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Preface

This Bibliography is divided into four sections. Section 1 lists numerically the NRL formal reports 5000 to 5500 giving the number, the security classification of the report, and the publication date at the left of the column, and the title, security classification of the title, and the authors at the right. If the report is classified as RESTRICTED DATA, or the title of the report is classified SECRET, the title has been omitted. This report should be used with NRL Report 5000, Bibliography of NRL Formal Reports Numbers 1000 to 5000.

Section 2 is an alphabetical author index of all reports 1000 to 5500 and Section 3 is an alphabetical listing of all series titles, reports 1000 to 5500. Series, for this purpose, are reports issued in more than one part and Section 3 is designed to aid the user by bringing together the various parts of such series. None of these series include serials as prepared or distributed by the U. S. Naval Research Laboratory such as the Harbor Defense and Countermeasures Bulletins, Report of NRL Progress, and NRL Quarterly on Nuclear Science and Technology.

Section 4 is a listing of reports which have had a change in classification since publication of NRL Report 5000. Thus this bibliography now becomes the authority for the current classification of reports listed herein.

A subject index is not contemplated.

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Aircraft Generators.

I - 4609
II - 4610
III - MR 571
IV - 5169

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Corrosion and Fouling of Sonar Equipment. (Title varies.)

I - 2477
II - 2489

Corrosion of Metals in Tropical Environments.

I - 4929
II - 5002
III - 5153
IV - 5370

Crack Propagation Tests of High Strength Sheet Materials.

I - 5127
II - 5263
III - 5348
IV - 5460

Current and Temperature Rise in Aircraft Cables.

I - 3587
II - 3936
III - 4142

Daytime Observation of Stars and Planets.

I - 1788
II - 1825
III - 1848
IV - 2061

Decision-Making Studies.

I - 5418

Degradation of Polymers by Ultra-Violet Irradiation.

I - 5257

Desensitization of High Explosives.

I - 4238
II - 4714
III - 4715

Eddy Current Type Flaw Detectors.

I - 1656
II - 1683
III - 1792
IV - 1837
V - 1923
VI - 2256

Efficient Armoring of Military Aircraft.

1 - MR 16
2 - MR 129
3 - MR 195
4 - MR 257
5 - MR 374
6 - MR 584
7 - 5210

Electrical Properties of Glass Fiber Paper.

I - 4019
II - 4042

Electrochemical Mechanisms of Noble- Metal/Hydrogen Systems.

I - 5091
II - 5129
III - 5171
IV - 5333

Electrophoretic Studies on Bacteria.

I - 5495

Electroplating Baths for Ultra-High Strength Steels.

I - 4906

Electrostatic Deflection Systems for Plan Position Indicators.

I - 3161
II - 3367

Examination of Toxic Agents for Fungicidal Coating Materials.

I - 2518
II - 2611
III - 2626
IV - 2628

Exposure Meter for Radiography.

I - 1801
II - 2028
III - 2214

Filter Paper Studies.

I - 3172
II - 3225
III - 3226
IV - 3299
V - 3394
VI - 3610
VII - 3611
VIII - 3983
IX - 4367

Fluidity of Cast Steel.

I - 1264
II - 1474
Summary
Report - 1657

Full Scale Shock Tests - USS Niagara, APA87.

I - 3404
II - 3417
III - 3454
IV - 3561

Fungus Inhibitive Properties of Organic Compounds.

I - 3289
II - 3403
III - 3413
IV - 3882
V - 5147

Geiger Counter Technique for X-Ray Diffraction.

I - 2235
II - 2246
III - 2434
IV - 2517
V - 2881

Guided Missile Electrical System.

I - 4392
II - 4827
III - 4828

Height-Finding Radars Based on the Image Principle.

I - 4756
II - 5062
III - 5063

High-Level Microwave Detector.

I - 4384
II - 4791

High Resolution Radar.

I - 4924
II - 4951
III - 4952
IV - 5191

Hydrides and Borohydrides of Light Elements. (Only part of this series became NRL reports.)

26 - 3107
28 - 3208

Ignition Studies.

I - 3859
II - 4202
III - 4346
IV - 4476
V - 5437

Interaction Between Electromagnetic Waves and Flames.

1 - 4232
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2 - No. 8
3 - 4866
4 - 4867
5 - 4869
6 - 5388

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SERIES REPORTS

Investigation of Cuprous Oxide Anti-Fouling Paint.

I - 2591
II - 2922

Investigation of Dehumidifying Agents for Submarines.

I - 1234
II - 1277

An Investigation of High-Resolution Radar Phenomena.

I - 3501
II - 3568

Investigation of Silicone Polymer Fluids.

I - 2101
II - 2227
III - 2481
IV - 2499
V - 2530
VI - 2681
VII - 3118
VIII - 3192

Laboratory Evaluation of Hydraulic Oils.

