Based on Optimum Ramjet Engines	Lingenfelter, C.	10/25/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-308	Work Statement for Columbium Material	Osgood, H.	10/25/57	U
CNLM-309	System Limitations for PWAR-8 (Li-Cb-Be-SFR)	Berlin, R.	10/29/57	CRD
CNLM-310	Lithium Program Progress Report for Week Ending October 25, 1957	Freed, M.	10/28/57	CRD
CNLM-311	Preliminary Radiator Design Conditions for Advanced Reactors	Gray, W.	10/30/57	CRD
CNLM-312	Reactor Control and Systems Analysis Progress Report for the Week Ending October 26, 1957	Elsaesser, F.	10/30/57	CRD
CNLM-313	Requested Physics Calculations	Dickson, J.	10/31/57	CRD
CNLM-314	Reactor Engineering and Propulsion Machinery Test Experience	Doak, R.	10/31/57	U
CNLM-315	The Experimental Group Progress Report for the Week Ending 10/25/57	Trapp, D.	10/31/57	U
CNLM-316	Suggested List of Items for NACA Investigations and Research	Meyer, R.	10/31/57	CRD
CNLM-317	Recommended Development Program for Cermet Type Fuel Elements	Kuhns, R. Kelly, R.	11/4/57	CRD
CNLM-318	Additional Programs on Fuel Elements Other Than the Cermet Type Which Should be Considered	Kuhns, R.	11/4/57	CRD
CNLM-319	Analysis of Amounts Invoiced Contract AF 33-038-27341 September, 1957	St. Arnauld, M.	11/6/57	U
CNLM-320	Analysis of Amounts Invoiced Contract AT 11-1-229 September 1957	St. Arnauld, M.	11/6/57	U
CNLM-321	Summary of Cost - September, 1957 Contract AF 33-038-27341 AT 11-1-229	St. Arnauld, M.	11/6/57	U
CNLM-322	Engineering and Development Contract AF 33-038-27341 September, 1957	St. Arnauld, M.	11/6/57	U
CNLM-323	Polarizing Microscopes and Crystal Data	Kelly, K.	11/1/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-324	Request for a Study of Temperature Distribution by Electrical Analog	Broyles, J.	11/1/57	U
CNLM-325	Sodium-Type 316 Stainless Steel Technology	Beardsley, G.	11/1/57	SRD
CNLM-326	Enclosure Tables for CNLM-325	Beardsley, G.	11/1/57	SRD
CNLM-327	Curve: Tensile Properties vs. Temperature Enclosure for CNLM-325	Beardsley, G.	11/1/57	U
CNLM-328	Curve: Creep Strength vs Temperature Enclosure for CNLM-325	Beardsley, G.	11/1/57	U
CNLM-329	Curve: Stress-Rupture Strength vs. Temperature	Beardsley, G.	11/1/57	U
CNLM-330	Heat Exchanger Group Monthly Progress Report for October, 1957	Daddario, A. Denny, J.	11/5/57	CDI
CNLM-331	Shield Calculation Request PWAR-9	Dickson, J.	11/5/57	CRD
CNLM-332	Forced Convection Lithium Corrosion Loops to be Tested by January 1, 1958	Chalfant, A.	11/5/57	CRD
CNLM-333	The Experimental Group Progress Report for the Week Ending 11/1/57	Trapp, D.	11/5/57	CRD
CNLM-334	Reactor Control and Systems Analysis Progress Report for the Month of October, 1957	Elsaesser, F.	11/5/57	CRD
CNLM-335	Reactor Control and Systems Analysis Progress Report for the Week Ending November 2, 1957	Elsaesser, F.	11/5/57	CRD
CNLM-336	Operation of Thermal Convection Loops Stand X-473	Donnelly, E.	11/7/57	U
CNLM-337	Powerplant Performance and Radiator Development Progress Report for the Month of October 1957	Meyer, R.	11/8/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-338	Radiator Design Conditions for Lithium-Columbium Solid Fuel Reactors	Larson, J.	11/8/57	CRD
CNLM-339	Monthly Progress Report for October	Carson, A.	11/8/57	CRD
CNLM-340	Progress Report for Month of October	Chalfant, A.	11/8/57	CRD
CNLM-341	Axial Flow Diffuser Data Taken at Research Department	Smith, L. Katz, M.	11/8/57	CDI
CNLM-342	Monthly Progress Report for October, 1957	Dytko, E.	11/11/57	CRD
CNLM-343	Final Report - Project 125 Resistance Weld Tube to Tube	Rossi, A.	11/11/57	U
CNLM-344	Minutes of the CANEL Welding and Brazing Committee Meeting of November 6, 1957	Cote, L.	11/13/57	U
CNLM-345	Comments on Patent Project A-430	Lingenfelter, C.	11/11/57	U
CNLM-346	Reactor Controls and System Analysis Progress Report for Week Ending November 9, 1957	Elsaesser, F.	11/12/57	CRD
CNLM-347	Proposal Maritime Gas Cooled Reactor and Powerplant - September 27, 1957	n.a.	11/12/57	U
CNLM-347-1	Proposal Presentation Maritime Gas-Cooled Powerplant Pictorial Summary	n.a.	1/5/58	U
CNLM-348	Abridged Summary of Forced Convection Lithium Corrosion Test Conducted to November 8, 1957	Wesbecher, J.	11/12/57	CRD
CNLM-349	Telephone Contact With Airplane Companies Working on ANP Studies	Meyer, R.	11/12/57	CDI
CNLM-350	The Experiment Group Progress Report for the Week Ending 11/8/57	Trapp, D.	11/13/57	CRD
CNLM-351	Lithium Progress Report for Week Ending November 8, 1957	Freed, M.	11/12/57	CRD
CNLM-352	Powerplant Performance Studies	Meyer, R.	11/14/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-353	Lithium Program	Schmickrath, B.	11/14/57	CRD
CNLM-354	Progress Report for October, 1957	Strough, R.	11/14/57	CRD
CNLM-355	Memorandum	Beardsley, G.	11/15/57	U
CNLM-356	Metallographic Examination of Columbium Tubing in Various Conditions	Ingersoll, R.	11/15/57	CRD
CNLM-357	Memorandum	Beardsley, G.	11/18/57	CRD
CNLM-358	Classification	Miller, J.	12/2/57	CRD
CNLM-359	Physics Request for PWAR-11	Dickson, J.	11/19/57	CRD
CNLM-360	Materials Laboratory Progress Report for October, 1957	Raring, L.	11/19/57	CRD
CNLM-361	... Clad UO ₂ ... Fuel Element Made by Co-extrusion	n.a.	11/19/57	SRD
CNLM-362	Controls Group Progress Report for Month of October, 1957	Palmer, R.	11/19/57	CRD
CNLM-363	The Experimental Group Progress Report for the Week Ending 11/15/57	Trapp, D.	11/19/57	CRD
CNLM-364	Reactor Controls and System Analysis Progress Report for the Week Ending November 16, 1957	Elsaesser, F.	11/19/57	CRD
CNLM-365	Progress Report for October Controls, Electronics, and Instrumentation Groups	Beardsley, G.	11/20/57	CRD
CNLM-366	A Meteorological Survey of the CANEL Site Autumn and Winter 1956 and 1957	O'Connell, H.	11/21/57	U
CNLM-367	Summary of SFR Coolant Conditions	Costomiris, G.	11/22/57	CRD
CNLM-368	Metallographic Examination of Columbium Pump Loops LCCU-1 LCSA-1D1 and ICSB-131	Ingersoll, R. Goodenow, R.	11/22/57	CRD
CNLM-370	Analysis of Amounts Invoiced Contract AF 33-038-27341 October, 1957	St. Arnauld, M.	11/26/57	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-371	Analysis of Amounts Invoiced Contract AT 11-1-229 October, 1957	St. Arnauld, M.	11/26/57	CDI
CNLM-372	Summary of Cost - October, 1957 Contracts AF 33-038-27341 and AT 11-1-229	St. Arnauld, M.	11/26/57	U
CNLM-373	Engineering and Development Contracts AT 11-1-229 and AF 33-038-27341 Commitment Status October, 1957	St. Arnauld, M.	11/26/57	U
CNLM-374	Application: 'Thermal Scheme'	Schenck, H.	11/26/57	SRD
CNLM-375	Reactor Controls and System Analysis Progress Report for the Week Ending November 23, 1957	Elsaesser, F.	11/26/57	CRD
CNLM-376	Analysis of Operating Costs Incurred by Operating Contractor Contract AT 11-1-229	St. Arnauld, M.	11/26/57	U
CNLM-377	Request for Reactor Data	Gray, W.	11/27/57	CRD
CNLM-378	Summary of Operations - Schedule for Assembly of Support and Tubes - Part Number T-1006649	Banowich, B.	11/27/57	U
CNLM-379	Request for Reactor Shield Data	Gray, W.	11/27/57	CRD
CNLM-380	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	11/27/57	CRD
CNLM-381	Heat Exchanger Group Monthly Progress Report for November, 1957	Daddario, A. Denny, J.	11/27/57	CDI
CNLM-382	Loop Test Priorities	Wesbecher, J.	12/1/57	CRD
CNLM-383	Suggested Preliminary Design Program for PWAR-11	Dickson, J.	12/2/57	CRD
CNLM-384	Request for Nuclear Missile Reactor and Shielding Data	Larson, J.	12/3/57	CRD
CNLM-385	Columbium Report	Raring, L.	12/3/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-386	Advanced Low Compression Turbojet Engine	Larson, J.	12/3/57	CRD
CNLM-387	The Experimental Group Progress Report for the Weeks Ending 11/22/57 and 11/29/57	Trapp, D.	12/3/57	CRD
CNLM-388	Classification	Miller, J.	12/3/57	U
CNLM-389	Reactor Control and Systems Analysis Progress Report for the Week Ending November 30, 1957	Elsaesser, F.	12/4/57	U
CNLM-390	Reactor Controls and Systems Analysis Progress Report for the Month of November	Elsaesser, F.	12/4/57	CRD
CNLM-391	Classified Guide for CANEL Operations Preliminary Draft November 26, 1957	Beardsley, G.	12/4/57	CRD
CNLM-392	Discussion Session Transcription of the Lithium Symposium	Kelly, K.	12/5/57	CRD
CNLM-393	Monthly Progress Report for November, 1957	Carson, A.	12/5/57	CRD
CNLM-394	Report for the Month of November	Chalfant, A.	12/5/57	CRD
CNLM-395 (Rev. A)	Analysis of Amounts Invoiced Contract AT 11-1-229 October 1957	St. Arnauld, M.	12/5/57	U
CNLM-396	Monthly Progress Report for November, 1957	Dytko, E.	12/6/57	CRD
CNLM-397	Performance Group Progress Report for November, 1957	Lingenfelter, C.	12/6/57	CDI
CNLM-398	Re: Your Letter of November 22, 1957	Beardsley, G.	12/9/57	U
CNLM-399	Pratt and Whitney Aircraft Nuclear Propulsion Program	n.a.	12/9/57	U
CNLM-400	Transmittal of PWAR-12 Reactor Shield Weight Estimates for Supersonic Bombers and Ram Jet Missiles	Woodsum, H.	12/9/57	CRD
CNLM-401	Re: Your Request: Summary of the P&WA Fuel Plate Irradiation Experiments	Chalfant, A.	12/9/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-402	Active List of Engineering Order Supplements	Smith, S.	12/11/57	CRD
CNLM-403	Preliminary Design Program for PWAR-12	Chalfant, A.	12/10/57	CRD
CNLM-404	"Our Telephone Conversation of December 6, 1957"	Kuhns, R.	12/10/57	U
CNLM-405	Reactor Controls and Systems Analysis Progress Report for the Week Ending December 7, 1957	Elsaesser, F.	12/10/57	U
CNLM-406	Physics Calculations for PWAR-12B (1 Mw Test Reactor)	Dickson, J.	12/11/57	CRD
CNLM-407	Preliminary Considerations of Out of Pile Fuel Element Test Program	Bigelow, C.	12/11/57	CRD
CNLM-408	Experimental Group Progress Report for the Week Ending 12/6/57	Trapp, D.	12/11/57	U
CNLM-409	Progress Report for Month of November, 1957	Strough, R.	12/11/57	CRD
CNLM-410	Progress Report for Month of November, 1957	Meyer, R.	12/11/57	CRD
CNLM-411	Controls Group Progress Report for Month of November, 1957	Palmer, R.	12/12/57	U
CNLM-412	Supplements to Reports Correcting Shield Weights	Meyer, R.	12/12/57	U
CNLM-413	Test of Nickel-Base Materials With Lithium	Freed, M.	12/13/57	CRD
CNLM-414	Minutes of the CANEL Welding and Brazing Committee Meeting of December 4, 1957	Cote, L.	12/19/57	U
CNLM-415	Supplement to AEC 320 Form Entitled Material Activation Irradiation and Designated PW-14	Beardsley, G.	12/13/57	CRD
CNLM-416	Effects on Shield Weight	Beardsley, G.	12/13/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-417	Re: In Accordance with Our Telephone Conversation of 11/25 We are Sending Four Columbium Samples to You	Kelly, K.	12/16/57	CRD
CNLM-418	The Following is a Suggested List of Charts	Holtsinger, C.	12/17/57	CRD
CNLM-419	Proposed Capsule Irradiation Test Schedule for Sylvania Pins (Isostatic Pressing)	Triner, N.	12/18/57	CRD
CNLM-420	Request for Electrical Analog Study	Stoner, W.	12/18/57	U
CNLM-421	Progress Report for November Controls, Electronics, and Instrumentation Groups	Beardsley, G.	12/18/57	U
CNLM-422	Reactor Controls and Systems Analysis Progress Report for the Week Ending December 14, 1957	Elsaesser, F.	12/18/57	U
CNLM-423	Solid Fuel Reactor and Shield Data Summary	Beardsley, G.	12/19/57	CRD
CNLM-424	Restrictive Usage Notices	Miller, J.	12/30/57	U
CNLM-425	Materials Laboratory Progress Report for November, 1957	Raring, L.	12/20/57	CRD
CNLM-426	Comparison of S.I.R. and PWAR-5 Fuel Elements	n.a.	12/20/57	CRD
CNLM-427	Average Values Used in Shield Optimization Input	Beardsley, G.	12/20/57	CRD
CNLM-428	Shield Optimization Code Perturbation Formulas	Beardsley, G.	12/20/57	CRD
CNLM-429	Determination of Neutron and Gamma Input Information for Shield Optimization Code	Beardsley, G.	12/20/57	U
CNLM-430	Experimental Group Progress Report for the Week Ending 12/13/57	Trapp, D.	12/23/57	CRD
CNLM-431	Classification	Miller, J.	1/2/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-432	Reactor Controls and Systems Analysis Progress Report for the Week Ending December 21, 1957	Elsaesser, F.	12/24/57	U
CNLM-433	Preliminary Studies of Nuclear Ramjets	Meyer, R.	12/24/57	CRD
CNLM-434	"In Reference to the Discussions Between Our Representatives and Mr. Kates"	Davis, E.	12/27/57	CRD
CNLM-435	Proposed Forced Convection Lithium Corrosion Loop Program Through February 1, 1957	Chalfant, A.	12/26/57	CRD
CNLM-436	Analysis of Amounts Invoiced Contract AF 33-038-27341 November, 1957	St. Arnauld, M.	12/27/57	U
CNLM-437	Analysis of Amounts Invoiced Contract AT 11-1-229 November, 1957	St. Arnauld, M.	12/27/57	U
CNLM-438	Summary of Cost - Contracts AF 33-038-27341 and AT 11-1-229	St. Arnauld, M.	12/27/57	U
CNLM-439	Engineering and Development Contract AT 11-1-229 and AF 33-038-27341 Commitment Status November, 1957	St. Arnauld, M.	12/27/57	U
CNLM-440	Physics Requests for PWAR-12	Dickson, J.	12/27/57	CRD
CNLM-441	EOS List with Corresponding W. O. Numbers	Comstock, J.	12/27/57	CRD
CNLM-442	Reactor Controls and Systems Analysis Progress Report for the Week Ending December 28, 1957	Elsaesser, F.	12/31/57	U
CNLM-443	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	12/31/57	CRD
CNLM-444	The Experimental Group Progress Report for the Week Ending 12/20/57	Trapp, D.	12/31/57	U
CNLM-445	Summary of Heat Transfer Calculations	Parks, G.	12/31/57	CRD
CNLM-446	Enclosure to CNLM-445	n.a.	12/31/57	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-447	Current EOS	Dee. J.	12/31/57	U
CNLM-448	Reactor Controls and Systems Analysis Progress Report for the Month of December, 1957	Elsaesser, F.	12/31/57	CRD
CNLM-449	Heat Exchanger Group Monthly Progress Report for December, 1957	Daddario, A. Denny, J.	12/31/57	U
CNLM-450	Monthly Progress Report for Month of December, 1957	Carson, A.	12/31/57	CRD
CNLM-451	Experimental Group Progress Report Week Ending 12/27/57	Trapp, D.	1/2/58	CRD
CNLM-452	Quarterly Progress Report Ending December 31, 1957	Carson, A.	1/2/58	CRD
CNLM-453	Status of Columbium Procurement	Leon, J.	1/3/58	U
CNLM-454	Request for Facilities Clearances	Leon, J.	1/3/58	U
CNLM-455	Final Report - Project #173	Goodin, L.	1/6/58	U
CNLM-456	Performance Group Progress Report for December, 1957	Lingenfelter, C.	1/6/58	CRD
CNLM-457	Variation of Thrust and Drag with Flight Machine Number	Larson, J.	1/7/58	CDI
CNLM-458	Active List of Engineering Order Supplement	Smith, S.	1/10/58	CRD
CNLM-459	Re: Temescal Metallurgical Corporation, Richmond, Calif.	Beardsley, G.	1/8/58	CRD
CNLM-460	ICBM Single Stage Nuclear Rocket	Miller, J.	1/9/58	CRD
CNLM-461	Work Statement for Columbium Material with Zirconium Contents as Per CMS-1810	Osgood, H.	1/9/58	U
CNLM-462	Experimental Group Progress Report for the Week Ending 1/3/58	Trapp, D.	1/9/58	CRD
CNLM-463	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	CRD
CNLM-464	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-465	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	CRD
CNLM-466	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	U
CNLM-467	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	U
CNLM-468	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	U
CNLM-469	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	U
CNLM-470	Forecast of Nuclear Materials Requirements	Holtsinger, C.	1/9/58	U
CNLM-471	Progress Report for Month of December, 1957	Dytko, E.	1/10/58	CRD
CNLM-472	Work Statement for Accoutable Material Re: P. O. #443046	Osgood, H.	1/10/58	U
CNLM-472 (Supp. 1)	Supplement to CNLM Concerning Purchase of Material	Osgood, H.	1/14/58	U
CNLM-473	Progress Report for Month of December, 1957	Meyer, R.	1/13/58	CRD
CNLM-474	Radiator Estimate Request	Gray, W.	1/13/58	U
CNLM-475	Meeting with Dr. T.R.P. Gibb, Jr. on January 6, 1958	Campbell, W.	1/13/58	CRD
CNLM-476	Reactor Controls and Systems Analysis Progress Report for the Week Ending January 11, 1958	Elsaesser, F.	1/14/58	U
CNLM-477	Estimated Major Equipment Cost for FY 1959	Chalfant, A.	1/14/58	U
CNLM-478	Controls Group Progress Report for Month of December, 1957	Palmer, R.	1/15/58	CRD
CNLM-479	Burn-up Specimens for NM1 Capsules	Parks, A.	1/15/58	CRD
CNLM-480	Progress Report for 12/57 - Controls, Electronics, and Instrumentation Group	Beardsley, G.	1/15/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-481	Progress Report for Month of December, 1957	Strough, R.	1/15/58	CRD
CNLM-482	Shield Weight Request	Gray, W.	1/15/58	CRD
CNLM-483	Loop Schedule	Wesbecher, J.	1/16/58	CRD
CNLM-484	Micro-inspection of Fuel	Kulp, R.	1/16/58	U
CNLM-485	Proposed Capsule Irradiation Test Program for Sylvania Pins and NMI Tubes(...)	Triner, N.	1/17/58	CRD
CNLM-486	Work Statement for Purchase Order AEC-10805	Osgood, H.	1/17/58	CRD
CNLM-487	Estimated Weight and Center of Gravity of Low Compression Supersonic Engine (LR-100311)	Manning, R.	1/17/58	U
CNLM-488	Pratt and Whitney Aircraft Purchase Order AEC-10805 with U.S. Atomic Energy Commission	Joslin, S.	1/17/58	U
CNLM-489	In-pile Capsule-Coffin Shielding Study	Parks, A.	1/17/58	CRD
CNLM-490	Materials Laboratory Progress Report for December, 1957	Raring, L.	1/20/58	CRD
CNLM-491	Burn-up Specimens for NMI Capsules	Parks, A.	1/20/58	CRD
CNLM-492	Experimental Group Progress Report for the Week Ending 1/10/58	Trapp, D.	1/20/58	U
CNLM-493	Estimated Major Equipment Costs for FY 1959 and 1960	Chalfant, A.	1/20/58	U
CNLM-494	Work Statement for Purchase Order AEC 10807	Osgood, H.	1/21/58	CRD
CNLM-495	Work Statement for Purchase Order AEC 10808	Osgood, H.	1/21/58	CRD
CNLM-496	Work Statement for Purchase Order AEC 10809	Osgood, H.	1/21/58	CRD
CNLM-497	Work Statement for Purchase Order AEC 10810	Osgood, H.	1/21/58	CRD
CNLM-498	Columbium Exposure Test	Niro, J.	1/24/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-499	Revised Statement of Work - Development of Tubular Elements by Nuclear Metals, Inc., for Pratt and Whitney Aircraft Div. UAC	Davis, E.	1/21/58	CRD
CNLM-500	Tool Engineering - CANEL Operations Index of Projects	n.a.	1/22/58	U
CNLM-501	Tool Engineering - Connecticut Operations - CANEL - Index of Projects	n.a.	1/22/58	U
CNLM-502	Columbium Compatibility in Hot Sodium	Parks, A.	1/22/58	CRD
CNLM-503	Minutes of the CANEL Welding and Brazing Committee Meeting of January 10, 1958	Cote, L.	1/23/58	U
CNLM-504	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	1/23/58	CRD
CNLM-505	Experimental Group Progress Report for the Week Ending 1/17/58	Trapp, D.	1/23/58	U
CNLM-506	Pratt and Whitney Aircraft Purchase Orders AEC-10807, AEC-10808, AEC-10809, and AEC-10810 with U.S. Atomic Energy Commission	Joslin, S.	1/23/58	U
CNLM-507	Columbium Progress Report	Raring, L.	1/23/58	CRD
CNLM-508	Comments on Patent Disclosure A-449 Turbo-Electric Powerplant	Lingenfelter, C.	1/23/58	U
CNLM-509	Design Studied for Lithium-Cooled Columbium Fast Test Reactors (PWAR-12A and 12B)	Chalfant, A.	1/24/58	CRD
CNLM-510	Tensile Properties of Fansteel Sintered, Wrought Columbium Bar	Burgess, K.	1/24/58	U
CNLM-511	The Progress of Our Lithium Corrosion Testing Program Since Last November	Schmickrath, B.	1/27/58	CRD
CNLM-512	Radiator Conditions for PWAR-9 Optimum Turbojet Powerplant	Gray, W.	1/27/58	CRD
CNLM-513	Fins for High Temperature Radiators	Ahern, J.	1/28/58	CDI

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-514	Notes for ORNL - P&WA ANP Research Conference	Dytko, E.	1/28/58	CRD
CNLM-515	Proposed Capsule Irradiation Test Schedule for CANEL ... Fuel Elements	Triner, N. Wells, C.	1/30/58	CRD
CNLM-516	Request for Information of the Absorption Cross Sections of Yttrium, Columbium, and Lithium-7 in Specified Range of Neutron Energies	Carson, A.	1/29/58	CRD
CNLM-517	Outline of Work on PWAR-12B through February 17	Dickson, J.	1/29/58	CRD
CNLM-518	Estimated Columbium Requirements for Fiscal Year 1959 for the Advanced Reactor Engineering Sections	Wesbecher, J.	1/29/58	CRD
CNLM-519	Project Proposal and Authorization AEC-189 Form	n.a.	2/10/58	CRD
CNLM-520	Active List of Engineering Order Supplements	Smith, S.	2/4/58	U
CNLM-521	Heat Exchanger Group Monthly Progress Report for January, 1958	Daddario, A.	1/31/58	U
CNLM-522	Mid-year Review of FY 1958 Program Analysis of Operating Costs by Month by Operations Office (In Thousands)	Reilly, J.	1/31/58	U
CNLM-523	Design of a 1 MW Resistance Heater	Wesbecher, J.	1/31/58	CRD
CNLM-524	Performance Group Progress Report for January, 1958	Lingenfelter, C.	1/31/58	CRD
CNLM-525	Briefing to the Scientific Advisory Committee to the President - January 22, 1958	n.a.	1/31/58	CRD
CNLM-526	Presents the Results of the P&WA Review of the Lockheed Aircraft Report LAC-141 Entitled "Nuclear Ramjet Bombardment Aircraft"	Holtsinger, C.	2/3/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-527	Reactor Controls and Systems Analysis Progress Report for the Week Ending February 1, 1958	Elsaesser, F.	2/4/58	U
CNLM-528	Preparation and Testing of Li-Mg Alloys	Kennedy, W.	2/5/58	CRD
CNLM-529	Classification	Miller, J.	2/7/58	CRD
CNLM-530	Welding and Brazing Development Group Advanced Tool Engineering	Peterson, C.	2/6/58	U
CNLM-531	Forced Convection In-pile Loop Development Schedule	Kelly, R.	2/6/58	U
CNLM-532	Results of Plastic Torsion Fatigue Testing - Second Progress Report	Kennedy, C.	2/19/58	CRD
CNLM-533	Request for Physics Calculations for PWAR-12	Woods, T.	2/6/58	CRD
CNLM-534	Experimental Group Progress Report for the Weeks Ending 1/24 and 1/31/58	Trapp, D.	2/6/58	CRD
CNLM-535	Progress Report for Month of January, 1958	Dytko, E.	2/7/58	CRD
CNLM-536	Proposal for Combined Hot Laboratory and Handling Facility for CANEL (Radio-active Waste)	Brown, A.	2/14/58	U
CNLM-537	Enclosures to CNLM-537 and CNLM-538 and CNLM-539	Mallet, L.	2/7/58	CRD
CNLM-538	Contract Proposal for Engineering Studies and Evaluation of Aircraft Nuclear Propulsion Systems	Mallet, L.	2/7/58	U
CNLM-539	Enclosure - B - to CNLM-537	Mallet, L.	2/7/58	U
CNLM-540	Breakdown of Cost Figures	DeNatale, J. Trapp, D.	2/10/58	U
CNLM-541	Budget Estimates - Enclosure to CNLM-519	Holtsinger, C.	2/10/58	U
CNLM-542	Breakdown of Estimated AEC Equipment Funds Enclosure to CNLM-519	Holtsinger, C.	2/10/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-543	Breakdown of Budget Reporting Categories Enclosure to CNLM-519	Holtsinger, C.	2/10/58	CRD
CNLM-544	Columbium Requirements for the Lithium Radiator Performance and Endurance Rigs	Meyer, R.	2/10/58	CRD
CNLM-545	Progress Report for Month of January, 1958	Meyer, R.	2/10/58	CRD
CNLM-546	Cost and Personnel Estimate for the High Temperature Lithium Radiator Test Program	Ahern, J.	2/10/58	CRD
CNLM-547	Revision of Capsule Irradiation Test Program for Sylvania Elements and NMI Tubes (...)	Triner, N.	2/11/58	CRD
CNLM-548	ETRC In-pile Loop Nuclear Mock-up Experiment and Fuel Element Test Specimen to be Used in the Initial P&W Forced Convection In-pile Loop	Parks, G.	2/11/58	CRD
CNLM-549	Outline for High Temperature Moderator Development Program	Dytko, E.	2/11/58	CRD
CNLM-550	Measurements of D-C Voltages	Atkinson, G.	1/21/58	U
CNLM-551	Pressure Drop of Core Sub-assemblies	Dickson, J.	2/12/58	CRD
CNLM-552	Requirements for the Current Program to Evaluate Lithium as a Reactor Coolant	Beardsley, G.	2/12/58	CRD
CNLM-553	Reactor Controls and Systems Analysis Progress Report for the Week Ending February 8, 1958	Elsaesser, F.	2/12/58	CRD
CNLM-554	Minutes of the CANEL Welding and Brazing Committee Meeting of February 5, 1958	Cote, L.	2/17/58	U
CNLM-555	Progress Report for Month of January, 1958	Strough, R.	2/11/58	CRD
CNLM-556	Analysis of Amounts Invoiced Contract AT 11-1-229, December 1957	Reilly, J.	2/12/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-557	Analysis of Amounts Invoiced - Contract AF 33-038-27431, December, 1957	Reilly, J.	2/12/58	U
CNLM-558	Engineering and Development Contract AT 11-1-229 and AF 33-038-27341 Commitment Status December, 1957	Reilly, J.	2/12/58	U
CNLM-559	Summary of Cost December, 1957 Contracts AF 33-038-27341 and AT 11-1-229	Reilly, J.	2/12/58	U
CNLM-560	Materials for High Temperature Lithium Radiator Endurance Test Rig	Daddario, A.	2/12/58	CRD
CNLM-561	Estimate of Required Experi- mental Physics R&D Materials Costs for Remainder of Fiscal 1958	Kennedy, W.	2/13/58	CRD
CNLM-562	CANEL Operations Nuclear Powerplant Performance Study Program	Meyer, R.	2/13/58	CRD
CNLM-563	Experimental Group Progress Report for the Week Ending 2/7/58	Trapp, D.	2/13/58	CRD
CNLM-564	Fox Project Time Schedule and Facilities Assumptions for Budget Forecast	n.a.	3/23/58	U
CNLM-565	Determination of the Mechanical and Physical Properties of Com- mercially Pure Consumable Electrode Melted Columbium (XM-104A) Program Number: 75	Burgess, K.	2/14/58	CRD
CNLM-566	Determination of the Mechanical and Physical Properties of Com- mercially Pure Consumable Electrode Melted Columbium (XM-147) Program Number: 76	Burgess, K.	2/14/58	CRD
CNLM-567	Determination of the Ultimate Tensile Strength of ...Stain- less Steel Clad to ...Stainless Steel Plus UO ₂ Mixture	Burgess, K.	2/14/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-568	Neutron Flux Requirements for Proposed High Power Capsules	Fine, A.	2/19/57	CRD
CNLM-569	Interesting Effects of Our Columbium Corrosion Program	Kelly, K.	2/17/58	CRD
CNLM-570	Materials Laboratory Progress Report January, 1958	Raring, L.	2/18/58	CRD
CNLM-571	Preliminary Investigation of Nuclear Powered Turbo-prop Control System	Elsaesser, F.	2/18/58	CRD
CNLM-572	Reactor Controls and Systems Analysis Progress Report for the Week Ending February 15, 1958	Elsaesser, F.	2/19/58	CRD
CNLM-573	Design Request for a High Temperature LM-3 Columbium Radiator Endurance Test Rig EOS 248, W.O. 400,000	Flynn, J.	2/19/58	CRD
CNLM-574	Non-Fund Transfers	Holtsinger, C.	2/20/58	CRD
CNLM-575	Crew Compartment Size	Meyer, R.	2/20/58	U
CNLM-576	Reassignment of Capsule Numbers	Parks, G.	2/20/58	CRD
CNLM-577	Connecticut Aircraft Nuclear Engine Laboratory Current Facilities, Middletown, Conn.	O'Connell, H.	2/21/58	U
CNLM-578	Experimental Group Progress Report for the Week Ending 2/14/58	Trapp, D.	2/21/58	U
CNLM-579	Microexamination of Sylvania Follod Plate Fuel Element Sections 4, 6, and 7 Thermal Shocked in Test	Goodenow, R.	2/21/58	CRD
CNLM-580	EOS 248	Flynn, J.	2/21/58	U
CNLM-581	Description of Our Revised Work Order Numbering System as it Affects the Classification and Security of Our Monthly Cost Reports to be Relayed to Mr. Teeter	Beardsley, G.	2/25/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-582	Additional Information of the Pump Research and Development Program Being Conducted Under Contract AT 11-1-229	Holtsinger, C.	2/26/58	U
CNLM-583	Experimental Group Progress Report for the Week Ending 2/21/58	Trapp, D.	2/27/58	U
CNLM-584	Classification	Miller, J.	3/5/58	U
CNLM-585	Classification and Security Directions for U-235 Enriched Material	Miller, J.	3/5/58	U
CNLM-586	Analysis of Amounts Invoiced Contract AF 33-038-27431 January, 1958	n.a.	2/28/58	U
CNLM-587	Analysis of Amounts Invoiced Contract AT 11-1-229 January, 1958	n.a.	2/28/58	U
CNLM-588	Summary of Cost, January, 1958 Contracts AF 33-038-27341 and AT 11-1-229	Comstock, J.	2/28/58	U
CNLM-589	Engineering and Development Contract AT 11-1-229 and AF 33-038-27341 Commitment Status January, 1958	Wesbecher, J.	2/28/58	U
CNLM-590	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	2/28/58	CRD
CNLM-591	Corrosion in Liquid Metals and Fused Salts	Kelly, K.	2/28/58	U
CNLM-592	Heat Exchanger Group Monthly Program Report for February 1958	Daddario, A.	3/3/58	U
CNLM-593	Performance Group Progress Report for February, 1958	Lingenfelter, C.	3/3/58	U
CNLM-594	Active List of Engineering Order Supplements	Smith, S.	3/11/58	U
CNLM-595	Rough Comparison of Four Cycles for a Logistics Carrier 800 MW Reactors with 0.1 Rem/HR Unit Shields	Schmickrath, B.	3/5/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-596	Rough Comparison of Cycles for a Logistics Carrier 800 MW Reactors with 0.1 Rem/HR Unit Shields	Elsaesser, F.	3/5/58	U
CNLM-597	Effect of Dose Rate and Air-plane Task Assumptions on Biological Shield Weights for the SCW Reactor with Ducted Blower Engines	n.a.	3/5/58	U
CNLM-598	Experimental Group Progress Report for the Week Ending 2/28/58	Trapp, D.	3/5/58	U
CNLM-599	Additional Information Which was Requested Concerning Utilization of Test Cells in the Pump and Turbine Laboratory	Holtsinger, C.	3/6/58	CDI
CNLM-600	Early Capsule Irradiation of Unbonded Ceramic Fuel Elements	Triner, N.	3/13/58	CRD
CNLM-601	Additional Requirements for Pre-Test Corrosion Loop Samples	Wesbecher, J.	3/13/58	U
CNLM-602	Classification	Miller, J.	3/14/58	U
CNLM-603	Final Report - Project 180 Development of Single Electrode for Elox Machine	Asmond, L.	3/10/58	U
CNLM-604	Final Report - Project 1317 Braze Support and Tube Ass'y T-1000649	Rossi, A.	3/10/58	U
CNLM-605	Compilation of Work Done at Lid Tank Shielding Facility From January to June, 1955	McCool, W.	3/10/58	SRD
