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NRL Report 5'

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BIBLIOGRAPHY OF UNCLASSIFIED NRL FORMAL REPORTS NUMBERS 1000 TO 5700

July 1962



U. S. NAVAL RESEARCH LABORATORY
Washington, D.C.

PREFACE

This Bibliography is divided into three sections. Section 1 lists numerically only the Unclassified NRL formal reports 1000 to 5700 giving the number and publication date at the left of the column and the title and authors at the right, below is the Office of Technical Services' PB number and price. If a microfilm or photostat price is quoted, the item may be purchased from Chief, Photo Duplication Service, Publication Board Project, Library of Congress, Washington 25, D.C.; check made payable to Chief, Photo Duplication Service. If mimeograph price is quoted the item may be purchased from the Office of Technical Services, Department of Commerce, Washington 25, D.C.; check made payable to Treasurer of the United States.

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- O-1950 Detection and Location of Concealed Microphone Wires. U R. C. Waddel, J. P. Parker. 9/42 PB122743, Mi\$2.40, Ph\$3.30.
- R-1951 Tests of Components for Models RBM, RBM-1, and RBM-2 Receiving Equipment. U M. I. Hull. 10/42 PB17579, Mi\$5.50, Ph\$3.00.
- S-1952 The Shock Produced by a Collapsing Cavity in Water. U M. F. M. Osborne. 10/42 PB109244, Mi\$2.75, Ph\$7.50.
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- R-1955 Tests of the Bell Laboratories and Arma Corp. Automatic Radar Equipment Used in Conjunction with a Mark 37 Director, Mark 1, Model 2 Computer and a Mark 4 Radar System. U A. H. Schooley. 11/42 PB120682, Mi\$3.30, Ph\$7.80.
- M-1956 The Heat Treatment of Stockless Anchors. U I. H. F. Taylor, H. F. Bishop, E. A. Rominski. 11/42
- P-1957 Gould Type ULX-65 Submarine Storage Battery Cell #18 from the USS S-45. U E. J. Peebles. 11/42 PB120603, Mi\$2.70, Ph\$4.80.