I - 2165
II - 2308

Laboratory Studies of Mustard Decontamination by Steam.

I - 3590
II - 3694

Light Armor Investigation.

I - 1173
II - 1429
III - 1438
IV - 1440
V - 1540
VI - 1591
VII - 1600
VIII - 1745
IX - 1778
X - 1892
XI - 2068
XII - 3636
XIII - 3670

Light Scattering in Fuels.

I - 4422

Liquid Thermal Diffusion Research.

I - 1977
II - 1981
III - 2047
IV - 2127

Long-Range Search Sonar.

I - 3467
II - 3807

Marine Borer Control.

I - 3940
II - 4409
III - 4411
IV - 4672
V - 4822
VI - 4829
VII - 4851
VIII - 5314
IX - 5363

Materials Suitable for Sound Applications.

I - 4191

Mathematical Model for Evaluating Tactical Decisions in Fleet Air Defense Games.

I - 5476

Measurement of Air Flow Through an Aircraft Generator During Flight.

I - 3961
II - 4048
III - 4355
IV - 4445

The Measurement of Fluctuating Radiation Components in the Sky and Atmosphere.

I - 3462
II - 3710

Measurement of Vibration on the USS Franklin D. Roosevelt CVB 42.

I - 2933
II - 2937

Mechanical and Ballistic Properties of Low Carbon Iron Manganese Alloys. (Title Varies.)

I - 1785
II - 2020
III - 2328

A Metallurgical Evaluation of Refractory Compounds Containing Molten Titanium.

I - 4447
II - 4467
III - 4478

Method of Estimation of the Aromaticity of Aviation Gasolines.

I - 1872
II - 2096

The Microthermal Structure of the Ocean Near Key West, Florida.

I - 3392
II - 3444

Minitrack.

1 - 4995
2 - 5035
3 - 5055
4 - 5065
5 - 5198
6 - 5217
7 - 5215
8 - 5227

Moravian Green Anti-Fouling Paint.

I - 1299
II - 1321

Naval Research Laboratory Research Reactor.

I - 4668
II - 4729
III - 5025
IV - 5077
V - 5142
VI - 5184
VII - 5189
VIII - 5196
IX - 5213
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A New Definition of a Fluid.

I - 3457
II - 3553

Noise in Tracking Radars.

I - 3759
II - 3929

Nonelectric Countermeasures for Infrared Guided Missiles.

I - 3703
II - 3704
III - 3705

NRL Shock-Fracture Test for Welded Joints.

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

Nuclear Power Problems in ONR and BuShips.

1/1/55 - 2/15/55 - 4514
2/15/55 - 4/1/55 - 4533
4/1/55 - 5/15/55 - 4562
5/15/55 - 6/30/55 - 4594
7/1/55 - 8/15/55 - 4633

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Nuclear Power Problems in ONR and BuShips. (Continued)

8/15/55 - 9/30/55 - 4656
 10/1/55 - 11/15/55 - 4678
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 1/1/56 - 4/1/56 - 4742
 4/1/56 - 5/15/56 - 4766
 5/15/56 - 6/30/56 - 4810
 7/1/56 - 8/15/56 - 4813
 8/15/56 - 10/1/56 - 4854
 10/1/56 - 12/1/56 - 4876
 12/1/56 - 2/1/57 - 4904
 3/1/57 - 4/1/57 - 4939
 4/1/57 - 6/1/57 - 4972
 6/1/57 - 8/1/57 - 5006
 8/1/57 - 10/1/57 - 5047
 10/10/57 - 11/1/57 - 5084
 12/1/57 - 2/1/58 - 5115
 2/1/58 - 4/1/58 - 5145
 4/1/58 - 6/1/58 - 5163
 6/1/58 - 8/1/58 - 5202
 8/1/58 - 10/1/58 - 5232
 10/1/58 - 12/1/58 - 5255
 12/1/58 - 2/1/59 - 5287
 2/1/59 - 4/1/59 - 5313
 4/1/59 - 6/1/59 - 5351

Oleophobic Monolayers.

I - 2206
 II - 3267
 III - 3674

Orcon.

I - S-3600-157/50
 II - S-3600-157/50
 III - S-3600-629A/51
 IV - 4105

Oxygen Source Materials.

I - 1244
 II - 1291
 III - 1568
 IV - 1612
 V - 1619
 VI - 1632
 VII - 1691
 VIII - 1702
 IX - 1701
 X - 1931
 XI - 1904
 XII - 1999
 XII Supp - 1999A
 XIII - 2026
 XIV - 2106
 XV - 2153
 XVI - 2334
 XVII - 2487
 XVIII - 2665

Panoramic Receiver CW Thresholds.

1 - 3336
 2 - 3496

Partially Fluorinated Esters and Ethers as Temperature Stable Liquids.

I - 4429
 II - 4493

Passive Bearing Finder.

