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Lawrence Radiation Laboratory
Berkeley, California

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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY THE UCRL INFORMATION DIVISION DURING THE PERIOD OF JANUARY 1 - 15, 1959

January 19, 1959

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Lawrence Radiation Laboratory
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January 19, 1959

Item Number	Title	Author	Date
	BIOSCIENCES		
ECU-3811	The Effects of Environment (Radiation, Substrate and Allelic Genes) on the Melezitose Gene in Saccharomyces.	C. C. Lindegren, D. D. Pittman Southern Ill. Univ., Carbondale. Biol. Research Lab.	1958
UL-5920	On the Stratospheric Sr^{90} Fallout.	P. K. Kuroda	10-58
W-57908	Research and Development Activities in the Field of Radiological Sciences. Quarterly Progress Report [for] July-September, 1958.	J. W. Healy, ed.	10-15-58
D-3611	Radioactivity of the Oceans. A Literature Search.	T. F. Davis, comp.	12-58
USNRDL-TR-284	Concerning Polydipsia and Polyuria by the X-Irradiated Rat.	R. E. Kay, C. Entenman	10-16-58
UTN-101	Interim Report on Investigations into the Problem of Radioactive Pollution of Uranium Mill Effluents.	M. A. DeSesa, comp. and ed.	12-15-58
UTN-114	Survey and Prevention Techniques for Control of Radioactivity Hazards at the Monticello Uranium Mill.	R. G. Beverly, comp. and ed.	12-15-58

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CHEMISTRY

ECU-3800	Pilot Scale Conversion of Yttrium Trifluoride to Yttrium Metallic Sponge at Crane Co.	I. J. Dzikowski, J. F. Lenc, R. G. Mathias, Crane Co., Chicago	5-16-58
CU-3810 & Add.	Scavenging of Particulate Matter in Connection with Nuclear-Powered Ships. Progress Report No. 3 (for) March 15 to June 15, 1958.	J. Rosinski Ill. Inst. of Tech. Chicago. Armour Research Foundation	n.d.
CU-3821	The Polarographic Diffusion Current: Current-Time Relationship at the Dropping Mercury Electrode. Report No. 37.	J. M. Markowitz, P. J. Elving Michigan Univ. Ann Arbor	7-24-58
EL-774	Transistorized Counting Systems. 8. An Automatic Radioactive Foil Counting Apparatus.	L. B. Robinson, W. D. Howell Atomic Energy of Canada Ltd. Chalk River Project, Chalk River, Ont.	9-58
57941	Nondestructive Testing of MTR Type Fuel Plates by X-Ray Absorption and Fluorescence Techniques.	M. C. Lambert	10-28-58
-58146	Hydriding of Zirconium and Uranium in Organic Coolants.	V. H. Troutner	11-12-58
14450	Continuous Dissolver Theory. I. Development of General Relationships for a Tube-Flow Flooded Dissolver.	E. E. Erickson Phillips Pet. Co. Atomic Energy Div., Idaho Falls, Idaho	11-24-58
CO-AM/S-42	The Absorptiometric Determination of Nickel in Uranium Metal. (Analytical Method)	Gt. Brit. Springfields Works, Springfields, Lancs, England	1958

10-AM/S-118	The Spectrographic Determination of Calcium in Uranium Metal. (Analytical Method)	Gt. Brit. Springfields Works, Springfields, Lancs, England	1958
0-AM/S-120	The Absorptiometric Determination of Molybdenum in Uranium Metal. (Analytical Method)	Same	1958
-AM/S-121	The Absorptiometric Determination of Combined Nitrogen in Uranium Metal Including Swarf and Powder. (Analytical Method)	Same	1958
AM/S-124	The Absorptiometric Determination of Boron in Uranium Metal. (Analytical Method)	Same	1958
0-AM/S-125	The Spectrographic Determination of Aluminium in Uranium Metal.(Analytical Method)	Same	1958
0-AM/W-102	The Spectrographic Determination of Uranium-235 in Pure Uranium Metal or Uranium Solutions.	F. Elliott U.K.A.E.A. Industrial Group, Windscale Works, Sellafield, Cumb., Eng.	7-57
0-AM/W-107	The Determination of Nitrogen in Plutonium Metal. Conway Diffusion Separation and Micro-Titration.	Same	1-58
0-AM/W-108	The Preparation of Plutonium Metal Prior to Analysis for General Impurities.	Same	12-57
0-AM/W-168	The Absorptiometric Determination of Thorium in Plutonium Metal.	Same	3-58
0-AM/W-170	The Determination of Carbon in Plutonium Metal (Micro-Combustion and Absorption in Barium Hydroxide).	Same	3-58
0-AM/W-171	The Absorptiometric Determination of Phosphorus in Plutonium Metal (Reduced Phospho-molybdate Method).	Same	4-58