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- O-1958 Scale Model Tests of Main Steam Piping of ANI USS MONITOR. 11/42 I. Vigness, T. E. Pardue.
- S-1959 The A-B-C's of Anti-Submarine Warfare. H. C. Hayes. 11/42 PB120683, Mi\$2.40, Ph\$3.30.
- R-1960 Test of Model TBK-12 Radio Transmitting Equipment, Submitted by RCA Mfg. Co. E. L. Hurd, T. D. Hobart, C. B. Davis. 11/42 PB17578, Mi\$2.00, Ph\$11.00.
- P-1961 A Method for the Evaluation of the Abrasion Resistance of Aeroplane Propeller Finishes. C. Barber, J. B. Ballentine. 11/42 PB109217, Mi\$2.00, Ph\$3.75.
- O-1962 Light Weight H. I. Shock Machine Acceleration Measurements on Typical Auxiliary Mounting Arrangements. I. Vigness. 11/42
- B-1963 Test of Horns, Proposed Types H-10, H-11, H-12, and H-13, submitted by Defiance Alloyed Products Co. J. S. Bryant, F. H. Dunlap. 11/42
- B-1964 Test of Transformers, Type GF, submitted by Westinghouse Electric and Mfg. Co. J. S. Bryant. 12/42
- O-1965 High Impact Shock Instrumentation and Measurements. I. Vigness. 11/42
- P-1966 Method of Measuring Penetration Time for Deep Drying Insulating Varnishes. H. A. Pohl, M. A. Elliott. 11/42 PB99158, Mi\$2.00, Ph\$3.75.
- B-1967 Test of Contact Makers, Types "L" and "N," submitted by Detroit Lubricator Co. A. R. Donaldson, F. W. Jank. 12/42 PB109228, Mi\$2.25, Ph\$5.00.
- B-1968 Test on Underwater Electric Log Equipment, submitted by Consolidated Instruments Corp. A. R. Donaldson, F. W. Jank. 12/42
- P-1969 An Investigation of Infra-Red Reflecting Paints. J. S. Strong. 12/42
- O-1970 A Vacuum Tube Current Amplifier. R. C. Waddel. 12/42 PB120604, Mi\$2.40, Ph\$3.30.
- P-1971 A Comparative Study of the British, N.R.L. and CWS Methods for Measurement of HS Vapor Penetration through Protective Clothing. W. H. Taylor, J. C. Conner, Jr., K. G. Williams. 12/42
- R-1972 Test on Insulating Material, submitted by Birnback Radio Co. J. E. Martin. 12/42 PB109227, Mi\$1.50, Ph\$1.50.
- R-1973 Test of Insulating Material, Certificate No. 29, submitted by Henry L. Crowley and Company, Inc. J. E. Martin. 12/42 PB109229, Mi\$1.25, Ph\$1.25.
- R-1974 Test of British Type 291 Radar Equipment. L. V. Blake, J. W. Glover, Jr. 2/43
- R-1975 Test on Insulating Material, Centralab Cordierite Type 400, submitted by Globe Union Co. J. E. Martin. 1/43 PB109230, Mi\$1.25, Ph\$1.25.
- R-1976 Test of Model YG Homing Beacon Equipment, submitted by RCA Mfg. Co. S. M. Rice, M. F. Hodges, M. L. Leppert, H. R. Johannessen. 1/43
- O-1977 Liquid Thermal Diffusion Research. P. Abelson. 1/43
- B-1978 Test on Buzzers, Types Z-1 and Z-2, submitted by Benjamin Electric & Mfg. Co. J. S. Bryant. 2/43
- R-1979 Test of Noise and Output Limiters. E. Toth. 1/43 PB28823, Mi\$2.00, Ph\$6.00.
- O-1980 Location of Armor for Pilot Protection. G. R. Irwin. 1/43 PB120684, Mi\$1.80, Ph\$1.80.
- O-1981 Liquid Thermal Diffusion, II. P. H. Abelson. 1/43
- B-1982 Test of Annunciator - 25 Drop, submitted by Bendix Aviation Corp. F. H. Dunlap. 1/43
- R-1983 Test of Head Telephone Receivers, submitted by Nathaniel Baldwin Laboratories. M. I. Hull. 1/43 PB109231, Mi\$2.00, Ph\$2.75.
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- R-1985 Test of XBC Radio Beacon Equipment. L. G. Robbins, O. Norgorden. 1/43 PB17583, Mi\$1.00, Ph\$4.00.
- P-1986 A Study of the Pauling Oxygen Meter Toward Its Possible Adaptation to Naval Use. M. H. Boyer, F. S. Thomas. 1/43 PB109250, Mi\$2.75, Ph\$6.50.
- P-1987 Reflection Reducing Coatings for Transparent Plastic Surfaces. P. King. 1/43 PB78598, Mi\$1.00, Ph\$1.00.
- R-1988 Test of Insulating Material Locketite, submitted by Lock Insulator Corp. J. E. Martin. 1/43 PB120600, Mi\$1.80, Ph\$1.80.
- H-1989 The Optics of Paints, II. The Spectral Reflectivity of Commercial Infra-Red Reflecting Deck Paints to 2.5 Microns. J. A. Sanderson, W. R. Holm. 1/43 PB109509, Mi\$2.00, Ph\$3.75.
- R-1990 Test of Insulating Material, submitted by Maryland Lava Co. J. E. Martin. 1/43 PB109510, Mi\$1.25, Ph\$1.25.
- B-1991 Test of Tachometer, Commercial Type, submitted by Ideal Commutator Dressor Co. F. W. Jank. 2/43 PB120605, Mi\$2.40, Ph\$3.30.
- B-1992 Test of Horn, Navy Type H-7, submitted by Defiance Alloyed Products Co. J. S. Bryant. 3/43 PB120606, Mi\$1.80, Ph\$1.80.
- B-1993 Test of Horns, Types H-3 and H-4, submitted by Schwarze Electric Co. D. T. Scuderi. 3/43 PB120608, Mi\$2.40, Ph\$3.30.
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- P-1995 Cancelled.
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- P-1997 The Prevention of Fogging of Optics in Submarine Periscopes. W. H. Schechter, R. R. Miller. 2/43 PB120592, Mi\$2.40, Ph\$3.30.
- P-1998 A General Survey of the Use of Methyl Bromide as a Fire Extinguishing Agent. R. L. Tuve. 2/43 PB109218, Mi\$4.25, Ph\$12.50.
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- P-2000 Protective Clothing. G. M. Gantz, W. H. Taylor. 2/43
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- B-2002 Test on Contact Maker, Type L, U submitted by United Electric Controls Co. F. W. Jank. 3/43 PB120609, Mi \$1.80, Ph \$1.80.