CNLM-606	Consideration Affecting the Weight and Distribution of Radiation Shielding	Beardsley, G.	3/10/58	CRD
CNLM-607	CNLM-338	Horan, J.	3/11/58	CDI
CNLM-608	Performance Curves	Horan, J.	3/11/58	U
CNLM-609	Experimental Group Progress Report for the Week Ending 3/7/58	Trapp, D.	3/12/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-610	Progress Report - February, 1958	Strough, R.	3/12/58	CRD
CNLM-611	Lockheed Visit to CANEL on March 3, 1958	Lingenfelter, C.	3/12/58	CRD
CNLM-612	Progress Report - February 1958	Meyer, R.	3/12/58	CRD
CNLM-613	Instrument Group Progress Report March 11, 1958	Bliss, P.	3/12/58	CRD W
CNLM-614	Minutes of the CANEL Welding and Brazing Committee Meeting of March 5, 1958	Cote, L.	3/18/58	U
CNLM-615	Capsule Irradiation Program for Columbium UO ₂ Cermet Bonded Fuel Elements and Tubes	Triner, N.	3/18/58	CRD
CNLM-615 (Rev. 1)	Capsule Irradiation Program for Columbium UO ₂ Cermet Fuel Elements	Triner, N.	12/24/58	CRD
CNLM-616	Visit by Sales Engineer From Brush Beryllium Company	Cooper, M.	3/18/58	CRD
CNLM-617	Installation of Static Compatibility Test Rig in Shop Laboratory	Rowe, G.	3/13/58	U
CNLM-618	Progress Since P W A C 574	Larson, J.	3/14/58	CRD
CNLM-619	Design of Pumped Lithium Research Loop	Murk, A.	3/14/58	CRD
CNLM-620	Three-Month Forecast for Forced Convection Lithium Corrosion Loop Tests	Chalfant, A. .	3/14/58	CRD
CNLM-621	Proposal for the Heat Exchanger Laboratory	Muenchow, M.	3/14/58	CRD
CNLM-622	Outline of Estimated Funding Requirements for FY 1960 for a Nuclear Test Facility	Schmickrath, B.	3/14/58	U
CNLM-623	Welding and Brazing Development Group Advanced Tool Engineering Final Report - Project 1034	Bessette, R.	3/17/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-624	Effective Use of Increased Allocation of Space in the Materials Testing Reactor and Engineering Test Reactor	Holtsinger, C.	3/17/58	U
CNLM-625	Request for Irradiation AEC Form 320	Holtsinger, C.	3/17/58	CRD
CNLM-626	Project Proposal and Authorization - AEC Form 189	n.a.	3/19/58	CRD
CNLM-627	Cost Budget Estimate - Letter Explaining the Trends Which Become Apparent as a Result of February, 1958	St. Arnauld, M.	3/18/58	U
CNLM-628	Estimated Cost Budget Analysis	St. Arnauld, M.	3/18/58	U
CNLM-629	A Method of Reactor Core Support The Honeycomb Patent Disclosure	Miller, J.	3/18/58	CRD
CNLM-630	Materials Laboratory Progress Report February, 1958	Raring, L.	3/18/58	CRD
CNLM-631	Request for Physics Parametric Studies for PWAR-11 (350 MW) Using 7-inch Reflectors	Bigelow, C.	3/18/58	CRD
CNLM-632	Structural Test Proposal for PWAR-12B	Dickson, J.	3/19/58	CRD
CNLM-633	Experimental Group Progress Report for the Week Ending 3/14/58	Trapp, D.	3/19/58	CRD
CNLM-634	Budget Estimate - FY - 1960	n.a.	3/19/58	SRD
CNLM-634 (Rev. A)	Budget Estimate - FY - 1960	n.a.	4/9/58	CRD
CNLM-635	Braze Air Fins to Tubes - Assembly T-1003892	Bessette, R.	3/20/58	U
CNLM-636	Narrative Comments Applicable to P&WA'S February Cost Budget Report	St. Arnauld, M.	3/20/58	U
CNLM-637	Cost Estimates thru 6/30/58	St. Arnauld, M.	3/20/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-638	To Inform of the Progress of Our Radiation Damage Testing Program for Fuel Element Development	Holtsinger, C.	3/21/58	CRD
CNLM-639	Classification Information	Beardsley, G.	3/21/58	CRD
CNLM-640	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	3/24/58	CRD
CNLM-641	Tool and Methods Development Group Advanced Tool Engineering-Final Report - Project 178	Goodin, L.	3/25/58	U
CNLM-642	Welding and Brazing Development Group Advanced Tool Engineering - Final Report - Project 1031	Bessette, R.	3/25/58	U
CNLM-643	Tool and Methods Development Group Advanced Tool Engineering - Final Report - Project 196	Goodin, L.	3/25/58	U
CNLM-644	NMI Capsule Design	Tarasewich, A.	3/28/58	CRD
CNLM-645	Reactor Data for Navy Study	Bigelow, C. Cole, P.	3/27/58	CRD
CNLM-646	Recommendations Regarding Code Proposal by the G.C. Dewey Co.	Dee, J.	3/27/58	U
CNLM-647	Notes on Nuclear Facilities Meeting, March 26, 1958	Hedden, D.	3/27/58	CRD
CNLM-648	Radiator Endurance Test Loops	Raring, L.	3/28/58	CRD
CNLM-649	Experimental Group Progress Report for the Week Ending 3/21/58	Trapp, D.	3/28/58	CRD
CNLM-650	Layout Drawings Showing Proposed Liquid Metal Forced Convection Loop for Little's Consideration	Parks, G.	3/28/58	CRD
CNLM-651	Proposed Agenda for Meeting with ETR Personnel	Parks, G.	3/28/58	U
CNLM-652	Transmittal Letter of Summary of Heat Transfer Calculations	Parks, G.	3/31/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-655	Preliminary - Installation and Removal Procedure and Handling Tools for P&WA Forced Convection Liquid-Metal-In-pile Loop	Love, L.	4/1/58	U
CNLM-658	Analysis of Amounts Invoiced Contract AT 11-1-229 February 1958	n.a.	3/31/58	U
CNLM-659	Analysis of Amounts Invoiced Contract AF 33-038-2734l February, 1958	n.a.	3/31/58	U
CNLM-660	Summary of Cost - February, 1958 Contracts AF 33-038-2734l and AT 11-1-229	n.a.	3/31/58	U
CNLM-661	Engineering and Development Contract AT 11-1-229 and AF 33-038-2734l - Commitment Status February, 1958	n. a.	3/31/58	U
CNLM-662	Reactor Weights for Li-Cb Fast Reactor as Requested	Woods, T.	3/31/58	CRD
CNLM-663	Problem: Design of a Reflector of Cylindrical Configuration Which is Capable of Adjusting to Variable Boundaries	Butts, C.	4/1/58	CRD
CNLM-664	Pilot Radiator for Nuclear Ram-jet Powerplant	Larson, J.	4/1/58	CRD
CNLM-665	Performance Group Progress Report for March, 1958	Lingenfelter, C.	4/1/58	CRD
CNLM-666	Heat Exchanger Group Monthly Progress Report for March, 1958	Daddario, A. Denny, J.	4/2/58	CRD
CNLM-667	Experimental Physics Group Progress Report for the Week Ending 3/28/58	Trapp, D.	4/3/58	CRD
CNLM-668	Kilograms of Plutonium, Kilograms Contained U ²³⁵ , Kilograms Normal Uranium	Holtsinger, C.	4/3/58	U
CNLM-669	Active List of Engineering Order Supplements	Smith, S.	4/10/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-670	A. Response to a Request for Information as to the Cost of Li-7	Beardsley, G.	4/3/58	SRD
CNLM-671	Work Statement Sylvania-Corning Nuclear Corporation for United Aircraft Corporation	Dytko, E.	4/3/58	CRD
CNLM-672	Drawings - Cb-UO ₂ Cermet Fuel Element Capsule Irradiation Specimen Cermet Fuel Element Burn Up Specimen	Dytko, E.	4/3/58	CRD
CNLM-673	Interim Progress Report on Fuel Element Fabrication Problems	Meinhardt, J.	4/3/58	CRD
CNLM-674	Design Request for Water Impeller Stand Test Unit (RI-10) and Air Scroll Stand Test Unit (RS-6)	Wood, G.	4/9/58	U
CNLM-675	U.S. Department of Commerce Office Action Re: Philip P. Newcomb, Means and Method of Assembly of a Nuclear Aircraft Engine	Tasker, H.	4/10/58	SRD
CNLM-676	Reactor Weights and Dimensions to be Used in the Performance Parametric Study for 350-1000 MW Reactors	Woods, T.	4/7/58	CRD
CNLM-677	Request for Physics Data to Complete Preliminary Specification on the Naval 60 MW Fast Reactor	Woods, T.	4/8/58	CRD
CNLM-678	Further Studies of the PWAR-11C and Two Navy Reactors	Bigelow, C.	4/9/58	CRD
CNLM-679	Additional Basic Data Desired From R. Meyer on Navy Study Which is Required to Adequately Size Reactor for Weight Calculation Installation Layout, and Shield Outline Layout	Bigelow, C.	4/9/58	U
CNLM-680	Reactor Controls and Systems Analysis Progress Report for the Month of March, 1958	Elsaesser, F.	4/9/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-681	Contract NOas 58-662-C	Meyer, R.	4/9/58	CRD
CNLM-682	Application of Hilbert Schenck, Jr. Serial No. 657, 667 Filed May 7, 1957 for: Thermal Scheme	Tasker, M.	4/11/58	U
CNLM-683	Welding and Brazing Development Group Advanced Tool Engineering Interim Report #2 Project 1018	Peterson, C.	4/11/58	U
CNLM-684	List of Assumptions on Which the BuAer Studies are to be Based	Meyer, R.	4/15/58	U CRD
CNLM-685	Report on Estimated Schedule, Cost, of a Reactor, Radiator and Other Equipment for a Nuclear Propulsion System	Meyer, R.	4/14/58	U
CNLM-686	Report on Estimated Schedule, Cost, Manpower, and Facilities for Initial Development of a Modified T-57	Meyer, R.	4/14/58	U
CNLM-687	Work Order Numbers and Manpower Ceilings for BuAer Contract NOas 58-662-C	Meyer, R.	4/14/58	U
CNLM-688	Narrative Comments Applicable to P&WA's March Cost Budget Report	St. Arnauld, M.	4/14/58	U
CNLM-689	Manpower and Cost Estimate for EOS No. 4	Ahern, J.	4/14/58	U
CNLM-690	Literature Survey of NaK and Sodium Cold Trap Systems	Couture, A.	4/15/58	CRD
CNLM-691	L-3, L-5, L-31, L-32 Sylvania Fuel Element Capsules	Parks, G.	4/15/58	CRD
CNLM-692	T-4, T-1, Q-5, P-5, P-1, O-6 Sylvania Fuel Element Capsules	Parks, G.	4/15/58	CRD
CNLM-693	D-1, D-7, D-28, D-29 Sylvania Fuel Element Capsules	Parks, G.	4/15/58	CRD
CNLM-694	Tensile Properties of Columbium Weldments	Neumeister, R.	4/23/58	U
CNLM-695	Accounting Work Sheet - Cost Estimates Thru 6/30	Reilly, J.	4/15/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-696	Design Layouts for PWAR-12C	Dickson, J.	4/16/58	CRD
CNLM-697	Logistics Carrier Shield Data	Bronke, V.	4/16/58	CRD
CNLM-698	Intermediate Heat Exchanger Weight for Logistics Carrier Application	Bronke, V.	4/16/58	CRD
CNLM-699	Controls Group Progress Report for the Month of March, 1958	Palmer, R.	4/16/58	CRD
CNLM-700	Experimental Physics Group Progress Report for the Week Ending 4/11/58	Trapp, D.	4/16/58	CRD
CNLM-701	Experimental Data Desired From Operating the PWAR-11C	Pear, R.	4/18/58	CRD
CNLM-702	Progress Report - March, 1958	Meyer, R.	4/17/58	CRD
CNLM-703	Progress Report for March, 1958 Controls, Electronics, and Instrumentation Groups	Beardsley, G.	4/17/58	CRD
CNLM-704	Progress Report - March, 1958	Strough, R.	4/17/58	CRD
CNLM-705	Logistics Carrier Shield Data One Reactor	Bronke, V.	4/18/58	CRD
CNLM-706	Request for Creep Test Data on Molybdenum 0.5 Titanium	Triner, N.	4/18/58	CRD
CNLM-707	Welding and Brazing Development Group - Advanced Tool Engineer- ing - Final Report - Project 1020	Peterson, C.	4/18/58	U
CNLM-708	Welding and Brazing Development Group - Advanced Tool Engineer- ing - Final Report - Project 134	Peterson, C.	4/18/58	U
CNLM-709	Reactor Weight Data for the Logistics Carrier Parametric Study	Bronke, V.	4/21/58	SRD
CNLM-709 (Rev. A)	Reactor Weight Data for the Logistics Carrier Parametric Study	Bronke, V.	4/23/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-710	Fabrication Time, Direct Materials and Subcontracting, and Salary and Hourly Labor Estimates for T-57 Engineer Modification Plus Test Scrolls and Test Burners	Meyer, R.	4/21/58	U
CNLM-711	Request for Design and Construction of a Large Water Flow Rig (4222R-6)	Doak, R.	4/24/58	U
CNLM-711 (Supp. A)	Additional Details Concerning the Design of the Large Water Flow Rig (4222R-6)	Doak, R.	7/18/58	U
CNLM-712	Monthly Progress Report for March, 1958	Raring, L.	4/22/58	CRD
CNLM-713	Enclosure A - Technical Proposal AF Purchase Request No. 08273	n.a.	4/22/58	CDI
CNLM-714	Enclosure B - Cost Proposal AF Purchase Request No. 08273	n.a.	4/22/58	U
CNLM-715	Fast Reactor Weight Data for Logistics Carrier Parametric Study	Bronke, V.	4/22/58	CRD
CNLM-716	Classification of Radex	Miller, J.	4/28/58	U
CNLM-717	Navy Contract Noas 58-662-C Estimated Development Schedule for a Sodium-Cooled Reactor and Associated Radiators, Pumps Controls, Ducts and Piping	Dytko, E. Palmer, R. Kelly, R.	4/24/58	CRD
CNLM-718	Reference: 58AT-1913	Raring, L.	4/24/58	CRD
CNLM-719	Request for Instrumentation Large Water Flow Rig (Rig No. 4222R-6)	Doak, R.	4/24/58	U
CNLM-720	AEC Form 320, - Irradiation of Impact and Tensile Specimens of Columbium	Beardsley, G.	4/24/58	CRD
CNLM-721	Minutes of the CANEL Welding and Brazing Committee Meeting of April 2, 1958	Cote, L.	4/29/58	U
CNLM-722	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	4/24/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-723	J-57 Performance Data	Andrews, N.	4/24/58	CDI
CNLM-724	Exploration and Investigation of the Physical and Mechanical Properties and Fabricability of Alloys	Beardsley, G.	4/25/58	U
CNLM-725	3 Page Letter - Including Work Statement and Sample Requirements for Proposal	Davis, E.	4/25/58	CRD
CNLM-726	Figures A thru F Supporting Work Statement	Davis, E.	4/25/58	CRD
CNLM-727	Modified T-57 Performance Estimates	Gray, W.	4/28/58	CDI
CNLM-728	Analysis of Amounts Invoiced Contract AF 33-038-27341 March, 1958	Reilly, J.	4/28/58	U
CNLM-729	Analysis of Amounts Invoiced Contract AT - 11-1-229 March, 1958	Reilly, J.	4/28/58	U
CNLM-730	Summary of Cost March, 1958 Contracts AF 33-038-27341 and AT 11-1-229	Reilly, J.	4/28/58	U
CNLM-731	Engineering and Development Contract AT 11-1-229 and AF 33-038-27341 Commitment Status March, 1958	Reilly, J.	4/28/58	U
CNLM-732	Experimental Physics Group Progress Report for the Week Ending 4/18/58	Trapp, D.	4/29/58	CRD
CNLM-733	Fuel Element Topics of Interest to the Reactor Analysis Group	Cooper, M.	4/29/58	CRD
CNLM-734	Ducted Burner Requirements for T-57 Modifications	Gray, W.	4/30/58	CRD
CNLM-735	Determination of the Mechanical Properties of Fansteel Consumable Electrode Melted Columbium (XM-121)	Burgess, K.	4/30/58	CRD
CNLM-736	Determination of the Mechanical Properties of Fansteel Consumable Electrode Melted Columbium Alloy with 0.165 Percent Zirconium (XM-122)	Burgess, K.	4/30/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-737	Work Statement Nuclear Metals, Incorporated for UAC	Kuhns, R.	4/30/58	CRD
CNLM-738	Heat Exchanger Group Monthly Progress Report for April, 1958	Daddario, A. Denny, J.	5/1/58	CRD
CNLM-739	Experimental Physics Group Progress Report for the Week Ending 4/25/58	Trapp, D.	5/1/58	CRD
CNLM-740	Determination of the Mechanical and Physical Properties of Commercially Pure Consumable Electrode Melted Columbium (XM-104A)	Burgess, K.	5/2/58	U
CNLM-741	Determination of the Mechanical and Physical Properties of Commercially Pure Consumable Electrode Melted Columbium (XM-147)	Burgess, K.	5/2/58	CRD
CNLM-742	Determination of the Mechanical Properties of Commercially Pure Consumable Electrode Melted Columbium (XM-119)	Burgess, K.	5/2/58	CRD
CNLM-743	Index of Projects	n.a.	5/2/58	U
CNLM-744	Questions Concerning T-57 Performance Estimates	Meyer, R.	5/5/58	CRD
CNLM-745	Contract NOas 58-662-C	Meyer, R.	5/5/58	CRD
CNLM-746	Assignment of Priorities	Chalfant, A.	5/5/58	CRD
CNLM-747	Transmittal Letter for TIM-559	Parks, G.	5/6/58	U
CNLM-748	Estimated Cost and Development Schedule for Nuclear Conversion of T-57 Engine	n.a.	5/6/58	CRD
CNLM-749	Performance Group Progress Report for April, 1958	Andrews, N.	5/7/58	CRD
CNLM-750	Tentative Program of Fast Reactor Critical Experiments	Chalfant, A.	5/7/58	CRD
CNLM-751	Logistics Carrier Parametric Study - Radiator Data	Bronke, V.	5/7/58	U
CNLM-752	Logistics Carrier Shield Data Summary	Bronke, V.	5/7/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-753	Stress Rupture Data at 1800F for Columbium Sheet Weldments	Neumeister, R.	5/8/58	CRD
CNLM-754	PW -12-13	n.a.	5/8/58	CRD
CNLM-755	End Mill Elongated Slots in Inner Header	n.a.	5/8/58	U
CNLM-756	Trim Radiator Involute Tubes	n.a.	5/8/58	U
CNLM-757	Nuclear Rocket Work Progress	Woods, T.	5/9/58	CRD
CNLM-758	Work Statement Nuclear Metals, Incorporated for United Aircraft Corporation	n.a.	5/9/58	U
CNLM-759	Experimental Physics Group Progress Report for the Week Ending 5/2/58	Trapp, D.	5/12/58	CRD
CNLM-760	Suggested Text of Letter to General Keirn on Lithium Corrosion Loop Testing	Chalfant, A.	5/13/58	CRD
CNLM-761	Reactor Weights Assumed in Lockheed Report	Chalfant, A.	5/13/58	CRD
CNLM-762	Comments Applicable to P&W Aircraft's April Cost Budget Report	St. Arnauld, M.	5/13/58	U
CNLM-763	Schedule B - March and April Estimated Cost Budget Analysis	n.a.	5/14/58	U
CNLM-764	Sixth Disclosure of Inventions Report Contract AT 11-1-229	Tasker, M.	5/9/58	U
CNLM-765	Eighth Disclosure of Inventions Report Contract AF 33-038-AC- 27341	Tasker, M.	5/9/58	U
CNLM-766	Minutes of the CANEL Welding and Brazing Committee Meeting of May 7, 1958	Cote, L.	5/15/58	U
CNLM-767	Progress Report - April, 1958	Strough, R.	5/15/58	CRD
CNLM-768	Experimental Physics Group Progress Report for the Week Ending 5/9/58	Trapp, D.	5/15/58	CRD
CNLM-769	Welding and Brazing Development Group Advanced Tool Engineering	Rossi, A.	5/20/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-770	Classification	Miller, J.	5/16/58	U
CNLM-771	Classification	Miller, J.	5/16/58	U
CNLM-772	Progress Report - April, 1958	Meyer, R.	5/16/58	CRD
CNLM-773	Trip to Hanford Works May 7, 1958	Meinhardt, J.	5/20/58	U
CNLM-774	Contract NOas 58-662-C First Monthly Progress Report	Beardsley, G.	5/16/58	U
CNLM-775	Request for Design and Con- struction of a Stand for Gas Diffusion Tests (4222R-10)	Doak, R.	5/27/58	U
CNLM-776	Request for Instrumentation for Gas Diffusion Test (4222R-10)	Doak, R.	5/23/58	U
CNLM-777-1	Experimental Material - Yttrium Bar	Kycia, M.	5/15/58	U
CNLM-777-2	Lithium Hydride	Kycia, M.	5/12/58	U
CNLM-777-3	Depleted Uranium Containing 0.2% of U ²³⁸	Kycia, M.	5/12/58	U
CNLM-777-4	XM-345	Kycia, M.	6/2/58	U
CNLM-777-5	Experimental Material - Weapons Grade Uranium	Kycia, M.	7/25/58	U
CNLM-777-6	Weapons Grade Uranium - CMS 2080	Kycia, M.	9/12/58	U
CNLM-777-7	Experimental Material Lithium Hydride	Kycia, M.	10/7/58	U
CNLM-777-8	Experimental Material Yttrium Metal	Kycia, M.	11/13/58	U
CNLM-777-9	Zirconium - Hydride (Com. Grade)	Kycia, M.	11/18/58	U
CNLM-777-10	Zirconium - Hydride (Reactor Grade)	Kycia, M.	11/18/58	U
CNLM-777-11	Yttrium - Hydride (Com. Grade)	Kycia, M.	11/18/58	U
CNLM-777-12	Yttrium - Hydride (Reactor Grade)	Kycia, M.	11/18/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-778	Request for Design Study of Externally Mounted Radiator for Turbo-Prop Engine	Turner, G.	5/19/58	CRD
CNLM-779	Northrop Proposal for Development of a Powerplant	Holtsinger, C.	5/20/58	U
CNLM-780	Progress in the Lithium Corrosion Testing Program	Holtsinger, C.	5/20/58	CRD
CNLM-781	PWAR-11 Data for Performance Analysis	Bigelow, C.	5/20/58	CRD
CNLM-782	Logistics Carrier Shield Data Summary II	Bronke, V.	5/22/58	CRD
CNLM-783	Moderated Reactor and Fuel Element Programs for FY 1959 July 1, 1958 to July 1, 1959	Dytko, E.	5/22/58	CRD
CNLM-784	Welding and Brazing Development Group Advanced Tool Engineering Final Report Project 128	Peterson, C.	5/22/58	U
CNLM-785	Materials Laboratory Progress Report for April - 1958	Raring, L.	5/22/58	CRD
CNLM-787	Welding and Brazing Development Group Advanced Tool Engineering Final Report Project 1022	Peterson, C.	5/23/58	U
CNLM-788	Experimental Program Items to be Scheduled Through September 1959	Kelly, R.	5/23/58	CRD
CNLM-789	Request for Permission to Use Cincinnati Hydrospin Machine in Accordance with Clause 5B of Contract AF 33-600-31099 During the 13 Week Period Beginning June 2, 1958 and Ending August 29, 1958	Davis, E.	5/23/58	U
CNLM-790	Request for Permission to Use a Cincinnati Hydrospin Located in the Machine Shop at CANEL for Work Other Than Work Under Contracts AT 11-1-229 and NOas 58-662-C	Davis, E.	5/23/58	U
CNLM-791	Inspection of Molybdenum Plus 0.45 Percent Titanium Alloy for Use in Post Irradiation Tensile Test	Burgess, K.	5/28/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-792	Experimental Physics Group Progress Report for the Week Ending 5/16/58	Trapp, D.	5/26/58	CRD
CNLM-793	Transmittal of AEC Form 320 (CNLM-794)	Beardsley, G.	5/27/58	CRD
CNLM-794	Irradiation of Molybdenum Tensile Specimens Technical Contact	Kelly, R.	5/27/28	CRD
CNLM-795	Proposed Initial Loading for CCA-1	Bransfield, J.	4/27/58	SRD
CNLM-796	Work Requests	Wesbecher, J.	5/27/58	U
CNLM-797	"Work-Horse" Loop Design	Wesbecher, J.	5/27/58	CRD
CNLM-798	Classification Guide for CANEL Operations Preliminary Draft	Miller, J.	5/28/58	CRD
CNLM-799	NJ-1 Powerplant Left 3/4 View with Piping (M-1)	n.a.	5/28/58	U
CNLM-800	NJ-1 Powerplant Rear View with Piping (M-2)	n.a.	5/29/58	U
CNLM-801	NJ-1 Powerplant Right 3/4 View with Piping (M-3)	n.a.	5/29/58	U
CNLM-802	NJ-1 Powerplant Right 3/4 View (No Piping) (M-4)	n.a.	5/29/58	U
CNLM-802 (Ref. A)	NJ-1 Powerplant Right 3/4 View (No Piping) (M-5)	n.a.	5/29/58	U
CNLM-803	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	5/28/58	CRD
CNLM-804	Transmittal of Three Unclassified Copies of a Memo Dated 5/27/58 From R. Kuhns to V. McBride, D. Johnson, Nuclear Metals Cylindri- cal Fuel Element Assemblies	Parks, G.	5/29/58	U
CNLM-805	Fabrication History XM-161	Dowling, J.	6/4/58	U
CNLM-806	To Inform of the Progress of Our Experimental Fabrication and Mechanical Radiation Damage Testing Work for the Fuel Element Development Program	Holtsinger, C.	6/2/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-807	Request for Irradiation, Thermal and Chemical Properties of Borated Santowax OM, Santowax R, and Biphenyl	Dickson, J.	6/2/58	CRD
CNLM-808	Heat Exchanger Group Monthly Progress Report for May, 1958	Daddario, A. Denny, J.	6/3/58	CRD
CNLM-809	Results of Shield Optimization Calculations for Two Reactors	Carson, A.	6/4/58	CRD
CNLM-810	Welding and Brazing Development Group - Advanced Tool Engineering - Final Report Project 1044	Bessette, R.	6/3/58	U
CNLM-811	Welding and Brazing Development Group - Advanced Tool Engineering - Final Report Project 1050	Peterson, C.	6/3/58	U
CNLM-812	Analysis of Amounts Invoiced Contract AT 11-1-229 April, 1958	Reilly, J.	6/3/58	U
CNLM-813	Analysis of Amounts Invoiced Contract AF 33-038-27341 April, 1958	Reilly, J.	6/3/58	U
CNLM-814	Summary of Cost - April, 1958 Contracts AF 33-038-27341 - NO AS 58-662C and AT 11-1-229	Reilly, J.	6/3/58	U
CNLM-815	Analysis of Amounts Invoiced Contract NO AS 58-662C April, 1958	Reilly, J.	6/3/58	U
CNLM-815 (Rev. 1)	Analysis of Amounts Invoiced Contract NO AS 58-662 C April, 1958	n.a.	10/10/58	U
CNLM-816	Engineering and Development Contract AT 11-1-229 and AF 33-038-27341 Commitment Status April, 1958	Reilly, J.	6/3/58	U
CNLM-817	Active List of Engineering Order Supplements	Smith, S.	6/4/58	U
CNLM-818	Experimental Physics Group Progress Report for the Week Ending 5/23/58	Trapp, D.	6/4/58	CRD
CNLM-819	Powerplant Data Promised to Northrop on June 3, 1958	Meyer, R.	6/4/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-820	Shield Weights for PWAR-12 Parameter Study	Dee, J.	6/4/58	CRD
CNLM-821	Request for Preliminary Radiator Data	Andrews, N.	6/4/58	CRD
CNLM-822	Experimental Physics Group Progress Report for the Week Ending 5/29/58	Trapp, D	6/5/58	CRD
CNLM-823	Survey of Coating Processes and Present State of High Tem- perature Oxidation Resistant Coatings Development for Columbium at CANEL	Tieniber, A.	6/5/58	CRD
CNLM-824	Answer to Questions Concerning the Liquid Metal Cycle Power- plant for the Princess Airplane Installation	Meyer, R.	6/6/58	CRD
CNLM-825	Powerplant Flow Schematic	Meyer, R.	6/6/58	CRD
CNLM-826	Answer to Questions Concerning the Liquid Metal Cycle Power- plant for the Princess Airplane Installation	Meyter, R.	6/6/58	CRD
CNLM-827	Answer to Questions Concerning the Liquid Metal Cycle Power- plant for the Princess Airplane Installation	Meyer, R.	6/6/58	CRD
CNLM-828	Shield Weights for PWAR-11 and PWAR 12-3	Dee, J.	6/6/58	CRD
CNLM-829	Request for Physical Properties Data for UO ₂ - BeO Ceramic	Kuhns, R. Triner, N.	6/6/58	CRD
CNLM-830	July 1, 1958 Report to the Bureau of Aeronautics on the Pratt & Whitney Aircraft Cycle Powerplant	Meyer, R.	6/9/58	U
CNLM-831	Fast Aircraft Reactor Data for Boeing Aircraft	Chalfant, A.	6/9/58	CRD
CNLM-832	Control Parameters for the Naval Reactor, PWAR-13	Dytko, E.	6/9/58	CRD
CNLM-833	Lithium-to-Air and NaK-to- Air Radiators Applied to the J-57 Turbo-jet Engine	Horan, J.	6/10/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-834	Nondestructive Examination of Teflon Clad Natural Uranium Fuel Element Plates, Bead Test for Uranium	Schenck, G.	6/11/58	U
CNLM-835	Shield Weights for Boeing Mission for the PWAR-11 and PWAR-X	Dee, J.	6/10/58	CRD
CNLM-836	Invention Disclosure	Getto, A.	6/10/58	SRD
CNLM-837	Minutes of the CANEL Welding and Brazing Committee Meeting of June 4, 1958	Cote, L.	6/12/58	U
CNLM-838	Cost Analysis	Smith, S.	6/12/58	CDI
CNLM-839	Progress Report - May, 1958	Meyer, R.	6/12/58	CRD
CNLM-840	Analysis of Preliminary Estimates as Against Cost Budget Estimates	Reilly, J.	6/13/58	U
CNLM-841	Narrative Comments Applicable to P&WA's May Cost-Budget Report	St. Arnauld, M.	6/13/58	U
CNLM-842	Progress Report - May, 1958	Strough, R.	6/13/58	CRD
CNLM-843	Contract No. NOas 58-662-C Second Monthly Progress Report	Beardsley, G.	6/13/58	CRD
CNLM-844	HX and HXL Justifications	Means, H.	6/13/58	CRD
CNLM-845	Adaptability of the Heat Exchanger Laboratory to High Temperature Test Work	James, R.	6/13/58	U
CNLM-846	Preparation of Samples for Chemical Analysis	Burgess, K. Hobart, E.	6/17/58	U
CNLM-847	Corrections to the PW-12 Capsule Log	Parks, G.	6/16/58	CRD
CNLM-848	Experimental Physics Group Progress Report for the Week Ending 6/6/58	Trapp, D.	6/16/58	CRD
CNLM-849	In-pile Testing of Capsules with Fixed Gas Annulus	Centofanti, A.	6/16/58	U
CNLM-850	Performance Group Progress Report for May, 1958	Andrews, N.	6/18/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-851	Synchronizing Circuit-Synchro System	Rovero, A.	6/16/58	U
CNLM-852	Materials Laboratory Progress Report for May, 1958	Raring, L.	6/16/58	CRD
CNLM-853	Fabrication of XM-292 at Wyman Gordon 5/27/58	Dowling, J.	6/17/58	U
CNLM-854	Corrosion and Short Time Tensile Tests of Columbium Soaked in Several Liquid Metals at an Elevated Temperature for 1000 Hours	Centofanti, A.	6/17/58	CRD
CNLM-855	Data on Reactor Specifications Reactor Weights, and Shield Weights, and Copies of the Classified Charts Used by Dr. Strough	Beardsley, G.	6/19/58	CRD
CNLM-856	Revision of Feasibility Report Covering Procurement of Fuel Element Test Specimens for In-pile Loop Testing From Nuclear Metals, Incorporated	Parks, G.	6/20/58	CRD
CNLM-857	Request for Self-Welding Experiments in High Temperature Lithium	Bigelow, C.	6/19/58	CRD
CNLM-857 (Supp. A)	Request for Self-Welding Experiments in High Temperature Lithium, Supp. A.	Bigelow, C.	11/7/58	CRD
CNLM-858	Reactor Data for Analysis of PWAR-11	Semko, J.	6/20/58	CRD
CNLM-859	Requested and Ask Your Approval of the Overtime Proposed in Mr. Schmickrath's Letter of June 12, 1958	Beardsley, G.	6/20/58	U
CNLM-860	Welding and Brazing Development Group - Advanced Tool Engineering Final Report Project 127	Peterson, C.	6/23/58	U
CNLM-861	Fabrication of XM-261 at Extrusions, Inc. May 9-May 19, 1958	Dowling, J.	6/25/58	U
CNLM-862	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	6/23/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-863	A Method for Developing Lithium Corrosion Resistant Braze Alloys	Gavert, R.	6/25/58	CRD
CNLM-864	Request for Nuclear-Ramjet Radiator Weight Data	Larson, J.	6/24/58	CRD
CNLM-865	Request for Physics Analysis	Woods, T.	6/25/58	CRD
CNLM-866	Additional Models for Full Scale Water Flow Testing	Doak, R.	7/1/58	U
CNLM-867	Fabrication of Columbium at Wyman-Gordon Co., Grafton, Mass.	Davis, D.	6/27/58	U
CNLM-868	Summary of Fuel Element Meeting June 18, 1958	Cooper, M.	6/27/58	CRD
CNLM-869	Experimental Physics Group Progress Report for the Week Ending 6/13/58	Trapp, D.	6/24/58	CRD
CNLM-870	Forecast of Lithium Forced Convection Corrosion Loops to be Tested in the Next Three Months	Chalfant, A. Wesbecher, J.	6/25/58	U
CNLM-871	Reactor Research and Development Program	Holtsinger, C. Greenstreet, E.	6/30/58	CRD
CNLM-872	Nuclear Aircraft Powerplants	Larson, J.	6/25/58	CRD
CNLM-873	In-pile Capsule Fabrication Schedule	Parks, A.	6/27/58	U
CNLM-874	Materials Information Required to Design PWAR-12C	Chalfant, A.	6/25/58	CRD
CNLM-875	Reactor Research and Development Program Through September, 1958	n.a.	6/27/58	+ CRD
CNLM-875 (Supp. 1)	Reactor Research and Development Program - Thru 9/59	n.a.	1/23/58	CRD
CNLM-877	Elastic Test of Perforated Plate 425A	Dickson, J.	6/27/58	U
CNLM-878	Elastic Tests on Hexagonal Aluminum Extrusions	Dickson, J.	6/27/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-879	Mechanical Test of Cb-UO ₂ Cermet Material	Triner, N.	6/26/58	CRD
CNLM-880	Information Required for PWAR- 11C and PWAR-12C Test Facility Design	Hedden, D.	6/26/58	CRD
CNLM-881	Including Li in a Critical Assembly	Fader, W.	6/26/58	CRD
CNLM-882	Summary of Estimated Weights for Navy Study	Manning, R.	6/30/58	CRD
CNLM-883	Schedule for In-pile Loops #1 and #2.	Kelly, R.	7/1/58	U
CNLM-884	Remarks Concerning the Trans- lation of the Russian Paper Entitled "Application of Atomic Engines in Aviation" by Messrs. G. N. Nesterenko, A.I. Sobolev, and Yu.N. Suskov	Strough, R.	6/27/58	CRD
CNLM-885	Modified T-57 Turbine Data	Gray, W.	6/27/58	CDI
CNLM-886	More Specific Information on Progress of Experimental Fabrication and Mechanical and Radiation Damage Testing Work for Fuel Development Program	Holtsinger, C.	6/30/58	CRD