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C-AM/W-175	The Determination of Chlorine in Plutonium Metal by Potentiometric Titration After a Diffusion Separation.	U.K.A.E.A. Industrial Group, Windscale Works, Sellafield, Cumb., Eng.	1958
R-R/R-287	Uranium Data Manual.	E. L. Francis, comp. U.K.A.E.A. Industrial Group H. Q., Risley, Lancs, England	5-20-58
R/W-203	The Breakdown of Tri-N-Butyl Phosphate Solvents During The Processing of Extremely Radioactive Nuclear Fuels. Part I.	T. Rigg U.K.A.E.A. Industrial Group, Windscale, Works, Sellafield, Cumb., Eng.	3-57
PL-1728	Low-Temperature Refluorination of PuF_6 Decomposition Products.	W. L. Robb, R. L. Myers, R. J. Brandon, et al.	3-30-57
2252	The (5-Phenyl-2-Oxazolyl) Pyridines as Fluorescent pH Indicators. An Application to Chemical Radiation Dosimetry.	D. G. Ott	1-2-59
SC-1959-1	Reactions with Aqueous Sodium Borohydride: Reduction of TIN(II) and (IV), Lead (II), Arsenic (III), Antimony (III), and Bismuth (III). (Thesis)	M. E. Kramer St. Louis Univ.	8-54
AA-SR-2686	Spectrophotometric Determinations of Beryllium and Fluoride Using Chrome Azurol S.	L. Silverman, M. E. Shideler	12-1-58
NRDL-TR-285	An Apparatus for the Controlled Flame Combustion of Filter Paper.	M. Honma, A. E. Greendale	10-20-58
APD-203	A Mathematical Description of Activity Build-Up in the Primary Coolant System of a Pressurized Water Reactor Resulting from the Escape of Core-Contained Fission Products.	B. D. O'Reilly	9-58

records

ENGINEERING

[illegible]TM-58	Physical and Electrical Standardization Program for the AEC.	H. C. Biggs Sandia Corp., Albuquerque, N. Mex.	11-58

METALLURGY AND CERAMICS

[illegible]U-3803	Thermal Cycle Test in Sodium of Nine APDA Fuel Pins. Engineering Laboratory and Research Department Report 57C05-2.	J. J. Bodzin, T. A. Alessi Detroit Edison Co., Detroit	2-12-58
[illegible]CU-3814	Metals for Reactor Application and Less Common Metals.	J. M. Taub Los Alamos Scientific Lab., N. Mex.	(1957)
[illegible]-5861	Status Report in Eddy Current Theory and Application.	C. J. Renken, R. G. Myers, W. J. McGonnagle	11-58
[illegible]MET-809	The Swelling of Beryllium from Neutron-Induced Gases.	C. E. Ells Atomic Energy of Canada Ltd. Chalk River Project, Chalk River, Ont.	11-58
[illegible]GL-R/R-287	Uranium Data Manual.	E. L. Francis, comp. U.K.A.E.A. Industrial Group H. Q., Risley, Lancs, England	5-20-58
[illegible]GRL-IB/R-15 (2nd ed.)	Materials for Use in Nuclear Reactors. (Information Bibliography)	B. Yates Gt. Brit. Springfields Works, Springfields, Lancs, England	1958