- M-2003 The Causes of Porosity and Leakage Nonferrous Castings (Foundry Details for 3rd Stage Cylinder 7 $\frac{1}{2}$ cu. ft. High Pressure Air Compressor). A. H. Hesse, R. H. Brouk. 3/43 PB120613, Mi \$2.40, Ph \$3.30.
- B-2004 Test on Horns, Navy Types H-5 and H-5A, submitted by Schwarze Electric Co. D. T. Scuderi. 3/43
- B-2005 Test on Horn, Type H-3 and H-4 (Combined), submitted by Federal Electric Co., Inc. J. S. Bryant. 3/43 PB109221, Mi \$1.75, Ph \$2.50.
- P-2006 Temporary Camouflage Paints for Use on Naval Aircraft. U 3/43 P. King, W. H. Stewart. PB109220, Mi \$1.75, Ph \$2.50.
- R-2007 Test of Model XTCK Radio Transmitting Equipment. U 3/43 W. J. Rosch, M. L. Leppert. PB17582, Mi \$2.00, Ph \$14.00.
- P-2008 Reflection Reducing Coatings for Glass and Transparent Plastic Surfaces, II. U 2/43 P. King. PB66136, Mi \$1.00, Ph \$1.00.
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- B-2010 Test of Tachometer, Type B, Class b, submitted by Stewart-Warner Corp. U 4/43 F. W. Jank. PB120611, Mi \$2.40, Ph \$3.30.
- P-2011 Investigation of Methods for the Production of Metallic Potassium. U 9/42 C. A. Kraus. PB109222, Mi \$2.75, Ph \$7.50.
- H-2012 The Electron Microscope. U 3/43 H. Friedman, LaV. S. Birks. PB109223, Mi \$2.75, Ph \$6.50.
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- R-2014 Test on Insulating Material, submitted by Louthan Mfg. Co. U 3/43 J. E. Martin. PB109251, Mi \$1.25, Ph \$1.25.
- B-2015 Test of Bell, Navy Type B-2, U submitted by Schwarze Electric Co. J. S. Bryant. 3/43
- B-2016 Test of Bell, Navy Type B-3, submitted by Schwarze Electric Co. U 4/43 D. T. Scuderi.
- B-2017 Test of Horns, Types H-1 and H-2, submitted by Schwarze Electric Co. U 4/43 J. S. Bryant.
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- M-2019 Properties and Welding of Aircraft Tubing and Plate of the SAE X4340 Composition. U 1/43 C. E. Jackson, M. A. Pugacz. PB120615, Mi \$3.90, Ph \$10.80.
- M-2020 The Mechanical and Ballistic Properties of Low Carbon Iron-Manganese Alloys, II. U 2/43 I. R. Kramer, S. L. Toleman, R. H. Hafner. PB109236, Mi \$2.25, Ph \$5.00.
- P-2021 Determination of Perchlorates in Submarine Storage Battery U 3/43 Electrolyte. E. J. Peebles. PB122679, Mi \$2.40, Ph \$3.30.
- R-2022 Preliminary Report on Tests of Reflecting Material as a Radar Countermeasure. U 3/43 L. V. Blake. PB120685, Mi \$4.50, Ph \$12.30.
- R-2023 Cancelled.
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- O-2025 The Precipitation-Static Problem. U 3/43 II. W. C. Hall, R. Gunn. PB120697, Mi \$3.00, Ph \$6.30.
- P-2026 Oxygen Source Materials, XIII, The Production of Potassium from Potassium Carbonate. U 5/43 C. R. Witschonke, G. J. Coll, R. R. Miller.
- H-2027 Ultraviolet Counters - Application to a Fire Alarm. U 3/43 H. Friedman. PB37974, Mi \$1.00, Ph \$2.00.
- H-2028 An Exposure Meter for Radiography, II. U 4/43 H. Friedman, E. der Mateosian. PB109449, Mi \$1.75, Ph \$2.50.
- R-2029 Test on Head Telephone Receivers, U 4/43 Headband and Cord, submitted by Permoflux Corp. M. I. Hull. PB109446, Mi \$2.25, Ph \$5.00.
- P-2030 Progress in the Study of Organic Protective Finishes for Plywood Airplanes and Gliders. U 2/43 J. Leonard. PB109447, Mi \$2.25, Ph \$5.00.
- M-2031 The Stress Relief of Steel Castings, I, Relaxation of Plain Carbon Cast Steel. U 5/43 E. A. Rominski, H. F. Taylor. PB109448, Mi \$2.25, Ph \$5.00.
- S-2032 Underwater Sound Pressures Beneath a Ship-Mounted Source as a Function of Bottom Impedance. U 3/43 J. M. Ide, R. F. Post.
- M-2033 Colorimetric Determination of Chromium in Steel. U 4/43 W. A. Chambers, Jr., L. Singer.
- H-2034 Effectiveness of Photoflash Lamps for Destroying Dark Adaptation. U 3/43 R. Tousey. PB120601, Mi \$1.80, Ph \$1.80.
- H-2035 Dark Adaptation: Time to Become Dark Adapted after Stimulation by Various Brightnesses and Colors. U 3/43 E. H. Hulbert. PB122680, Mi \$2.70, Ph \$4.80.
- M-2036 Radon Leakage from Navy Radium Capsules. U 1/43 H. F. Kaiser. PB18796, Mi \$1.50, Ph \$2.00.
- M-2037 Effect of Iron Inclusions in Asbestos on Electrical Characteristics of Insulating Material - Detection of Iron Particles by X-Radiography. U 4/43 H. F. Kaiser, M. Elliot, C. T. Klee. PB109285, Mi \$2.00, Ph \$3.75.
- R-2038 Test of Models TBY-1 and TBY-2 Radio Transmitting Equipments, submitted by Westinghouse Electric & Mfg. Co., and Colonial Radio Co. U 5/43 S. M. Rice, M. F. Hodges. PB120602, Mi \$7.20, Ph \$22.80.
- P-2039 A Method for the Separation and Analysis of Aromatic Fractions of Aviation Gasoline. U 4/43 R. H. Blizzard. PB120617, Mi \$2.40, Ph \$3.30.
- H-2040 Improvements in Reflector Sights and Their Use for Night Fighting Aircraft. U 4/43 R. Tousey.
- B-2041 Test of Horns, Types H-8 and H-9, U submitted by Federal Electric Co. 4/43 J. S. Bryant.
- B-2042 Cancelled.
- B-2043 Test of Horns, Type H-3 (Two Designs), submitted by Sparks-Withington Co. U 5/43 J. S. Bryant.