CNLM-887	Intermediate Heat Exchanger for PWAR-12	Larson, J.	6/30/58	CRD
CNLM-888	Visit to Saunders-Roe Company, Ltd., Cowes, England - June 16- 20, 1958	Meyer, R.	7/1/58	CDI
CNLM-889	Experimental Physics Group Progress Report for the Week Ending 6/20/58	Trapp, D.	7/1/58	CRD
CNLM-890	Experimental Physics Group Progress Report for the Week Ending 6/27/58	Trapp, D.	7/1/58	CRD
CNLM-891	Handling Limitations for Mix- tures of Uranium, Beryllium, Beryllium Oxide and Lithium-7	Crume, E.	7/14/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-892	Transmittal of CNLM-871	Holtsinger, C.	7/2/58	CRD
CNLM-893	Transmittal of CNLM-871	Holtsinger, C.	7/2/58	CRD
CNLM-894	Transmittal of CNLM-871	Holtsinger, C.	7/2/58	CRD
CNLM-895	Transmittal of CNLM-871	Holtsinger, C.	7/2/58	CRD
CNLM-896	Transmittal of CNLM-871	Holtsinger, C.	7/2/58	CRD
CNLM-897	Analysis of Amounts Invoiced Contract AF 33-038-27341 May, 1958	n.a.	7/2/58	U
CNLM-898	Analysis of Amounts Invoiced Contract AT 11-1-229 May, 1958	n.a.	7/2/58	U
CNLM-899	Summary of Cost, May, 1958 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1- 229	n.a.	7/2/58	U
CNLM-900	Analysis of Amounts Invoiced Contract NO AS 58-660 May, 1958	n.a.	7/2/58	U
CNLM-900 (Rev. 1)	Analysis of Amounts Invoiced Contract NO AS 58-6620 May, 1958	n.a.	10/10/58	U
CNLM-901	Engineering and Development Contracts AT 11-1-229 AF 33- 038-27341 and NO AS 58-662-C Commitment Status, May, 1958	n.a.	7/2/58	U
CNLM-902	Heat Exchanger Group Monthly Progress Report for June, 1958	Daddario, A. Denny, J.	7/2/58	CRD
CNLM-903	Visit of Mr. Paul Greenlee From Lockheed, Marietta on July 1, 1958	Meyer, R.	7/2/58	U
CNLM-904	In-pile Loop Assembly	Kuhns, R.	7/3/58	U
CNLM-905	Thermal Wells vs. Wall Thermo- couples in a Heat Exchanger Rig	James, R.	7/3/58	U
CNLM-906	Transmittal of Form AEC-408 (CNLM-907, 908, 909, 910)	Holtsinger, C.	7/7/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-907	Forecast of Nuclear Materials Requirements - Second Revision Kilograms of Plutonium	n.a.	7/7/58	U
CNLM-908	Forecast of Nuclear Materials Requirements - Second Revision Kilograms Normal Uranium	n.a.	7/7/58	CRD
CNLM-909	Forecast of Nuclear Materials Requirements - Second Revision Kilograms of Contained U235	n.a.	7/7/58	CRD
CNLM-910	Forecast of Nuclear Materials Requirements - First Quarter Revision Only - Kilograms Contained U235	n.a.	7/7/58	CRD
CNLM-911	Request for Change in Design of the Large Water Flow Rig (4222R-6)	Doak, R. Bernstein, E.	7/7/58	U
CNLM-912	Quality Control of Atmosphere Used for Columbium Loop Welds	Niro, J.	7/8/58	U
CNLM-913	Application for Byproduct Material License Dept. - Nuclear Physics Laboratory, Exp. Physics Group	Kennedy, W.	7/7/58	U
CNLM-914	Transmittal of CNLM-1000-2	Beardsley, G.	7/7/58	CRD
CNLM-915	Lithium Pumps for the Experimental Fast Reactor	Dickson, J.	7/8/58	CRD
CNLM-916	Classification	Miller, J.	7/8/58	U
CNLM-917	Classification	Miller, J.	7/8/58	U
CNLM-918	Classification	Miller, J.	7/8/58	U
CNLM-919	Classification ("Material Such as....")	Miller, J.	7/8/58	U
CNLM-920	Classification	Miller, J.	7/8/58	U
CNLM-921	Classification	Miller, J.	7/8/58	U
CNLM-922	Classification Criteria	Miller, J.	7/8/58	CRD
CNLM-923	Classifications	Miller, J.	7/8/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-924	Location of a Certain AEC Document	Miller, J.	7/8/58	U
CNLM-925	Location of a Certain AEC Document	Miller, J.	7/8/58	U
CNLM-926	Classification	Miller, J.	7/8/58	U
CNLM-927	Classification Criteria	Miller, J.	7/8/58	U
CNLM-928	Classification	Miller, J.	7/8/58	U
CNLM-929	Classification Criteria	Miller, J.	7/8/58	U
CNLM-930	Classification	Miller, J.	7/8/58	CRD
CNLM-931	Progress Report on the Navy Reactor Program	Chalfant, A.	7/9/58	CRD
CNLM-932	Classification Criteria	Miller, J.	7/9/58	CRD
CNLM-933	Classification Criteria	Miller, J.	7/9/58	U
CNLM-934	Classification Criteria	Miller, J.	7/9/58	U
CNLM-935	Classification	Miller, J.	7/9/58	U
CNLM-936	Classification Criteria	Miller, J.	7/9/58	U
CNLM-937	Supporting Reason for Declassification of NaK and Sodium	Miller, J.	7/9/58	CDI
CNLM-938	Classification	Miller, J.	7/9/58	U
CNLM-939	An Electric Analog to Study the Effect of a Cladding Flaw on Fuel Element Heat Transfer	Dickson, J.	7/9/58	CRD
CNLM-940	Determination of the Mechanical Properties of Electron Gun Double Vacuum Melted Columbium With 0.75 Percent Zirconium (XM-266)	Burgess, K.	7/10/58	U
CNLM-941	McKinney Panel Report - Identification of Closed-Cycle, Gas-Cooled Reactor in Unclassified Release	Miller, J.	7/10/58	U
CNLM-942	Classification	Miller, J.	7/10/58	U
CNLM-943	Proprietary Notices	Miller, J.	7/10/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-944	Submarine Intermediate Reactor (SIR) Fuel and Liquid Metal Loading and Handling	Vanbrunt, E.	7/10/58	CRD
CNLM-945	Sodium and Fuel Element Handling in the Sodium Reactor Experiment	Hahnel, W.	7/10/58	U
CNLM-946	Assembly Requirements for the Inner Capsule Sub-Assembly for the ETR In-pile Loop Critical Mock-up	Nelson, C.	7/11/58	U
CNLM-946 (Rev. A)	Assembly Requirements for the Inner Capsule Sub-Assembly for the ETR In-pile Loop Critical Mock-up	Nelson, C.	7/25/58	U
CNLM-946 (Rev. A) (Supp. 1)	Assembly, Insertion, Disassembly of the ETR Critical Mock-up of the In-pile Loop	Nelson, C.	7/30/58	CRD U
CNLM-947	Assignment of Nuclear Metals Fuel Elements Test Specimens	Parks, G.	7/10/58	U
CNLM-947 (Supp. A)	Assignment of Nuclear Metal Fuel Element Test Specimens	Parks, G.	7/24/58	U
CNLM-947 (Supp. B)	Assignment of Nuclear Metals Fuel Element Test Specimens	Parks, G.	7/25/58	U
CNLM-947 (Supp. C)	Assignment of Nuclear Metals Fuel Element Test Specimens	Parks, G.	7/28/58	U
CNLM-947 (Supp. D)	Assignment of Nuclear Metals Fuel Element Test Specimens	Parks, G.	8/14/58	U
CNLM-948	Afterheat Problem in PWAR-13	Snopkowski, D.	7/11/58	CRD
CNLM-949	Comments on the ORNL ANP Supporting Research Program	Strough, R.	7/11/58	U
CNLM-950	Determination of the Mechanical Properties of Electron Gun Double Vacuum Melted Columbium (XM-274)	Burgess, K.	7/11/58	CRD
CNLM-951	Determination of the Mechanical Properties of Double Arc Melted Zirconium (XM-133)	Burgess, K.	7/11/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-952	Determination of the Mechanical Properties of Double Arc Melted Zirconium (XM-134)	Burgess, K.	7/11/58	U
CNLM-953	Determination of the Effect of Liquid Metal Soaking on the Tensile Properties of Electron Beam Vacuum Double Melted Pure Columbium Tube Blank Material (XM-264)	Burgess, K.	7/11/58	U
CNLM-954	Determination of the Mechanical Properties of Electron Gun Double Vacuum Melted Columbium (XM-275)	Burgess, K.	7/11/58	U
CNLM-955	Experimental Programs for Space Propulsion	Chalfant, A.	7/11/58	CRD
CNLM-956	Shielding Studies at the Nuclear Physics Laboratory	McCool, W.	7/14/58	CRD
CNLM-957	Machining of Tensile Specimens for Post Irradiation Mechanical Testing	Burgess, K.	7/14/58	U
CNLM-958	Calculations for the PWAR-11C Cold Critical Mock-up	Gay, T.	7/14/58	CRD
CNLM-959	The Experimental Physics Group Progress Report for the Week Ending July 5, 1958	Trapp, D.	7/14/58	CRD
CNLM-960	Progress Report - June, 1958	Strough, R.	7/14/58	CRD
CNLM-961	P&WA - CANEL Operations - Welding and Brazing Development Group - Advanced Tool Engineering - May 22, 1958	Rogers, S.	7/14/58	U
CNLM-962	Installation Schedule for High Powered In-pile Loop Bench Test (X-880)	Parks, G.	7/16/58	U
CNLM-963	Backup Data for Charts A-2-28 and A-2-29 "Nuclear Ramjet Aircraft Powerplants"	Larson, J.	7/15/58	CRD
CNLM-964	Progress Report - June, 1958	Meyer, R.	7/15/58	CRD
CNLM-965	Reactor Statistics (Table Form)	Carson, A. Dytko, E.	7/15/58	CRD
CNLM-966	Model of Powerplant Described in Report PWAC-252 (Princess)	n.a.	7/15/58	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-967	Table of Reactor Characteristics	Strough, R.	7/15/58	CRD
CNLM-968	Radiator Fin Material and Temperature Comparison	Larson, J.	7/16/58	CRD
CNLM-969	Contract No. NO AS 58-662-C Third Monthly Progress Report	Beardsley, G.	7/16/58	CRD
CNLM-970	LM-3 Intermediate Heat Exchanger Test	Means, H.	7/16/58	CRD
CNLM-971	Performance Group Progress Report for June, 1958	Andrews, N.	7/18/58	CRD
CNLM-972	Braze Radiator Core Assembly	Roger, S.	7/17/58	U
CNLM-973	Proprietary Notices	Miller, J.	7/17/58	U
CNLM-974	Classification	Miller, J.	7/17/58	U
CNLM-975	Proprietary Notices	Miller, J.	7/17/58	U
CNLM-976	Work Statement for Request for Purchase Order 155174	Horan, J.	7/18/58	CRD
CNLM-977	Work Statement for Request for Purchase Order 155175	Horan, J.	7/18/59	CRD
CNLM-978	Pertinent Portions of Schedule for the Operation of the Initial Two P&WA Forced Convection In-pile Loops (PW-15)	Parks, G.	7/18/58	U
CNLM-979	Modification No. 1 to Agreement With General Nuclear Engineering Corporation	Davis, E.	8/17/58	U
CNLM-980	Visit to Bettis Plant, W.A.P.D. Pittsburgh, Pa.	Cleary, R.	7/25/58	U
CNLM-981	Princess Take-off Thrust Requirements	Gaffin, W.	7/21/58	CDI
CNLM-982	Materials Laboratory Progress Report for June, 1958	Raring, L.	7/21/58	CRD
CNLM-983	In-pile Experiment Burnup Calculation Procedure	Parks, A.	7/22/58	U
CNLM-984	Nuclear-Ramjet Radiator Weight	Daddario, A.	7/21/58	CDI

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-985	Additional Radiator Operation Conditions for Nuclear Turbo-prop Engine	Daddario, A.	7/21/58	CDI
CNLM-986	Weldability of Special Pipe Joint	Bessette, R.	7/22/58	U
CNLM-987	Weld Shrinkage on HE-12 Heat Exchanger	Bessette, R.	7/22/58	U
CNLM-988	June Cost-Budget Report	St. Arnauld, M.	7/21/58	CRD
CNLM-989	Cost Estimate Through 6/30/58	n.a.	7/21/58	U
CNLM-990	Schedule B May and June Actual Cost Budget Analysis	n.a.	7/21/58	U
CNLM-991	Analysis of Preliminary Estimates as Against Cost Budget Estimates	n.a.	7/21/58	U
CNLM-992	Request for Columbium Properties Data	Bigelow, C.	7/22/58	U
CNLM-993	The Experimental Physics Group Progress Report for the Week Ending 7/12/58	Trapp, D.	7/24/58	CRD
CNLM-994	Molybdenum Stainless Steel Corrosion Loop Program for In-pile Loops	Parks, G.	7/24/58	U
CNLM-995	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	7/24/58	CRD
CNLM-996	Information Concerning the P&WA Liquid Metal Forced Convection Loop Given in Answer to Request of May 29, 1958	Parks, G.	7/25/58	CRD
CNLM-997	Data for Hazards Study-PWAR-12 and PWAR-12C	Dickson, J.	7/30/58	CRD
CNLM-998	Work Requests	Wesbecher, J.	7/28/58	U
CNLM-999	Estimates of Electrical Power Requirements for the Navy Powerplant Control System	Bourret, C.	7/28/58	U
CNLM-1000-1	Solid Fuel Element Specimen Irradiation	Hedden, D.	7/7/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1000-2	Solid Fuel Element Irradiation	n.a.	7/7/58	CRD
CNLM-1000-3	Irradiation of Molybdenum Tensile Specimens	Kelly, R.	7/10/58	CRD
CNLM-1000-4	Irradiation of Impact and Tensile Specimens of Colum- bium	Kelly, R.	7/10/58	CRD
CNLM-1000-5	Irradiation of Tensile Specimens of Columbium and Molybdenum Tensile Specimens	n.a.	8/5/58	CRD
CNLM-1000-6	Solid Fuel Element Specimens Irradiation	n.a.	5/11/58	CRD
CNLM-1000-7	Control Rod Material Irradiation	n.a.	5/11/58	CRD
CNLM-1000-8	Neutron Shield Material Irradia- tion	Kelly, R.	5/18/58	CRD
CNLM-1001	Posttest Examination of PWAR-11 C and PWAR-12C	Hedden, D.	7/28/58	U
CNLM-1002	Ceramic Fuel Element Power Diffusion Experiments	Cleary, R. Cooper, M.	8/19/58	CRD
CNLM-1003	Reactor Header Program	Means, H.	7/29/58	CRD
CNLM-1004	Performance Group Progress Report for July, 1958	Andrews, N.	8/1/58	CRD
CNLM-1005	Request for the Acceleration of Metallurgical Investigations Relating to Columbium Loop Fabrication	Wesbecher, J.	7/30/58	CRD
CNLM-1006	Fuel Element Development - July, 1958	Heasley, J. Lomerson, E.	7/30/58	CRD
CNLM-1007	Heat Exchanger Group Monthly Progress Report for July, 1958	Daddario, A. Denny, J.	7/31/58	CRD
CNLM-1008	Transfer Coffin for Forced Convection In-pile Loop	Parks, G.	7/31/58	CRD
CNLM-1009	Schedule 31 - Reconciling Transfers Between AEC Offices Operating Expenses	n.a.	8/1/58	CRD
CNLM-1010	Weight of Navy Powerplant System Without Intermediate Heat Exchangers	Manning, R.	8/14/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1011	"Thank You for Your Letter of June 27, 1958 Which Included Estimates..."	Holtsinger, C.	8/1/58	CRD
CNLM-1012	Schedule of Operations for PW-15 in the ETR Critical Facility	Parks, G. Heyl, P.	8/4/58	CRD
CNLM-1013	Submitting Ten Copies of an AEC Form 320 Designated as PW-17	Beardsley, G.	8/4/58	CRD
CNLM-1014	In Answer to Your Letter of July 19, 1958, the Enclosed Table Gives the Present Estimate	Beardsley, G.	8/7/58	CRD
CNLM-1015	Estimated Requirements for Special Reactor Materials	n.a.	8/7/58	CRD
CNLM-1017	Schedule 31, Dated July 30, 1958	n.a.	8/7/58	CRD
CNLM-1018	Contract No.: NO AS 58-662-C Fourth Monthly Progress Report	Beardsley, G.	8/13/58	CRD
CNLM-1019	Thermal Shocking of Natural Uranium SS... Cermet Elements	Triner, N.	8/14/58	CRD
CNLM-1020	Self-Welding Test Between Mo-0.5 Ti and SS316	Triner, N.	8/14/58	CRD
CNLM-1021	Forced Convection Lithium Corrosion Loop Test Program Forecast for Period Ending November 1, 1958	Chalfant, A. Wesbecher, J.	8/20/58	CRD
CNLM-1022	Fuel Test Specimen Program at Livermore and ARCO	Miller, J.	8/19/58	CRD
CNLM-1023	Information Requested by Northrop During Visit to Pratt and Whitney Aircraft on 6/3/58	Andrews, N.	8/27/58	CRD
CNLM-1024	Control of Ramjet Powerplant	Cole, P.	8/19/58	CRD
CNLM-1025	Report of Consultation Visit to CANEL 7 July to 1 August, 1958	Mueller, J.	8/29/58	CRD
CNLM-1026	Analysis of Amounts June, 1958	Reilly, J.	8/19/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1027	Analysis of Amounts June, 1958	Reilly, J.	8/19/58	U
CNLM-1028	Summary of Cost June, 1958	Reilly, J.	8/19/58	U
CNLM-1029	Analysis of Amounts, June, 1958	Reilly, J.	8/19/58	U
CNLM-1029 (Rev. 1)	Analysis of Amounts Invoiced Contract NO AS 58-6620 June, 1958	n.a.	10/10/58	U
CNLM-1030	Engineering and Development Contract AT 11-1-229, AF 33- 038-27341 and NO AS 58-662-C Commitment Status, June, 1958	Reilly, J.	8/19/58	U
CNLM-1031	Material Laboratory Progress Report for July, 1958	Raring, L.	8/20/58	CRD
CNLM-1032	Declassification of Special Reactor Material Use	Beardsley, G.	8/20/58	CRD
CNLM-1033	Critical Diameters of Small Fast Reactors and Estimated Shield Weight	Woodsum, H.	8/20/58	CRD
CNLM-1034	Ramjet Inlets and Exhaust Nozzles	Gaffin, W.	8/20/58	CRD
CNLM-1035	Radiator Program for FY 1959	n.a.	8/20/58	CRD
CNLM-1036	Tentative Liquid Metal Corro- sion Program	Wesbecher, J.	8/20/58	CRD
CNLM-1037	Sodium Oxide History of Intermediate Heat Exchanger Stand No. 1	Peak, R.	8/20/58	U
CNLM-1038	Systems Design Criteria and Preliminary Operational Instructions for Heat Exchanger Laboratory	James, R.	8/25/58	U
CNLM-1039	Comments in Response to McColley's Letter of 6/4/58 Concerning Soviet Document "Application of Atomic Engines in Aviation"	Holtsinger, C.	8/21/58	CRD
CNLM-1040	Capsule Irradiation Program for CANEL Ceramic Elements	Triner, N.	8/22/58	CRD
CNLM-1041	Progress Report July, 1958	Strough, R.	8/21/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1042	Progress Report - July, 1958	Meyer, R.	8/21/58	CRD
CNLM-1043	Test Program for the Hot Bench Test	Milich, J.	9/8/58	U
CNLM-1044	90 MW Lithium to NaK Heat Exchanger Characteristics as Requested in CNLM-887	Kress, S.	8/27/58	CRD
CNLM-1045	Request for Shielding Information on the Addition of a Thermal Shield to the Navy Study Reactor	Ruby, D.	8/25/58	CRD
CNLM-1046	Helium System Data for Navy Powerplant	Bronke, V.	8/26/58	CRD
CNLM-1047	Reactor Controls and Systems Analysis Progress Report for the Week Ending August 21, 1958	Elsaesser, F.	8/26/58	CRD
CNLM-1049	Feasibility Report PWAC-254	Beardsley, G.	8/27/58	U
CNLM-1050	Investigation of Clad Cracking of...Cermet Elements	Doak, R.	8/29/58	CRD
CNLM-1051	Classification for Yttrium Alloy Development	Miller, J.	9/4/58	CRD
CNLM-1052	Declassification of Financial Information	Miller, J.	9/4/58	U
CNLM-1053	Minutes of the CANEL Welding and Brazing Committee Meeting of July 2, 1958	Cote, L.	8/29/58	U
CNLM-1054	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	8/28/58	CRD
CNLM-1055	The Experimental Physics Group Progress Report for the Week Ending 8/23/58 and Starting 7/14/58	Trapp, D.	8/28/58	CRD
CNLM-1056	Welding and Brazing Development Group - Advanced Tool Engineering - July 10, 1958	Rogers, S.	8/28/58	U
CNLM-1057	Welding and Brazing Development Group Advanced Tool Engineering - July 17, 1958	Bessette, R.	8/28/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1058	Titanium Tetrachlide	Bessette, R.	7/15/58	U
CNLM-1059	History of UO ₂ Specimens	Lomerson, E.	8/29/58	CRD
CNLM-1060	Examination of Test Fuel Elements	Lomerson, E.	8/29/58	CRD
CNLM-1061	Heat Exchanger Group Monthly Progress Report for August 1, 1958	Daddario, A. Denny, J.	9/2/58	CRD
CNLM-1062	Nondestructive Evaluation of In-pile Heaters - Part No. T-1009807	Muszynski, R.	9/8/58	U
CNLM-1063	Summary of Fuel Element Capsule Irradiation Programs	Triner, N.	9/4/58	CRD
CNLM-1064	Forced Convection Lithium Corrosion Loops and Operating Hours Recorded to Date, and Capacity Predictions for FY-59	Wesbecher, S.	9/2/58	CRD
CNLM-1065	Reactor Controls and Systems Analysis Progress Report for the Week Ending August 28, 1958	Elsaesser, F.	9/3/58	CRD
CNLM-1066	Cadmium Ratio Determination in Test Specimen to be Exposed in the ETR-C	McCool, W.	9/3/58	CRD
CNLM-1067	"We are Enclosing - PWAC 582"	Holtsinger, G.	9/3/58	U
CNLM-1068	Design of Critical Mock-up to Incorporate the Three Tier Ceramic Test Specimen	Nelson, C.	9/4/58	CRD
CNLM-1069	"As and Aid to You in Properly Classifying Work Done for Us on Sponsored Task C-36 Under Your AEC Contract AT 39-1 GEN (366) We Have the Following Comments."	Beardsley, G.	9/3/58	CRD
CNLM-1070	CANEL-Heat Exchanger Laboratory 4216-R-2 Rig(s) Liquid Metal Piping	Cameron, M.	9/4/58	CRD
CNLM-1071	Active List of Engineering Order Supplements	Smith, S.	9/8/58	U
CNLM-1072	Performance Group Progress Report - August, 1958	Andrews, N.	9/8/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1073	Transmittal Letter for Enclosures and Information on Modifications in Design	Parks, G.	9/8/58	CRD
CNLM-1074	P&WA Division - Connecticut Operations - CANEL Tool and Methods Development Group - Tool Engineering	n.a.	9/8/58	U
CNLM-1075	P&WA Division - Connecticut Operations - CANEL Welding Development Group - Tool Engineering	n.a.	9/8/58	U
CNLM-1077	Reactor Controls and Systems Analysis Progress Report for the Week Ending September 4, 1958	Elsaesser, F.	9/9/58	U
CNLM-1078	In-pile Capsule Program W.O. 421233 (Cb, Cermet, ...)	Parks, A.	9/12/58	CRD
CNLM-1079	In-pile Capsule Program W.O. (Cb, Ceramic)	Parks, A.	9/12/58	CRD
CNLM-1080	In-pile Capsule Program W.O. (... Cermet)	Parks, A.	9/12/58	CRD
CNLM-1081	Determination of the Mechanical Properties of Electron Beam Vacuum Double Melted Columbium With 0.75 Percent Zirconium (XM-389)	Stewart, J.	9/10/58	CRD
CNLM-1082	Materials Progress Report for Month of August, 1958	Raring, L.	9/11/58	CRD
CNLM-1083	Supplementary Corrosion Tests Pertaining to Fuel Element Capsules	Parks, G.	9/16/58	CRD
CNLM-1084	Fuel Flow Data for PWAC-249 Powerplant	Gray, W.	9/15/58	CDI
CNLM-1085	Accounting Report - Three (3) Pages	n.a.	9/15/58	U
CNLM-1086	Reactor Controls and Systems Analysis Progress Report for the Week Ending September 11, 1958	Elsaesser, F.	9/15/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1087	Liquid Metal Instrumentation Practice	Bliss, P.	9/16/58	U
CNLM-1088	Request for Reactor Shield Weight Data	Larson, J.	9/16/58	CRD
CNLM-1089	Notes on Meeting With Navy and General Electric at Washington D.C. September 8, 1958 Regarding Stability Analysis of Air Cycle Reactor Turboprop Powerplant	Elsaesser, F.	9/16/58	CRD
CNLM-1090	Progress Report - August, 1958	Meyer, R.	9/16/58	CRD
CNLM-1091	Reactor and Shield Information Requested by North American Aviation	Lingenfelter, C.	9/16/58	CRD
CNLM-1091 (Supp. 1)	Shield Data Request	Lingenfelter, C.	10/17/58	CRD
CNLM-1092	Engineering and Development Contracts AT 11-1-229 and AF 33-038-27341 and NO AS 58-662C	Reilly, J.	9/16/58	U
CNLM-1093	Analysis of Amounts Invoiced Contract AF 33-038-27341 - July 1958	Reilly, J.	9/16/58	U
CNLM-1094	Analysis of Amounts Invoiced Contract AT 11-1-229 July, 1958	Reilly, J.	9/16/58	U
CNLM-1095	Analysis of Amounts Invoiced Contract NO AS 58-662C July, 1958	Reilly, J.	9/16/58	U
CNLM-1095 (Rev. 1)	Engineering and Development NO AS 58-662C Commitment Status July, 1958	n.a.	10/10/58	U
CNLM-1096	Summary of Cost - July, 1958 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1-229	Reilly, J.	9/16/58	U
CNLM-1097	Progress Report - August, 1958	Strough, R.	9/16/58	CRD
CNLM-1098	Meeting With Designers-PWAR 12	Dickson, J.	9/16/58	CRD
CNLM-1099	Presentation to Members of the Weapons System Evaluation Group	n.a.	9/16/58	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1100	Classification Guide for CANEL Final Draft	n.a.	9/18/58	CRD
CNLM-1100 (App. A)	Charts	n.a.	11/7/61	CRD
CNLM-1100 (Rev. 1)	Classification Guide for CANEL 12/30/58	Miller, J.	12/31/58	CRD
CNLM-1100 (Rev. 2)	Classification Guide for CANEL April 10, 1958	Miller, J.	4/17/58	CRD
CNLM-1100 (Rev. 2) (Add. 1)	Classification Guide for CANEL	Miller, J.	5/4/58	CRD
CNLM-1100 (Rev. 3)	Revision 3 - Classification Guide for CANEL Dated February 24, 1960	n.a.	3/2/60	CRD
CNLM-1100 (Rev. 4)	Classification Guide for CANEL Revision 4 November 28, 1960 Issued December 1, 1960	n.a.	12/6/60	CRD
CNLM-1100 (Rev. 5)	CANEL Classification Guide Contract AT 30-1-2789	n.a.	11/7/61	CRD
CNLM-1100 (Rev. 5A)	CANEL Classification Guide Contract AT 30-1-2789	n.a.	2/1/62	CRD
CNLM-1101	Contract NO AS 58-662C Fifth Monthly Progress Report	Beardsley, G.	9/17/58	CDI
CNLM-1102	Anticipated Scrap Returns for FY 1959	Beardsley, G.	9/17/58	U
CNLM-1103	Project No. A-452 Nuclear Rocket	Chalfant, A.	9/17/58	CRD
CNLM-1104	Preliminary Evaluation of Tube Element Designs for Lithium- to-Air Radiators	Ahern, J.	9/18/58	CRD
CNLM-1105	Presentation to the Weapons System Evaluation Group Septem- ber 11 and 12, 1958	Greenstreet, E.	10/15/58	CRD
CNLM-1106	Concerning the Enclosure CNLM- 1100	Beardsley, G.	9/19/58	CRD
CNLM-1107	"This Letter Confirms the Information"	Meyer, R.	9/19/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1108	Forwarding Comments as Requested in Convair's Letter of 9/5/58 - Drawing LK-100433 (CRD) Enclosed: This Shows Latest Proposal for System Which is Intended for Removal From the Aircraft in the Manner You Desire	Meyer, R.	9/19/58	U
CNLM-1109	Assembly Requirements for the Inner Capsule Subassembly for the ETR In-pile Loop Critical Mock-up	Nelson, C.	9/23/58	CRD
CNLM-1110	Welding and Brazing Development Group Advanced Group Tool Engineering May 4, 1958	Rogers, S.	9/22/58	U
CNLM-1111	Tool and Methods Development Group Advanced Tool Engineering	Goodin, L.	9/22/58	U
CNLM-1112	"Recent Development in the Capsule Program Concerning Have Indicated that a Modification of Operating Conditions is Desirable"	Parks, G.	9/22/58	CRD
CNLM-1113	Feasibility Report for Testing of Ceramic Type Fuel Element Test Specimens in Forced Convection In-pile Loops	Parks, G.	9/22/58	CRD
CNLM-1114	Reactor Controls and Systems Analysis Progress Report for the Week Ending September 18, 1958	Elsaesser, F.	9/23/58	CRD
CNLM-1115	Re: Application of P. Newcomb, Serial No. 687, 937 Filed 10/2/57 for Means and Method of Assembly of a Nuclear Aircraft Engine	Tasker, M.	9/23/58	U
CNLM-1116	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	9/24/58	CRD
CNLM-1117	Re: During Our Telephone Conversation of Last Friday	Parks, G.	9/24/58	U
CNLM-1118	Description of Charts Used in NASA Presentation	Strough, R.	9/25/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1119	Status-Harmonic Drive Materials Test Program	Lieberman, W.	9/25/58	CRD
CNLM-1120	Change in Program	Kuhns, R.	9/26/58	CRD
CNLM-1121	Shield Materials	Darrah, J.	9/30/58	U
CNLM-1122	General Electric Compact Core Reactor Program	Raring, L.	9/29/58	CRD
CNLM-1123	Status Report - Weld Development	Jakubowski, T.	9/29/58	CRD
CNLM-1124	Propulsion Machinery Schedules (A Black Folder Notebook Containing Forms P-69 for Test Stands and P-70 for Components)	Smith, S.	9/30/58	U
CNLM-1125	Reactor Group Schedules (A Black Folder Notebook Containing Forms P-69 for Test Stands and P-70 for Components)	Smith, S.	9/30/58	U
CNLM-1126	Tensile Test of Welded and Braze Welded Tube Type Specimens (XM-139A)	Stewart, J.	9/30/58	U
CNLM-1128	Minutes of the CANEL Welding and Brazing Committee Meeting of September 3, 1958	Cote, L.	10/1/58	U
CNLM-1129	Creep-Rupture Data for Tungsten at High Temperatures	Kress, S.	10/8/58	CRD
CNLM-1130	Monthly Progress Report for September, 1958	Tieniber, A.	10/2/58	CRD
CNLM-1131	Requests of Captain R.L. Duncan at Meeting on September 24, 1958	Meyer, R.	10/2/58	CDI
CNLM-1132	Revision of Forecast for Nuclear Materials	Kennedy, W.	10/2/58	CRD
CNLM-1133	Heat Exchanger Group Monthly Progress Report	Daddario, A. Denny, J.	10/3/58	U
CNLM-1134	Performance Group Progress Report for September, 1958	Andrews, N.	10/6/58	CRD
CNLM-1135	Minutes of the CANEL Welding and Brazing Committee Meeting of October 1, 1958	Cote, L.	10/9/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1136	Nuclear Ramjet Powerplant	Meyer, R.	10/7/58	SRD
CNLM-1137	Determination of the Mechanical Properties of Wah Chang Commercially Pure Electron Gun Melted Columbium (XM-212)	Lieberman, W.	10/7/58	U
CNLM-1138	Welding and Brazing Development Group - Advanced Tool Engineering	Bessette, R.	10/7/58	U
CNLM-1139	Final Report - Project 1040 Rotating Inert Atmosphere Chamber for Welding Small Diameter Flared Tubing on Mass Transfer Loops	Bessette, R.	10/7/58	U
CNLM-1140	Summary of Ground Rules and Decisions Pertaining to PWAR-11C and 12C Reactors Laid Down in the Design Meeting 9/25/58	Strough, R.	10/8/58	CRD
CNLM-1141	Nuclear Turboprop Powerplant Air Cycle Reactor Definition of Terms Used in Block Diagrams	Beardsley, G.	10/10/58	CRD
CNLM-1142	Letter to Capt. R. Duncan	R. Meyer	10/8/58	CRD
CNLM-1143	Forecast of Nuclear Materials Requirement 3rd Revision Fiscal Year - 1959 P&WA	n.a.	10/9/58	CRD
CNLM-1143-1	Forecast of Nuclear Materials Requirements - 3rd Revision Fiscal Year - 1959 P&WA	n.a.	10/9/58	U
CNLM-1144	Forecast of Nuclear Materials Requirements - 3rd Revision Fiscal Year - 1959 P&WA	n.a.	10/9/58	CRD
CNLM-1145	Forecast of Nuclear Materials Requirements 3rd Revision Fiscal Year - 1959 P&WA	n.a.	10/9/58	CRD
CNLM-1146	Forecast of Nuclear Materials Requirements - 3rd Revision Fiscal Year - 1959 P&WA	n.a.	10/9/58	U
CNLM-1147	Forecast of Nuclear Materials Requirements - Fiscal Year - 1959 P&WA	n.a.	10/9/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1148	Transmittal of CNLM-1143, 1143-1, 1144, 1145, 1147 * Not Transmitted	Holtsinger, C.	10/9/58	U
CNLM-1149	Comments on Patent Project A-503	Lingenfelter, C.	10/10/58	U
CNLM-1150	Irradiated Capsule Design Schedule	Parks, G.	10/10/58	CRD
CNLM-1151	Prototype Princess Effect of Reactor Coolant	Andrews, N.	10/10/58	CRD
CNLM-1152	Reactor and Shield Information Requested by North American Aviation	Bigelow, C.	10/17/58	CRD
CNLM-1152 (Supp. 1)	Shield Data as Per Request CNLM-1091, Supplement 1 for N.A.A.	Bigelow, C.	12/1/58	U
CNLM-1153	Status of Work Under Navy Contract	Meyer, R.	10/13/58	CRD
CNLM-1154	Defining of Two New Ramjet Powerplants as a Result of Meeting of August 27-29, 1958	Holtsinger, C.	10/19/58	CRD
CNLM-1154 (Supp. 1)	Defining of Two New Ramjet Powerplants as a Result of Meeting Meeting of August 27-29, 1958	Holtsinger, C.	10/13/58	CRD
CNLM-1155	Analysis of Amounts Invoiced Contract AT 11-1-229 August, 1958	Reilly, J.	10/10/58	U
CNLM-1156	Analysis of Amounts Invoiced Contract AF 33-038-27341 August, 1958	Reilly, J.	10/10/58	U
CNLM-1157	Analysis of Amounts Invoiced Contract NO AS 58-662C, August, 1958	Reilly, J.	10/10/58	U
CNLM-1158	Summary of Cost - August, 1958 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1-229	Reilly, J.	10/10/58	U
CNLM-1159	Engineering and Development Contract NO AS 68-662C Commitment Status - August, 1958	Reilly, J.	10/10/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1160	Review of Patent Project A-504	Lingenfelter, C.	10/10/58	U
CNLM-1161	Brazing Requirements for Future Columbian Alloy Radiators	Ahern, J.	10/13/58	U
CNLM-1162	Progress Report - September, 1958	Meyer, R.	10/13/58	CRD
CNLM-1163	Reactor Controls and Systems Analysis Progress Report for the Week Ending October 9, 1958	Elsaesser, F.	10/13/58	CRD
CNLM-1164	Vendor Restrictive Usage Notices	Miller, J.	10/14/58	U
CNLM-1165	J-58 Nuclear Conversion Radiator Data	Larson, J.	10/13/58	CDI
CNLM-1166	Tentative Procedure for Safely Loading the PWAR-12-C Core	Rotondo, C.	10/16/58	CRD