[illegible]ourdc

-2035	A Review of the Corrosion Behavior of Uranium.	J. T. Waber	12-29-58
NA-SR-2973	Corrosion and Decarburization of the Ferritic Chromium-Molybdenum Steels in Sodium Coolant Systems.	W. C. Hayes, O. C. Shepard	12-1-58
-SR-2981	Remote Maintenance Techniques for the Processing Refabrication Experiment.	D. J. Stoker	12-1-58
-SR-3086	Thermal Expansion of Al_2O_3, BeO, MgO, B_4C, SiC, and TiC Above 1000°C.	C. J. Engberg, E. H. Zehms	11-30-58
-SR-3205	Stress-Strain-Temperature-Time Relationships for Refractory Materials.	R. D. Chipman	12-1-58

PHYSICS

CU-3709	The Cambridge Electron Accelerator.	M. S. Livingston Cambridge Electron Accelerator, Mass.	5-4-56
CU-3711	Control of Oscillation Amplitudes.	K. W. Robinson Same	5-15-56
CU-3712	Radiofrequency Acceleration II.	K. W. Robinson Same	9-10-56
CU-3717	Radiofrequency Parameters.	K. W. Robinson Same	11-21-56
ECU-3718	Effect of R. F. System on Betatron Oscillations.	K. W. Robinson Same	11-28-56
ECU-3725	On the Existence of a Magnetic and Focusing Length in a Synchrotron.	J. Dekleva, G. Lanza Same	4-1-57

Records

..CU-3726	Radiation Shielding for the Cambridge Electron Accelerator.	M. S. Livingston Cambridge Electron Accelerator, Mass.	5-2-57
..ECU-3728 ..d Suppl.	Dynamic n-Measurements on the CEA Magnet Model Mark II Under AC and Biased Operation. Supplement: Notes to CEA-29 on Dynamic n-Measurements.	H. Nysater Same	1957
..CU-3730	Injection Trajectories and Beam Matching for the Cambridge Electron Accelerator.	K. G. Steffen Same	4-17-57
..CU-3731	A Report on the Kinematics of High Energy Electron Scattering.	J. Bernstein Same	5-23-57
..CU-3732	Amplitude and Phase Functions for the Revised Parameters of the Cambridge Electron Accelerator.	G. Lanza, K. B. Steffen Same	5-27-57
..U-3735	Effect of Quadrupole Correcting Lenses.	K. G. Steffen Same	6-3-57
..CU-3736	Pole-Face Windings.	J. Rees Same	6-20-57
..ECU-3737	Betatron Oscillation Frequency Shift Due to "n-Errors".	G. Lanza, K. G. Steffen Same	7-1-57
..ECU-3740	Dynamic B and n-Behavior up to 7600 Gauss in Magnet Model Mark II Comparison of Results with Long and Small Grad Coils.	V. P. Henri, H. Nysater Same	8-13-57
..ECU-3741	Radiation Damage to Vacuum Chamber Walls.	B. Stearns Same	9-10-57
..ECU-3742	Analysis of Spurious Modes in Magnet Power Supply.	J. Dekleva K. W. Robinson Same	1-3-58

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ECU-3743	Radiation Effects in Circular Electron Accelerators.	K. W. Robinson Cambridge Electron Accelerators, Mass.	1-6-58
ECU-3744	Betatron Oscillations and Equilibrium Orbits in Terms of Amplitude and Phase Functions.	K. G. Steffen Same	1-7-58
ECU-3745	Exit Beam Trajectories for the Cambridge Electron Accelerator.	K. G. Steffen Same	1-30-58
ECU-3746	The Input Admittance of a Ring Circuit.	J. R. Rees Same	1-22-58
HE-HP/GEN-6	Calculation of U, Pb, Fe and Al Shielding for Irradiated Natural Uranium.	E. M. Flew, B. T. James	12-5-55
EX-433	Shielding Computer Program 11-0, Reactor Shield Analysis.	K. B. Hanchon	11-58
-439	Test Data from the 2σ Solid-Angle Shield-Cover Experiment.	R. H. Clark, J. G. Carver, R. F. Brenton, et al.	12-19-58
ERN-58-27	H. F. Power Meter for Operation at 2.5 MW Pulsed Power.	E. Zaccheroni	11-58
ERN-58-28	Some Consideration on the Planning of Experimental Programs for the 25 GEV Proton Synchrotron.	L. C. L. Yuan	12-58
-176	Progress Report for April, May, June, 1958 to the United States Atomic Energy Commission.	Columbia Univ., N. Y. Pupin Cyclotron Lab. and Columbia Univ., N. Y. Pegram Lab.	n.d.
ET-97A	Manual of Instrument Transformers. Operation Principles and Application Information.	General Elec. Co., Schenectady, N. Y.	n.d.