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- R-2045 Systems Test of the Models ASG and XASG Radar Equipments, submitted by Phico Co. U
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- R-2046 Test of Insulating Material submitted by Porcelain Enamel and Mfg. Co. J. E. Martin. U
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- R-2048 Effect of Painting Type 327A and 227A Transmitting Tubes for Blackout Purposes. R. Deutsch, M. F. Distad, R. C. Guthrie. U
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- B-2049 Test of Head Telephone Receivers, Type 49016; Head Bands, Type 49028; Diaphragms, Type 49033; Telephone Cord and Plug, Type C-49064, submitted by Telephonics Corp. M. I. Hull. U
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- M-2050 NRL Shock-Fracture Test for Welded Joints in Armor, I. U
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- R-2051 Test on Insulating Material, submitted by Hartford Faience Co., U
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- P-2052 A Study of Rubber Preservatives. U
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- P-2055 Aqueous Impregnating Systems of Chlorinated Paraffin and Impregnite S-145. H. W. Fox, G. M. Gantz, W. H. Taylor. U
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- O-2057 Gage for Measuring the Thickness of Paint or Any Insulating Material which Overlies a Non-Magnetic Metal. J. E. Dinger. U
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- P-2058 Dash-Pot Fluid for Stabilized Bombing Approach Equipment. U
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- P-2060 Variation of Properties of Glycerol-Water Recoil Fluids O. S. 1324 and O. D. No. 1914 with Temperature. C. M. Murphy, Jr., J. M. French. U
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- P-2062 The Effect of Chlorinated Saturants on the Mechanical and Electrical Properties of Polyvinyl Chloride Type Insulation. U
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- P-2063 Substitutes for Toluidine Red Pigment. W. H. Stewart, P. King. U
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- R-2064 Test of the Model CXBR (SN) Radar, submitted by General Electric Co. J. P. Hagen, R. B. Meyer, T. McL. Davis. U
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- B-2066 Test on Synchronous Motors, Non-Excited Type, submitted by Holtzer-Cabot Electric Co. U
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5/43 PB120543, Mi\$3.00, Ph\$6.30.
- R-2071 Test of Six Wire Wound Style A, Grade 1, Class II, Fixed Resistors, submitted by Ward Leonard Electric Co. H. A. Brinkman. U
5/43 PB120542, Mi\$1.80, Ph\$1.80.
- P-2072 The Development of Improved Petroleum Larvacides for Mosquito Control. U
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- R-2073 Tests of the SO Radar Equipment, submitted by Raytheon Manufacturing Co. J. P. Hagen, R. M. Meyer, T. McL. Davis. U
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- B-2074 Cancelled.
- P-2075 Viscosity Breakdown of Oils. U
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- S-2076 The Reflection of a Sound Pulse Normally Incident in a Liquid Medium Upon a Plane Solid Plate. U
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- B-2077 Test on Switch, Rotary, Type J, submitted by Burkaw Electric Co. J. S. Bryant. U
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- B-2078 Test on Transformer, Type GF, 100 V.A., submitted by General Electric Co. G. Pida. U
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- R-2079 General Facility and Constructional Requirements for the Model DAJ Direction Finder Installation. M. K. Goldstein. U
5/43 PB28762, Mi\$1.00, Ph\$2.00.
- B-2080 Test on Annunciators - Four Drop, submitted by Edwards and Co. U
7/43 D. T. Scuderi.
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- R-2081 Operational Tests of Special "Chaff" Developed by Radio Research Laboratory, Harvard University (Supplementary Information for RRL Engineers Harvard University, Cambridge, Mass.). L. V. Blake, L. R. Philpott. U
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- B-2082 Test on Contact Maker, Type L, submitted by Henschel Corp. U
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- B-2083 Test on Horn, Proposed Types H-10 and H-11. (Manufacturer's Type WP-1), submitted by Maslo Marine Manufacturing Co. U
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- B-2084 Test on Engine Order Telegraph System Removed from USS LAFAYETTE (AP 53). U
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- O-2085 Hardness and Ballistic Performance of Six Face Hardened Armor Plates. A. J. Hodges, A. B. J. Clark, R. L. Kahler.
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- P-2086 The Development of False Target Shell Mark I.
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- M-2087 Partial Report on the Effect of Alloying Elements on the Hardenability of Steel. I. R. Kramer, R. H. Hafner, S. L. Toleman, R. B. DeAntonio.
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- R-2088 Tests of the Mark 10 Radar, submitted by Western Electric Co.
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- R-2089 Tests of the Mark 11 Fire Control Radar Equipment - Preproduction Model No. 2, submitted by General Electric Co. J. P. Hagen, R. B. Meyer, T. McL. Davis.
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- B-2090 Test on Contact Maker, Type K-2, submitted by Betts and Betts Corp. J. S. Bryant.
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- B-2091 Cancelled.
- M-2092 The Effect of Quenching Temperature on the Results of the End-Quench Hardenability (Jominy) Test. A. L. Christenson, E. C. Neilson.
U
6/43 PB120522, Mi\$2.70, Ph\$4.80.
- R-2093 Tests of the Model SF Radar, submitted by The Submarine Signal Co. J. P. Hagen, R. B. Meyer, T. McL. Davis.
U
7/43 PB28760, Mi\$4.00, Ph\$11.00.
- R-2094 Tests of the Model SE Radar Serial No. 1, submitted by Western Electric Co. J. P. Hagen, R. B. Meyer, T. McL. Davis.
U