CNLM-1167	Schedule B Preliminary Esti- mates Versus Cost Budget Estimate	n.a.	10/15/58	U
CNLM-1168	Forced Convection Liquid Metal In-pile Loop Analog Analysis of Heat Exchanger	Vassallo, D.	10/15/58	CRD
CNLM-1169	Logistics Carrier With J-91 Engine	Horan, J.	10/15/58	CRD
CNLM-1170	Radiator Performance in Four Alternate Navy Princess Powerplants	Turner, G.	10/15/58	CRD U
CNLM-1171	Columbium vs. Inconel/and Hastel- loy X at 2250F	Davis, D.	10/17/58	CRD
CNLM-1172	Material Compatibility Testing	Davis, D.	10/15/58	CRD
CNLM-1173	Experimental Releases - Materials	Clough, W.	10/15/58	U
CNLM-1174	Contract NO AS 58-662C Sixth Monthly Progress Report	Beardsley, G.	10/17/58	CRD
CNLM-1175	The Oxidation Resistance of Cb-20 w/o Ti Samples Aluminum Coated by the A Tickle Engineer- ing Works, Inc.	Pagano, A.	10/20/58	CRD
CNLM-1176	Minutes of Corrosion Loop Fabrication Meeting October 10, 1958	Wesbecher, J.	10/20/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1177	Progress Report - September, 1958	Strough, R.	10/20/58	CRD
CNLM-1178	Reactor Controls and Systems Analysis Progress Report for the Week Ending 10/16/58	Elsaesser, F.	10/20/58	U
CNLM-1179	Supplement to Our Request Regarding Columbium in Our Letter of 8/19/58	Beardsley, G.	10/21/58	U
CNLM-1180	Materials Laboratory Progress Report for September, 1958	Raring, L.	10/21/58	CRD
CNLM-1181	Report on Discussions Held at Fansteel Metallurgical Corporation and Description of Sierra Metals Company Plant	Hirakis, E.	10/21/58	U
CNLM-1182	Assignment of Pin-Type Burnup Specimens to In-pile Capsules	Parks, A.	10/23/58	CRD
CNLM-1183	Contract NO AS 58-662C	Meyer, R.	10/22/58	U
CNLM-1185	Reactor Controls and Systems Analysis Progress Report for the Week Ending October 23, 1958	Elsaesser, F.	10/24/58	U
CNLM-1186	28 inches by 34 inches Print PWAR-11C Reactor	n.a.	10/27/58	SRD
CNLM-1187	Request for Nuclear Physics Analysis of the Structural Material Irradiation Experiment	Centofanti, A.	10/27/58	U
CNLM-1188	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	10/27/58	CRD
CNLM-1189	Weight and Pressure Loss for Alternate Navy Princess Radiators	Turner, G.	10/27/58	CDI
CNLM-1190	AEC Case No. S-13, 648	Schenck, H.	10/29/58	SRD
CNLM-1191	Cooling of External Segmented Reflector PWAR-12	Biron, R.	10/29/58	CRD
CNLM-1192	Filling Instructions for the Pratt and Whitney Forced Convection Liquid Metal In-pile Loop Experiment (PW-19) April 29, 1959	Heyl, P.	5/14/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1194	Experimental Operating Instructions for the Pratt and Whitney Forced Convection Liquid Metal In-pile Loop Experiment (PW-19)	n.a.	9/2/59	U
CNLM-1194 (Supp. 1)	Experimental Operating Instructions for the Pratt and Whitney Forced Convection Liquid Metal In-pile Loop Experiment (PW-19) Alarm and Control Setpoint Supplement for Experiment PW 19-1	n.a.	8/21/59	U
CNLM-1194 (Sec. 2)	Experiment Insertion* and Removal Instructions for the Pratt and Whitney Forced Convection Liquid Metal In-pile Loop Experiment (PW-19)	n.a.	10/13/59	U
CNLM-1194 (Rev. 1)	Experimental Operating Instructions for the Pratt and Whitney Forced Convection Liquid Metal In-pile Loop Experiment (PW-19) (Revised for Experiments PW-19-3 and 4)	n.a.	12/14/59	U
CNLM-1194 (Supp. 2)	Experimental Operating Instructions for the Pratt and Whitney Forced Convection Liquid Metal In-pile Loop Experiment (PW-19) Alarm and Control Setpoint Supplement for Experiment PW-19-2	n.a.	1/26/60	U
CNLM-1194 (Supp. 3)	Alarm and Control Setpoint Supplement for Experiment PW-19-3	n.a.	6/23/60	U
CNLM-1194 (Supp. 4)	Alarm and Control Setpoint Supplement for Experiment PW-19-4	n.a.	6/23/60	U
CNLM-1195	Identification of Designs for Fuel Element Specimens	Copper, M.	10/30/58	CRD
CNLM-1196	Reactor, Shield and Performance Data for a Nuclear Turbojet Powerplant	Larson, J.	10/31/58	CRD
CNLM-1197	Parametric Turboprop and Turbo-fan Data	n.a.	10/31/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1197 (Supp. 1)	Parametric Turboprop and Turbo-fan Data	Lingenfelter, C.	12/3/58	CRD
CNLM-1198	In-pile Loop Welding and Brazing Procedure for Fill Tube and Helium Lines	LaPan, A. Milich, J.	10/31/58	U
CNLM-1199	Qualitative Study of the Effects of Operating the Modified T-57 Engine at Conditions Different From Those for Which it Was Designed	Meyer, R.	10/31/58	U
CNLM-1200	Revised Capsule Irradiation Program for Ceramic Pins	Triner, N.	11/4/58	CRD
CNLM-1201	Welding and Brazing Development Group Advanced Tool Engineering	Bessette, R.	10/31/58	U
CNLM-1202	CANEL Nuclear Test Facility	Hedden, D. Vanbrunt, E.	11/14/58	CRD
CNLM-1203	Reactor Controls and Systems Analysis Progress Report for the Week Ending October 30, 1958	Elsaesser, F.	11/3/58	CRD
CNLM-1204	Letter Was Prepared in Answer to the Questions Messrs. R. R. Brown and J. Lynch Asked Mr. D. Greaterex of P&WA Washington Office	Meyer, R.	11/3/58	CRD
CNLM-1205	Assignment of Fuel Element Test Specimen for In-pile Loop Number 1	Parks, G.	11/3/58	U
CNLM-1206	Heat Exchanger Group Monthly Progress Report for October, 1958	Daddario, A.	11/5/58	U
CNLM-1207	Monthly Progress Report for 10/58	Tieniber, A.	11/5/58	CRD
CNLM-1208	Performance Group Progress Report for 10/58	Andrews, N.	11/5/58	CRD
CNLM-1209	Inspection of Molybdenum Plus 0.45 Percent Titanium Alloy for Use in Post Irradiation Tensile Tests	Burgess, K.	11/5/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1210	An Extension of the Data Presented in PWAC-249 Rev. 1 Prepared at the Request of the BAR	Gray, W.	11/14/58	CDI
CNLM-1211	Summary of T-57 Turbine Modifications for BAR Applications	Gray, W.	11/12/58	U
CNLM-1212	Presentation of Ralph M. Parsons Company Nuclear Seaplane Base Study	Hedden, D.	11/7/58	U
CNLM-1213	Weight Estimate and Center of Gravity for JT-11 Nuclear Conversion Study	Manning, R.	11/7/58	U
CNLM-1214	... Clad Burnup Specimens for Capsules	Parks, A.	11/10/58	CRD
CNLM-1215	J-58 Nuclear Conversion Radiator Your Memo CNLM-1165	Horan, J.	11/10/58	CRD
CNLM-1216	Description of Pin Suspension	Butts, C.	11/10/58	CRD
CNLM-1217	E.O.S.'s	Frazier, G.	11/11/58	U
CNLM-1218	Assembly Requirements for the Inner Capsule Subassembly for the ETR In-pile Loop Critical Mock-up	Nelson, C.	11/12/58	CRD
CNLM-1218 (Supp. 1)	Assembly Requirements for the Inner Capsule Subassembly for the ETR In-pile Loop Critical Mock-up	Nelson, C.	2/5/59	CRD
CNLM-1218 (Supp. 1) (Rev. A)	Assembly Requirements for the Inner Capsule Subassembly for the ETR In-pile Loop Critical Mock-up	Nelson, C.	2/26/59	U
CNLM-1219	Elastic Tests on Hexagonal Aluminum Extrusions (Empty and Filled)	Berlin, R.	11/11/58	U
CNLM-1220	Metallurgy Report for Month of October, 1958	Treciokas, V.	11/11/58	CRD
CNLM-1221	Re: Transfer of Three Drawings LK-100474, TLJ-100439, TLK-200466 Sheet 1	Meyer, R.	11/12/58	CRD
CNLM-1222	Progress Report October, 1958	Meyer, R.	11/12/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1223	Remaining Work Under Navy Contract NO AS 58-662C	Meyer, R.	11/14/58	CDI
CNLM-1224	Radiator Data Request	Gray, W.	11/13/58	U
CNLM-1225	Analysis of Preliminary Estimates as Against Cost Budget Estimates	St. Arnauld, M.	11/14/58	U
CNLM-1226	Preliminary Report on Controllability of Nuclear Turbo-prop Powerplant With Air Cycle Reactor	n.a.	11/14/58	CRD
CNLM-1227	Transfer Functions for Nuclear T-57 Turboprop Engine With Air Cycle Reactor	n.a.	11/14/58	U
CNLM-1228	Request for a Summary of the Measured Flux Data Which We Have Received From Livermore	Parks, G.	11/13/58	CRD
CNLM-1229	Narrative Comments Applicable to P&WA's October Cost-Budget Report (CNLM-1225)	St. Arnauld, M.	11/14/58	U
CNLM-1230	Work Requests	Wesbecher, J.	11/14/58	CRD
CNLM-1231	Transmittal of CNLM-1218	Parks, G.	11/17/58	U
CNLM-1232	Cermet Fuel Element Progress Report	Craig, R.	11/17/58	CRD
CNLM-1233	Status of North American's Nuclear B-70 Study	Lingenfelter, C.	11/17/58	CRD
CNLM-1234	Contract NO AS 58-662C Seventh Monthly Progress Report	Beardsley, G.	11/17/58	CRD
CNLM-1235	Progress Report - October, 1958	Strough, R.	11/17/58	CRD
CNLM-1236	Reactor Controls and Systems Analysis Progress Report for the Week Ending 11/13/58	Elsaesser, F.	11/17/58	CRD
CNLM-1237	"During the Visit of Mr. C.D. Lingenfelter to North American on November 4, 1958 Information Was Requested Which is Enclosed in"	Holtsinger, C.	11/18/58	CRD
CNLM-1238	Contract NO AS 58-662C	Meyer, R.	11/18/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1239	"The Enclosure, CNLM-1210, Was Prepared at the Request of the BAR and Contains Part"	Meyer, R.	11/18/58	CDI
CNLM-1240	"The Enclosure, CNLM-1210, Was Prepared at the Request of the BAR and Contains Part"	Meyer, R.	11/18/58	CDI
CNLM-1241	Analysis of Amounts Invoiced Contract AT 11-1-229 September, 1958	n.a.	11/18/58	U
CNLM-1242	Analysis of Amounts Invoiced Contract AF 33-038-27341 September, 1958	n.a.	11/18/58	U
CNLM-1243	Analysis of Amounts Invoiced Contract NO AS 58-662C	n.a.	11/18/58	U
CNLM-1244	Summary of Cost - September, 1958 Contracts AF 33-038-27341 NO AS 58-662C and AT 11-1-229	n.a.	11/18/58	U
CNLM-1245	Engineering and Development Contracts AT 11-1-229 and AF 33-038-27341 - Commitment Status September, 1958	n.a.	11/18/58	U
CNLM-1246	Materials Laboratory Progress Report for October, 1958	Raring, L.	11/19/58	CRD
CNLM-1247	Determination of the Effect of the Sigma Phase on the Mechanical Properties of 316 Stainless Steel	Lieberman, W	11/19/58	U
CNLM-1248	The Attached Information Was Requested by Mr. L. DeRose	Morrisson, R.	11/19/58	U
CNLM-1249	Powerplant Data Based on Total Thrust at M = .9 and Sea Level = 60,000 Pounds	Morrisson, R.	11/19/58	CRD
CNLM-1250	Information on Au, Ni, Cr	Gavert, R.	11/20/58	CRD
CNLM-1251	Controls Group Progress Report for the Month of October, 1958	Palmer, R.	11/20/58	CRD
CNLM-1252	Forced Convection Lithium Corrosion Program Forecast	Chalfant, A. Wesbecher, J.	11/21/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1253	Radiator Weight Estimate for Turbofan Low Level Mission	Andrews, N.	11/21/58	CDI
CNLM-1254	Columbium Alloy Preparation for Welding Research and Development	Aconsky, S.	11/25/58	CRD
CNLM-1255	Preliminary Design of Army Mobile Reactor	Walton, J.	11/24/58	CRD
CNLM-1256	Seventh Disclosure of an Inventions Report Contract AT 11-1-229	Tasker, M.	11/24/58	U
CNLM-1257	Powerplant Performance for a Supersonic Nuclear Turbojet Powerplant	Larson, J.	12/24/58	CRD
CNLM-1258	Status Report - 3/4 MW Loop Program	Austin, G.	11/25/58	CRD
CNLM-1259	Latest Santowax Environmental Conditions	Woods, T.	11/25/58	CRD
CNLM-1260	Supersonic Sea Level Missile Parametric Study	Bronke, V. Gaffin, W.	12/11/58	CRD
CNLM-1261	Monthly Progress Report for October, 1958 Under Contract AT 11-1-229	Schmickrath, B.	11/28/58	CRD
CNLM-1262	Preliminary Radiator Design Data for CANEL Nuclear Test Facility Application	Ackerman, N.	12/3/58	CDI U
CNLM-1263	Carbide Base Materials Bi-monthly Progress Report	Miller, A.	12/1/58	CRD
CNLM-1264	Shield Weight Summary	Johnson, C.	12/1/58	CRD
CNLM-1265	On November 26, 1958 We Forwarded Three Copies of Report PWAC-262"	Holtsinger, C.	12/1/58	CRD
CNLM-1266	Presentation to the Atomic Energy Commission	Brown, H.	12/8/58	CRD
CNLM-1267	"On November 26, 1958 We Forwarded Three Copies of Report PWAC-262"	Holtsinger, C.	12/1/58	U
CNLM-1268	"On November 26, 1958 We Forwarded Three Copies of Report PWAC-262"	Holtsinger, C.	12/1/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1269	Transmittal of CNLM-1226, and CNLM-1197 Supplement 1	Beardsley, G.	12/2/58	CDI
CNLM-1270	High Temperature Carbide Systems	Miller, A.	12/2/58	CRD
CNLM-1271	Bimonthly Progress Report for 11/15/58	Davis, D.	12/2/58	U
CNLM-1272	Cermet Fuel Element Progress Report	Craig, R.	12/2/58	CRD
CNLM-1273	Transmittal of TIM-572	Parks, G.	12/2/58	CRD
CNLM-1274	Design Criteria for CANEL Hot Laboratory	MacFarlane, D. Hawkins, R.	12/12/58	U
CNLM-1275	Contract NO AS 58-662C	Meyer, R.	12/2/58	CDI
CNLM-1276	Radiator Data for Follow Up Navy Applications	Turner, G.	12/4/58	CDI
CNLM-1277	Heat Exchanger Group Monthly Progress Report for November, 1958	Denny, J.	12/3/58	U
CNLM-1278	Welding Development Group Tool Engineering Index of Projects	n.a.	12/3/58	U
CNLM-1279	Tool and Methods Development Group - Tool Engineering	n.a.	12/3/58	U
CNLM-1280	Activation Analysis of Foil Detectors and Fuel Regions of the Ceramic Three-Tier ETR Critical Mock-up Experiment	Smolen, J.	12/5/58	CRD
CNLM-1281	Performance Group Progress Report for November, 1958	Lingenfelter, C.	12/4/58	CRD
CNLM-1282	Minutes of the CANEL Welding and Brazing Committee Meeting of November 5, 1958	Cote, L.	12/8/58	U
CNLM-1283	Requested Reactor Data for PWAR-12C	Rotondo, C.	12/11/58	CRD
CNLM-1284	Welding and Brazing Develop- ment Group Advanced Tool Engineering	Bessette, R.	12/5/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1285	Summary Report on Procurement of Experimental Materials (XM) Numbered 100 Through 199	Kycia, M.	12/9/58	CRD
CNLM-1286	Navy Turbofan Engine Radiator	Horan, J.	12/11/58	CDI
CNLM-1287	Summary of Cost - October, 1958 Contracts AF 33-038-27341, NO AS 58-662-C and AT 11-1-229	n.a.	12/10/58	U
CNLM-1288	Analysis of Amounts Invoiced Contract AT 11-1-229	n.a.	12/10/58	U
CNLM-1289	Analysis of Amounts Invoiced Contract AF 33-038-27341 October, 1958	n.a.	12/10/58	U
CNLM-1290	Analysis of Amounts Invoiced Contract NO AS 58-662-C October, 1958	n.a.	12/10/58	U
CNLM-1291	Engineering and Development Contracts AT 11-1-229 and AF 33-038-27341 October, 1958	n.a.	12/10/58	U
CNLM-1292	Unaccountable Loss for 30% UO ₂ Powder	Lomerson, E.	12/10/58	U
CNLM-1293	Metallurgy Progress Report for November, 1958	Treciokas, V.	12/10/58	CRD
CNLM-1294	Reactor Controls and Systems Analysis Progress Report for the Week Ending 12/4/58	Elsaesser, F.	12/11/58	CRD
CNLM-1295	Progress Report - November, 1958	Meyer, R.	12/12/58	CRD
CNLM-1296	Availability Status of Reactor Materials for Cold Critical Experiment PWAR-12	Horan, J.	12/12/58	CRD
CNLM-1297	... Layout Diagrams for the Ceramic ... Test Specimen Assemblies	Nelson, C.	12/22/58	CRD
CNLM-1298	Contract NO AS 58-662-C	Beardsley, G.	12/15/58	CRD
CNLM-1299	Columbium Clad Ceramic Specimen Photographs	Parks, A.	12/17/58	U
CNLM-1300	Materials Laboratory Progress for November, 1958	Raring, L.	12/22/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1301	Radiator Data for Advanced Naval Applications	Gray, W.	12/22/58	CRD
CNLM-1302	Reactor Controls and Systems Analysis Progress Report for the Week Ending December 11, 1958	Elsaesser, F.	12/16/58	CRD
CNLM-1303	Contract NO AS 58-662-C Eighth Monthly Progress Report	Beardsley, G.	12/16/58	CRD
CNLM-1304	Proposal for Amendment to Contract NO AS 58-662-C Covering Engineering Studies and Development of Components for Aircraft Nuclear Propulsion Systems	Schmickrath, G.	12/16/58	CDI
CNLM-1305	Classification Change in CNLM-1306 (Comments on Draft Survey #62)	Beardsley, G.	12/12/58	U
CNLM-1306	Comments on Draft Survey #62 Survey of Source and Special Nuclear Materials Management P&WA CANEL Site, Middletown, Connecticut	Beardsley, G.	12/17/58	CRD
CNLM-1307	Nuclear B-70 Powerplant Shield Data	Larson, J.	12/22/58	CRD
CNLM-1308	Tool and Methods Development Group - Advanced Tool Engineering	Asmond, L.	12/17/58	U
CNLM-1309	Tool and Methods Development Group - Advanced Tool Engineering	Goodin, L.	12/17/58	U
CNLM-1310	Tool and Methods Development Group - Advanced Tool Engineering	Goodin, L.	12/17/58	U
CNLM-1311	Tool and Methods Development Group - Advanced Tool Engineering	Asmond, L.	12/17/58	U
CNLM-1312	Tool and Methods Development Group - Advanced Tool Engineering Development of Universal Elox Machine (603 Radiator)	Asmond, L.	12/17/58	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1313	Request for Turbojet Engine Radiator Data	Larson, J.	12/17/58	CDI
CNLM-1314	Conference on PWAR-11C	Krasnitski, J.	12/18/58	CRD
CNLM-1315	Minutes of the CANEL Welding and Brazing Committee Meeting of December 10, 1958	Cote, L.	12/19/58	U
CNLM-1316	Materials Properties Request for PWAR-12 Design Report	Wood, T.	12/18/58	CRD
CNLM-1317	Materials Properties Request for PWAR-12 Design Report	Wood, T.	12/18/58	CRD
CNLM-1318	Cermet Fuel Element Progress Report	Craig, R.	12/18/58	CRD
CNLM-1319	Transmittal of CNLM-1280	Parks, G.	12/19/58	U
CNLM-1320	Progress Report - November, 1958	Strough, R.	12/19/58	CRD
CNLM-1321	Presentation to the General Advisory Committee of the Atomic Energy Commission	Greenstreet, E.	12/24/58	CRD
CNLM-1321 (Rev. 1)	Presentation Covering CANEL Reactor Program	Greenstreet, E.	1/9/59	SRD
CNLM-1322	Technical Report Writing Procedure	Smith, A.	3/5/59	U
CNLM-1323	Intended Operation of a P&WA Work Order System	Beardsley, G.	12/22/58	U
CNLM-1324	Reactor Controls and Systems Analysis Progress Report for the Week Ending December 18, 1958	Elsaesser, F.	12/22/58	U
CNLM-1325	Liquid Metal Heat Exchanger Survey and Program Evaluation	Means, H.	12/23/58	CRD
CNLM-1326	Explanation of Input Used in Three Sample Problems	Woodsum, H.	12/23/58	CRD
CNLM-1327	Transmittal of DCF 6959	Dytko, E.	12/23/58	U
CNLM-1328	Transmittal of TIM 584 and 585	Parks, G.	12/24/58	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1329	Request for Preliminary Fabrication Experiments on Cb-UO ₂ Fuel Elements	Chalfant, A.	12/29/58	CRD
CNLM-1330	"This is to Confirm the Results Given to You December 9th of Three Externally Mounted Radiator Applications for the Following"	Horan, J.	12/29/58	CRD
CNLM-1331	Visit to NASA Lewis Laboratory - 12/5/58	Strough, R.	12/30/58	CRD
CNLM-1332	Shield Designs for Navy Sea-plane Study	Gray, W.	1/5/58	CRD
CNLM-1333	Tool and Methods Development Group - Advanced Tool Engineering	Goodin, L.	12/31/58	U
CNLM-1334	Your Letter 58LA 14762 Dated 9/26/58	Mallet, L.	12/30/58	CRD
CNLM-1335	Revised Availability Status of Reactor Materials for Cold Critical Experiment PWAR-12	Horan, J.	12/31/58	CRD
CNLM-1336	BeO-UO ₂ Fuel Research for Air Cooled Reactors	Darrah, J.	12/31/58	CRD
CNLM-1337	Tool and Methods Development Group - Advanced Tool Engineering	Goodin, L.	12/31/58	U
CNLM-1338	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	12/31/58	CRD
CNLM-1339	Advanced Thermocouple Development	Bliss, P.	12/31/58	CRD
CNLM-1340	The Job Number System and the Computing Laboratory	Auslender, S.	1/12/59	U
CNLM-1340 (Rev. 1)	The Job Number System at UAC Computing Laboratory	Trapp, D.	5/26/59	U
CNLM-1340 (Rev. 2)	UAC Computing Laboratory Job Number System	Smith, S.	9/25/59	U
CNLM-1340 (Rev. 3)	UAC Computing Laboratory Job Number System	Smith, S.	11/8/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1340 (Rev. 4)	UAC Computing Laboratory Job Number System	Smith, S.	4/28/61	U
CNLM-1340 (Rev. 8)	UAC Computing Laboratory Job Numbers	Alwell, S.	5/8/63	U
CNLM-1341	Status of North American Nuclear B-70 Study	Lingenfelter, C.	1/2/59	CDI
CNLM-1342	Safety Measures Applicable to Operation of X-228 Photo-manometer Panel	Rice, A.	1/2/59	U
CNLM-1343	List of Active Engineering Order Supplements as of 12/29/58	Smith, S.	1/5/59	U
CNLM-1344	"Excerpt From Air Force Contract AF 33-038-27341 by Number and Description"	Beardsley, G.	1/2/59	CDI
CNLM-1345	The SNAP Program	Strough, R.	1/2/59	U
CNLM-1346	Performance Group Progress Report for December, 1958	Lingenfelter, C.	1/5/58	CRD
CNLM-1347	Heat Exchanger Group Monthly Progress Report for December, 1958	Daddario, A.	1/5/58	CDI
CNLM-1348	Radiator Warm Up Data for CANEL Nuclear Test Facility	Ackerman, N.	1/8/59	U
CNLM-1349	Literature Survey on Radiation Stability of Boron Carbide	Heasley, J.	1/6/58	CRD
CNLM-1350	Transmittal Letter for TIM-571 Supplement 1 and 2	Parks, G.	1/7/59	CRD
CNLM-1351	Re: In Reply to Your Letter of October 22, 1958 to G. Holtsinger	Strough, R.	1/8/59	CRD
CNLM-1352	LM-3 Valve Survey	Couture, A.	1/8/59	CRD
CNLM-1353	Schedule for the Operation of Experiments	Parks, G.	1/9/59	CRD
CNLM-1354	Cost Estimate for Six Forced Convection NaK Corrosion Loops Simulating Secondary System	Wesbecher, J.	1/9/59	U
CNLM-1355	Engineering and Development Contracts AT 11-1-229 and AF 33-038-27341 Commitment Status November, 1958	n.a.	1/9/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1356	Analysis of Amounts Invoiced Contract NO AS 58-662-C November, 1958	n.a.	1/9/59	U
CNLM-1357	Analysis of Amounts Invoiced Contract AF 33-038-27341 November, 1958	n.a.	1/9/59	U
CNLM-1358	Analysis of Amounts Invoiced Contract AT 11-1-229 November, 1958	n.a.	1/9/59	U
CNLM-1359	Summary of Cost - 11/58 Contracts AF 33-038-27341 NO AS 58-662-C and AT 11- 1-229	n.a.	1/9/59	U
CNLM-1360	Forecast of Nuclear Materials Requirements 4th Revision Fiscal Year - 1959 - P&WA	n.a.	1/9/59	U
CNLM-1361	Forecast of Nuclear Materials Requirements 4th Revision Fiscal Year - 1959 - P&WA	n.a.	1/9/59	U
CNLM-1361 (Rev. 1)	Forecast of Nuclear Materials Requirements 4th Revision Fiscal Year - 1959 - P&WA	n.a.	1/9/59	CRD
CNLM-1362	Forecast of Nuclear Materials Requirements 4th Revision Fiscal Year - 1959 - P&WA	n.a.	1/9/59	U
CNLM-1363	Forecast of Nuclear Materials Requirements 4th Revision Fiscal Year - 1959 - P&WA	n.a.	1/9/59	U
CNLM-1364	"In Accordance With Your Verbal Request, We are For- warding Herewith"	Schmickrath, B.	1/9/59	CDI
CNLM-1365	NMRD Progress Report for Month of December, 1958	Darrah, J.	1/12/59	CRD
CNLM-1366	Evaluation of Multiple-Section Radiators for the Princess Application	Turner, G.	1/14/59	CDI
CNLM-1367	Capsule Schedule	Parks, A.	1/15/59	CRD
CNLM-1368	In-pile Capsule Design ...	Parks, A.	1/15/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1369	In-pile Capsule Design...	Parks, A.	1/15/59	CRD
CNLM-1370	Radiator and Flight Performance of a Multiple Section Radiator System for the Princess Application	Turner, G.	1/16/59	CDI
CNLM-1371	Temperature Changes in In-pile Capsules	Parks, A.	1/19/59	CRD
CNLM-1372	Metallurgical Engineering Progress Report for December, 1958	Treciokas, V.	1/16/59	CRD
CNLM-1373	Request for Construction of a Flow Visualization Rig (4222 R-18)	Bernstein, E.	1/19/59	U
CNLM-1374	"I am Enclosing With This Letter One Copy of TIM-572 Supplement 1"	Parks, G.	1/16/59	CRD
CNLM-1375	Contract NOas 58-662-C, Ninth Monthly Progress Report	Beardsley, G.	1/19/59	CRD
CNLM-1376	Minutes of the CANEL Welding and Brazing Committee Meeting of January 7, 1959	Beebe, D.	1/21/59	U
CNLM-1377	Progress Report - December, 1958	Strough, R.	1/19/59	CRD
CNLM-1378	Cermet Fuel Progress Report	Craig, R.	1/20/59	CRD
CNLM-1379	Materials Laboratory Progress Report for December, 1958	Raring, L.	1/20/59	CRD
CNLM-1380	Controls Group Progress Report for the Month of December, 1958	Palmer, R.	1/20/59	CRD
CNLM-1381	Cermet Fuel Progress Report	Craig, R.	1/21/59	CRD
CNLM-1382	Tool and Methods Development Group Advanced Tool Engineering	Asmond, L.	1/23/59	U
CNLM-1383	Tool and Methods Development Group Advanced Tool Engineering	Goodin, L.	1/23/59	U
CNLM-1384	Tool and Methods Development Group Advanced Tool Engineering	Asmond, L.	1/23/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1385	Tool and Methods Development Group Advanced Tool Engineer- ing	Asmond, L.	1/23/59	U
CNLM-1386	Ref: PWA Letter to General Keirn 6/27/58	Holtsinger, C.	1/23/59	CRD
CNLM-1387	Reactor Hazards	Bilharz, O.	1/26/59	U
CNLM-1388	Weekly Progress Report Metallurgical Joining Development	Spinelli, F.	1/27/59	CRD
CNLM-1389	Transmittal of Unclassified X-rays of Fuel... Incorporated into the Flux Run Experiments	Parks, G.	1/28/59	CRD
CNLM-1390	Water Flow Test of TSF-1 in Stand X-228	Horan, J. Rice, A.	1/28/59	U
CNLM-1391	CANEL Operations Materials Development Laboratory 11/ 15/57	n.a.	1/28/59	U
CNLM-1392	Monthly Report of Contractor Employment-Month of April, 1958	n.a.	1/28/59	U
CNLM-1393	Forecast of Employment - P&WA 7/5/56	n.a.	1/28/59	U
CNLM-1393 (Rev. A)	Forecast of Employment - P&WA 7/5/56	n.a.	1/28/59	U
CNLM-1394	Forecast of Employment - P&WA 12/5/56	n.a.	1/28/59	U
CNLM-1395	Revised Forecast of Employment P&WA 5/15/57	n.a.	1/28/59	U
CNLM-1396	Monthly Report of Contractor Employment - March, 1956 - Chicago Operations Office	n.a.	1/28/59	U
CNLM-1397	Monthly Report of Contractor Employment - Chicago Operations Office May, 1956	n.a.	1/28/59	U
CNLM-1398	Monthly Report of Contractor Employment - April, 1957 Chicago Operations Office	n.a.	1/28/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1399	Monthly Report of Contractor Employment - September, 1957 Chicago Operations Office	n.a.	1/28/59	U
CNLM-1400	Monthly Report of Contractor Employment - December, 1958 Lockland Operations Office	n.a.	1/28/59	U
CNLM-1401	Transportation of Highly Radioactive Materials - AEC Request for Specific Information	O'Connell, H.	1/28/59	U
CNLM-1402	Mid-year Review of FY 1959 Program Containing: Exhibits A, B, F, H, I,	n.a.	1/28/59	U
CNLM-1403	Bimonthly Progress Report	Miller, A.	1/29/59	CRD
CNLM-1404	Transient Tests of Low and High Power Alarm Circuits in the Control Panel for the In-pile Loop	Hahn, H.	1/29/59	U
CNLM-1405	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	1/30/59	CRD
CNLM-1406	Program Outline for Welding of Dissimilar Metals	Jakubowski, T.	2/2/59	CRD
CNLM-1407	Vendor Restrictive Usage Notices	Miller, J.	2/2/59	U
CNLM-1408	Performance Group Progress Report for January, 1959	Lingenfelter, C.	2/2/59	CRD
CNLM-1409	Thermodynamic Study of Compatibility of Cermet Fuel Materials	Craig, R.	2/3/59	CRD
CNLM-1410	Heat Exchanger Group Monthly Progress Report for January, 1959	Daddario, A.	2/4/59	CDI
CNLM-1411	Additional Temperature Distribution Data for NT-15 Radiators	Turner, G.	2/4/59	CRD
CNLM-1412	Cermet Fuel Progress Report	Craig, R.	2/4/59	CRD
CNLM-1413	Bimonthly Progress Report	Miller, A.	2/4/59	CRD
CNLM-1414	Control Element Materials Research Program for PWAR-11C	Miller, A.	2/4/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1415	NMRD Progress Report for January, 1959	Darrah, J.	2/5/59	CRD
CNLM-1416	Transfer Coffin for In-pile Test Capsules	Parks, A.	2/6/59	CRD
CNLM-1417	Na-Nak Test Heat Exchanger HE-12C (Taken From PWAC-584)	Means, H.	2/6/59	CRD
CNLM-1418	"After Examining Your Weekly Progress Report Dated January 28, 1959"	Parks, G.	2/6/59	CRD
CNLM-1419	Temperature Distribution in Rotary Harmonic Drive (United Shoe Version)	Jahn, R. Fritz, R.	2/13/59	U
CNLM-1420	Discharge Coefficients of X-850 Hazards Rig Spray Tubes and Orificed Tuber Element	Rice, A.	2/9/59	U
CNLM-1421	Backup Calculations In-pile Loop Coffin	Vassallo, D.	3/10/59	U
CNLM-1422	Minutes of the CANEL Welding and Brazing Committee Meeting of February 4, 1959	Beebe, D.	2/13/59	U
CNLM-1423	Characteristics of the CANEL Site and Surrounding Area Dated October 20, 1958	n.a.	3/4/59	U
CNLM-1424	Presentation to Members of the Advisory Committee on Reactor Safeguards and the Reactor Hazards Evaluation Staff of the Atomic Energy Commission	Grahan, R.	3/4/59	CRD
CNLM-1425	Predicted Expenditures, Advanced In-pile Loops	Parks, G.	2/9/59	U
CNLM-1426	Preliminary Vibration Study of the NT-15 Radiator	Turner, G.	2/10/59	CDI
CNLM-1427	Predicted Liquid Metal Pressure Drop of TSF-1 in Stand X-874	Ackerman, N.	2/11/59	U
CNLM-1428	In-pile Capsule Test Specimen Data	Parks, A.	2/13/59	CRD
CNLM-1429	Significant Accomplishments	Strough, R.	2/11/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1430	Thermocouple Materials	Wesbecher, J.	2/11/59	CRD
CNLM-1431	Comparative Response Characteristics of the Friez Serovane and Beckman and Whitley Wind Measuring Systems	O'Connell, H.	2/18/59	U
CNLM-1432	Metallurgical Engineering Progress Report for January, 1959	Treciokas, V.	2/12/59	CRD
CNLM-1433	I am Enclosing With This Letter One Copy of CNLM-1218	Parks, G.	2/12/59	CRD
CNLM-1434	Nuclear Powered Supersonic Bomber Comparison	Gaffin, W.	2/12/59	CRD
CNLM-1435	Fatigue Life Requirement for the Harmonic Drive Flex Tube	Bourret, C.	2/12/59	CRD
CNLM-1436	Test Conditions and Posttest Ductility of Welds From Loop LCCT-3B2	Wesbecher, J.	2/13/59	CRD
CNLM-1437	Pluto...Fuel Elements	Darrah, J.	2/13/59	U
CNLM-1438	Oxidation Testing of Cb-20 w/% Ti Tubes	Flynn, J.	2/16/57	U
CNLM-1439	Contract Noas 58-662-C Tenth Monthly Progress Report	Beardsley, G.	2/16/59	CRD
CNLM-1440	Proposal for the Design, Fabrication, and Operation of an Experimental Lithium-Cooled Reactor	n.a.	2/19/59	CRD
CNLM-1441	Welding and Brazing Development Group Advanced Tool Engineering - Final Report - Project 1054	Peterson, C.	2/16/59	U
CNLM-1442	Capsule Schedule	Parks, A.	2/19/59	CRD
CNLM-1442 (Rev. 1)	Capsule Schedule	Parks, A.	4/6/59	CRD
CNLM-1442 (Rev. 2)	Capsule Schedule	Parks, A.	5/15/59	CRD
CNLM-1442 (Rev. 3)	Memorandum to G. Parks, 10/20 58, CNLM-1367, CNLM-1442, CNLM-1442, Rev. 1, CNLM-1442, Rev. 2	Parks, A.	6/11/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1442 (Rev. 4)	CNLM-1367, CNLM-1442, CNLM-1442, Rev. 1, CNLM-1442, Rev. 3, CNLM-1442, Rev. 2	Parks, A.	7/15/59	CRD