. records

LO-6486	Notes on Magneto-Hydrodynamics. VI. Fluid Magnetic Equations. General Properties.	A. A. Blank, H. Grad N. Y. Univ., N. Y. Atomic Energy Commission Computing and Applied Mathematics Center	7-1-58
NL-2375	Monte Carlo Calculations of Fluxes and Dose Rates Resulting from Neutrons Multiply Scattered in Air.	F. L. Keller, C. D. Zerby, J. Hilgeman	12-31-58
RNL-2462	Gamma-Ray Dose Rates Resulting from Neutron Captures in Air.	F. L. Keller, C. D. Zerby, W. W. Dunn	12-31-58
ORNL-2629	Some Problems in Statistical Inference.	J. J. Gart	12-31-58
ORNL-2644	Cyclotrons and High-Energy Accelerators, 1958.	F. T. Howard	11-17-58
TID-7558	Papers Presented at the Controlled Thermonuclear Conference Held at Washington, D. C. February 3 - 5, 1958.		10-58

REACTOR SCIENCE

AECU-3816	An Integrated Design of Reactor and Turbine Generator Sections of the Enrico Fermi Atomic Power Plant.	R. C. Kirkby, C. M. Heidel Power Reactor Dev. Co. Detroit and Detroit Edison Co., Detroit	nd.
AECU-3819	Reactivity Effect of APPR Loop in ORR.	P. F. Palmedo, E. C. Hansen, C. D. Koch Mass. Inst. of Tech., Oak Ridge Eng. Practice School	3-20-58

CU-3820	Studies of Reactor Containment. Combined Monthly Progress and Financial Status Report No. 16.	T. A. Zaker Ill. Inst. of Tech. Chicago. Armour Res. Foundation	8-29-58
IL-5766	A Gamma-Ray Attenuation Method for Void Fraction Determinations in Experimental Boiling Heat Transfer Test Facilities.	H. H. Hooker, G. F. Popper	11-58
-5828	Equilibrium P-V-T Relations for Expanding Liquid-Vapor Systems in a Containment Shell.	J. C. Heap	11-58
L-5935	Sodium and Bismuth Liquid Metal Fuel Systems; A Literature Search to June 30, 1957.	R. C. Vogel, W. A. Rodger	11-58
IL-5941	EBWR Turbine Blade Failure. Summary Report.	J. M. Harrer, E. A. Wimunc	11-58
EX-388	Reactor Fuse Propellants and Configurations.	R. J. Spera, S. N. Stilwell, W. L. Weiss	11-58
DO-10029(Del.)	Supplement to Uranium Production Reactor Preliminary Design Report.		11-5-54
DO-16455	Plutonium System Study with an Application to the MTR.	W. B. Lewis, G. D. Marshall Phillips Pet. Co. Atomic Energy Div., Idaho Falls, Idaho	11-20-58
NTERNUC-4	Summary Report on the RER and SDR Core Physics.	U.K.A.E.A. Industrial Group, Windscale Works, Sellafield, Cumb., Eng.	7-23-56
-275	Summarization of Studies on Nuclear Heat Engine Systems.	F. G. Hammitt Michigan Univ., Ann Arbor Coll. of Eng.	4-58

records

PL-2000-4	Reactor Technology. Quarterly Report No. 7. Physics.		12-58
AA-SR-2461	Heat Flow in the Trigger of a Reactor Safety Device.	T. H. Springer, N. C. Miller	11-15-58
RNL-2448	Operating Procedure for the Bulk Shielding Reactor. Fourth Edition.	K. M. Henry, F. C. Maienschein	1-2-59

MISCELLANEOUS

IL-5952	Additions to the Library. Report for the Period December 1-15, 1958. Technical Reports and Books.	P. A. Schulze	n.d.
IA-U10	Consolidated Translation Survey for October 1958. No. 10.	Central Intelligence Agency, Washington, D. C.	11-26-58