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- R-2095 The Design and Development of an Effective Wide-Range Airborne Radar Jamming Equipment. H. M. Bryant, R. E. White.
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- S-2097 The German Sound-Controlled Torpedo. An Analysis of its Probable Mode and Range of Operations and of Suitable Countermeasures. H. C. Hayes.
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- B-2098 Test on Transformer Type G.F., 200 VA, submitted by Dongan Electric Co. G. Pida.
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- R-2099 Effects on Shipboard of HF, DF, Radar and Homing Performance Installing of Their Antennas on a Common Mast.
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- P-2100 Cancelled.
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- R-2102 Operational Tests of Model MA Radar Equipment, submitted by Westinghouse Electric and Manufacturing Co. J. Viosich, R. T. Wilson, M. F. Distad.
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- B-2103 Test on Horn, Type H-5a, submitted by Sparks-Withington Co. J. S. Bryant.
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- B-2104 Test on Bells, Type B-1 and B-2, submitted by Federal Electric Co., Inc. D. T. Scuderi.
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- B-2105 Test on Shatterbond Coating, submitted by Wilbur and Williams Co. F. M. Holcomb, Jr., P. J. Loatman.
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- P-2106 Oxygen Source Material, XIV, The Production of Potassium Carbonate on a Pilot Plant Scale. A. S. Lehmann.
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- R-2254 Tests of Radio Sets SCR 608-A, SCR 609, and SCR 610 U.S. Army F-M Equipment. C. C. Pfitzer, M. F. Hodges. PB109283, Mi\$4.25, Ph\$12.50.
- M-2255 Molding and Casting Technique for Lightweight Anchors. U H. F. Bishop. 3/44 PB109282, Mi\$1.75, Ph\$2.50.
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- P-2257 Reflection-Reducing Coatings for Optical Surfaces. U P. King, L. Lockhart. 3/44 PB78595, Mi\$1.00, Ph\$2.00.
- M-2258 Research on the Weldability of Iron Alloys. Effect of Electrode Diameter on T-Bend Results. K. E. Fritz, D. R. Roach, J. Davenport, G. G. Luther. PB109286, Mi\$2.25, Ph\$5.00.
- R-2259 Development of Broad Band Amplifier and Modifications of RDA Radio Receiving Equipment. R. E. Ellis, J. H. Craig. PB28832, Mi\$1.00, Ph\$4.00.
- R-2260 Additional Jamming Tests Made at the Naval Research Laboratory, Chesapeake Bay Annex. J. L. Bonham, R. C. Guthrie. 5/44
- R-2261 A Directional Mk3 IFF Antenna for Use with Mk 4 Radar. 4/44 A. D. Hammes, R. J. Adams.
- O-2262 Effect of Plate Temperature on the Performance of Homogeneous Armor. P. H. Bei. 3/44
- O-2263 Velocity Loss of a 1/2-Inch Model Projectile when it Penetrates 1/32-Inch Cold Rolled Sheet Steel. G. D. Kinzer, A. C. Jantzen. PB120743, Mi\$2.40, Ph\$3.30.
- M-2264 Utilization of Fired Cartridge Cases. J. T. Robertson. 2/44 PB109263, Mi\$1.75, Ph\$2.50.
- R-2265 Test of 56Q-2 Transmitting Equipment, submitted by Collins Radio Company. U 4/44 R. D. Epperson, S. M. Rice. PB28773, Mi\$3.00, Ph\$9.00.
- H-2266 A Summary of Measurements on Infra-Red Decoys for Homing Missiles, October 1943 to March 1944. J. A. Sanderson. 3/44
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- R-2268 Models DBC and DBC-1 Direction Finding Equipment. 4/44 D. Williams, P. Z. Guarino.
- P-2269 Progress in the Study of Anti-Fouling Compositions for Protection of Flying Boat Hull Bottom II. P. King, C. L. Barber. 4/44 PB109252, Mi\$4.25, Ph\$12.50.
- P-2270 A Procedure for the Estimation of Meta- and Para-Cresols in Their Binary Mixture and in Ternary Mixture with Guaiacal. U H. L. Dnsmore. 3/44 PB109262, Mi\$2.00, Ph\$2.75.
- O-2271 The Precipitation Static Problem. IV, A Progress Report on Minneapolis Investigations. U 4/44 R. Gunn. PB120711, Mi\$3.00, Ph\$6.30.
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- P-2273 Properties of Carbide and Carbon Synthetic Polymer B-0-100 Fluids of Interest in Lubrication and Hydraulics. H. R. Baker, H. F. Fobes, G. M. Hain, C. M. Murphy, H. A. Pohl, H. Shull, M. V. Sullivan, K. L. Temple, J. K. Wolfe, W. A. Zisman. 2/44 PB78599, Mi\$3.00, Ph\$8.00.
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- O-2275 The Longitudinal Vibrations of a Projectile During Armor Penetration. A. V. H. Masket. 4/44 PB23309, Mi\$5.00, Ph\$4.00.
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- M-2277 Weldability Tests of High Tensile Steel. II, Elimination of Cracking Tendency in Welding Navy High Tensile Steel, BuShips, Welding Test No. 325. M. A. Pugacz, J. O. Mack, J. A. Rinebolt, C. O. Worden, C. E. Jackson. 4/44 PB120584, Mi\$2.70, Ph\$4.80.
- H-2278 Photometer for Night Visual Range of Light Lock Openings. E. O. Hulburt, L. H. Dawson, E. S. Estey. 4/44
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- O-2282 An Eddy Current Method for Inspection of Shell Cases. U 4/44 J. E. Dinger, J. O. Grantham. PB109320, Mi\$1.75, Ph\$2.50.
- B-2283 Test of Dummy Log Equipment, Type DL-40. P. H. Roeser. 5/44 PB120585, Mi\$3.00, Ph\$6.30.
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- R-2285 Investigation of the REL Model 575-BC Loran Transmitter, submitted by Radio Engineering Labs., Inc. M. V. Hoover. 5/44 PB109307, Mi\$4.25, Ph\$12.50.
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- P-2288 Spectrophotometric Determination of Percent Conjugation of Drying Oils. J. B. Ballentine, S. B. Crecelius, D. L. Moesta. 9/44 PB109436, Mi\$1.75, Ph\$2.50.
- R-2289 Features of Design, Preparation and Use of Naval Window. U 5/44 T. D. Hanscome. PB109437, Mi\$3.50, Ph\$10.00.
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- R-2291 The Modification and Test of the Model CXFR Jamming Transmitter. W. F. Main, Jr., L. V. Blake. 5/44 PB123271, Mi\$2.70, Ph\$4.80.
- P-2292 Identity Tests for Plasticizers of the Type Used in Polyvinyl Chloride Plastics. A. R. Jones, L. B. Lockhart, M. A. Elliott. 4/44 PB120583, Mi\$3.30, Ph\$7.80.