CNLM-1442 (Rev. 5)	CNLM-1367, CNLM-1442, CNLM-1442, Rev. 1, CNLM-1442, Rev. 2 CNLM-1442, Rev. 3, CNLM-1442, Rev. 4	Parks, A.	7/24/59	CRD
CNLM-1442 (Rev. 6)	CNLM-1367, CNLM-1442, CNLM-1442, Rev. 1, CNLM-1442, Rev. 2 CNLM-1442, Rev. 3, CNLM-1442, Rev. 4, CNLM-1442, Rev. 5	Parks, A.	8/24/59	CRD
CNLM-1442 (Rev. 7)	CNLM-1367, CNLM-1442, CNLM-1442, Rev. 1, CNLM-1442, Rev. 2 CNLM-1442, Rev. 3 CNLM-1442, Rev. 4, CNLM-1442, Rev. 5, CNLM-1442, Rev. 6 CNLM-1442, Rev. 7	Parks, A.	9/29/59	CRD
CNLM-1442 (Rev. 8)	CNLM-1367, CNLM-1442, and CNLM-1442, Rev. 1 thru Rev. 7	Parks, A.	10/23/59	CRD
CNLM-1442 (Rev. 9)	CNLM-1367, CNLM-1442, and CNLM-1442, Rev. 1 thru Rev. 8	Parks, A.	11/11/59	CRD
CNLM-1442 (Rev. 10)	CNLM-1367, CNLM-1442, and CNLM-1442, Rev. 1 thru Rev. 9	Parks, A.	12/2/59	CRD
CNLM-1442 (Rev. 11)	CNLM-1367, CNLM-1442 and CNLM-1442, Rev. 1 thru Rev. 10	Parks, A.	1/5/60	CRD
CNLM-1442 (Rev. 12)	CNLM-1367, CNLM-1442 and CNLM-1442, Rev. 1 thru Rev. 11	Parks, A.	3/21/60	CRD
CNLM-1442 (Rev. 13)	CNLM-1367, CNLM-1442, and CNLM-1442, Rev. 1 thru Rev. 12	Parks, A.	5/12/60	CRD
CNLM-1442 (Rev. 14)	CNLM-1367, CNLM-1442 Rev. 1 thru Rev. 13	Parks, A.	6/13/60	CRD
CNLM-1442 (Rev. 15)	CNLM-1367, CNLM-1442, Rev. 1 thru Rev. 14	Parks, A.	8/9/60	CRD
CNLM-1442 (Rev. 16)	CNLM-1367, CNLM-1442, Rev. 1 thru Rev. 15	Parks, A. Ackermann, W.	10/21/60	CRD
CNLM-1442 (Rev. 17)	CNLM-1367, CNLM-1442, Rev. 1 thru Rev. 17 In-pile Program Revised to Meet a New Schedule	Parks, A. Ackermann, W.	12/6/60	CRD
CNLM-1442 (Rev. 18)	CNLM-1367, CNLM-1442, Rev. 1 thru Revision 18	Parks, A. Ackermann, W.	2/20/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1442 (Rev. 19)	CNLM-1367, CNLM-1442, Rev. 1 thru Rev. 18	Parks, A.	7/19/61	CRD
CNLM-1442 (Rev. 20)	CNLM-1367, CNLM-1442, Rev. 1 thru Rev. 19 (Contract AT 30- 1-2789)	Parks, A.	9/22/61	CRD
CNLM-1442 (Rev. 21)	CNLM-1367, CNLM-1442, Rev. 1 thru Rev. 20, Contract AT 30-1-2789	Parks, A.	11/3/61	CRD
CNLM-1442 (Rev. 22)	In-pile Capsule Schedule Con- tract AT 30-1-2789	Parks, A.	11/17/61	CRD
CNLM-1442 (Rev. 23)	In-pile Capsule Schedule	Parks, A.	1/4/62	CRD
CNLM-1442 (Rev. 24)	In-pile Capsule Schedule Con- tract AT 30-1-2789	Parks, A. Ackermann, W.	4/2/62	CRD
CNLM-1443	Bimonthly Progress Report	Miller, A.	2/17/59	CRD
CNLM-1444	Analysis of Amounts Invoiced Contract AF 33-038-27341 December, 1958	n.a.	2/19/59	U
CNLM-1445	Analysis of Amounts Invoiced Contract AT 11-1-229 December, 1958	n.a.	2/19/59	U
CNLM-1446	Analysis of Amounts Invoiced Contract NO AS 58-662-C December, 1958	n.a.	2/19/59	U
CNLM-1447	Engineering and Development Contract AT 11-1-229 and AF 33-038-27341 Commitment Status December, 1958	n.a.	2/19/59	U
CNLM-1448	Summary of Cost December, 1958 Contract AF 33-038-27341, NO AS 58-662C and AT 11-1-229	n.a.	2/18/59	U
CNLM-1449	Operating Instructions for Flow Visualization Rig (4222R-18)	Bernstein, E.	2/19/59	U
CNLM-1450	Ten Hour Endurance Sea Level Ramjet	Horan, J.	2/19/59	CRD
CNLM-1451	Summary of New Installations and Facilities Work Required for the Mechanical Test Section	Lieberman, W.	2/18/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS</u>
CNLM-1452	LAC 171 Ramjet Report: Request of 2/4/59 to Verify Radiator Weights	Horan, J.	2/19/59	CRD
CNLM-1453	Braze Weight of Griscom-Russell 3/16 inch Finned Tubes	Horan, J.	2/19/59	U
CNLM-1454	Completed Work on 1600°F Lithium Loop in Heat Exchanger Laboratory	Muenchow, H.	2/19/59	CRD
CNLM-1455	Control Pin for PW-18-150 Series of In-pile Capsule	Parks, A.	2/19/59	U
CNLM-1456	Fluid Friction Factor of 20 Mil Wall 316 Stainless Steel Flattened Tubing (Stand-X-228)	Rice, A.	2/25/59	U
CNLM-1457	Comparison of Experimental and Predicted PW-FTPF-5 Water Pressure Loss (Stand X-228)	Rice, A.	2/25/59	U
CNLM-1458	Organic Coolants Irradiation Program	Centofanti, A.	2/20/59	CRD
CNLM-1459	Nuclear Ramjet Powerplant for a Low Supersonic Missile- March 10, 1959	Gaffin, W. Andrews, N.	3/18/59	CRD
CNLM-1460	"The Information Presented in the Following Tabulation is Intended to Serve as a Guide and to Be Used in Conjunction With Weekly Progress Reports Concerning...	Parks, A.	2/25/59	CRD
CNLM-1460 (Supp. 1-13)	Status of In-pile Fuel Element Capsule Program	Parks, A.	2/27/59 5/25/59	U
CNLM-1460 (Supp. 14-16)	Status of In-pile Fuel Element Capsule Program	Parks, A.	6/4/59 6/24/59	CRD
CNLM-1460 (Supp. 17-25)	Status of In-pile Fuel Element Capsule Program	Parks, A.	6/22/59 8/17/59	U
CNLM-1460 (Supp. 26)	Status of In-pile Fuel Element Capsule Program	Dypa, E.	9/4/59	CRD
CNLM-1460 (Supp. 27-31)	Status of In-pile Fuel Element Capsule Program	Parks, A.	8/31/59 9/30/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1460 (Supp. 32)	Status of In-pile Fuel Element Capsule Program	Parks, A.	10/7/59	CRD
CNLM-1460 (Supp. 33)	Status of In-pile Fuel Element Capsule Program	Dypa, E.	10/2/59	U
CNLM-1460 (Supp. 34)	Status of In-pile Fuel Element Capsule Program	Parks, A.	10/20/59	CRD
CNLM-1460 (Supp. 35-40)	Status of In-pile Fuel Element Capsule Program	Parks, A.	6/23/59 11/29/59	U
CNLM-1460 (Supp. 41)	Status of In-pile Fuel Element Capsule Program	Parks, A.	12/8/59	CRD
CNLM-1460 (Supp. 42-58)	Status of In-pile Fuel Element Capsule Program	Parks, A.	12/11/59 4/5/60	U
CNLM-1460 (Supp. 61)	Status of In-pile Fuel Element Capsule Program	Parks, A.	4/22/60	U
CNLM-1460 (Supp. 63-70)	Status of In-pile Fuel Element Capsule Program	Parks, A.	5/6/60 8/8/60	U
CNLM-1460 (Supp. 74-97)	Status of In-pile Fuel Element Capsule Program	Parks, A.	9/2/60 2/10/61	U
CNLM-1460 (Supp. 99-109)	Status of In-pile Fuel Element Capsule Program	Parks, A.	2/27/61 5/8/61	U
CNLM-1460 (Supp. 112-116)	Status of In-pile Fuel Element Capsule Program	Parks, A.	5/26/61 6/23/61	U
CNLM-1460 (Supp. 119-122)	Status of In-pile Fuel Element Capsule Program	Parks, A.	7/19/61 8/4/61	U
CNLM-1460 (Supp. 124-130)	Status of In-pile Fuel Element Capsule Program	Parks, A.	8/28/61 9/29/61	U
CNLM-1460 (Supp. 251)	Weekly Summary of In-pile Test Program	Vassallo, D.	5/14/64	CRD
CNLM-1460 (Supp. 252)	Weekly Summary of In-pile Test Program	Vassallo, D. Scotti, V.	5/28/64	CRD
CNLM-1460 (Supp. 253)	Weekly Summary of Irradiation Test Programs	Greer, J.	6/9/64	CRD
CNLM-1460 (Supp. 254)	Weekly Summary of Irradiation Test Programs	Greer, J.	6/9/64	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1460 (Supp. 255)	Weekly Summary of Irradiation Test Programs	Greer, J.	6/16/64	CRD
CNLM-1460 (Supp. 256)	Weekly Summary of Irradiation Test Programs	Strough, R.	6/23/64	CRD
CNLM-1460 (Supp. 257)	Weekly Summary of Irradiation Test Programs	Greer, J.	6/26/64	CRD
CNLM-1460 (Supp. 258)	Weekly Summary of Irradiation Test Programs	Greer, J.	7/7/64	CRD
CNLM-1460 (Supp. 259-280)	Weekly Summary of Irradiation Test Programs	Strough, R.	7/15/64 7/19/65	CRD
CNLM-1461	Re: Recently We Were Asked by Phillips to Review the Status of the AEC 320 Form	Parks, G.	2/20/59	CRD
CNLM-1462	Temperature and Pressure Buildup in Enclosure Due to Chemical Incident in a Reactor Experiment	Kapelner, S.	2/24/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1463	Cermet Fuel Progress Report	Craig, R.	2/20/59	CRD
CNLM-1464	Progress Report - January, 1959	Strough, R.	2/23/59	CRD
CNLM-1465	Proposed Fuel Element Shop at CANEL	MacFarlane, D.	3/16/59	CRD
CNLM-1466	Materials Laboratory Progress Report for January, 1959	Raring, L.	2/23/59	CRD
CNLM-1467	Thermodynamic Investigation of Cermet Fuel Materials	Kapelner, S.	2/25/59	CRD
1468 CNLM- 1468	Proposal for the Design, Fabri- cation and Operation of an Ex- perimental Lithium-Cooled Re- actor	Greenstreet, E.	3/11/59	CRD
CNLM-1469	In Accordance With a Request From Major Baker - Submitting an Outline of Our Active and Planned Irradiation Programs	Beardsley, G.	2/25/59	CRD
CNLM-1470	Reference: CNLM-1304	Schmickrath, B.	2/25/59	CDI
CNLM-1471	Test of a JT-3D Turbofan Engine Powered by a Liquid Metal System	n.a.	2/25/59	CDI
CNLM-1472	Estimated Completion Dates and Cost Schedules	n.a.	2/25/59	U
CNLM-1473	Operation Conditions of Col- umbium-Lithium, Na, and NaK Forced Convection Corrosion Loop Tests at CANEL to February 5, 1959	Callan, F.	2/27/59	CRD
CNLM-1473 (Rev. A)	Operating Conditions of Col- umbium-Lithium, Na and NaK Forced Convection Corrosion Loop Tests at CANEL to March 31, 1959	Callan, F.	4/21/59	CRD
CNLM-1473 (Rev. B)	Operating Conditions of Col- umbium-Lithium, Na and NaK Forced Convection Corrosion Loop Test at CANEL to May 31, 1959	Callan, F.	6/5/59	CRD
CNLM-1473 (Rev. C)	Operating Conditions of Col- umbium-Lithium, Na, and NaK Forced Convection Corrosion Loop Tests at CANEL to Septem- ber 10, 1959	Callan, F.	9/17/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1473 (Rev. D)	Operating Conditions of Forced Convection Corrosion Loop Tests With Lithium, Na and NaK Conducted at CANEL to March 31, 1960	Callan, F.	3/31/60	CRD
CNLM-1473 (Rev. E)	Operating Conditions of Forced Convection Corrosion Loop Tests With Lithium, Na and NaK Conducted at CANEL to December 7, 1960	Callan, F.	12/9/60	CRD
CNLM-1474	Compatibility of Alloy A-286-Type 316 Weldments in Lithium	Blecherman, S.	2/26/59	CRD
CNLM-1475	In Order to Keep Our Local Classification Guide up-to Date There are Some Additional Guidelines That We Should Like to Have Approved	Beardsley, G.	2/26/59	CRD
CNLM-1476	Transmittal of TIM-571, Supp. 3	Parks, G.	2/27/59	CRD
CNLM-1477	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	2/27/59	CRD
CNLM-1478	Progress Report for Month of February, 1959	Centofanti, A.	3/2/59	CRD
CNLM-1479	Monthly Progress Report for February, 1959, Metallurgical Joining Development	Spinelli, F.	3/2/59	CRD
CNLM-1480	Pressure Drop Simulator	Bernstein, E.	3/2/59	U
CNLM-1482	Performance Group Progress Report for February, 1959	Lingenfelter, C.	3/3/59	CRD
CNLM-1483	CANEL Report on Supercritical Water Reactors and Propulsion Systems	Strough, R.	3/4/59	U
CNLM-1484	Reactor Controls and Systems Analysis Progress Report for the Week Ending February 26, 1959	Elsaesser, F.	3/4/59	CRD
CNLM-1485	We Have Completed a Review of LAC Report LAC-171	Mallet, L.	3/4/59	CRD
CNLM-1486	I am Enclosing With This Letter Two Copies of FXM-3939	Parks, G.	3/4/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1487	Summary of Trip to Reactor Testing Station, Idaho Falls and the Hot Laboratory at Livermore, California	Hahn, H.	3/9/59	U
CNLM-1488	The Effect of Contamination in the Strength of Vacuum Arc Melted Columbium-Zirconium Alloys (XM-381, Heat PFEQ)	Stewart, J.	3/4/59	CDI
CNLM-1489	Radiator Group Monthly Progress Report for February, 1959	Daddario, A.	3/6/59	CRD
CNLM-1490	In Accordance With Our Discussions on March 9, 1959, We are Forwarding Herewith	Schmickrath, B.	3/6/59	SRD
CNLM-1491	Requested Radiator Data for the B-70 Bomber	Ackerman, N.	3/10/59	CRD
CNLM-1492	Servey of Mechanical Liquid Metal Pumps for the 3/4 Mw Loop	McMath, R.	3/9/59	CRD
CNLM-1493	I am Enclosing With This Letter One Copy of CNLM-1218, Supp. 1, Revision A	Parks, G.	3/10/59	CRD
CNLM-1494	I am Enclosing With This Letter One Copy of TIM -594	Parks, G.	3/10/59	CRD
CNLM-1495	Production Feasibility Study Columbium Zirconium Alloy	Raring, L.	3/10/59	CRD
CNLM-1496	Evaluation of Elements as Alloying Candidates Based on Nuclear Considerations in PWAR-11C	Bigelow, C.	3/19/59	CRD
CNLM-1497	Metallurgical Engineering Progress Report for February, 1959	Treciokas, V.	3/11/59	CRD
CNLM-1498	Tool and Methods Development Group Tool Engineering Index of Projects	n.a.	3/11/59	U
CNLM-1499	Welding Development Group Tool Engineering	n.a.	3/11/59	U
CNLM-1500	NMRD Progress Report for February, 1959	Darrah, J.	3/13/59	CRD
CNLM-1501	Cermet Fuel Progress Report	Craig, R.	3/13/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1502	Bimonthly Progress Report	Miller, A.	3/13/59	CRD
CNLM-1503	P&WA Transfer Requirements of Certain Government Furnished Materials for Use in the FY 1961 Budget Submission	Holtsinger, C.	3/13/59	U
CNLM-1504	Manpower, Materials and Equipment for 10 MW Lithium Cooled Reactor Experiment	Holtsinger, C.	3/13/59	SRD
CNLM-1505	Quarterly Progress Report - NMRD	Darrah, J.	3/16/59	CRD
CNLM-1506	Summary of Cost - January, 1959 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1-229	Reilly, J.	3/16/59	U
CNLM-1507	Analysis of Amounts Invoiced Contract AT 11-1-229 January, 1959	Reilly, J.	3/16/59	U
CNLM-1508	Analysis of Amounts Invoiced Contract AF 33-038-27341, January, 1959	Reilly, J.	3/16/59	U
CNLM-1509	Analysis of Amounts Invoiced Contract NO AS 58-662C	Reilly, J.	3/16/59	U
CNLM-1510	Engineering and Development Contracts AT 11-1-229 and AF 33-038-27341 Commitment Status January, 1959	Reilly, J.	3/16/59	U
CNLM-1511	Testing the Compatibility of a Lithiated Hydrocarbon With Lithium Hydride	Woodsum, H.	3/16/59	CRD
CNLM-1512	Transmittal of CNLM-1468	Schmickrath, B.	3/16/59	CRD
CNLM-1513	Minutes of the CANEL Welding and Brazing Committee Meeting of March 4, 1959	Beebe, D.	3/19/59	U
CNLM-1514	Confirmation for Disposal of Approximately 3500 Pounds of Fabricated Beryllium Shapes	Bransfield, J.	3/17/59	U
CNLM-1515	Coating of Cooler Coils	Hirakis, E.	3/17/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1516	Ref: CNLM-1512 "During Our Meeting on March 9, 1959, It Was Agreed That P&WA Would Establish...	Schmickrath, B.	3/17/59	SRD
CNLM-1516 (Rev. 1)	Comparative Cost Summary	n.a.	3/17/59	U
CNLM-1516 (Rev. 2)	Enclosure F to CNLM-1516 Summary of Schedules and Costs	n.a.	3/17/59	U
CNLM-1516 (Rev. 3)	Letter Only of CNLM-1516 "During Our Meeting on March 9, 1959"	Schmickrath, B.	3/18/59	CRD
CNLM-1516 (Rev. 4)	Enclosure D to CNLM-1516 Schedule for 80 MW Lithium-Cooled Reactor Powerplant Test	n.a.	3/18/59	U
CNLM-1516 (Rev. 5)	Enclosures to CNLM-1516 Estimated Costs and Man-power Requirements 80 MW Powerplant Test	n.a.	3/18/59	U
CNLM-1516 (Rev. 6)	Enclosure G to CNLM-1516 Estimated Cost of Additional Facilities Required	n.a.	3/18/59	CRD
CNLM-1517	Enclosure A to CNLM-1516 Description of 80 MW Lithium Cooled Reactor Powerplant Test	n.a.	3/17/59	CRD
CNLM-1518	Items A-D Inclusive - Complete Powerplant System	n.a.	3/17/59	U
CNLM-1519	Tool and Methods Development Group Advanced Tool Engineering Final Report 1720 Cold Worked Columbium Sheet Bending and Forming Characteristics	Banowich, B.	3/18/59	U
CNLM-1520	Welding and Brazing Development Group Advanced Tool Engineering Final Report Project 1041 LM Mass Transfer Loop Fabrication	Bessette, R.	3/18/59	U
CNLM-1521	Welding and Brazing Development Group Advanced Tool Engineering Final Report Project 1328 Back Braze Tubes (1010059) to Headers (T-1010053) HE-12 (A) Heat Exchanger	Rogers, S.	3/18/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1522	Quarterly Progress Report January 1 to March 31, 1959	Spinelli, F.	3/18/59	CRD
CNLM-1523	Test Program for Torsional Strain Cycling With Steady Tensile Load	Triner, N.	3/19/59	CRD
CNLM-1524	"Since Our Last Discussion With You We Have Prepared and Submitted to the AEC a Proposal"	Holtsinger, C.	3/19/59	U
CNLM-1525	"In Accordance With Your Letter of February 26"	Beardsley, G.	3/19/59	U
CNLM-1526	Request for Structural Test of 316 Stainless Steel Weld Joints	Robison, D.	3/20/59	U
CNLM-1527	Work Request, "Design of NaK Cb-Type 316 Corrosion Loop"	Wesbecher, J.	3/20/59	CDI
CNLM-1528	Controls Group Progress Report for the Month of February, 1959	Palmer, R.	3/23/59	CRD
CNLM-1529	Prepared Statement for House Committee for Science and Astronautics	Strough, R.	3/23/59	CRD
CNLM-1530	Materials Laboratory Progress Report for February, 1959	Raring, L.	3/23/59	CRD
CNLM-1531	Prepared Statement to Committee on Science and Astronautics, March 20, 1959	Strough, R.	4/3/59	CRD
CNLM-1532	Forced Convection Lithium Corrosion Program Status, 3/20/59	Wesbecher, J.	3/26/59	CRD
CNLM-1533	Progress Report February, 1959	Strough, R.	3/24/59	CRD
CNLM-1534	Substantiation of Riehle Creep Recorders and Extensometers	Lieberman, W.	3/24/59	U
CNLM-1535	Radioisotope Heat Source for Space Propulsion	Chapman, R.	3/25/59	CRD
CNLM-1536	Work Request	Wesbecher, J.	3/25/59	CRD
CNLM-1537	Revision of Columbium-Zirconium Alloy Specification CMS-1820	Treciokas, V.	3/31/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1538	Pre-irradiation Data and Operating Summary	n.a.	3/31/59	U
CNLM-1538 (Rev. 1)	Pre-irradiation Data and Operating Summary PW-19-1	Miller, J.	8/21/59	CRD
CNLM-1538 (Rev. 2)	Pre-irradiation Data and Operating Summary PW-19-2	Miller, J.	8/21/59	U
CNLM-1539	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	3/31/59	CRD
CNLM-1540	Presentation to the AEC and the Department of Defense March 31, 1959	n.a.	4/20/59	CRD
CNLM-1541	Letter Transmitting CNLM-1459 to Chance Vought	Beardsley, G.	3/30/59	CRD
CNLM-1542	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1543	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1544	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1545	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1546	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1547	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1548	Letter Transmitting CNLM-1459	Beardsley, G.	3/30/59	CRD
CNLM-1549	Cermet Fuel Progress Report	Craig, R.	4/2/59	CRD
CNLM-1550	Minutes of the CANEL Welding and Brazing Committee Meeting of April 1, 1959	Beebe, D.	4/3/59	U
CNLM-1551	Performance Group Progress Report for March, 1959	Lingenfelter, C.	4/3/59	CRD
CNLM-1552	Substantiation of Riehle Creep Recorders and Extensometers	Lieberman, W.	4/3/59	U
CNLM-1553	Upgrading of NSPM-3	Beardsley, G.	4/3/59	U
CNLM-1554	Upgrading of NSPM-3	Beardsley, G.	4/3/59	U
CNLM-1555	PWAR-11C Weight Calculations	Manning, R.	4/6/59	CRD
CNLM-1556	Radiator Group Monthly Progress Report for March, 1959	Daddario, A.	4/3/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1557	During Discussions Which Followed Our Submission	Schmickrath, B.	4/3/59	CRD
CNLM-1558	Fabrication History of Sylvania Pin R-19	Parks, A.	4/6/59	CRD
CNLM-1559	Summary of Cost, February, 1959 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1-229	Reilly, J.	4/7/59	U
CNLM-1560	Analysis of Amounts Invoiced Contract AT 11-1-229 February, 1959	Reilly, J.	4/7/59	U
CNLM-1561	Analysis of Amounts Invoiced Contract NO AS 58-662C February, 1959	Reilly, J.	4/7/59	U
CNLM-1562	Analysis of Amounts Invoiced Contract AF 33-038-27341 February, 1959	Reilly, J.	4/7/59	U
CNLM-1563	Engineering and Development Contract AT 11-1-229 Commit- ment Status, February, 1959	Reilly, J.	4/7/59	U
CNLM-1564	Transmittal of PWAC-264 "As You Know the Basic Research and Development Program on Advanced Materials	Holtsinger, C.	4/7/59	CRD
CNLM-1565	Forecast of Nuclear Materials Requirements - Fourth Quarter Revision Only - Fiscal Year 1959	Holtsinger, C. Woodward, C.	4/7/59	U
CNLM-1566	Forecast of Nuclear Materials Requirements - First Revision- Fiscal Year - 1960	Holtsinger, C. Woodward, C.	4/7/59	U
CNLM-1567	Forecast of Nuclear Materials Requirements - First Revision Fiscal Year, 1960	Holtsinger, C. Woodward, C.	4/7/59	U
CNLM-1568	Forecast of Nuclear Materials Requirements - First Revision- Fiscal Year - 1960	Holtsinger, C.	4/7/59	U
CNLM-1568 (Rev. 1)	Forecast of Nuclear Materials Requirements - First Revision Fiscal Year - 1960	Holtsinger, C.	4/7/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1569	Forecast of Nuclear Materials Requirements - Fourth Quarter Revision Only - Fiscal Year 1959	Holtsinger, C. Woodward, C.	4/7/59	U
CNLM-1570	Semi-monthly Progress Report	Miller, A.	4/7/59	U
CNLM-1571	Inspection of Columbium -20% Titanium Alloy Specimens for Post Irradiation Tensile Testing (XM-440)	Lieberman, W.	4/7/59	U
CNLM-1572	Inspection of Molybdenum Plus 0.45% Titanium Alloy Specimens for Post Irradiation Tensile Testing	Lieberman, W.	4/7/59	U
CNLM-1573	Inspection of Columbium Plus 0.80% Zirconium Alloy Specimens for Post Irradiation Tensile Testing (CMS-1825-Heat Code PFTS)	Lieberman, W.	4/7/59	U
CNLM-1574	Complete List of Active EOS as of 4/7/59	Smith, S.	4/9/59	U
CNLM-1575	Progress Report for March, 1959 Metallurgical Joining Development	Spinelli, F.	4/8/59	CRD
CNLM-1576	Inspection of Columbium Plus 0.80% Zirconium Alloy Specimens for Post Irradiation Tensile Testing (CMS-1825-Heat Code PFTT)	Lieberman, W.	4/8/59	U
CNLM-1577	Design Requirements for PWAR-IIC Control Drum Drive	Bourret, C.	4/10/59	CRD
CNLM-1578	... Fuel Specimens	Fultonberg, D.	4/10/59	CRD
CNLM-1579	A Breakdown of This Total CNLM-1512, CNLM-1516, CNLM-1468 Estimated Cost by Major Program and Further Definition of the Problems and Proposed Methods of Solution	Holtsinger, C.	4/10/59	CRD
CNLM-1580	Data Request of Convair, San Diego	Lingenfelter, C.	4/13/59	CRD
CNLM-1581	Metallurgical Engineering Progress Report for March, 1959	Treciokas, V.	4/14/59	CRD
CNLM-1582	Predicted Life of TP-1 Turbopump, Pump Collector and Turbine Collector	Nassau, J.	4/14/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1583	Proposal for New Powerplant Investigations	Larson, J.	4/14/59	U
CNLM-1584	In re Application of Hilbert V. Schenck No. 657, 667 Filed May 7, 1957 for Thermal Scheme	n.a.	4/14/59	U
CNLM-1585	Affidavit in re Application of Hilbert V. Schenck, Jr. Serial No. 657, 667 Filed May 7, 1957 for Thermal Scheme	n.a.	4/14/59	U
CNLM-1586	NMRD Progress Report for March 1959	Darrah, J.	4/14/59	CRD
CNLM-1587	In-pile Capsule Design (Fuel Element Clad Temperature)...	Parks, A.	4/16/59	CRD
CNLM-1588	Summary of Meeting on April 14, 1959 Concerning Inert Box Atmospheres	Hobart, R.	4/17/59	U
CNLM-1589	Large Hydrodynamic Rig (4222R-5)	Bernstein, E.	4/20/59	U
CNLM-1590	Inspection of Columbiu Plus 0.80% Zirconium Alloy Specimens for Post Irradiation Tensile Testing (XM-466-Heat Code PFPL)	Lieberman, W.	4/17/59	U
CNLM-1591	Transfer of TIM-480; TIM-478; TIM-554; Supplement 1; TIM-552 CNLM-1421	Parks, G.	4/17/59	CRD
CNLM-1592	Presentation to the General Advisory Committee of the Atomic Energy Commission	Strough, R.	5/12/59	CRD
CNLM-1593	Means and Method of Assembly of a Nuclear Aircraft Engine	Newcomb, P.	4/21/59	SRD
CNLM-1594	Materials Laboratory Progress Report for March, 1959	Raring, L.	4/21/59	CRD
CNLM-1595	Bimonthly Progress Report	Miller, A.	4/21/59	U
CNLM-1596	Cermet Progress Report	Craig, R.	4/21/59	CRD
CNLM-1597	Hazards Reports Required for Reactor Test Facility Approval	Dytko, E.	4/22/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1598	Elevated Temperature Tensile Properties of Columbium-Titanium Alloys (XM-183, 184, 185, and 186)	Lieberman, W.	5/6/59	CRD
CNLM-1599	In-pile Loop Meeting	Parks, A.	4/22/59	CRD
CNLM-1600	CANEL SS Material Accountability Guide May 1, 1959 Obsolete	n.a.	5/19/59	U
CNLM-1600 (Rev. 1)	CANEL SS Material Accountability Guide, Dated January 4, 1960	n.a.	3/21/59	U
CNLM-1600 (Rev. 2)	CANEL SS Material Accountability Guide Dated February, 1962	n.a.	3/7/59	U
CNLM-1601	Design of 19 Pin Element for In-pile Testing	Fultonberg, D.	4/20/59	CRD
CNLM-1602	Several Systems Have Been Proposed for the Enclosure MJS-3	Schmickrath, B.	4/20/59	CDI
CNLM-1603	Request for a Test Program to Determine the Profile Straightening Effects of Radiator Tubes	Turner, G.	4/21/59	U
CNLM-1604	Induction Brazing of Clad Mass Transfer Loop Assemblies	Scanlon, J.	5/27/59	CRD
CNLM-1605	Material Availability and Fabrication Feasibility for the PWAR-11C Reactor	Dytko, E.	4/29/59	CRD
CNLM-1606	Estimated Cost and Schedule for EOS 283 Entitled: "Static Capsule Tests of Fuel Element Specimens in PWAR-11C Coolant at Elevated Temperatures	Parks, G.	4/22/59	U
CNLM-1607	Program Planning	Darrah, J.	4/23/59	CRD
CNLM-1608	Irradiation Group Organization Changes	Parks, G.	4/24/59	CRD
CNLM-1609	Project Proposal and Authorization AEC-189 Form	Strough, R.	5/1/59	CRD
CNLM-1610	Transfer of TIM-581	Parks, G.	4/24/59	CRD
CNLM-1611	Transmittal of TIM-552, Supplement 1, and TIM-479, Supplement 1	Parks, G.	4/22/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1612	Progress Report - March, 1959	Strough, R.	4/24/59	CRD
CNLM-1613	Budget Estimate - FY 1961	St. Arnauld, M.	4/24/59	CRD
CNLM-1614	"Thank You for the Charts and Data Forwarded With Your Letter of April 10, 1959"	Holtsinger, C.	4/24/59	U
CNLM-1615	Review of Convair Report ZP-259 "Nuclear Turboprop Seaplane Study"	Andrews, N.	4/28/59	CRD
CNLM-1616	Estimated Cost of Capital Facilities Broken Down Into Construction and Movable Equipment Categories	Holtsinger, C.	4/27/59	CRD
CNLM-1618	"This is in Reply to Your Letter of April 22, 1959 Requesting"	Holtsinger, C.	4/27/59	CRD
CNLM-1619	Method of Forecasting Level of, and Time of Arrival of, Connecticut River Flood Crests at the CANEL River Pier	O'Connell, H.	5/5/59	U
CNLM-1620	Fabrication of PWAR-11C Harmonic Drive Dissimilar Metal Joint	Scanlon, J.	5/27/59	CRD
CNLM-1621	Presentation to the Research and Engineering Advisory Panel on Atomic Energy	n.a.	5/12/59	CRD
CNLM-1622	"Significant Advances in the Corrosion Evaluation"	Kelly, K.	4/28/59	U
CNLM-1623	Corrosion Evaluation of Columbium Alloys in Liquid Metals at High Temperatures	Kelly, K.	4/28/59	CRD
CNLM-1624	Assembly Analysis of Rotary to Rotary Control Mechanism United Shoe Machinery Corporation Version	Jahn, R.	4/29/59	U
CNLM-1625	Reactor System Components Columbium Surface Area and Protective Atmosphere Volume	Manning, R.	5/4/59	CRD
CNLM-1626	Fabrication and Inspection Report for Ceramic Type Fuel Element	n.a.	4/29/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1627	Welding Development Group Tool Engineering April 22, 1959	n.a.	4/29/59	U
CNLM-1628	Status Meeting, April 27, 1959 for the Lithium-Columbium In-pile Loop Design Study	Dreisbach, R.	4/30/59	CRD
CNLM-1629	Performance Group Progress Re- port for April, 1959	Lingenfelter, C.	4/30/59	CRD
CNLM-1630	"During Your Visit to CANEL You Requested That We Furnish Publication Dates for the Hazards Summary Reports"	Holtsinger, C.	4/30/59	U
CNLM-1631	Pin Layout Diagrams... .. Specimen Assemblies	Nelson, C.	5/6/59	CRD
CNLM-1632	Request for Thermal Stress Analysis the 1 MW Radiator Performance Test Loop	Denny, J.	5/1/59	CDI
CNLM-1633	"Sylvania-Corning Nuclear Corporation Has Received Disposition Instructions for Residual Materials Remaining"	Beardsley, G.	5/1/59	CRD
CNLM-1634	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	5/1/59	CRD
CNLM-1635	Advanced Nuclear Turbojet- Afterburning Data	Larson, J.	5/4/59	CRD
CNLM-1636	Additions to Capsule Irradiation Program	Fultonberg, D.	5/6/59	CRD
CNLM-1637	Powerplant Data for Subsonic Applications Studies	Gray, W.	5/4/59	CRD
CNLM-1638	Analysis of Amounts Invoiced Contract AT 11-1-229 March, 1959	Reilly, J.	5/4/59	U
CNLM-1639	Analysis of Amounts Invoiced Contract AT 33-038-2734l March 1959	Reilly, J.	5/4/59	U
CNLM-1640	Analysis of Amounts Invoiced Contract NOAS 58-662-C March, 1959	Reilly, J.	5/4/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1641	Summary of Cost March, 1959 Contracts AF 33-038-27341, NO AS 58-662-C and AT 11-1-229	Reilly, J.	5/4/59	U
CNLM-1642	Engineering and Development Contract AT 11-1-229 Commitment Status March, 1959	Reilly, J.	5/4/59	U
CNLM-1643	Engineering Proposal for Sup- port of Research and Develop- ment Work on Materials and Propulsion Equipment Components of Aircraft Nuclear Propulsion Systems	Schmickrath, B.	5/7/59	CRD
CNLM-1643-1	"In Accordance With an Agree- ment Between Representatives of the Aircraft Nuclear Propul- sion Office and P&WA	Schmickrath, B.	5/7/59	SRD
CNLM-1644	Pratt and Whitney Aircraft Nuclear JT-11 Turbojet Engine Performance With Ad- vanced Nuclear System	Larson, J.	5/4/59	CRD
CNLM-1645	Fabrication and Inspection for Ceramic Type Fuel	n.a.	5/6/59	CRD
CNLM-1646	Fabrication and Inspection Report for Ceramic Type Fuel Element	n.a.	5/6/59	CRD
CNLM-1647	Fabrication and Inspection Report for Ceramic Type Fuel Element	n.a.	5/6/59	CRD
CNLM-1648	Transmittal of CNLM-1637	Holtsinger, C.	5/4/59	CRD
CNLM-1649	Transmittal of Following Enclosures: Drawing LK-100558 Sheet 1; Drawing LK-100558 Sheet 2; CNLM-1635; and CNLM-1644	Holtsinger, C.	5/4/59	CRD
CNLM-1650	Ref: (a) Conference 4/20/59 (b) Letter 4/9/59 - A. Brown	Holtsinger, C.	5/4/59	CRD
CNLM-1651	Radiator Group Monthly Progress Report for April, 1959	Daddario, A.	5/5/59	U
CNLM-1652	In-pile Capsule Sodium Samples	Parks, A.	6/11/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1652 (Rev. 1)	In-pile Capsule Sodium Samples	Parks, A.	9/8/59	U
CNLM-1653	Transmittal of TIM-476: 483, Supp. 1; TIM-449, Supp. 1; TIM-558, Supp. 2; TIM-595	Parks, G.	5/6/59	CRD
CNLM-1654	Initial Calorizing (Pack Coating) Experiments	Hirakis, E.	5/6/59	CRD
CNLM-1655	...Ceramic Fuel Elements... ...for In-pile Testing	Fultonberg, D.	5/8/59	CRD
CNLM-1655 (Supp. 1)	...Ceramic Fuel Element... ...for In-pile Testing	Fultonberg, D.	5/21/59	CRD
CNLM-1656	In View of the Latest Projected ETR	Parks, A.	5/8/59	CRD