UCRL REPORTS ISSUED DURING JANUARY 1 - 15, 1959

UCRL-1477 Add. VIII	List of Translations Made at the Information Division, Lawrence Radiation Laboratory, University of California, Berkeley, California (Numbers 321(L) through 439).		12-23-58
UCRL-8414 Rev.	High-Voltage, Low-Inductance Switch for Megampere Pulse.	W. R. Baker	12-9-58
UCRL-8430	Yield and Range Studies of Selected Fission Products From Uranium Bombarded with Bev Protons.	C. Baltzinger	8-58
UCRL-8455	Thermal Ionization at Hot Metal Surfaces. (Thesis)	J. R. Werning	9-58
UCRL-8480 Rev.	A Simple Pulsed Neutron Source Based on Crossed-Field Trapping.	J. D. Gow, L. Ruby	12-18-58
UCRL-8523	A Practical Guide to the Method of Least Squares.	P. Caiffra, M. J. Moravcsik	10-17-58
UCRL-8547	Hyperfine-Structure Measurements of Some Transuranic Elements. (Thesis)	R. Marrus	11-23-58
UCRL-8571	Space Science.	C. A. Tobias	12-58
UCRL-8580	Experimental Determination of the Λ Spin.	F. S. Crawford, Jr., M. Cresti, M. L. Good, M. L. Stevenson, H. K. Ticho	12-30-58
UCRL-8587	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of December 16 - 31, 1958.		1-6-59

UCRL-8592	The $\bar{K}^0 - K^-$ Mass Excess.	A. H. Rosenfeld, F. T. Solmitz, R. D. Tripp	1-8-59
UCRL-8593	The $K^0 - K^+$ Mass Excess.	F. S. Crawford, Jr., M. Cresti, M. L. Good, M. L. Stevenson, H. K. Ticho	1-12-59

INFORMAL REPORTS ISSUED

Available From				
Mech. Eng.	UCID-557 (7330-01 M1)	88" Cyclotron - Preliminary Man-Power Estimate II.	W. Dexter, R. Burleigh	11-11-58
Mech. Eng.	UCID-558 (7909-01 M1)	15" Bubble Chamber Refrigeration.	R. Blumberg	11-11-58
Mech. Eng.	UCID-559 (7911-13 M2)	72" Hydrogen Bubble Chamber - Magnet Cooling Water System - Starting and Stopping Procedure.	W. F. Eaton	11-19-58
Mech. Eng.	UCID-560 (7911-41 M1)	72" Hydrogen Bubble Chamber Fabrication - 200 SCFM 2400 psi Hydrogen Compressor.	R. Byrns	6-21-56
Mech. Eng.	UCID-561 (7911-32 M2)	Natural Convection Vertical Surface Hydrogen Gas.	F. Barrera	4-12-57
Mech. Eng.	UCID-562 (7911-32 M8)	72" Hydrogen Bubble Chamber Expansion System Oil Prefilter.	R. S. Hickman	8-15-57
Mech. Eng.	UCID-563 (7911-32 M14)	72" Hydrogen Bubble Chamber - Expansion Line Gaskets.	F. Barrera	4-17-58
Mech. Eng.	UCID-564 (7911-32 M15)	72" Hydrogen Bubble Chamber - Expansion Line Gate Valve.	F. Barrera	4-21-58
Mech. Eng.	UCID-565 (7911-35 M1)	72" Hydrogen Bubble Chamber - Heat Flux in H_2 Shield.	L. R. Lucas	12-9-57
Mech. Eng.	UCID-566 (7911-35 M2)	72" Hydrogen Bubble Chamber - Hydrogen Shield Liner Temperature Gradients.	L. R. Lucas	4-24-58
Mech. Eng.	UCID-567 (7911-50 M2)	72" Hydrogen Bubble Chamber - Camera Windows - Optical Performance Specifications.	D. Norgren	7-3-58