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- R-2294 Installation and Operation of
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- O-2331 Projectile Shock on Aircraft
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- P-2334 Oxygen Source Material. XVI., U Potassium Production by a Combination Reduction-Distillation Reaction between Sodium and Molten Potassium Salts. C. R. Witschonke. PB109112, Mi\$2.50, Ph\$6.25.
- M-2335 Design for Test Coupons for Steel Casting. U 7/44 H. F. Bishop, R. C. Wayne. PB109424, Mi\$2.50, Ph\$5.25.
- M-2336 The Thermit Process for the Production of Steel for Castings. U 7/44 R. C. Wayne.
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- R-2338 Type Test of Model TDT VHF Transmitting Equipment, Serial 83. L. G. Robbins, C. B. Davis. PB28815, Mi\$2.00, Ph\$7.00.
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- R-2358 Test of Model TDO Transmitting Equipment, submitted by Collins Radio Co. U 9/44 E. L. Hurd, A. L. Geoppinger. PB28824, Mi\$4.00, Ph\$12.00.
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- M-2363 Relaxation of NAX-9115 and SAE-4130 Alloy Steels. U 10/44 F. A. Brandt, E. A. Rominski, W. O. Baker. PB109445, Mi\$2.00, Ph\$3.75.
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- R-2366 Radio Assault Beacon. U C. R. Okonski. U 9/44 PB120704, Mi\$2.70, Ph\$4.80.
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Alkaline Storage Batteries, the Self Dis-
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I - 4844
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Alkyd Resins for Vinyl Finishes.