CNLM-1657	As We Agreed During the Visit of General R. Wassel	Holtsinger, C.	5/8/59	CRD
CNLM-1658	Irradiation of Control Materials	Fultonberg, D.	5/11/59	U
CNLM-1659	Review of Martin Report ER- 10570 "Study of Seaplane Systems Employing Nuclear Power"	Andrews, N.	5/11/59	CRD
CNLM-1660	Fabrication and Inspection Report for Ceramic Type Fuel Element	n.a.	5/12/59	CRD
CNLM-1661	Transmittal of CNLM-1000-6 and 1000-7	Parks, G.	5/11/59	U
CNLM-1662	Transmittal of Ten Copies of CNLM-1000-6 and CNLM-1000-7	Beardsley, G.	5/11/59	CRD
CNLM-1663	Design and Fabrication of a Moving Air Oxidation Test Rig	Flynn, J.	5/12/59	U
CNLM-1664	Instrumentation Requirements for a Moving Air Oxidation Test Rig	Flynn, J.	5/12/59	U
CNLM-1665	Confirming the Figures Given to Mr. Rex Miller Over the Telephone, We are Tabulating Below the Material Weight Breakdown	Beardsley, G.	5/11/59	CRD
CNLM-1666	Request for a Design Study of a 9X Flow Model of a PWAR- 11C Fuel Element	Bernstein, E.	5/15/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1667	Requests Were Made to J.W. Larson During His Visit With You on May 6	Holtsinger, C.	5/11/59	CDI
CNLM-1668	Trip to National Research Equipment Corporation to Discuss 3000F Vacuum Creep Retort With Extensometer	Lieberman, W.	5/12/59	U
CNLM-1669	NMRD Progress Report for April, 1959	Darrah, J.	5/12/59	CRD
CNLM-1670	Cermet Fuel Progress Report	Craig, R.	5/12/59	CRD
CNLM-1671	Bimonthly Progress Report	Miller, A.	5/12/59	CRD
CNLM-1672	Revised Irradiation Time of Capsule PW-18-234	Fultongerg, D.	5/14/59	U
CNLM-1673	E.O.S. Standard Distribution List All Project Engineering and Engineering Supervision	Smith, S.	5/15/59	U
CNLM-1674	Assignment of Fuel Element Test Assemblies for In-pile Loops PW 19-1 and PW 19-2	Milich, J.	5/13/59	CRD
CNLM-1675	Metallurgical Engineering Progress Report for April, 1959	Treciokas, V.	5/13/59	CRD
CNLM-1676	Forecast of Test Rig Requirements for 10 Mw Reactor Program	Parks, G.	5/13/59	CRD
CNLM-1677	Weld Suitability Structural Tests	Doak, R. Kuhns, R.	5/14/59	CRD
CNLM-1678	Tube Creep-Rupture Test Program	Doak, R.	5/14/59	U
CNLM-1679	Relative to Modification of Classification Directions for Specific Test Use of Yttrium	Beardsley, G.	5/15/59	U
CNLM-1680	This Refers to Classification Bulletin, No. 1 of March 13, 1959	Beardsley, G.	5/15/59	U
CNLM-1681	Progress Report April, 1959	Strough, R.	5/18/59	CRD
CNLM-1682	We Have Become Aware of a Change Classification for Lithium 7	Beardsley, G.	5/19/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1683	"I am Enclosing With This Letter Copies of Inpile Capsule Reports"	Parks, A.	5/19/59	CRD
CNLM-1684	Materials Laboratory Progress Report for April, 1959	Raring, L.	5/19/59	CRD
CNLM-1685	Information Concerning Shield Calculations in PWAC-274 and PWAC-275	Kennedy, W.	5/19/59	CRD
CNLM-1686	Your Letter Dated April 23, Requested Information on the Facilities Which Would be	Holtsinger, C.	5/19/59	CDI
CNLM-1687	Fabrication of Honeycomb Assembly Reactor Core Plates	Scanlon, J.	5/19/59	U
CNLM-1688	Design Notebook Circulating Fuel Reflector Moderated 190 Mw Reactor	Greenstreet, E.	5/20/59	U
CNLM-1689	Design Notebook Fireball Reactor to October, 1959	Greenstreet, E.	5/20/59	U
CNLM-1690	Final Report-Project 1505 Hydrospin H.E. Tube Headers (T-1011864)	Goodin, L.	5/20/59	U
CNLM-1691	Correlation of Weld Bend Ductility and Presence of Secondary Phase in Lithium Exposed Columbium Alloy Welds	Blecherman, S.	5/25/59	CRD
CNLM-1692	Airbleed Temperatures and Pressures for PWAC-274 and PWAC-275	Larson, J.	5/25/59	CDI
CNLM-1693	Effect of Fin Conductivity on Aircraft Flight Performance	Horan, J.	5/25/59	CDI
CNLM-1694	An Estimate Has Been Made of the Piping Size and Weight	Beardsley, G.	5/25/59	U
CNLM-1695	In-pile Capsule Cu and Zn Contamination	Parks, A.	5/25/59	CRD
CNLM-1696	Visit to Convair - Fort Worth on May 12, 1959	Beardsley, G. Klingensmith, K.	5/25/59	CRD
CNLM-1697	Visit to Lockheed Aircraft Corp. Georgia Division on May 11, 1959	Beardsley, G. Klingensmith, K.	5/25/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1698	Additional Data on PWAC-274 and PWAC-275 Power-plants	Beardsley, G.	5/25/59	CDI
CNLM-1699	Final Report - Project 101 Welding of PW 101 Radiator Ref. TL-29768	Rogers, S.	5/26/59	U
CNLM-1700	The Meeting of the CANEL Welding and Brazing Committee for May, 1959	Beebe, D.	5/28/59	U
CNLM-1701	Powerplant Information Requested by North American Aviation	Lingenfelter, C.	5/26/59	U
CNLM-1702	Resistance Welding of 30 Mil Arc Cast Columbium-.75% Zirconium to 30 Mil Arc Cast Columbium-.75% Zirconium	Scanlon, J.	5/27/59	CRD
CNLM-1703	Conceptual Design Study Layouts for a Lithium-Columbium Forced Convection In-pile Loop	Dreisbach, R.	5/27/59	CRD
CNLM-1704	B-70 Liquid Metal System-Pipe Sizes and Estimated Pipe Weights	Lennon, J.	6/2/59	CRD
CNLM-1705	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	5/28/59	CRD
CNLM-1706	Analysis of Amounts Invoiced Contract 11-1-229	n.a.	6/1/59	U
CNLM-1707	Analysis of Amounts Invoiced AF 33-038-27341 Contract Accounting April, 1959	n.a.	6/1/59	U
CNLM-1708	Analysis of Amounts Invoiced Contract NO AS 58-662C	n.a.	6/1/59	U
CNLM-1709	Summary of Cost April, 1959 Contracts AF 33-038-27341 NO AS 58-662C and AT 11-1-229	n.a.	6/1/59	U
CNLM-1710	Engineering and Development Contract AT 11-1-229	n.a.	6/1/59	U
CNLM-1711	Performance Group Progress Report for May, 1959	Lingenfelter, C.	6/1/59	CRD
CNLM-1712	Conference on Fabrication of PWAR-11C Reactor Core, Wednesday May 27, 1959	Larrabee, J.	6/10/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1713	Work Request (Haynes 25 Alloy Radiator Test Cores)	Wesbecher, J.	6/1/59	CDI
CNLM-1714	Estimated Cost and Schedule for EOS Entitled "Quarter Section Pilot Radiator GR-101"	Wesbecher, J.	6/1/59	CDI
CNLM-1715	Flux Depression Studies	Parks, A.	6/1/59	CRD
CNLM-1716	Request for Analog Solution of a Heat Transfer Problem	Triner, N.	6/2/59	CRD
CNLM-1717	Radiator Performance Analysis for Applications Studies	Gray, W.	6/5/59	CRD
CNLM-1718	Transmittal Letter for CNLM-1719	Beardsley, G.	6/3/59	CDI
CNLM-1719	Proposed Program for the Study of the Operation, Maintenance, and Hazards Involved in the use of Nuclear Powered Aircraft	Beardsley, G.	6/3/59	CRD
CNLM-1720	The Information Requested by G. Leach	Beardsley, G.	6/4/59	CDI
CNLM-1721	Final Report - Project 1060 Weld Shrinkage Study of Heat Exchanger Assembly (Supplement to Project 1046)	Scanlon, J.	6/4/59	U
CNLM-1722	Final Report - Project 1333 Evaluation of Microbraz Vapo-flux	Rogers, S.	8/27/59	CRD
CNLM-1723	Powerplant Data for Studies Under Douglas-USN Contract NO AS 59-6033-C	Beardsley, G.	6/5/59	CRD
CNLM-1724	Survey: Oxidation Characteristics of Columbium and Columbium Base Alloys	Clough, W.	6/9/59	U
CNLM-1726	The Meeting of the CANEL Welding and Brazing Committee	Beebe, D.	6/9/59	U
CNLM-1727	Surface Protection of Cb Alloys During Forging at Wyman-Gordon Company	McGrath, D.	6/5/59	CRD
CNLM-1728	Interim Patent Clearance Report	Tasker, M.	6/9/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1729	Final Report: Project 1325 Braze Alloys v.s. Atmospheres	Rogers, S.	6/9/59	U
CNLM-1730	Final Report Project 1321 Braze Ring Mold for Sintering and Casting	Rogers, S.	6/9/59	U
CNLM-1731	Proposed Ground Handling Procedures for an Operational Aircraft	Woods, T.	6/9/59	CRD
CNLM-1732	Increase Dose to Crew Due to Fuel Element Clad Failure	Alessandro, L. Woods, T.	6/10/59	CRD
CNLM-1732 (Supp. 1)	Increase Dosage to Crew Due to Fuel Element Failure	Alessandro, L.	6/16/59	CRD
CNLM-1733	Lithium-to-Air Radiator Development Program	Denny, J.	6/11/59	CRD
CNLM-1734	Bibliography of Experiment PW-19 Reports	Dreisbach, R.	6/15/59	CRD
CNLM-1734 (Supp. 1)	Bibliography of Experiment PW-19 Reports Ref: CNLM-1734 Bibliography of Experiment PW- 19 Reports	Fine, A.	10/12/59	CRD
CNLM-1734 (Supp. 2)	Bibliography of Experiment PW-19 Reports	Fine, A.	11/3/60	CRD
CNLM-1735	In-pile Capsule Design (370 Series)	Parks, A.	6/11/59	CRD
CNLM-1736	Progress Report May, 1959	Strough, R.	6/11/59	CRD
CNLM-1737	Work Request	Austin, G.	6/11/59	CRD
CNLM-1738	Presentation to the Department of Defense, the Navy, the Air Force and the Atomic Energy Commission June 10, 1959	n.a.	6/29/59	SRD
CNLM-1739	NMRD Progress Report for May, 1959	Darrah, J.	6/12/59	CRD
CNLM-1740	Lower Pressure Vessel Test Specimen Design	Triner, N.	6/12/59	CRD
CNLM-1741	Upper Pressure Vessel Test Specimen Design	Triner, N.	6/12/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1742	Lithium Analysis	Parks, A.	6/12/59	CRD
CNLM-1743	Transmittal Letter Transmitting TIM-484, TIM-602, and TIM-610	Parks, G.	6/12/59	CRD
CNLM-1744	In a Telephone Conversation on May 25, 1959 With Mr. C. D. Lingenfelter, Mr. George Leach Requested Additional Information	Smith, A.	6/12/59	CDI
CNLM-1745	Justification of Marshall Heat Treating Furnaces	Lieberman, W.	6/15/59	U
CNLM-1746	Metallurgical Engineering Progress Report for May, 1959	Treciokas, V.	6/15/59	CRD
CNLM-1747	Briefing on Navy Renewal Contract by Bureau of Aeronautics	Andrews, N.	6/15/59	CRD
CNLM-1748	Operating Instructions for the PW-19 Heater Load Box - June 17, 1959	Heyl, P.	6/22/59	U
CNLM-1749	Cost Estimate for PWAR-11C Test Reactor Facility	Brown, A.	6/17/59	U
CNLM-1750	Fabrication and Inspection Reports for Ceramic Fuel Elements #132C Through #136C	Lomerson, E.	6/15/59	CRD
CNLM-1751	The Compilation of the Information Requested From Mr. C.D. Lingenfelter	Beardsley, G.	6/16/59	CRD
CNLM-1752	Quarterly Progress Report April 1, 1959 to June 30, 1959	Leeper, H.	6/16/59	U
CNLM-1753	Cost Estimate - Reactor and Powerplant Development Facilities	Brown, A.	6/17/59	U
CNLM-1754	Because of Scheduling Require- ments Which Have Occurred at CANEL, It Appears Necessary to Modify	Parks, A.	6/17/59	CRD
CNLM-1755	Performance of Modified JT4-2 Engines in Liquid Metal Cycle Nuclear Powerplant	Gray, W.	6/19/59	CRD
CNLM-1756	Request for Radiator Perform- ance Data (EOS-303)	Larson, J.	6/21/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1757	Capsule Thermocouple Investi- gation	Hahn, H.	6/24/59	U
CNLM-1758	Final Report Project 1065 Welda- bility of Haynes Alloy #25	Rogers, S.	6/19/59	U
CNLM-1759	Preliminary Powerplant Perform- ance Data, Weight Breakdowns, and Installation Drawings	Beardsley, G.	6/19/59	CRD
CNLM-1760	In-pile Capsule Design for PW 21-70 Series (PW-18-410)	Parks, A.	6/23/59	CRD
CNLM-1761	Materials Laboratory Progress Report for May, 1959	Raring, L.	6/22/59	CRD
CNLM-1762	Studies on Nuclear Rocket Powerplants	Skaritka, J. Muller, G.	6/22/59	CRD
CNLM-1763	Analysis of Amounts Invoiced Contract AT 11-1-229, May, 1959	n.a.	6/24/59	U
CNLM-1764	Analysis of Amounts Invoiced Contract AF 33-038-27341, May, 1959	n.a.	6/24/59	U
CNLM-1765	Analysis of Amounts Invoiced Contract No. As 58-662-C, May, 1959	n.a.	6/24/59	U
CNLM-1766	Summary of Cost May, 1959 Contracts AF 33-038-27341 No. AS 58-662-C and AT 11-1-229	n.a.	6/24/59	U
CNLM-1767	Engineering and Development Contract AT 11-1-229 Commit- ment Status May, 1959	n.a.	6/24/59	U
CNLM-1768	Request for Liquid Metal Pump Data (EOS-303)	Larson, J.	6/24/59	CRD
CNLM-1769	Presentation to the Air Force Scientific Advisory Board June 23 and 24, 1959	n.a.	7/2/59	CRD
CNLM-1770	Fabrication and Inspection Reports for Cermet Fuel Elements T-1 Through T-20	Lomerson, E.	6/29/59	CRD
CNLM-1770 (Supp. 1)	Fabrication and Inspection Reports for Cermet Fuel Elements 5A-55 Through 5A-138	Lomerson, E.	6/29/59	CRD
CNLM-1770-1 (Supp. 1)	Correction of Fabrication and Inspection Reports for Cermet Fuel Elements 5A-55 Through 5A-138	Lomerson, E.	7/14/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1770 (Rev. 2)	Fabrication and Inspection Reports for Cermet Fuel Elements 3A-55 Through 3A-138	Lomerson, E.	7/16/59	CRD
CNLM-1770 (Rev. 2 Supp. 1)	Correction of Fabrication and Inspection Reports for Cermet Fuel Elements 3A-55 Through 3A-138	Lomerson, E.	7/29/59	CRD
CNLM-1771	Corrosion Studies for PW 21 Series Capsules	Parks, A.	6/24/59	CRD
CNLM-1772	Secondary Pump for 10 MW Reactor Experiment	Marman, H.	6/30/59	CRD
CNLM-1773	General Classification Direction	Miller, J.	6/30/59	CRD
CNLM-1774	Comparison of Nuclear Power - plants - Using One and Two Liquid Metal Circuits	n.a.	6/29/59	CRD
CNLM-1775	Reactor Controls Progress Report for the Week Ending June 25, 1959	Bourret, C.	6/29/59	U
CNLM-1776	Supplement No. 2 to Appendix a Statement of Work Under Contract No. AT 11-1-229 Applicable for Period October, 1959 Through September 30, 1960	n.a.	6/29/59	CRD
CNLM-1777	Forecast of Nuclear Materials Requirements - 2nd Revision Fiscal Year 1960 "Normal Uranium"	n.a.	6/30/59	U
CNLM-1777 (Supp. 1)	Forecast of Nuclear Materials Requirements - 2nd Revision Fiscal Year 1960 "Normal Uranium"	n.a.	6/30/59	U
CNLM-1778	Forecast of Nuclear Materials Requirements - 2nd Revision Fiscal Year 1960 "Enriched Uranium"	n.a.	6/30/59	CRD
CNLM-1779	Forecast of Nuclear Materials Requirements - 2nd Revision Fiscal Year 1960 "Plutonium"	n.a.	6/30/59	U
CNLM-1780	Proposal to AEC for Development of Heat Exchangers for Sodium-Cooled Reactor Systems	Holtsinger, C.	6/30/59	SRD
CNLM-1781	Monthly Progress Report Under Contract AT 11-1-229	Schmickrath, B.	6/30/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1782	Organic Convection Loop Program	Campbell, W.	7/1/59	CRD
CNLM-1783	Interim Report - Project 1048 Bonding of Vanadium	Rogers, S.	7/1/59	U
CNLM-1784	Interim Report - Project 1047 Bonding of Tantalum	Rogers, S.	7/1/59	U
CNLM-1785	Following is a Complete List of Active Engineering Order Supplements as of July 1, 1959	Smith, S.	7/7/59	U
CNLM-1786	Performance Group Progress Report for June, 1959	Lingenfelter, C.	7/2/59	CRD
CNLM-1787	Final Report - Project 1620 Hydroform Lower Case - Turbine Air Duct T-1000524	Goodin, L.	7/2/59	U
CNLM-1788	PWAR-11C NaK Piping and Supports	Gemma, A.	7/6/59	CRD
CNLM-1789	Lithium Piping and Support System	Gemma, A.	7/6/59	CRD
CNLM-1790	Schedule 11 Cost Factor by Program FY-1959 Estimated Advanced Application	n.a.	7/23/59	U
CNLM-1791	Outline of Fabrication Development Program	Kuhns, R.	7/7/59	CRD
CNLM-1792	Design Memo for PWAR-11C Piping Tests	Gemma, A.	7/7/59	U
CNLM-1793	Engine Performance and Radiator Data for Modified J-75 Turbofan Engine	n.a.	7/10/59	CRD
CNLM-1794	Monthly Progress Report - June 1959	Leeper, H.	7/9/59	CRD
CNLM-1795	Major Accomplishments at CANEL Since September, 1957	Strough, R.	7/9/59	CRD
CNLM-1796	Identification of Dispersoid Phases in Cb-base Alloys	Doyle, J.	7/9/59	CRD
CNLM-1797	Summary of Radiator Develop- ment Work at CANEL Subsequent to October 15, 1957	n.a.	7/9/59	U
CNLM-1798	Request for Radiator Data	Gray, W.	7/10/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1799	Classification	Miller, J.	7/15/59	U
CNLM-1800	Metallurgical Engineering Progress Report for June, 1959	Treciokas, V.	7/15/59	CRD
CNLM-1801	Major Accomplishments at CANEL Since September, 1957	Strough, R.	7/13/59	CRD
CNLM-1802	Radiators: A Bibliography of all Reports on Work Done by or Connected With the Project	Weniger, V.	7/16/59	CRD
CNLM-1802 (Supp. 1)	<i>References</i> List of References Giving Information on a Rig to Test the Bending Properties of a Tube July 19, 1959	Cernak, E.	9/14/59	U
CNLM-1802 (Supp. 2)	Purification of Argon, Helium and Xenon; A Bibliography	Cernak, E.	9/28/59	U
CNLM-1802 (Supp. 3)	The Ion-exchange Behavior of Aluminum, Chromium, Cobalt, Molybdenum, Nickel, Niobium, Tantalum, Titanium, Tungsten, Vanadium, and Zirconium	Cernak, E.	10/16/59	U
CNLM-1802 (Supp. 4)	Electromagnetic Pumps and Motors - A Bibliography	Cernak, E.	10/19/59	U
CNLM-1802 (Supp. 5)	The Oxidation of Cr, Hf, Mo, Nb, Ta, Ti, W, V, Zr, and Some of Their Alloys - A Bibliography	Cernak, E.	1/4/60	U
CNLM-1802 (Supp. 6)	Scoop Tube Control: A Biblio- graphy	Cernak, E.	12/4/59	U
CNLM-1802 (Supp. 7)	Reprocessing of Irradiated Nuclear Reactor Fuels - A Bibliography	Cernak, E.	12/23/59	U
CNLM-1802 (Supp. 8)	Quantitative and Qualitative Analysis of Trace Elements in Steel - Bibliography	Cernak, E.	12/11/59	U
CNLM-1802 (Supp. 9)	Channel Wing Aircraft. A Bibliography	Cernak, E.	12/29/59	U
CNLM-1802 (Supp. 10)	Self-Shielding Cross Sections A Bibliography	Cernak, E.	1/4/60	U
CNLM-1802 (Supp. 11)	Vacuum Arc Melting: A Biblio- graphy	Cernak, E. Doyle, J.	3/23/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1802 (Supp. 12)	Long Counters - A Bibliography	Cernak, E.	1/22/60	U
CNLM-1802 (Supp. 13)	The Use of Ultrasonic in Electro-deposition and Electroplating, A Bibliography	Cernak, E.	1/23/60	U
CNLM-1802 (Supp. 14)	Fabrication of Beryllium: A Bibliography Dated April 1, 1960	Cernak, E.	4/19/60	U
CNLM-1802 (Supp. 15)	Radiation Effects on Aluminum Elastomers, and Lubricants - A Bibliography Dated April 4, 1960	Cernak, E.	5/19/60	U
CNLM-1802 (Supp. 16)	Boiling Heat Transfer of Liquid Metals - A Literature Search Dated October 3, 1960	Cernak, E.	10/4/60	U
CNLM-1802 (Supp. 17)	UC Systems With NbC, TaC, and ZrC - A Bibliography Dated 10/19/60	Cernak, E.	11/2/60	U
CNLM-1802 (Supp. 1-17)	UC Systems With NbC, TaC, and ZrC - A Bibliography Dated March 1, 1961	Cernak, E.	3/2/61	U
CNLM-1802 (Supp. 18)	Reliability: A Bibliography Dated December 1, 1960	Cernak, E.	12/9/60	U
CNLM-1802 (Supp. 19)	One-Dimensional Neutron Diffusion Multigroup Programs - A Bibliography Dated February 8, 1961	Cernak, E.	2/20/61	U
CNLM-1802 (Supp. 20)	Doctors', Engineers' and Masters' Theses on Bearings, Cascades, Cavitation, Compressors, Diffusers Pumps, Seals, Turbines, and Vanes: A Literature Survey A Bibliography	Cernak, E.	4/6/61	U
CNLM-1803	Liquid Metal Compatibility of Various Weld Filler Metals Joining Type 316 and Columbium-1.0 Zirconium Alloy	Blecherman, S. Murk, A.	7/16/59	CRD
CNLM-1804	Comparison of One Versus Two Reactors in NAA B-70 Airplane	Larson, J.	7/17/59	CRD
CNLM-1805	Corrosion Resistance of Type 318 and Type 316 Stainless Steel Weldments to 1650F NaK	Maximowicz, H.	7/17/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1807	Declassified PWAC Reports	Miller, J.	7/21/59	U
CNLM-1808	Calrod Type Heaters for Application in In-pile Capsule Experiments	Parks, G.	7/17/59	CRD
CNLM-1809	Radiator Data for the CAMAL Airplane Your Letter CNLM-1798 of July 9, 1959	Horan, J.	7/20/59	CRD
CNLM-1810	Radiator Data for CAMAL Airplane Your Letter of July 16, 1959 and CNLM-1798 of July 9, 1959	Horan, J.	7/20/59	CRD
CNLM-1811	Information on Our Nuclear Aircraft Powerplants	Beardsley, G.	7/17/59	CRD
CNLM-1812	Supplement No. 2 to Appendix A Statement of Work Under Contract No. AT 11-1-229 Applicable for Period October 1, 1959 Through September 30, 1959	n.a.	7/17/59	CRD
CNLM-1812 (Rev. A)	Supplement No. 2 to Appendix A Statement of Work Under Contract No. AT 11-1-229 Applicable for Period October 1, 1959 Through September 30, 1959	n.a.	7/23/59	CRD
CNLM-1813	Progress Report - June, 1959	Strough, R.	7/20/59	CRD
CNLM-1814	Current Relays for In-pile Loop	Shea, T. Keegan, J.	8/6/59	U
CNLM-1815	E.O.S. Changes	Beardsley, G.	7/21/59	U
CNLM-1816	Request Additional Support for Analysis of Ceramic Materials	Kuhns, R.	7/20/59	CRD
CNLM-1817	Request for Rig Construction and Instrumentation for the Full Scale Upper Pressure Vessel Test	Sutherland, J.	7/20/59	U
CNLM-1818	High Frequency Welding - Visit to New Rochelle Tool Corporation on July 21, 1959	Spinelli, F.	7/29/59	U
CNLM-1819	Contract Schedule for Proposed Air Force Contract Part-1 Contract Objectives	n.a.	7/21/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1820	Work Request (PW-102 Design)	Wesbecher, J.	7/21/59	CRD
CNLM-1821	Materials Laboratory Progress Report for June, 1959	Raring, L.	7/22/59	CRD
CNLM-1822	The Meeting of the CANEL Welding and Brazing Committee	Beebe, D.	7/24/59	U
CNLM-1823	SS Material Scrap List	Beardsley, G.	7/22/59	CRD
CNLM-1824	We Have Received the Drawings and Engineering Information Sent to C.D. Lingenfelter by R. F. Cross	Beardsley, G.	7/24/59	U
CNLM-1825	The Consumable and Non-Consumable Electrode Automatic Fusion Welding of Arc-cast Columbium-.75% Zirconium to Arc-cast Columbium-.75% Zirconium, With the Use of Filter Bearing Gas Diffusion Trailers for Atmosphere Protection	Scanlon, J.	8/27/59	CRD
CNLM-1826	Resistance Stud Welding of Columbium-.75% Zirconium Fuel Element Hanger Assembly	Scanlon, J.	8/27/59	CRD
CNLM-1827	Changes in Material Specification Call Outs on Design Layouts	Kycia, M.	7/29/59	U
CNLM-1828	Since Receiving Your Letters of July 13, 1959 and July 20, 1959 Addressed to B.A. Schmickrath, We Have	Holtsinger, C.	7/27/59	CRD
CNLM-1829	Transparencies of Drawings and (7) Copies of a List of Equipment Drawings Pertaining to the In-pile Loop Revised as of 7/13/59	Parks, G.	7/28/59	CRD
CNLM-1830	The Powerplant Weight Estimates, Reactor-Shield	Beardsley, G.	7/29/59	CRD
CNLM-1831	As H. C. Woodsum and I Discussed With You When We Were in Oak Ridge	Kennedy, W.	7/29/59	CRD
CNLM-1832	In-pile Loop Work Schedule	Milich, J.	7/29/59	CRD
CNLM-1832 (Supp. 1)	In-pile Loop Work Schedule	Milich, J.	10/6/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1833	Hydroform Insulation Cases T-1000490 and T-1000584	Goodin, L.	7/29/59	U
CNLM-1834	Hydroform Shroud - Impeller Housing	Goodin, L.	7/29/59	U
CNLM-1835	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NOas 58-662C	Schmickrath, B.	7/30/59	CRD
CNLM-1836	Results of the Contamination and Relative Stiffness of Cb- .75 Zr During Forging	Herdt, A.	7/30/59	U
CNLM-1837	Request for Pressure Vessel Structural Test Rig (4305R-2; Stand X-840)	Triner, N.	8/24/59	U
CNLM-1838	Performance Group Progress Report for July, 1959	Lingenfelter, C.	7/30/59	CRD
CNLM-1839	Radiator Performance and Instal- lation for J-58 Conversion	Turner, G.	8/20/59	CRD
CNLM-1840	Because of In-pile Capsule Scheduling Requirement Changes Which Have Occurred at CANEL it Appears	Parks, A.	7/30/59	CRD
CNLM-1840 (Supp. 1)	In-pile Capsule Scheduling Requirements Have Changed at CANEL, Thereby Making it	Parks, A.	9/1/59	CRD
CNLM-1840 (Supp. 2)	Because of Revised Scheduling Requirement at CANEL, it is Necessary to Modify the Capsule Irradiations Schedule	Parks, A.	10/2/59	CRD
CNLM-1840 (Supp. 3)	Because of Revised Scheduling Requirements at CANEL, it is Necessary to Modify the Capsule Irradiation Schedule	Parks, A.	10/23/59	CRD
CNLM-1840 (Supp. 4)	Modification of Capsule Irradiation Schedule	Parks, A.	11/10/59	CRD
CNLM-1840 (Supp. 5)	Because of Revised Scheduling Requirements at CANEL, it is Necessary to Modify the Capsule Irradiation Schedule	Parks, A.	11/27/59	CRD
CNLM-1840 (Supp. 6)	Modification of the Capsule Irradiation Schedule	Parks, A.	12/16/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1841	Proposed Sinusoidal Actuators	Roebuck, J.	8/12/59	U
CNLM-1842	Reactor and Shield Parametric Data for Navy Studies	Andrews, N.	8/19/59	CRD
CNLM-1843	EOS Changes	Beardsley, G.	8/18/59	U
CNLM-1843 (Rev. 1)	EOS Changes	Smith, S.	9/10/59	U
CNLM-1843 (Rev. 2)	EOS Changes	Smith, S.	11/2/59	U
CNLM-1843 (Rev. 3)	Complete List of Active Engineering Order Supplements as of December 15, 1959 Supersedes Listing in CNLM-1843 Rev. 2 Dated 11/2/59	Smith, S.	12/18/59	U
CNLM-1843 (Rev. 4)	Complete List of Active Engineering Order Supplements as of March 21, 1960 Superseded the Listing in CNLM-1843 Rev. 3	Smith, S.	3/25/59	U
CNLM-1843 (Rev. 5)	Complete List of Active Engineering Order Supplements as of May 27, 1960 Supersedes CNLM-1843-Rev. 4 Dated March 21, 1960	Smith, S.	6/1/60	U
CNLM-1843 (Rev. 6)	Discontinuation of All Active EOS Numbers Effective July 1, 1960 to be Replaced by New Task Order Numbers	Smith, S.	6/14/59	U
CNLM-1844	Declassification Information	Miller, J.	8/18/59	U
CNLM-1845	Proposed Schedules for Forced Convection Loop Program Under EOS-156A, 227, and 912	Austin, G.	7/31/59	CRD
CNLM-1846	Cost Segregation by Work Order Numbers	Beardsley, G.	8/12/59	U
CNLM-1847	4 Copies of Photograph No. 4C-1379F UAC Operates a Mobile Display Van	Beardsley, G.	8/3/59	CRD
CNLM-1848	Engineering Proposal for Support of Research and Development Work on Materials and Propulsion Equipment Components of Aircraft Nuclear Propulsion Systems	Schmickrath, B.	8/10/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CLNM-1848 (Rev. 1)	Revision of Page 7, CNLM-1848	Davis, E.	12/11/59	CRD
CNLM-1849	Progress Report - July, 1959	Strough, R.	8/4/59	CRD
CNLM-1850	Airplane Company Criticisms of the Low Altitude Missile Study in CNLM-1459	Gaffin, W.	8/5/59	CDI
CNLM-1851	Transfer of TIM-613, and T-1014920, and T-1014922	Parks, A.	8/4/59	CRD
CNLM-1852	Information on Liquid Metal Powerplants	Beardsley, G.	8/4/59	CRD
CNLM-1853	We are Attaching Herewith a Table Covering the Second and Third Items Given in Our Letter of March 31, 1959	Beardsley, G.	8/4/59	CRD
CNLM-1854	Corrosion Resistance of Type 318 Stainless Steel in NaK	Freed, M.	8/11/59	U
CNLM-1855	Phase III Navy Proposal - Radiator Development	Wesbecher, J.	8/13/59	CRD
CNLM-1856	Request for Radiator Data	Larson, J.	8/13/59	CRD
CNLM-1857	The Authority Provided by Three AEC-320 Forms for the Irradia- tion of Various Experiments in the Materials Testing and/or Engineering	Holtsinger, C.	8/17/59	U
CNLM-1858	Al-Cr Hot Dipped Coated Experi- mental Heat Exchangers	Jones, R.	8/17/59	CRD
CNLM-1859	Engineering Proposal for the Study of the Operation, Maintenance, and Hazards Involved in the Use of Nuclear Powered Aircraft	Schmickrath, B.	9/15/59	CRD
CNLM-1860	Presentation at the Air Technical Intelligence Center Wright-Patterson Air Force Base July 29, 1959	Raring, L.	8/21/59	CRD
CNLM-1861	Materials Laboratory Progress Report for July, 1959	Raring, L.	8/17/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1862	Design Criteria for Proposed Warehouse CANEL - Air Force Plant 62	Williams, J.	9/30/59	U
CNLM-1863	Low Conductivity Fins (.00346 BTU/ft ² -sec -°F/ft)	Horan, J. Rice, A.	8/19/59	CDI
CNLM-1864	Design Request for Full Scale Reactor Model for Hydrodynamic Tests	Bernstein, E.	8/24/59	U
CNLM-1865	Methods Used in Cleaning PW-21 Series Capsule Parts	Parks, A.	8/20/59	CRD
CNLM-1867	Trip Report to the Dynamic Division of Eaton Manufacturing Company at Kenosha, Wisconsin to Discuss Status of the Turbine Dynamometer Unit for the Pump Turbine Laboratory	Wood, G.	8/25/59	U
CNLM-1868	Request for Analytical Studies of Navy Radiator	Gray, W.	8/24/59	CRD
CNLM-1869	Nuclear Liquid Metal Cycle Propulsion Presentation to be Made at the Second Symposium on Advanced Propulsion Concepts on October 8, 1959	n.a.	9/4/59	CRD
CNLM-1869 (Abstract)	Nuclear Liquid Metal Cycle Propulsion	Larson, J.	10/6/59	CRD
CNLM-1870	Preliminary Design Criteria for CANEL Fuel Element Shop	Mcfarlane, D.	9/15/59	U
CNLM-1871	Estimated Cost for EOS 248A Entitled "Lithium-to-Air Radiator Development Program"	Kelly, R.	8/26/59	CRD
CNLM-1872	Proposal for the Preliminary Design of the Military Compact Reactor Pilot Plant September 2, 1959	Smith, A.	9/8/59	SRD
CNLM-1873	Tests to Determine Temperature Distribution in and Heat Loss From Insulated and Jacketed Columbium Pipe	Doak, R.	8/28/59	CRD
CNLM-1874	Substantiation of Marshall Heat Treating Furnaces	Liebermann, W.	8/31/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1875	Determination of the Mechanical Properties of Haynes Alloy Number 25 at Elevated Temperatures in Air and Sodium	Liebermann, W.	8/28/59	U
CNLM-1876	Performance Group Progress Report for August, 1959	Lingenfelter, C.	8/31/59	CRD
CNLM-1877	Progress Report for Forging at Ladish Company Week of August 3-7, 1959	McGrath, D.	9/3/59	U
CNLM-1878	Progress Report for Forging at Ladish Company Week of August 10-14, 1959	McGrath, D.	9/3/59	U
CNLM-1879	Ladish Forging Progress Report August 17-21, 1959	Treciokas, V.	9/3/59	U
CNLM-1880	Ladish Forging Progress Report August 24-28, 1959	Treciokas, V.	9/3/59	U
CNLM-1881	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NOas 58-662C	n.a.	8/31/59	CRD
CNLM-1882	Request for Pump-Turbine Analysis	Gray, W.	8/31/59	U
CNLM-1882 (Supp. 1)	Supplementary Pump-Turbine Data	Gray, W.	9/16/59	CDI
CNLM-1883	Data Request From Convair, San Diego	Lingenfelter, C.	8/31/59	CDI
CNLM-1884	The Resistance Welding of Type 316 Stainless Steel Tube to Header Joints in Radiator and Heat Exchanger Fabrication	Scanlon, J.	9/1/59	U
CNLM-1885	Interim Report - Project 1816 Machining Fuel Elements	Asmond, L.	9/1/59	U
CNLM-1886	In Accordance With the Request in Your Letter of August 28, 1959	Beardsley, G.	9/1/59	CRD
CNLM-1887	Description of Tests Anticipated and Services Required in X885 Area	Bernstein, E.	9/3/59	U
CNLM-1888	Test of Columbium-.75% Zirconium to 316 Stainless Steel Resistance Weld Specimen	Couture, A.	9/10/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1889	Transmittal Letter for TIM-609-1	Parks, G.	9/4/59	CRD
CNLM-1890	Request for Reactor/Shield Study	Larson, J.	9/11/59	CRD