Mech. Eng.	UCID-568 (Spec. No. M211A)	Specification for the Heavy Ion Accelerator Vacuum Tanks.	E. F. McLaughlin	4-11-55
Mech. Eng.	UCID-569 (7318-30 F3)	Heavy Ion Accelerator Pre-Stripper and Post-Stripper Tanks, Purchase Order J-12544.	L. P. Henderson	12-9-55
Mech. Eng.	UCID-570 (7318-30 M1)	120" Diameter X 240" Long Tank Design.	L. R. Lucas	9-20-54
Mech. Eng.	UCID-571 (7318-30 M2)	Pre- and Post-Stripper Tank - Diffusion Pump Manifold Blank (Cover).	L. R. Lucas	5-6-55
Mech. Eng.	UCID-572 (7318-30 M4)	Pre- and Post-Stripper Tank - Legs and Mountings.	L. R. Lucas	4-8-55
Mech. Eng.	UCID-573 (7318-30 M5)	Heavy Ion Accelerator Pre Stripper Tank - Copper Welding Procedure.	R. D. Edwards	2-20-56
Mech. Eng.	UCID-574 (7318-31 M1)	109" Diameter x 960" Tank Design.	L. R. Lucas	6-18-54
Mech. Eng.	UCID-575 (7318-31 M2)	109" Diameter Tank Deflection.	L. R. Lucas	7-8-54
Mech. Eng.	UCID-576 (7318-31 M3)	109-In. Diameter by 88.5-Ft. Long Heavy-Ion Accelerator Post-Stripper Tank -- Handling.	L. R. Lucas	7-27-54
Mech. Eng.	UCID-577 (7318-31 M5)	Heavy Ion Accelerator Post-Stripper Tank - 109 In. Diameter x 88.5 Ft. Tank - Natural Cooling (Rev.)	L. R. Lucas	9-13-54
Mech. Eng.	UCID-578 (7318-31 M6)	Heavy Ion Accelerator Post-Stripper Tank R. F. Grill Design.	L. R. Lucas	10-21-54
Mech. Eng.	UCID-579 (7318-31 M7)	Heavy Ion Accelerator Post Stripper Tank - Junction of Ring and Drift Tube Nozzle.	L. R. Lucas	11-2-54
Mech. Eng.	UCID-580 (7318-31 M8)	Heavy Ion Accelerator Pre- and Post- Stripper Tanks - Half-Drift Tube Mounting Plates.	L.R. Lucas	6-17-55

Mech. Eng.	UCID-581 (7318-31 M10)	Heavy Ion Accelerator Post Stripper Tank - Drift Tube Alignment.	L. R. Lucas	4-27-56

INFORMAL REPORTS RECEIVED IN THE INFORMATION DIVISION

ELECTRONICS

EE-591	A Study of Iron Cores for Astron 3 Mev Accelerator.	F. Voelker, A. Windsor	12-19-58

MECHANICAL ENGINEERING

3140-01 M144	Liquid Hydrogen Use. Period - July 1, 1958 to December 31, 1958.	J. V. Davey	1-6-59
3140-01 M209	Non-Electric Gold Plating - A Description of the Atomex Gold Plating Process (Ionic Displacement Process).	J. G. Dorward	12-23-58
3140-01 M211	Fasteners for Film Badges.	H. Chew	1-5-59
4310-04 M2	General Physics Research - Thorntons Group - Operations of 12" Dia x 1" High Liquid Hydrogen Target.	R. Hickman, W. Pope	1-6-59
4320-53 M10	Data Analysis Development - Film Reader - Air Bearing.	B. McCormick, F. Plunder	1-8-59
7302-04 M31	Bevatron - Magnet Power Supply - Shaft Stress Intensity for Maximum Fault Observed.	W. W. Salsig, Jr.	12-12-58
7302-04 M32	Bevatron - Magnet Power Supply - Maximum Possible Shaft Stresses Due to Maximum Fault intensity and Poorest Timing.	W. W. Salsig, Jr.	12-11-58
7302-04 M33	Bevatron Magnet Power Supply - Observed Torque Reduction - West Generator Coil - Brace Assembly - Second Maintenance Record.	K. Lou	12-22-58
7302-06 M21	Bevatron - Magnet Cooling Equipment - Main Fan Coupling and Motor Air Gap Alignment After Rework.	W. W. Salsig, Jr.	1-12-59