I - 4257
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Anodic Behavior of Zinc Alloys Used to
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Antenna Feeds for Tracking Radars.

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Anti-Corrosive Coatings for Magnesium.

I - 2835
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Antifouling Paint Studies.

I - 2591
II - 2744
III - Cancelled
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Charpy-V Transition Temperatures of
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Chemical Studies on Fungicides.

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Correlation of the Thermodynamic and Electrical Characteristics of Blast Cooled Aircraft Generators.

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III - MR 571
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Corrosion and Fouling of Sonar Equipment. (Title varies.)

I - 2477
II - 2489

Corrosion of Metals in Tropical Environments.

I - 4929
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IV - 5370
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I - 1788
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III - 1848
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Decision-Making Studies.

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I - 5257

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I - 1656
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I - 4019
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I - 5565

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Full Scale Shock Tests - USS Niagara, APA87.

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I - 2235
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IV - 2517
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High Resolution Investigation of the
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I - 5642

High Temperature Oxidation of
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I - 5506

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Investigation of Dehumidifying Agents for
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An Investigation of Electrode Processes
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Investigation of Silicone Polymer Fluids.

I - 2101
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I - 2165
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I - 3590
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I - 5693

Light Armor Investigation.

I - 1173
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I - 4422

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I - 1977
II - 1981
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I - 4191

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I - 5476

Measurement of Air Flow Through an
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I - 3961
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The Measurement of Fluctuating Radiation
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I - 3462
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Measurement of Vibration on the USS
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I - 2933
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Mechanical and Ballistic Properties of Low
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Varies.)

I - 1785
II - 2020
III - 2328

A Metallurgical Evaluation of Refractory
Compounds Containing Molten Titanium.

I - 4447
II - 4467
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Method of Estimation of the Aromaticity
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I - 1872
II - 2096

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The Microthermal Structure of the Ocean Near Key West, Florida

I - 3392
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1 - 4995
2 - 5035
3 - 5055
4 - 5065
5 - 5198
6 - 5217
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I - 4668
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V - 5142
VI - 5184
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A New Definition of a Fluid.

I - 3457
II - 3553

Noise in Tracking Radars.

I - 3759
II - 3929

NRL Shock-Fracture Test for Welded Joints.

I - 2050
II - 2163
III - 2306
IV - 2453

Oleophobic Monolayers.

I - 2206
II - 3267
III - 3674

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I - 1244
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III - 1568
IV - 1612
V - 1619
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1 - 3336
2 - 3496

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I - 4429
II - 4493

Permanent-Magnet Generators.

I - 4912
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III - 5090

Phosphate Coatings on Steel.

I - 3481
II - 3510

Photodegradation of High Polymers.

I - 5518
II - 5591

Physical Optics of Metal Plate Media.

I - 3534
II - 3599

Physical Properties of Monolayers Adsorbed at the Solid/Air Interface.