CNLM-1892	Navy Radiator Studies	Wesbecher, J.	9/8/59	CDI
CNLM-1893	Schedule of Tests	Doak, R.	9/8/59	CRD
CNLM-1894	Instrumentation Requirements for Full Scale Reactor Model Tests (Work Order 490933)	Bernstein, E.	9/11/59	U
CNLM-1895	Report of Consultation Visit to CANEL (July 9-24, 1959)	n.a.	9/22/59	CRD
CNLM-1896	Progress Report for Forging at Ladish Company, August 31- September 4, 1959	McGrath, D.	9/14/59	U
CNLM-1897	Instrumentation of In-pile Capsule Test Specimens	Parks, A.	9/10/59	CRD
CNLM-1898	Dilatometric Results for Alloys Cb-1Al, Cb-3Al, Cb-7Al, Cb-7Ti, 3V-3Al	Delgrosso, E.	9/10/59	U
CNLM-1899	Request for Reactor-Shield Study	Gray, W.	9/15/59	CRD
CNLM-1900	Metallurgical Engineering Progress Report for August, 1959	Treciokas, V.	9/11/59	CRD
CNLM-1901	Estimate of Columbium Require- ments for 10MW Pump Development Program	Wood, G.	9/11/59	U
CNLM-1902	Proposed Lithium Pump Program	Murphy, J.	9/11/59	CRD
CNLM-1903	Columbium Alloy Requirements for In-pile Capsule Program	Parks, A.	9/11/59	CRD
CNLM-1904	PWAR-11C Test Radiator Oxida- tion Resistance	Bronke, V.	9/14/59	CRD
CNLM-1905	Element Layout Diagrams for the In-pile Loop Mark IV Fuel Element Test Specimens	Nelson, C.	9/23/59	CRD
CNLM-1906	Forced Convection Corrosion Program Status, September 1, 1959	Austin, G.	9/16/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1907	Equipment and Instrumentation Requirements for Hot Flow Test Rig	Rosh, D.	9/15/59	U
CNLM-1908	Research Proposal for Work to be Done With Internal Friction Apparatus Under EOS-168	Leavenworth, H.	9/15/59	CRD
CNLM-1909	Parametric Nuclear Powerplant Data	Larson, J.	9/22/59	CRD
CNLM-1910	Resistivity Tests for PWAR-11C	Shea, T.	9/15/59	CRD
CNLM-1911	We Feel That the Following Reports and Memoranda Would be Useful for Study or Reference	Parks, G.	9/15/59	U
CNLM-1912	I am Enclosing With This Letter Single Transparencies of the Following Drawings	Parks, G.	9/15/59	CRD
CNLM-1913	In Accordance With a Request by Letter of 9/2/59 From the Harao, We Have Now Reviewed all	Holtsinger, C.	9/15/59	U
CNLM-1914	A Meeting of the CANEL Welding and Brazing Committee	Beebe, D.	9/22/59	U
CNLM-1915	Request for Radiator Data for Navy Study	Gray, W.	9/16/59	CDI
CNLM-1916	Status Cb Alloy Ingot Procurement	Leon, J.	9/16/59	CRD
CNLM-1917	Analysis of Amounts Invoiced - Contract AT 11-1-229 June, 1959	n.a.	9/17/59	U
CNLM-1918	Analysis of Amounts Invoiced - Contract AF 33-038-27341 June, 1959	n.a.	9/17/59	U
CNLM-1919	Analysis of Amounts Invoiced Contract NO AS 58-662-C June, 1959	n.a.	9/17/59	U
CNLM-1920	Summary of Cost June, 1959 Contracts AF 33-038-27341 NO AS 58-662-C, AT 11-1-229	n.a.	9/17/59	U
CNLM-1921	Engineering and Development Contract AT 11-1-229 - Commitment Status June, 1959	n.a.	9/17/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1922	Materials Laboratory Progress Report for August, 1959	Raring, L.	9/17/59	CRD
CNLM-1923	Description of Model Related to Reactor Development Program	n.a.	9/17/59	CRD
CNLM-1924	Analysis of Amounts Invoiced - Contract AT 11-1-229 July, 1959	n.a.	9/30/59	U
CNLM-1925	Analysis of Amounts Invoiced Contract AF 33-038-27341, July, 1959	n.a.	9/30/59	U
CNLM-1926	Analysis of Amounts Invoiced - Contract NO AS 58-662-C July, 1959	n.a.	9/30/59	U
CNLM-1927	Summary of Cost July, 1959 Contracts AF 33-038-27341; NO AS 58-662-C; AT 11-1-229	n.a.	9/30/59	U
CNLM-1928	Engineering and Development Contract AT 11-1-229 Commitment Status July, 1959	n.a.	9/30/59	U
CNLM-1929	In Accordance With Agreement Reached at a Recent Meeting Between Representatives of the Aircraft Nuclear Propulsion Office	Schmickrath, B.	9/17/59	U
CNLM-1930	Additional Statement of Work Under Contract AT 11-1-229 Applicable for Twelve-month Period Starting October 1, 1959	n.a.	9/17/59	CRD
CNLM-1931	Preliminary Corrosion Report on Loop NCSB-2B1	Grossman, H.	9/28/59	CRD
CNLM-1931 (Supp. 1)	Preliminary Corrosion Report on Loop NCSB-3B2	Grossman, H.	9/28/59	CRD
CNLM-1931 (Supp. 2)	Preliminary Corrosion Report on Loop NHHA-1A1	Grossman, H.	9/29/59	CDI
CNLM-1931 (Supp. 3)	Preliminary Corrosion Report on Loop LCCT-5D1	Blecherman, S.	9/29/59	CRD
CNLM-1931 (Supp. 4)	Preliminary Corrosion Report on Loop LCCT-7C5	Blecherman, S.	9/29/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1931 (Supp. 5)	Preliminary Corrosion Report on Loop NHHA-2A2	Blecherman, S.	9/29/59	CRD
CNLM-1931 (Supp. 6)	Preliminary Corrosion Report on Loop NHHA-3B1	Grossman, H.	10/2/59	CRD
CNLM-1931 (Supp. 7)	Preliminary Corrosion Report on Loop NHHA-5B2	Grossman, H.	10/2/59	CRD
CNLM-1931 (Supp. 8)	Preliminary Corrosion Report on Loop NCHA-1A1	Grossman, H.	10/2/59	CRD
CNLM-1931 (Supp. 9)	Preliminary Corrosion Report on Loop NCHA-2A2	Grossman, H.	10/8/59	CRD
CNLM-1391 (Supp. 10)	Preliminary Corrosion Report on Loop NSSC-1A1	Abrams, E.	10/8/59	CRD
CNLM-1931 (Supp. 11)	Preliminary Corrosion Report on Loop LCSC-3A1	Abrams, E.	10/14/59	CRD
CNLM-1931 (Supp. 12)	Preliminary Corrosion Report on Loop NCSC-4A2	Abrams, E.	10/14/59	CRD
CNLM-1931 (Supp. 13)	Preliminary Corrosion Report on Loop NSSC-2A2	Abrams, E.	10/19/59	CRD
CNLM-1931 (Supp. 14)	Preliminary Corrosion Report on Loop NCSC-5B1	Grossman, H.	10/27/59	CRD
CNLM-1931 (Supp. 15)	Preliminary Corrosion Report on Loop LCCAZ-5A5	Blecherman, S.	10/27/59	CRD
CNLM-1931 (Supp. 16)	Preliminary Corrosion Report on Loop LCCAZ-10A6	Blecherman, S.	11/12/59	CRD
CNLM-1931 (Supp. 17)	Preliminary Corrosion Report on Loop NCSC-6B2	Grossman, H.	11/19/59	CRD
CNLM-1931 (Supp. 18)	Preliminary Corrosion Report on Loop LOCAZ-9A7	Blecherman, S.	12/3/59	CRD
CNLM-1931 (Supp. 19)	Preliminary Corrosion Report on Loop LVVB-1A1	Grossman, H.	12/16/59	CRD
CNLM-1931 (Supp. 20)	Preliminary Corrosion Report on Loop LVVB-2A2	Grossman, H.	12/17/59	CRD
CNLM-1931 (Supp. 21)	Preliminary Corrosion Report on Loops LTTN-7A1, LTTN-8A1, LTTN-1A3	Abrams, E.	1/20/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1931 (Ref. 22)	Preliminary Corrosion Report on Loop LTTN-6B1	Abrams, E.	1/20/60	CRD
CNLM-1931 (Supp. 23)	Preliminary Corrosion Report on Loop LCCBK-2A2	Blecherman, S.	2/1/60	CRD
CNLM-1931 (Supp. 24)	Preliminary Corrosion Report on Loops LCCBD-1A2 and LCCBD-2A3	Blecherman, S.	2/10/59	CRD
CNLM-1931 (Supp. 25)	Preliminary Corrosion Report on Loop LTTN-4A4	Kobren, L.	2/15/60	CRD
CNLM-1931 (Supp. 26)	Preliminary Corrosion Report on Loop LVVB-3A3	Hardy, G.	2/17/60	CRD
CNLM-1931 (Supp. 27)	Preliminary Corrosion Report on Loop LCCAZ-14A8	Teller, S.	4/5/60	CRD
CNLM-1931 (Supp. 28)	Preliminary Corrosion Report on Loop LCCAZ-17C1	Teller, S.	4/25/60	CRD
CNLM-1931 (Supp. 29)	Preliminary Corrosion Report on Forced Convection Loop NCHA-2A6	Grossman, H.	4/25/60	CRD
CNLM-1931 (Supp. 30)	Preliminary Corrosion Report on Loop LCCAZ-13	Teller, S.	4/25/60	CRD
CNLM-1931 (Supp. 31)	Preliminary Corrosion Report on Loop LCCBJ-1A1	Kobren, L.	6/6/60	CRD
CNLM-1931 (Supp. 32)	Preliminary Corrosion Report on Loop LCCBH-1A1	Hardy, G.	8/4/60	CRD
CNLM-1931 (Supp. 33)	Preliminary Corrosion Report on Forced Convection Loop NCSF-2A2	Grossman, H.	8/5/60	CRD
CNLM-1931 (Supp. 34)	Preliminary Corrosion Report on Loop LCCT-12C6	Hardy, G.	8/19/60	CRD
CNLM-1932	Classification Guidance	Miller, J.	9/22/59	CRD
CNLM-1933	Request for Analog Study of Intermediate Heat Exchanger	Bigelow, C.	9/23/59	CRD
CNLM-1934	In Accordance With Your Request I am Enclosing Herewith One Copy of Each of the Following Reports	Beardsley, G.	9/22/59	CRD
CNLM-1935	Evaluation of the Residual Uranium Scrap	Beardsley, G.	9/18/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1936	Research Proposal for Work to be Done on the Rate of Solution of Columbium Alloys in Liquid Lithium Under EOS-168	Leavenworth, H.	9/23/59	CRD
CNLM-1937	In-pile Capsule Inspection Reports	Parks, A.	9/22/59	U
CNLM-1937 (Supp. 1)	In-pile Capsule Inspection Reports	Parks, A.	11/5/59	U
CNLM-1938	Tensile Testing With the Instron Universal Testing Machine	Lieberman, W.	9/23/59	CRD
CNLM-1939	Air Creep Testing of Coated Columbium Specimens	Stewart, J.	9/23/59	U
CNLM-1940	Detailed Shield Data Requested by Convair for Shielding Calculation Comparison	n. a.	9/25/59	CRD
CNLM-1941	Final Report - Project 131 Back Braze Tubes to Headers PW 101 Radiator	Rogers, S.	9/23/59	U
CNLM-1942	Presentation to the Air Force General Officers Group Dated September 22, 1959	n. a.	10/2/59	CRD
CNLM-1943	Electron Beam Welding Units	Tierney, J.	10/1/59	U
CNLM-1944	General Classification Guidance	Miller, J.	9/24/59	U
CNLM-1945	Quarterly Progress Report July-September, 1959	Treciokas, V.	9/24/59	CRD
CNLM-1946	Enclosed is a List of Scrap Materials	Breadsley, G.	9/24/59	CRD
CNLM-1947	Cylindrical Type Furnace Item 908, Supplement #30 to Appendix A	Wilcox, R.	9/24/59	CRD
CNLM-1948	Flight Powerplant Description and Performance	Andrews, N.	9/29/59	CRD
CNLM-1949	Ground Test Powerplant Description and Performance	Andrews, N.	9/29/59	CRD
CNLM-1950	Proposed Diffusion Study Program	Felber, F.	9/25/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1951	Facilities Requirements for Proposed Navy Program	n.a.	9/30/59	CRD
CNLM-1952	Interim Report - Project 300 Machinability of BeO	Asmond, L.	9/28/59	U
CNLM-1953	Final Report - Project 1626 Hydroform Case-Pressure Shell End Type 2, T-1014874	Goodin, L.	9/28/59	U
CNLM-1954	Final Report - Project 188 Eloxing the Filligree Lug Support	Asmond, L.	9/28/59	U
CNLM-1955	Status of Examinations of Engineering Corrosion Loops	Slotnick, H.	10/5/59	U
CNLM-1955 (Supp. 1)	Status of Examinations of Engineering Corrosion Loops	Slotnick, H.	10/21/59	U
CNLM-1955 (Supp. 2)	Status of Examinations of Engineering Corrosion Loops	Slotnick, H.	12/4/59	U
CNLM-1955 (Supp. 3)	Status of Examinations of Engineering Corrosion Loops	Slotnick, H.	2/15/60	U
CNLM-1955 (Supp. 4)	Status of Examination of Engineering Corrosion Loops	Slotnick, H.	4/4/60	U
CNLM-1955 (Supp. 5)	Status of Examination of Engineering Corrosion Loops	Slotnick, H.	4/27/60	U
CNLM-1956	Preliminary Corrosion Examination of Loop No. 290	Woodburn, W.	10/2/59	CRD
CNLM-1956 (Supp. 1)	Preliminary Corrosion Examination of Loop No. 291	Woodburn, W.	11/4/59	CRD
CNLM-1956 (Supp. 2)	Preliminary Corrosion Examination of Loop No. OCL-12	Maximovicz, H.	10/27/59	U
CNLM-1957	Request for Radiator Data	Rice, A. Turner, G.	9/29/59	U
CNLM-1958	We are Enclosing Herewith Three Copies of a Proposal for Additional Facilities for the...	Holtsinger, C.	9/28/59	CRD
CNLM-1959	Request for Equipment Group Services to Incorporate Full Scale Reactor Flow Tests at X-885	Bernstein, E.	10/2/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1960	Study of a Possible Reactor Development Program	Schmickrath, B.	9/29/59	CRD
CNLM-1961	Revised Cost Estimates For an Experimental Reactor Facility to be Located at the CANEL Site	Schmickrath, B.	9/29/59	CRD
CNLM-1962	Progress Report - August, 1959	Strough, R.	9/29/59	CRD
CNLM-1963	Justification for Heat Treat Furnace	Woertendyke, W.	9/29/59	CRD
CNLM-1964	Final Report - Project 122 The Induction Pressure Welding of Columbium-.75% Zirconium Small Diameter Tubing in Loop Fabrication	Scanlon, J.	10/14/59	U
CNLM-1965	Interim Report - Project 1053 The Resistance Welding of Columbium-.75% Zirconium to Columbium-.75% Zirconium	Scanlon, J.	10/14/59	CRD
CNLM-1966	Lithium Purification for the PWAR-11C Experiment	Bronke, V.	9/29/59	CRD
CNLM-1967	Parametric Nuclear Powerplant Data - Sea Level Turbojet Powered Missile	Larson, J.	10/2/59	CRD
CNLM-1968	Scaled Dose and Shield Dimensions for Convair Twin Reactor CAMAL Study	Johnson, H.	10/1/59	CRD
CNLM-1969	Letter from G. E. Beardsley to Mr. Richard Cross, BAR, Convair, San Diego, California	Beardsley, G.	9/30/59	CRD
CNLM-1970	Request for Reactor-Shield Study	Larson, J.	10/5/59	CRD
CNLM-1971	In Re Application of Philip P. Newcomb Serial No. 687 837 Filed October 2, 1957 for "Means and Method of Assembly of a Nuclear Aircraft Engine"	n.a.	10/1/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1972	In Re Application of Philip P. Newcomb Serial No. 687,837 Filed October 2, 1957 for "Means and Method of Assembly of a Nuclear Aircraft Engine"	n.a.	10/1/59	U
CNLM-1973	Navy Turboprop Data for Princess Airplane	Cole, P.	10/5/59	CDI
CNLM-1974	Pencilled Notes Showing Components and Their Classification of the P&W Reactor	Beardsley, G.	10/5/59	CRD
CNLM-1975	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NO AS 58-662-C	n.a.	9/30/59	CRD
CNLM-1976	Forecast of Nuclear Materials Requirements - Third Revision Fiscal Year 1960 (Enriched Uranium)	n.a.	10/2/59	CRD
CNLM-1977	Forecast of Nuclear Materials Requirements - Third Revision Fiscal Year 1960 (U ²³³)	n.a.	10/2/59	U
CNLM-1978	Forecast of Nuclear Materials Requirements - Third Edition Fiscal Year 1960 (Plutonium)	n.a.	10/2/59	U
CNLM-1979	Forecast of Nuclear Materials Requirements - Third Revision Fiscal Year 1960 (Normal Uranium)	n.a.	10/2/59	U
CNLM-1980	Design Criteria for Proposed Fuel Fabrication Facility CANEL-Air Force Plant 62, Prepared by Anderson-Nichols and Company	n.a.	10/23/59	OUO <i>ll</i>
CNLM-1980 (Rev. 1)	Design Criteria for Proposed Fuel Element Laboratory-CANEL-Air Force Plant 62, Middletown, Connecticut	n.a.	4/5/60	U
CNLM-1981	Transmittal of Reports Pertaining to In-pile Loop Experiment (PW-19)	Parks, G.	10/5/59	CRD
CNLM-1982	Operation Manual-Pratt and Whitney Aircraft Current Relays	n.a.	10/27/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1983	Proposal for Ground Test of Nuclear Propulsion Unit	n.a.	10/7/59	CRD
CNLM-1984	Preliminary Proposal: Maritime Gas Cooled Reactor Turbo-Machinery, Dated 3/10/58	n.a.	10/6/59	U
CNLM-1985	Off-Line Preparation of Bendix Intercom 1000 Double-Precision Programs	Schmidt, R.	10/12/59	U
CNLM-1986	Evaluation of Adaptation of PWAR-11 for Martin NT-16b Study	Berlin, R.	10/14/59	CRD
CNLM-1987	Proposed Records System for Shield and Reactor Design Data	Klingensmith, K. Woods, T. Walton, J.	10/6/59	U
CNLM-1987 (Supp. 1)	Proposed Records System for Shield and Reactor Design Data	Klingensmith, K. Woods, T.	10/27/59	U
CNLM-1988	Nuclear J-58 Turbojet Powered Low Altitude Missile	Gaffin, W.	10/12/59	CRD
CNLM-1989	Sole Source Purchase Justification	Hirakis, E.	10/8/59	U
CNLM-1990	Enclosure of TIM-622 and Work Sheets	Parks, A.	10/9/59	CRD
CNLM-1991	Effect of Strain Rate on Cb-5Zr Alloy-XM681 (as Cast)	Lieberman, W.	10/9/59	CRD
CNLM-1992	CANEL Made Finger Castings	Lieberman, W.	10/9/59	CRD
CNLM-1993	Presentation to the Selection Board for the Military Compact Reactor Project - October 8-9, 1959	n.a.	10/14/59	CRD
CNLM-1994	Comparison of Cruciform and Double Conical Radiators	Larson, J.	10/12/59	CRD
CNLM-1995	Cost Estimate	Wilcox, R.	10/12/59	U
CNLM-1996	Request for Design of a Test Rig to Determine the Temperature Distribution in, and Heat Loss From Insulated, and Jacketed Columbium Pipe	Rosh, D.	10/12/59	SRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-1996-1	Request to Design a Test Rig to Determine the Temperature Distribution and Heat Losses From an Insulated and Jacketed Columbium Pipe	Rosh, D.	10/23/59	U
CNLM-1997	Performance Group Progress Report for September, 1959	Shaw, R.	10/12/59	CRD
CNLM-1998	Analytical Mock-up of the In-core Section of the Loop Experiment and the Dummy Replacement	n.a.	10/13/59	SRD
CNLM-1999	Estimated Cost and Schedule for EOS	Kelly, R.	10/19/59	U
CNLM-2000	Estimated Cost and Schedule for EOS Entitled "PWAR-11C Secondary Pump and Sump Development Program (NP-1)"	Kelly, R.	10/19/59	CRD
CNLM-2001	NT-16 Performance	Horan, J.	10/19/59	CRD
CNLM-2002	Hot Bend Testing of Columbium 1 Percent Zirconium and Columbium-20 Percent Alloys Brazed With 93% Palladium-7% Aluminum Brazing Alloy	Lieberman, W.	10/14/59	CRD
CNLM-2003	PWAR-11C Reactor Development Event List	n.a.	10/15/59	SRD
CNLM-2004	PWAR-11C Reactor Experiment Development Schedule	n.a.	10/15/59	SRD
CNLM-2005	Description of Milestone Event	n.a.	10/15/59	SRD
CNLM-2006	Estimated Cost Data by Reactor Types Schedule I FY 1962	n.a.	10/15/59	U
CNLM-2007	Metallurgical Engineering Progress Report for September, 1959	Treciokas, V.	10/15/59	CRD
CNLM-2008	Proposed Information to be Furnished by P&WA by North American Aviation, Inc. Nuclear B-70 Supported Study	n.a.	10/15/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2009	Request for Design of Flow Mock-up of PWAR-11C Heat Exchangers	Bernstein, E.	10/19/59	U
CNLM-2010	Tube Burst Test Program	Kuhns, R. Triner, N.	10/20/59	CRD
CNLM-2012	Proposal for the Design and Development Testing of a Nuclear Turboprop Propulsion Unit (Rough Draft)	n.a.	10/27/59	SDI
CNLM-2012	Proposal for Design and Development Testing of a Nuclear Turboprop Propulsion Unit	Schmickrath, B.	2/17/60	CRD
CNLM-2013	Comparison of Two Calorizing Mixes	n.a.	10/19/59	U
CNLM-2014	Calorizing Atmosphere Evaluation	n.a.	10/19/59	U
CNLM-2015	Rate of Reactivity of Lithium and Foamsil	Blecherman, S.	10/19/59	U
CNLM-2016	Progress Report - September, 1959	Strough, R.	10/19/59	CRD
CNLM-2017	"In Our Proposal for the Design, Fabrication, and Operation of an Experimental Lithium-Cooled Reactor"	Schmickrath, B.	10/19/59	CRD
CNLM-2018	Materials Laboratory Progress Report for September, 1959	Raring, L.	10/20/59	CRD
CNLM-2019	Turbopump Performance Data	Murphy, J.	10/20/59	U
CNLM-2020	Design of LM3 Pressure Transmitter Test Capsule	Bliss, P.	10/21/59	CRD
CNLM-2021	Design of LM3 Thermocouple Test Capsules	Bliss, P.	10/21/59	CRD
CNLM-2022	Design of LM3 Level Probe Test Capsule	Bliss, P.	10/21/59	CRD
CNLM-2023	Request for Radiator Data Navy Study	Larson, J.	10/27/59	CDI

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2024	Examination of Cb-1 Zr Brazed With 57Zr-28Ti-15Fe	Abrams, E.	11/4/59	CRD
CNLM-2025	Request for Reactor-Shield Study	Larson, J.	10/23/59	CRD
CNLM-2025 (Rev. A)	Request for Reactor Shield Study	Larson, J.	11/12/59	CRD
CNLM-2026	Alloys Recommended for Experimental Evaluation	Clough, W.	10/26/59	CRD
CNLM-2027	Oxidation Laboratory Test Results, September, 1959	Krutenat, R.	10/27/59	CRD
CNLM-2028	Wah Chang Cb-7V-3Al-3V Ingot Material and Modifications	Carlson, C.	10/23/59	U
CNLM-2029	Corrosion Resistance of Type 316 Stainless Steel to Haynes Alloy 25 Weldments With Various Fillers to 1650F NaK	Maximowicz, H.	10/23/59	U
CNLM-2030	PWAR-11C NTF Installation	Lapan, A. Nimmons, J.	10/23/59	CRD
CNLM-2031	Analysis of Amounts Invoiced Contract AT 11-1-229 August, 1959	n.a.	10/23/59	U
CNLM-2032	Analysis of Amounts Invoiced Contract NO. AS 58-662C August, 1959	n.a.	10/23/59	U
CNLM-2033	Analysis of Amounts Invoiced Contract AF 33-038-27341 August, 1959	n.a.	10/23/59	U
CNLM-2034	Summary of Cost August, 1959 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1-229	n.a.	10/23/59	U
CNLM-2035	Engineering and Development Contract AT 11-1-229 Com- mitment Status August, 1959	n.a.	10/23/59	U
CNLM-2036	Revision of Proposal, CNLM-1848	Schmickrath, B.	10/27/59	CRD
CNLM-2037	Request for Analog Study to Determine Temperature Profile at a Primary Pipe Support and "Calrod" Spacer	Bigelow, C.	10/29/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2038	Trip Report to BuAer on October 23, 1959	Cole, P.	10/27/59	CDI
CNLM-2039	Report on Oxidation Resistance of Cb-Mo-Ti-Zr-Compositions	Krutenat, R.	10/27/59	U
CNLM-2040	Jacket Heat Transfer Test	Rosh, D.	10/23/59	U
CNLM-2040 (Supp. 1)	Jacket Heat Transfer Test Redesign	Rosh, D.	12/30/59	U
CNLM-2041	In-pile Capsule Sodium Samples	Parks, A.	10/27/59	U
CNLM-2041 (Rev. 1)	In-pile Capsule Sodium Samples	Parks, A.	1/4/60	U
CNLM-2041 (Rev. 3)	Oxygen Analysis of In-pile Capsule LM Samples	Reid, J.	11/25/60	U
CNLM-2042	Preliminary Report on the SR-150 Meeting at Los Alamos on October 21 and 22, 1959	Shaw, R.	10/28/59	CRD
CNLM-2043	Purchase Order 609116, Supplement 10	Parks, G.	10/28/59	U
CNLM-2044	Lithium Hydride-Organic Coolant Compatibility	Campbell, W.	10/26/59	CRD
CNLM-2045	Letter to R. Steele - Trans- mitting CNLM-1626, 1645, 1646	Milich, J.	10/26/59	CRD
CNLM-2046	Dollar Breakdown of the Various Tasks to be Performed Under the Navy Proposal for a Ground Test	Beardsley, G.	10/29/59	U
CNLM-2047	Answer to Information Requested in Memo Entitled "Information on L.M.C. Powerplants"	Strough, R.	10/29/59	CRD
CNLM-2048	Performance Group Progress Report for October, 1959	Shaw, R.	10/30/59	CRD
CNLM-2049	Revised Head Requirements and Liquid Metal Inventories for the Primary and Secondary Coolant Pumps	Bigelow, C.	10/29/59	CRD
CNLM-2050	Request for Reactor-Shield Study	Gray, W.	10/30/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2051	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NO AS 58-662-C	Schmickrath, B.	10/28/59	CRD
CNLM-2052	PWAR-11C Primary Pump Development Estimates for Calendar Year 1960 Per FSK-10101, Except Includes Only 4 Test Pumps in Item B/e	Elsaesser, F.	11/2/59	CRD
CNLM-2053	NT-16 Engine Radiator	Horan, J.	11/2/59	CRD
CNLM-2054	Proposed Program to Study Corrosion of Columbium Base Alloys	Freed, M.	1/20/60	CRD
CNLM-2056	Request for Reactor-Shield Study	Klingensmith, K.	11/3/59	CRD
CNLM-2057	Request for Reactor-Shield Study	Klingensmith, K.	11/3/59	CRD
CNLM-2058	FXM-4072, Supplement 1	Parks, A.	11/3/59	U
CNLM-2059	Development of Components for an Experimental, High Temperature, Lithium-Cooled Reactor, and Estimated Cost Breakdown	Mallett, L.	11/5/59	CRD
CNLM-2060	High Temperature Annealing Furnace	Leeper, H. Spinelli, F.	11/4/59	U
CNLM-2061	Effect of Exposure to Lithium of Fuel Pellets at High Temperatures	Parks, G.	11/3/59	U
CNLM-2070	As You are Probably Aware, We Have Had Discussions With A. S. Richardson Regarding a Method of Submitting Classified Data Pertaining to PW-18 and PW-21 Capsules	Love, L.	2/5/62	CRD
CNLM-2071	PW21-80 Series Capsules Dated July 26, 1961	Love, L.	8/1/61	CRD
CNLM-2072	PW-26-100 Series of Capsules	Love, L.	2/5/62	CRD
CNLM-2073	Capsules Described in TIM-699 Supplement 1 PW 26-200 Series Capsules	Love, L.	3/2/62	CRD
CNLM-2131	Request for Reactor-Shield Study	Gaffin, W.	11/5/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2132	Time Lapse Sequence of Radiator (Original Footage Commercial Extachrome)	Brown, G.	11/6/59	CRD
CNLM-2133	Effect of Load Rate on the Room Temperature Tensile Properties of Cb-1Zr Tubing	Lieberman, W.	11/2/59	U
CNLM-2134	Component Design Conditions for NT-16 A and B Powerplants	n.a.	11/10/59	CRD
CNLM-2135	Schedule and Cost Estimate for EOS Entitled Primary System Valves	Kelly, R.	11/10/59	CRD
CNLM-2136	Quaternary Alloy Cb 7Ti 3Al 3V Status of Investigation on Second Phase	Huegel, F.	11/9/59	U
CNLM-2137	Proposed Design and Development Testing Program for a Modified T-57 Engine	n.a.	11/11/59	CDI
CNLM-2138	Request for Design Change on TLK-100605 (10X Flow Model)	Bernstein, E.	11/11/59	U
CNLM-2139	Cost Estimate for PWAR-11C Experiment	Leon, J. Wilcox, R.	11/12/59	CRD
CNLM-2140	Variation of Homogeneity in Columbium-Titanium Alloys	Moroz, D.	12/1/59	U
CNLM-2141	Metallurgical Engineering Progress Report for October, 1959	Treciokas, V.	11/13/59	CRD
CNLM-2142	Thermocouples for Advanced In-pile Experiments	Parks, G.	11/10/59	CRD
CNLM-2143	Editing of J. W. Larson's Remarks Following His Paper Presented at the Second Symposium on Advanced Reactor Concepts	Larson, J.	11/9/59	U
CNLM-2144	Federal and State Regulations Relative to the Retention Tank System for the NTF and Past CANEL Experience With Similar Systems	Kerr, G.	11/16/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2145	Shielding Information Requested by North American Aviation	Johnson, H.	11/16/59	CRD
CNLM-2146	Design and Test of Bimetallic Corrosion Loops Simulating Powerplant Secondary Cooling Systems	Wesbecher, J.	11/13/59	CDI
CNLM-2147	Preliminary Design Criteria for CANEL Nuclear Test Facility	Heddon, D.	12/1/59	CRD
CNLM-2148	Progress Report - October, 1959	Strough, R.	11/11/59	CRD
CNLM-2149	Final Report - Project 1331 Cold Pressed Braze Rings	Rogers, S.	8/27/59	U
CNLM-2150	Anticipated Pratt and Whitney Irradiation Experiments	Strough, R.	11/18/59	CRD
CNLM-2151	Trip to National Metal Congress and Exposition in Chicago, November 3 & 4, 1959	Lieberman, W.	11/16/59	U
CNLM-2152	Corrosion Program Contaminated Liquid Metal	Kelly, K.	11/19/59	CDI
CNLM-2153	Sketch of Pieces and the Assembly of Curved BeO Pieces	Kennedy, W.	11/19/59	CRD
CNLM-2154	Diffusion of Xenon in Columbium	Gregory, D. Leavenworth, H.	11/27/59	U
CNLM-2155	Materials Laboratory Progress Report for October, 1959	Raring, L.	11/18/59	CRD
CNLM-2156	UC Solid Solution Fuels	DeCrescente, M.	11/17/59	CRD
CNLM-2157	Design of Core Boundary	Bigelow, C.	11/27/59	CRD
CNLM-2158	Final Report - Project 1935 Disassemble Outer Reactor Cover by Machining	Goodin, L.	11/27/59	U
CNLM-2159	CANEL Reports Sent to the Airplane Companies in 1959	Gaffin, W.	11/27/59	U
CNLM-2160	Estimated Development Schedule	n.a.	11/27/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2161	To Outline the Schedule Which We Anticipate for Operation of Future PW-19 Forced Convection Liquid Metal In-pile Loop Experiments	Parks, G.	11/27/59	CRD
CNLM-2162	Estimated Development Schedule TWIX via HARAO-AEC	Holtsinger, C.	11/30/59	CRD
CNLM-2163	Materials Engineering Meeting November 25, 1959	Raring, L.	11/30/59	CRD
CNLM-2164	Off-line Preparation of Bendix Intercom 1000 Programs	Schmidt, R.	12/7/59	U
CNLM-2165	Columbium-1 Zirconium Tubing as Monitors in Inert Gas Chamber, X-582	Abrams, E.	12/8/59	CRD
CNLM-2166	Productibility of an Alloy of Columbium With One Percent Zirconium	Raring, L.	12/22/59	U
CNLM-2167	Operating Instructions for X-885	Bernstein, E.	12/4/59	U
CNLM-2168	Data Desired From Test of the Primary Piping Jacket Specimen	Bigelow, C.	12/7/59	U
CNLM-2169	Allowable Percent Air in the Argon Atmosphere of the Containment Vessel on the NTF	Wallace, M.	12/3/59	CRD
CNLM-2170	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NO AS 58-662C	Schmickrath, B.	12/3/59	CRD
CNLM-2171	Final Report - Project 247 Pickling Columbium	Goodin, L.	12/3/59	U
CNLM-2172	Materials Engineering Meeting December 2, 1959	Treciokas, V. Kelly, K.	12/7/59	CRD
CNLM-2173	Accountability of FXM-2758 Supplement D, FXM-2758 Supplement E, FXM-3139, Supplement 1	Kepple, R.	12/7/59	U
CNLM-2174	Notes on the First In-pile Loop Experiment	Parks, G.	12/7/59	CRD
CNLM-2175	Request for Classified Correspondence Clearance	DeCrescente, M.	12/7/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2176	Operating Parameters for the Ceramic Mark II Fuel Element Assembly	Tarasewich, A.	2/1/59	CRD
CNLM-2176 (Supp. 1)	Operating Parameters for the Ceramic Mark IV Fuel Element Test Assembly	Tarasewich, A.	7/19/59	CRD
CNLM-2177	Application of Hilbert V. Schenck, Jr., for Thermal Scheme	n.a.	12/21/59	SRD
CNLM-2178	Welding ... on Fuel Elements	Tierney, J.	11/14/59	U
CNLM-2179	Metallurgical Engineering Progress Report for November, 1959	Treciokas, V.	12/8/59	CRD
CNLM-2180	Oxidation Laboratory Test Results October, 1959	Krutenat, R.	12/11/59	CRD
CNLM-2181	Upgrading Classification of Documents	Beardsley, G.	12/9/59	CRD
CNLM-2182	Shielding Measurements Required on the PWAR-11C Reactor for the 10 MW Test	Woodsum, H.	12/11/59	U
CNLM-2183	Materials Engineering Meeting December 9, 1959	Treciokas, V. Kelly, K.	12/10/59	CRD
CNLM-2184	Test Reactor Instrumentation	Schaefer, R.	12/11/59	CRD
CNLM-2184 (Supp. 1)	Test Reactor Instrumentation	Schaefer, R.	3/7/60	CRD
CNLM-2184 (Supp. 2)	Test Reactor Instrumentation	Schaefer, R.	6/9/60	CRD
CNLM-2185	Partial Listing of Convair Questions From CNLZ's 260-261	n.a.	12/16/59	CRD
CNLM-2187	Materials Laboratory Progress Report for November, 1959	Raring, L.	12/15/59	CRD
CNLM-2188	Experimental Studies of the Solubility of Noble Gases in Liquid Metals	Kapelner, S.	12/17/59	U
CNLM-2189	Estimated Performance of NJ-58 Engine	Larson, J.	12/16/59	CDI

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2190	Nuclear J-58 Powerplant Weights, Dimensions, and Radiation Patterns	Gaffin, W.	12/16/59	CRD
CNLM-2191	Shield Weights for Reactors With Horizontal Axes and Shared Shields Designed to Give Dose Patterns Specified by Convair	Kennedy, W.	12/17/59	CRD
CNLM-2191 (Supp. 1)	Changes in CNLM-2191 to Clarify the Meaning of the Report and to Correct Information That is in Error	Woodsum, H.	1/18/60	CRD
CNLM-2192	Performance Data for 1600 F NaK Radiator	Larson, J.	12/16/59	CRD
CNLM-2193	Reports CNLM-2189, CNLM-2190, and CNLM-2185 - Transmittal Letter	Holtsinger, C.	12/16/59	CRD
CNLM-2194	CANEL Standards Laboratory Equipment and Procedures	Bliss, P.	12/23/59	U
CNLM-2195	Progress Report - November, 1959	Strough, R.	12/17/59	CRD
CNLM-2196	Materials Engineering Meeting December 16, 1959	Treciokas, V. Kelly, K.	12/18/59	CRD
CNLM-2197	Safety Circuit Tabulation	Bigelow, C.	12/17/59	CRD
CNLM-2198	Nuclear Powerplant Component Design and General Arrangement	Larson, J.	12/18/59	CDI
CNLM-2199	Asymptotic Solution of Transport Equation in Absorbing Medium	Kvick, P.	12/22/59	U
CNLM-2200	Data on Nuclear J-58 Hot Day Per- formance and Reactor and Shield Information on a ... Reactor, ... J-58 Engine Powerplant	Holtsinger, C.	12/21/59	CRD
CNLM-2202	Request for Reactor-Shield Study	Gray, W.	12/30/59	CRD
CNLM-2203	Presentation to Mr. Benjamin Pinkel of the Rand Corporation Dated 12/23/59	n.a.	2/17/60	CRD
CNLM-2204	Summary of Cost, September, 1959 Contracts AF 33-038-27341 No AS 58-662C and AT 11-1-229	n.a.	12/22/59	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2205	Analysis of Amounts Invoiced Navy	n.a.	12/22/59	U
CNLM-2206	Analysis of Amounts - AEC	n.a.	12/22/59	U
CNLM-2207	Analysis of Amounts Invoiced - AF	n.a.	12/22/59	U
CNLM-2208	Engineering and Development AEC	n.a.	12/22/59	U
CNLM-2209	PW-102 Pilot Radiator Header and Manifold Stress Test Model	Daddario, A.	12/22/59	U
CNLM-2210	PWAR-11C Reactor Development Event List	n.a.	12/23/59	CRD
CNLM-2211	Milestone List No. 1	n.a.	12/23/59	CRD
CNLM-2212	Materials Engineering Meeting December 21, 1959	Treciokas, V. Kelly, K.	12/28/59	CRD
CNLM-2213	Teletype Sent to Major Wilson, D.C. TWX No. S-3709 "Schedules and Cost Estimates Associated With Operation of the Experi- mental Lithium-Cooled Reactor at the NRTS"	Holtsinger, C.	12/28/59	CRD
CNLM-2214	Multi-scale Flow Model (4909M-2)	Bernstein, E.	1/26/60	U
CNLM-2215	Contract NO as 58-662-C	Beardsley, G.	12/28/59	CRD
CNLM-2216	Performance Group Progress Report for November, 1959	Shaw, R.	12/3/59	CDI
CNLM-2217	Complete Standard Day Engine Performance for Nuclear Heat Operation of the P&WA J-58 Turbojet has Been Estimated and is Contained in FXD-460 and FXD-461	Holtsinger, C.	12/28/59	CRD
CNLM-2218	Trip to ARS Convention in Washington, November 18-19	Muller, G.	12/30/59	CRD
CNLM-2219	PWAR-11C Reactor Experiment Development Schedule	n.a.	12/30/59	CRD
CNLM-2220	Classification of Power Level for PWAR-11C	Miller, J.	12/30/59	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2221	Oil Flow Control Orifices for Primary Pump	Donnelly, L.	1/26/60	U
CNLM-2222	In-pile Capsule Burnup Specimens	Parks, A.	12/31/59	U
CNLM-2223	Materials Engineering Meeting December 30, 1959	Cleary, R.	12/31/59	CRD
CNLM-2224	Status of the Navy Program	Kelly, R.	12/31/59	CDI
CNLM-2225	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NOas 58-662-C	Schmickrath, B.	12/31/59	CRD
CNLM-2227	Hard-Surfacing Mo-0.5 Ti With Fe7Mo6	Fishman, M.	1/29/60	U
CNLM-2228	Forecast of Nuclear Materials Requirements - Fourth Revision Fiscal Year 1960 Enriched Uranium	n.a.	1/4/60	CRD
CNLM-2229	Forecast of Nuclear Materials Requirements - Fourth Revision U-233	n.a.	1/4/60	U
CNLM-2230	Forecast of Nuclear Materials Requirements - Fourth Revision Normal Uranium	n.a.	1/4/60	U
CNLM-2231	Forecast of Nuclear Materials Requirements - Fourth Revision Plutonium	n.a.	1/4/60	U
CNLM-2232	Performance Group Progress Report for December, 1959	Shaw, R.	1/5/60	CRD
CNLM-2233	Fuel Element Analog Temperature Study	Kudirka, A.	1/5/60	U
CNLM-2234	AEC Fiscal Year 1960 Mid Year Review - Summary of Costs and Obligations for Operations	n.a.	1/6/60	CRD
CNLM-2235	In-pile Capsules for Temperature Calibration	Parks, A. Bilharz, O.	1/6/60	CRD
CNLM-2236	Welding and Brazing Committee Meeting January 4, 1960	Lea, K.	1/11/60	U
CNLM-2237	Materials Engineering Meeting January 6, 1960	Treciokas, V.	1/8/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2238	Work Statement for RPO-418486 to Purchase BeO Sections	Shoosan, R.	1/14/60	UWD
CNLM-2238 (Rev. 1)	Work Statement for RPO-418486 to Purchase BeO Section	Shoosan, R.	4/13/60	UWD
CNLM-2238 (Rev. 2)	Changes for Vendor	Burns, D.	11/7/60	CRD
CNLM-2238 (Rev. 3)	Changes to Items 1 and 2	Burns, D.	12/1/60	CRD
CNLM-2238 (Rev. 4)	Changes for Vendor to Work	Burns, D.	1/31/61	CRD
CNLM-2239 (Vol. 1)	Proposal for Design Study and Development of a 300 Kw Nuclear Mechanical Power System	Klingensmith, K.	1/28/60	CRD
CNLM-2239 (Vol. 2)	Proposal for Design Study and Development of a 300 Kw Nuclear Mechanical Power System	Klingensmith, K.	1/28/60	CRD
CNLM-2239 (Vol. 3)	Proposal for Design Study and Development of a 300 Kw Nuclear-Mechanical Power System	Klingensmith, K.	1/28/60	U
CNLM-2240	P&WA Nuclear J58 Turbojet Engine Powerplant Characteristics Summaries	Larson, J.	1/8/60	CRD
CNLM-2241	Request for Reactor-Shield Study	Larson, J.	1/26/60	CRD
CNLM-2242	Meeting of CANEL Welding and Brazing Committee January 5, 1960	Lea, K.	1/12/60	U
CNLM-2243	AF Proposal Costs	Shaw, R.	1/12/60	U
CNLM-2244	Weld Shrinkage Charts (AMS 5524-Stainless Steel)	Lea, K.	1/18/60	U
CNLM-2245	Reactor Fuel Burnup Analysis Report	Fornwalt, D.	1/13/60	CRD
CNLM-2246	Metallurgical Engineering Progress Report for December, 1959	Treciokas, V.	1/14/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2247	Materials Engineering Meeting January 13, 1960	Treciokas, V.	1/15/60	CRD
CNLM-2248	Answers to North American Aviation Questions	Perry, P.	1/18/60	CRD
CNLM-2249	P&WA Nuclear J58 Turbojet Engine Performance Variation With Radiator Diameter	Larson, J.	1/15/60	CRD
CNLM-2250	P&WA Nuclear J58 Turbojet Engine Estimated TSFC at Partial Interburning, Mach 0.95, Sea Level	Larson, J.	1/15/60	CRD
CNLM-2251	In the Attached Package, You Will Find 800 of Exposed But Unprocessed Film Which is the Footage on the Reactor Model Description of PWAR-11 Reactor	Brown, R.	1/15/60	CRD
CNLM-2252	Progress Report - December, 1959	Strough, R.	1/15/60	CRD
CNLM-2254	Summary of Cost - October, 1959 Contracts AF 33-038-27341, No AS 58-662C and AT 11-1-229	n.a.	1/19/60	U
CNLM-2255	Engineering and Development Contract AT 11-1-229 October, 1959	n.a.	1/19/60	U
CNLM-2256	Analysis of Amounts Invoiced Contract No. As 58-662C - October, 1959	n.a.	1/19/60	U
CNLM-2257	Analysis of Amounts Invoiced Contract AF 33-038-27341 - October, 1959	n.a.	1/19/60	U
CNLM-2258	Analysis of Amounts Invoiced Contract AT 11-1-229 October, 1959	n.a.	1/19/60	U
CNLM-2259	Design Change on Heat Exchanger Assembly (HE-12CL)	Randall, D.	1/20/60	U
CNLM-2260	Manufacturing Estimate for the 300 Kw Nuclear Mechanical Power System LK-100686	Nimmons, J.	1/22/60	SRD
CNLM-2260 (Rev. 1)	Manufacturing Estimate for the 300 Kw Nuclear Mechanical Power System LK-100686	Nimmons, J.	1/22/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2261	Testing of Advanced Fuel Element Test Specimens	Parks, A.	1/20/60	CRD
CNLM-2261 (Rev. 1)	Testing of Advanced Fuel Element Test Specimens	Parks, A.	3/14/60	CRD
CNLM-2261 (Rev. 2)	Testing of Advanced Fuel Element Test Specimens	Parks, A.	4/5/60	CRD
CNLM-2262	Interim Report - Project 241 Machinability of Molybdenum- Lathe Turning	n.a.	1/20/60	U
CNLM-2263	Information Requested Regarding Powerplants	Beardsley, G.	1/22/60	CRD
CNLM-2264	Materials Engineering Meeting January 20, 1960	Treciokas, V. Kelly, K.	1/22/60	CRD
CNLM-2265	Evaluation of Cb-5Zr Alloy as a Weld Filler for Wrought Cb-1Zr Material - Mechanical Properties	Spinelli, F.	1/22/60	CRD
CNLM-2266	Request for Reactor-Shield Study	Gaffin, W.	1/25/60	CRD
CNLM-2267	Bleed Air Cooling Passage for PW-102 Radiator	Arnstein, R.	1/22/60	U
CNLM-2268	Materials Laboratory Progress Report	Raring, L.	1/22/60	CRD
CNLM-2269	Design Studies Concerning Control Drum Drive Mechanism	Parks, G.	1/22/60	CRD
CNLM-2270	Corrosion Investigation of Type 316 From Bench Test In-pile Loop Operated in NaK	Grossman, H.	2/8/60	U
CNLM-2271	Request for Quotation No. 418486	Beardsley, G.	1/25/60	CRD
CNLM-2272	Request for Quotation No. 418486	Beardsley, G.	1/25/60	CRD
CNLM-2273	Request for Quotation No. 418486	Beardsley, G.	1/25/60	CRD
CNLM-2274	Request for Reactor-Shield Study	Johnson, H.	3/3/60	CRD
CNLM-2275	Control Rod Drive Development Program Outline, January 13, 1960 Through February 26, 1960	Parks, G.	1/26/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2276	Pratt and Whitney Aircraft Nuclear J58 Turbojet Engine Performance of ... NaK Radiator Derated...	n.a.	1/29/60	CRD
CNLM-2277	List of Configurations to be Tested at ORNL Lid Tank Shielding Facility	Kennedy, W.	1/28/60	CRD
CNLM-2278	Powerplant Installation and Servicing for the Convair CAMAL and North American B-70	Gaffin, W.	2/1/60	CRD
CNLM-2279	Pratt and Whitney Aircraft Nuclear J-58 Turbojet Engine Nuclear Chemical Operation With Maximum Interburning	Larson, J.	1/28/60	CDI
CNLM-2280	Engineering Proposal for Design and Development Work on a Nuclear Turbojet Propulsion Unit - Prepared for Aircraft Nuclear Propulsion Office	Schmickrath, B.	3/3/60	CDI
CNLM-2281	Mechanical Properties of Type 316 Stainless Steel after Diffusion Bonding	Stewart, J.	1/29/60	U
CNLM-2282	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NOas 58-662-C	Schmickrath, B.	1/28/60	CRD
CNLM-2283	Pratt and Whitney Aircraft Nuclear J-58 Turbojet Engine Performance Variation With Radiator Diameter	Larson, J.	2/1/60	CRD
CNLM-2284	Enclosure of Powerplant Information	Beardsley, G.	1/28/60	U
CNLM-2285	Powerplant Information for North American Aviation Nuclear Airplane Evaluation Studies	Beardsley, G.	1/29/60	U
CNLM-2286	Materials Engineering Meeting January 27, 1960	Treciokas, V.	2/2/60	CRD
CNLM-2287	Reactor Pressure Vessel, Elastic Stresses, 200 MW Conditions, (Fig. 4 From PWAC-594)	Greenstreet, E.	1/29/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2288	Monthly Progress Report for January, 1960	Parks, A.	2/1/60	CRD
CNLM-2288 (Supp. 1)	Monthly Progress Report for February, 1960	Parks, A.	3/2/60	CRD
CNLM-2288 (Supp. 2)	Monthly Progress Report for March, 1960	Parks, A.	3/29/60	CRD
CNLM-2288 (Supp. 3)	Monthly Progress Report for April, 1960	Parks, A.	4/26/60	CRD
CNLM-2288 (Supp. 4)	Monthly Progress Report for May, 1960	Parks, A.	6/2/60	CRD
CNLM-2288 (Supp. 5)	Monthly Progress Report for June, 1960	Parks, A.	7/12/60	CRD
CNLM-2288 (Supp. 6)	Monthly Progress Report for July, 1960	Parks, A.	8/5/60	CRD
CNLM-2288 (Supp. 7)	Monthly Progress Report for August, 1960	Parks, A.	8/31/60	CRD
CNLM-2288 (Supp. 9)	Monthly Progress Report for October, 1960	Parks, A.	11/7/60	CRD
CNLM-2288 (Supp. 10)	Monthly Progress Report for Month of November, 1960	Parks, A.	12/9/60	CRD
CNLM-2288 (Supp. 11)	Monthly Progress Report for December, 1960	Parks, A.	1/4/61	CRD
CNLM-2288 (Supp. 12)	Monthly Progress Report for January, 1961	Parks, A.	2/14/61	CRD
CNLM-2288 (Supp. 12A)	Monthly Progress Report for January, 1961	Parks, A.	2/2/61	CRD
CNLM-2288 (Supp. 13)	Monthly Progress Report for February, 1961	Parks, A.	3/10/61	CRD
CNLM-2288 (Supp. 14)	Monthly Progress Report for March, 1961	Parks, A.	4/17/61	CRD
CNLM-2288 (Supp. 15)	Monthly Progress Report for April, 1961	Parks, A.	5/3/61	CRD
CNLM-2288 (Supp. 16)	In-pile Capsule Testing and Evaluation	Parks, A.	6/7/61	SRD
CNLM-2288 (Supp. 17)	Progress Report, Month of June, 1961	Parks, A.	7/20/61	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2289	Interim Report - Project 1066, The Consumable and Non-Consum- able Electrode Automatic Fusion Welding of Arc-Cast Columbium- .75% Zirconium, in Thickness Ranges of .020 to .600 With the Use of Filter Bearing Gas Diffu- sion Trailers for Atmosphere Protection	n.a.	3/8/60	CRD
CNLM-2290	Status Report on Cb-1% Zr Tube to Header Joint Development Program	Randall, D.	2/2/60	CRD
CNLM-2290 (Supp. 1)	Status Report on Cb-1% Zr Tube to Header Joint Development Program	Randall, D.	2/19/60	CRD
CNLM-2290 (Supp. 2)	Status Report on Cb-1Zr Tube- to-Header Joint Development Program	Randall, D.	10/10/60	CRD
CNLM-2291	Component Development Schedule of EOS 19 and 20	Hilley, M.	2/2/60	U
CNLM-2292	Analysis of Amounts Invoiced Contract AF 33-038-27341 November, 1959	n.a.	2/2/60	U
CNLM-2293	Analysis of Amounts Invoiced Contract No AS 58-662C November, 1959	n.a.	2/2/60	U
CNLM-2294	Engineering and Development Contract AT 11-1-229 Commit- ment Status, November, 1959	n.a.	2/2/60	U
CNLM-2295	Analysis of Amounts Invoiced Contract AT 11-1-229 November, 1959	n.a.	2/2/60	U
CNLM-2296	Summary of Cost, November, 1959 Contracts AF 33-038-27341 NO AS 58-662C and AT 11-1-229	n.a.	2/2/60	U
CNLM-2297	Performance Group Progress Report for January, 1960	n.a.	2/2/60	CRD
CNLM-2298	Met Job 2121 Dissimilar Metal Weld 316 SS to Vanadium to Cb-1Zr Operated in NaK Corrosion Loop NOSE-1A1 250 Hours at 1200°F	Huegel, F.	2/2/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2299	Revised Estimated Cost for the Design, Fabrication, and Operation of an Experimental Lithium-Cooled Reactor	n.a.	2/9/60	U
CNLM-2300	Summary of Data Presented by Pratt and Whitney Aircraft at the ANPO Meeting - Germantown, Maryland	n.a.	3/2/60	CRD
CNLM-2301	Report of Visit to Florida Operations Pratt and Whitney Aircraft	Gray, W.	2/5/60	CDI
CNLM-2302	Reactor Fuel Burnup Analysis Report	Fornwalt, D.	2/3/60	CRD
CNLM-2303	Pratt and Whitney Aircraft Nuclear J-58 Turbojet Engine Nuclear Chemical Operation With Maximum Interburning	Larson, J.	2/4/60	CRD
CNLM-2304	Fuel Element Fission Gas Retention Data	n.a.	2/4/60	SRD
CNLM-2305	Materials Engineering Meeting February 3, 1960	Treciokas, V. Kelly, K.	2/5/60	CRD
CNLM-2305 (Supp. 2)	Materials Engineering Meeting February 24, 1960	Treciokas, V. Kelly, K.	2/29/60	CRD
CNLM-2306	Licensing Agreement With United Shoe Machinery Corporation	Parks, G.	2/4/60	CRD
CNLM-2307	Air Force Proposal Engineering Proposal for Support of Additional Research and Development Work on Materials and Propulsion Equipment Components of Aircraft Nuclear Propulsion Systems	Walton, J.	2/15/60	CRD
CNLM-2307 (Supp. 1)	Transmittal Letter and Page Changes in CNLM-2307	Schmickrath, B.	3/21/60	CRD
CNLM-2308	Metallurgical Engineering Progress Report for January, 1960	Treciokas, V.	2/8/60	CRD
CNLM-2309	Progress Report-Control Drum Drive for the Month of January, 1960	Parks, G.	2/5/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2310	Report of JT-11 Engine Data Received From Florida Operations	Larson, J.	2/9/60	CDI
CNLM-2311	Contract NOas 58-662C	Begg, R.	2/8/60	CRD
CNLM-2313	Control Drum Drive Speeds	Parks, G.	2/9/60	CRD
CNLM-2314	Power Supply Requirements for the PWAR-11C Heat Exchanger Test	Overman, A.	2/11/60	CRD
CNLM-2315	CANEL Welding and Brazing Com- mittee Meeting February 2, 1960	Lea, K.	2/9/60	U
CNLM-2316	Request for Reactor-Shield Study	Gaffin, W.	2/15/60	CRD
CNLM-2317	Metallographic Examination of 16 Compatibility Specimens Which Were Placed in Type 304 Stainless Steel Containers, Evacuated, Sealed and Run for 100, 150, and 500 Hours at 2000-2200F in Argon	Whittles, J.	2/10/60	CRD
CNLM-2318	Progress Report - January, 1960	Strough, R.	2/15/60	CRD
CNLM-2319	Materials Laboratory Progress Report for January, 1960	Raring, L.	2/10/60	CRD
CNLM-2321	Second Report as to Reports, Inventions, Subcontracts, and Notebooks	n.a.	2/12/60	CRD
CNLM-2322	PWAR-11C Reactor Test Installation Requirements	n.a.	2/11/60	CRD
CNLM-2322 (Rev. A)	PWAR-11C Reactor Test Installation Requirements	Schaefer, R.	7/8/60	SRD
CNLM-2322 (Rev. B)	PWAR-11C Reactor Test Facility (RTF) Requirements	Schaefer, R.	8/11/60	CRD
CNLM-2322 (Rev. C)	Revision to CNLM-2322	Schaefer, R. Dreisbach, R.	10/27/60	CRD
CNLM-2323	Fifty-three Inch Diameter ... NaK Radiator for NAA	n.a.	2/11/60	U
CNLM-2324	SR-170 Radiator Weight and Size Estimate-Final Report Project 1817	Rice, A.	2/25/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2325	Coin Trepanned Weld Preparation- Final Report Project 2411	Barker, W.	2/12/60	U
CNLM-2326	Cold Machining of Columbium Using Liquid Argon as a Coolant	n.a.	2/12/60	U
CNLM-2327	Cold Machining of Molybdenum Utilizing a Solution of Trichlor- ethylene and Stoddard Solvent	Goodin, L.	2/12/60	U
CNLM-2328	Work on a Preliminary Hazards Summary Report for Testing the PWAR-11C	Holtsinger, C.	2/15/60	CRD
CNLM-2329	FXM-4304 and FXM-4303, Supplement 1	n.a.	2/15/60	U
CNLM-2330	Rough Draft Proposal JPN-11	Kelly, R.	2/16/60	CRD
CNLM-2331	Final Report - Project 1724 Ballize or Burnish Holes in Columbium Alloys	Barker, W.	2/15/60	U
CNLM-2332	Confirmation of Information Given to Mr. Leach, North American Aviation, by John Larson, P&WA CANEL on February 12	Holtsinger, C.	2/16/60	CRD
CNLM-2333	Liquid Cycle Reactor - Advanced Applications - Research and Development Schedule for the Period January 1, 1960 Through January 31, 1960	Holtsinger, C.	2/18/60	CRD
CNLM-2334 (Rough Draft)	P&WA Plan for the Engineering and Development of the Heat Transfer System and Propulsion Machinery for Nuclear Aircraft Powerplants	n.a.	2/17/60	CRD
CNLM-2335	Shielding Calculations Made by CANEL and Convair	Beardsley, G.	2/17/60	CRD
CNLM-2336	Estimated Weights of 300 Kw Nuclear Mechanical Power System	Manning, R.	2/23/60	CRD
CNLM-2337	Estimated Weights of 52" Diameter Engine Installation	Manning, R.	2/23/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2339	Current Engineering Order Supplements Applicable to Contract AT 11-1-229	n.a.	2/18/60	CRD
CNLM-2340	Convair Powerplant	Shaw, R.	2/23/60	U
CNLM-2341	Power Capacity of the Transformer Rectifier Equipment	Holtsinger, C.	2/23/60	CRD
CNLM-2342	Upgrading of FXM-2758, Suppls. B, C, D, E, and FXM-3139, Suppls. 1 and 2	Beardsley, G.	2/23/60	CRD
CNLM-2343	Corrosion Tests of Overaged Cb-1Zr Alloy Welds	Freed, M.	2/23/60	CRD
CNLM-2344	Request for Reactor-Shield Study	Gray, W.	2/25/60	CRD
CNLM-2345	Interim Report - Project 1815 Develop Eloxig Data Pertinent to Fabricating Molybdenum, Tinadure, Haynes 25, Columbium-1% Zirconium and Tungsten	Barker, W.	2/23/60	U
CNLM-2346	Cb-1Zr Welds Made in Air Contaminated Atmospheres Pretest vs. Posttest Lithium	Huegel, F.	3/2/60	CRD
CNLM-2347	Information Requested From the Advanced Preliminary Reactor Design Group by Messrs. R.E. Smith and R. Boyles of Lockheed During Their Visit to CANEL on February 16, 1960 is Provided in This Report	Perry, P.	3/7/60	CRD
CNLM-2348	Summary of Meeting Between ORNL and PWA on February 17, 1960 to Resolve Data on Agine Effects in Columbium-1% Zirconium Alloy	Rowe, G.	2/26/60	U
CNLM-2349	Transmittal of Latest Powerplant Information - (9 Enclosures)	Beardsley, G.	2/25/60	CRD
CNLM-2350	Reply to CNLZ-288	Patton, W.	2/26/60	CRD
CNLM-2351	Memos Dated January 12, 1960 and February 16, 1960 Reference Air Force Contract Development Schedules	Shaw, R.	2/26/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2352	Milestones of ANP Development Program for North American's B-70	Shaw, R.	2/26/60	CRD
CNLM-2353	Interim Report on Decontamination of Lithium Coated Columbium Columbium-1 Zirconium and Columbium-20 Titanium Alloys in Various Reagents	Grossman, H.	3/11/60	CRD
CNLM-2354	Preliminary Subsystems Data for NJ-18 Powerplant	n.a.	2/29/60	CRD
CNLM-2354 (Supp. 1)	Preliminary Subsystems Data For NJ-18 Powerplant	Andrews, N.	4/20/60	CRD
CNLM-2355	Analysis of Amounts Invoiced Contract AF 33-600-40548	n.a.	2/25/60	U
CNLM-2356	Analysis of Amounts Invoiced Contract AF 33-038-27341 December, 1959	n.a.	2/25/60	U
CNLM-2357	Analysis of Amounts Invoiced Contract AT 11-1-229 December, 1959	n.a.	2/25/60	U
CNLM-2358	Analysis of Amounts Invoiced Contract AS 58-662C December, 1959	n.a.	2/25/60	U
CNLM-2359	Summary of Cost - December, 1959 Contracts AF 33-038-27341, NO AS 58-662C and AT 11-1-229 and AF 33-600-40548	n.a.	2/25/60	U
CNLM-2360	Engineering and Development Contract No. AF 33-600-40548 Commitment Status, December, 1959	n.a.	2/25/60	U
CNLM-2361	Preliminary Ground Handling Concepts for the NJ-18 Powerplant	Gaffin, W.	2/29/60	U
CNLM-2362	Classification of Photographs	Miller, J.	3/1/60	U
CNLM-2363	Transmittal of Documents on Powerplant Subsystems, Installation and Ground Handling	Beardsley, G.	2/29/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2364	Design of a Bearing Test Rig	Smith, A.	2/29/60	CRD
CNLM-2365	Monthly Progress Report Under AEC Contract AT 11-1-229 and Navy Contract NO AS 58-662C	Schmickrath, B.	2/29/60	CRD
CNLM-2366	Request for Reactor-Shield Study	Gaffin, W.	3/2/60	CRD
CNLM-2367	Test Operator's Instructions for the Air Laboratory (Preliminary)	Turner, G.	2/7/60	U
CNLM-2368	Test Program for Heat PGVE	Rowe, G.	3/1/60	CRD
CNLM-2369	Request for Scrap Evaluation	Beardsley, G.	3/1/60	U
CNLM-2370-1	A List of Unclassified CANEL Reports on Beryllium, Chromium, Molybdenum, Niobium, Tantalum, Titanium and Tungsten	Cernak, E.	2/25/60	U
CNLM-2370-2	Hydrides of Titanium, Yttrium, and Zirconium	Cernak, E.	5/11/60	U
CNLM-2370-3 (Part I)	Space Propulsion and Auxiliary Power Units	Cernak, E.	8/3/60	U
CNLM-2370-3 (Part II)	Space Propulsion and Auxiliary Power Units	Cernak, E.	8/9/60	CRD
CNLM-2370-3 (Part I) (Supp. 1)	Space Propulsion and Auxiliary Power Units	Cernak, E.	1/25/61	U
CNLM-2373	Comments on the Possible Use of Beryllium Oxide-Beryllium Compositated as Reflector Materials in Proposed P&WA Reactors	Strough, R.	3/2/60	CRD
CNLM-2374	Facility Nomenclature	Hedden, D.	3/2/60	U
CNLM-2375	Performance Group Progress Report for February, 1960	Shaw, R.	3/3/60	CRD
CNLM-2376	Developmental Alloys	Clough, W.	3/3/60	CRD
CNLM-2377	Shielding	Beardsley, G.	3/3/60	CRD
CNLM-2378	Design of LCCBM and LCCBN Loops	Coyle, G.	3/8/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2379	Outline of Initial Test Runs for 5016M-1 in the Air Laboratory	Luvisi, F.	3/8/60	U
CNLM-2380	Closing Out Facility Clearance at Lithium Corporation of America, Inc.	Beardsley, G.	3/8/60	U
CNLM-2381	Materials Engineering Meeting March 3, 1960	Treciokas, V. Kelly, K.	3/8/60	CRD
CNLM-2381 (Supp. 2)	Materials Engineering Meeting March 9, 1960	Treciokas, V. Kelly, K.	3/15/60	CRD
CNLM-2381 (Supp. 3)	Materials Engineering Meeting March 16, 1960	Treciokas, V. Kelly, K.	3/22/60	CRD
CNLM-2381 (Supp. 4)	Materials Engineering Meeting March 23, 1960	Treciokas, V. Kelly, K.	3/28/60	CRD
CNLM-2381 (Supp. 5)	Materials Engineering Meeting March 30, 1960	Treciokas, V. Kelly, K.	4/1/60	CRD
CNLM-2381 (Supp. 6)	Materials Engineering Meeting April 6, 1960	Treciokas, V. Kelly, K.	4/11/60	CRD
CNLM-2381 (Supp. 7)	Materials Engineering Meeting April 13, 1960	Treciokas, V. Kelly, K.	4/19/60	CRD
CNLM-2381 (Supp. 8)	Materials Engineering Meeting April 20, 1960	Treciokas, V. Kelly, K.	4/22/60	CRD
CNLM-2381 (Supp. 9)	Materials Engineering Meeting April 27, 1960	Treciokas, V. Kelly, K.	5/2/60	CRD
CNLM-2381 (Supp. 10)	Materials Engineering Meeting May 4, 1960	Treciokas, V. Kelly, K.	5/6/60	CRD
CNLM-2381 (Supp. 11)	Materials Engineering Meeting May 11, 1960	Treciokas, V. Kelly, K.	5/16/60	CRD
CNLM-2381 (Supp. 12)	Materials Engineering Meeting May 25, 1960	Treciokas, V. Kelly, K.	5/31/60	CRD
CNLM-2381 (Supp. 13)	Materials Engineering Meeting June 15, 1960	Treciokas, V. Kelly, K.	7/1/60	CRD
CNLM-2381 (Supp. 14)	Materials Engineering Meeting July 6, 1960	Hirakis, E.	7/19/60	CRD
CNLM-2381 (Supp. 15)	Materials Engineering Meeting July 27, 1960	Treciokas, V. Kelly, K.	8/17/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2381 (Supp. 16)	Materials Engineering Meeting 9/7/60	Treciokas, V. Kelly, K.	9/22/60	U
CNLM-2381 (Supp. 17)	Materials Engineering Meetings September 28 and October 12, 1960	Treciokas, V. Kelly, K.	11/1/60	CRD
CNLM-2381 (Supp. 18)	Materials Engineering Meeting October 26, 1960	Treciokas, V. Kelly, K.	11/4/60	CRD
CNLM-2381 (Supp. 19)	Materials Engineering Meeting 11/16/60	Treciokas, V. Kelly, K.	11/25/60	CRD
CNLM-2381 (Supp. 20)	Materials Engineering Meeting November 30, 1960	Treciokas, V. Kelly, K.	12/5/60	CRD
CNLM-2381 (Supp. 21)	Materials Engineering Meeting December 14, 1960	Treciokas, V. Kelly, K.	1/5/61	CRD
CNLM-2381 (Supp. 22)	Materials Engineering Meeting January 4, 1961	Spinelli, F.	3/15/61	CRD
CNLM-2381 (Supp. 24)	Materials Engineering Meeting 2/15/61	Treciokas, V. Kelly, K.	3/2/61	CRD
CNLM-2381 (Supp. 25)	Materials Engineering Meeting March 8, 1961	Spinelli, F.	4/4/61	CRD
CNLM-2382	Control System Installation Data for NJ-18 Powerplant	Cole, P.	3/9/60	U
CNLM-2383	Nondestructive Testing - Tube to Header Sheet Joints, Stain- less Steel Type 316	Muszynski, R.	5/26/60	U
CNLM-2384	Meeting of the CANEL Welding and Brazing Committee Held March 1, 1960	Lea, K.	3/9/60	U
CNLM-2385	Progress Report - February, 1960	Strough, R.	3/11/60	CRD
CNLM-2386	Metallurgical Engineering Progress Report for February, 1960	Treciokas, V.	3/10/60	CRD
CNLM-2387	Comments on Possible Operational Arrangements to Provide Facilities for Testing the PWAR-11C Experi- mental Reactor at the National Reactor Testing Station, Idaho	Holtsinger, C.	3/10/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2388	AEC Contract AT 11-1-229 Program Proposal ANP Indirect Cycle Reactors, Research and Development Budget Report Number 4719	Parks, A.	3/24/60	CRD
CNLM-2389	Request for Radiator Data	Larson, J.	3/15/60	U
CNLM-2390	Weld Filler Material Program	Doak, R. Kuhns, R.	3/15/60	CRD
CNLM-2391	Cb-5Mo-2Ti-2Zr, Cb-7Ti-3V-3Al	Delgrosso, E.	3/14/60	CRD
CNLM-2393 (Revisions)	Data Book on Physical Prop- erties of Materials	n.a.	3/15/60	U
CNLM-2394	Request for System Layout for Reactor Flow Model Tests	Bernstein, E.	3/21/60	CRD
CNLM-2396	Request for Liquid Metal Pump Data	Larson, J.	3/16/60	U
CNLM-2397	Additional Powerplant Informa- tion for Nuclear Airplane Evaluation Studies	Beardsley, G.	3/16/60	CRD
CNLM-2398	Request for Radiator Data	Larson, J.	3/17/60	CDI
CNLM-2399	Request for Radiator Data	Larson, J.	3/18/60	CDI
CNLM-2400	Summary of Cost January, 1960 Contracts AF 33-038-27341 NO AS 58-662C and AT 11-1-229 and AF 33-600-40548	n.a.	3/17/60	U
CNLM-2401	Analysis of Amounts Invoiced Contract AF 33-600-40548 January, 1960	n.a.	3/17/60	U
CNLM-2402	Analysis of Amounts Invoiced Contract NO AS 58-662C January, 1960	n.a.	3/17/60	U
CNLM-2403	Engineering and Development Contract NO AF 33-600-40548 Commitment Status January, 1960	n.a.	3/17/60	U
CNLM-2404	Analysis of Amounts Invoiced Contract AF 33-038-27341 January, 1960	n.a.	3/17/60	U

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2405	Analysis of Amounts Invoiced Contract AT 11-1-229 January, 1960	n.a.	3/17/60	U
CNLM-2406	Engine Performance Data	Larson, J.	3/18/60	CDI
CNLM-2407	Re CNLM-2307, Engineering Proposal for Support of Additional Research and Development on Aircraft Nuclear Propulsion Systems	Holtsinger, C.	3/17/60	CRD
CNLM-2408	Materials Laboratory Progress Report for February, 1960	Raring, L.	3/18/60	CRD
CNLM-2410	Sources for Data to be Used by Convair in Their Nuclear Power- plant Application Studies for the Period March to June, 1960	n.a.	3/18/60	U
CNLM-2411	Information on the Six Engine Single Reactor Powerplants - Enclosing CNLM-2410	Beardsley, G.	3/18/60	CRD
CNLM-2412	Engine Performance Data	Larson, J.	3/18/60	CDI
CNLM-2413	A Catalog of Radiation Facilities	Fine, A.	3/30/60	U
CNLM-2414	Request for Radiator Data	Larson, J.	3/23/60	CDI
CNLM-2415	Engine Performance Data Request	Larson, J.	3/23/60	U
CNLM-2416	Engine Performance Data	Larson, J.	3/23/60	CDI
CNLM-2417	Cancellation of Inactive CANEL Irradiation Programs	Parks, A.	3/21/60	CRD
CNLM-2418	Man Power Requirement for Enriched Fabrication Laboratory	Lomerson, E.	3/23/60	CRD
CNLM-2419	Method of Estimating Engine Performance for the NJ-18 Powerplant	Larson, J.	4/7/60	CDI
CNLM-2420	Engineering Proposal for Support of Additional Research and Devel- opment Work on Materials and Liquid Metal-to-Air Radiators	Schmickrath, B.	5/5/60	CRD

<u>NUMBER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>DATE</u>	<u>CLASS.</u>
CNLM-2420 (Cont.)	For Aircraft Nuclear Propulsion Systems Prepared for Aircraft Nuclear Propulsion Office	Schmickrath, B.	5/5/60	CRD
CNLM-2421	Studies of the P&WA Nuclear Powerplant, With Enclosures FXD-492, FXD-493, and LK-100737	Beardsley, G.	3/24/60	CRD
CNLM-2422	Design of LNCSA-Type Corrosion Loop	Coyle, G.	3/25/60	CRD
CNLM-2423	Transmittal of 2 Photographs and PWA FR-68	Holtsinger, C.	3/24/60	U
CNLM-2424	Supplement No. 2 to Appendix A-Statement of Work Under Contract No. AT 11-1-229 Applicable for Period October 1, 1959 Through September 30, 1960	n.a.	3/30/60	CRD
CNLM-2425	Transmittal Letter for Fourteen Copies of CNLM-2388	Schmickrath, B.	3/24/60	U
CNLM-2426	Monthly Progress Report	Schmickrath, B.	3/25/60	CRD
CNLM-2427	Activities of the Analytical Chemistry Laboratory	Hobart, E.	4/1/60	U
CNLM-2428	Transmittal of FXD-495, FXD-496, FXD-497, and FXD-498	Beardsley, G.	3/29/60	CRD
CNLM-2429	The 350 Gram Limit on the UO ₂ ... BeO Mixture	Beardsley, G.	3/28/60	CRD
CNLM-2430	Quarterly Progress Report January - March, 1960	Treciokas, V.	3/29/60	CRD
CNLM-2431	Acceleration of the Low Power Reactor Experiment Schedule	Schmickrath, B.	3/30/60	CRD
CNLM-2432	Revised Computation of Fee - Contract AT 11-1-229	n.a.	3/30/60	U
CNLM-2433	Mechanical Properties of Alloys	Rowe, G. Delgrosso, E.	3/30/60	CRD
CNLM-2434	Milestone Management System Indirect Cycle Reactors - List 2, Advanced Research and Development Schedule	n.a.	4/1/60	CRD