I - 4943
II - 4946
III - 5053

Plywood Finishing Systems Applicable to Airplanes and Gliders. (Title varies.)

I - 2030
II - 2188
III - 2311
IV - 2462

Portable Precision Frequency Meter.

I - 3527
II - 4070
III - 4111

Precipitation Static Problem.

I - 1919
II - 2025
III - 2243
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Preparation and Properties of Solidified Gasoline.

- I - 1346
- II - 1390
- III - 1578

Preparation of Silicone Compounds for Use in High Temperature Organic Finishes.

- I - 3870
- II - 3994

Probing into Cool Flames.

- I - 4249
- II - 4651

Projectile Shock on Aircraft Armor Supports.

- I - 2331
- II - 2496
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Propeller Shaft Torque Fluctuations in the U.S. Tug WAHTAH.

- I - 1706
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Properties of Paints as Affected by Ultraviolet Radiation in a Vacuum.

- I - 5503

Prophylaxis and Treatment of Burns Caused by Chemical Warfare Agents.

- 1 - 1898
- 2 - 1899
- 3 - 1953

Protection of Refractory Metals for High Temperature Service.

- 1 - 5550
- 2 - 5581
- 3 - 5620
- 4 - 5643

Psychological Studies of Tracking Behavior.

- I - 3248
- II - 3249
- III - 3850
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Pulse-Jet Engine.

- 1 - 2650
- 2 - 2730
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Quarterly Progress Report on the Measurement of the Physical and Chemical Properties of the Sodium-Potassium Alloy.

- I - 3010
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Rate Measurement of Marine Chronometers.

- I - 4524
- II - 4568
- III - 4645
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Reactions of Organophosphorus Acids with Isocyanates.

- I - 5360
- II - 5365

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Reflection Reducing Coatings for Glass and Transparent Plastic Surfaces.

I - 1937
II - 2008

Replacement of Tung Oil in Resins to be Used in Navy Aeronautical Finish Materials.

I - 2141
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Research on the Weldability of Iron Alloys.

I - 1258
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Resistance of Woods to Biological Deterioration in Tropical Environments.

I - 5673

Sabotage Agents for Use in Lubricants and Fuels for Internal Combustion Engines.

I - 1902
II - 1954

Scale Model Tests for High Pressure, High-Temperature Steam Piping.

I - 1884
II - 1749
III - 1829

The Separation of Water From Fuels.

I - 5685

Ship Bottom Paint Systems.

1 - 2763
2 - 2928
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Shock and Vibration Bulletin.

1 - Unnumbered
2 - 3077
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I - 5545

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I - 3478
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Silver-Silver Oxide Electrode.

I - 5561

Size Effect in Slow Bend Tests of Ni-Cr Steel.

I - Not in NRL Series
II - 2245
III - 2296

Solidification Studies on Cast Steel.

I - 1026
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Spreading Agents for Cleaning Water Surfaces of Oil Films.

I - 1930
II - 1984

Spreading Characteristics of Lubricating Oils.

I - 1595
II - 1621
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The Spreading of Liquids on Low-Energy Surfaces.

I - 3651
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Stabilization of Silicone Lubricating Liquids Above 200 C.

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I - 4394
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Studies of Grid Alloys for Submarine Storage Batteries.

I - 1052
II - 1121

Studies on the Mechanisms of the Action of Wash Primers.

I - 4605

Study of Antifouling Compositions for Protection of Flying Boat Hull Bottoms.

I - 1815
II - 2269

Study of Aromatic Fuel Resistant Tank Lining Compound. (Title varies.)

I - 1895
II - 2053

Surface Activity of Fluorinated Organic Compounds at Organic-Liquid/Air Interfaces.

I - 5244
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Surface Chemical Methods of Displacing Water and/or Oils and Salvaging Flooded Equipment.

I - 5606
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Series Report

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A System Using Phase-Modulation Transmission and Single-Sideband Reception for Long-Range Communication.

I - 3884
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Tautomerism in Phosphorus Chemistry.

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Test on Insulating Material Submitted by Hartford Firestone Co.

I - 2051
II - 2112

Theoretical Design of Primary and Secondary Cells.

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Thermodynamic Properties of Face-Centered Cubic Lattices.

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University of North Carolina, Armor Fracture Size Effect Study, see Armor Fracture Size Effect Study.

Use of Chaplets in Steel Castings.

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Use of Chemical Materials as Shark Repellants.

I - 2230
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Use of Trimethoxyboroxine for the Extinguishment of Metal Fires.

I - 4933

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Weldability Tests of High Tensile Steel.

I - 2237
II - 2277
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