1 - 3463
 2 - 3681
 3 - 3789
 4 - 3803

Permanent-Magnet Generators.

I - 4912
 II - 4931
 III - 5090

Phosphate Coatings on Steel.

I - 3481
 II - 3510

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
 IV - 2271
 V - 2280
 VI - 2281
 VII - 2309
 Concluding Report - 3199

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

Project Banquo.

I - MR 42
 II - 4548
 III - 4625
 IV - 5445

Project Clinker.

1 - MR 463
 2 - 4805
 3 - 4909
 4 - 4849
 5 - 4911
 6 - 5375
 7 - 5376
 8 - 5395
 9 - 5438

Project Dennis.

1 - 4226
 2 - 4227
 3 - 4235
 4 - 4691
 5 - 4755
 6 - 4983
 7 - 5099

Project Myopia.

5230

Project Scalar.

3345
 3347
 3348

Project Vanguard.

1 - 4700
 2 - 4717
 3 - 4728
 4 - 4748
 5 - 4787
 6 - 4800
 7 - 4815
 8 - 4832
 9 - 4850
 10 - 4860
 11 - 4880
 12 - 4890
 13 - 4900
 14 - 4910
 15 - 4930
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26 - 5102
27 - Not issued
28 - Not issued
29 - Not issued
30 - 5113
31 - 5185
32 - 5198
33 - 5215
34 - 5216
35 - 5217
36 - 5227

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
II - 1760

Prophylaxis and Treatment of Burns Caused by Chemical Warfare Agents.

1 - 1898
2 - 1899
3 - 1953

Proposed System of Electronic Recognition.

I - 3131
II - 3433

Psychological Studies of Tracking Behavior.

I - 3248
II - 3249
III - 3850
IV - 3872

Pulse-Jet Engine.

1 - 2650
2 - 2730
3 - 2859
4 - 3064
5 - 3252
6 - 3537
7 - 3741
8 - 3742

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

I - 3010
II - 3057
III - 3105
IV - 3152
V - 3201
VI - 3243
VII - 3287
VIII - 3330
IX - 3383

Radar Cross Section of Ship Targets.

I - RA-3A-213A
II - 2232
III - 2295
IV - 2332
V - 2466
VI - 2467
VII - 2524
VIII - 2793
IX - 2893

Rate Measurement of Marine Chronometers.

I - 4524
II - 4568
III - 4645
IV - 4716
V - 4812

Reactions of Organophosphorus Acids with Isocyanates.

I - 5360
II - 5365

Reflection Reducing Coatings for Glass and Transparent Plastic Surfaces.

I - 1987
II - 2008

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

I - 2141
II - 2274

Research on the Weldability of Iron Alloys.

I - 1258
II - 1303
III - 1382
Summary - 1419

Rocket Research.

1 - 3583
2 - 3641
3 - 3695
4 - 3716
5 - 3751
6 - 3829
7 - 3830
8 - 3851
9 - 3954
10 - 3946
11 - 3982
12 - 4169
13 - 4393
14 - 4407
15 - 4418
16 - 4440
17 - 4454
18 - 4489
19 - 4513
20 - 4531
21 - 5273

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 - 1684
II - 1749
III - 1829

Ship Bottom Paint Systems.

1 - 2763
2 - 2928
3 - 2946
4 - Cancelled
5 - 3011

Shock and Vibration Bulletin.

1 - Unnumbered
2 - 3077
3 - 3106
4 - 3151
5 - 3181
6 - 3200
7 - 3229
8 - 3276
9 - 3290
10 - 3377
11 - 3440
12 and after
- Not in NRL Series

Shock and Vibration Instrumentation and Measurements.

I - 2267
II - 2645

The Silver Oxide - Zinc Alkaline Primary Cell.

I - 3478
II - 3876
III - 4089
IV - 4885

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
II - 1108

Spreading Agents for Cleaning Water Surfaces of Oil Films.

I - 1930
II - 1984

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Spreading Characteristics of Lubricating Oils.

I - 1595
II - 1621
III - 1640

The Spreading of Liquids on Low-Energy Surfaces.

I - 3651
II - 3845
III - 3950

Stabilization of Silicone Lubricating Liquids Above 200°C.

1 - 5457
2 - 5474

Standard Source of Radiation for Radiac Detectors.

I - 4394
II - 5462

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
II - 5364
III - 5401

Survey of Thermal Radiation from Surface Vessels.

I - 2764
II - 2954
III - 3060

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

I - 3884
II - 4007

Tautomerism in Phosphorus Chemistry.

I - 5242
II - 5335
III - 5393

Test on Insulating Material Submitted by Hartford Faience Co.

I - 2051
II - 2112

Theoretical Design of Primary and Secondary Cells.

I - 5211
II - 5212

Thermal Evaluation of Formvar Resin.

I - 2915
II - 3191
III - 3397

Thermodynamic Properties of Face-Centered Cubic Lattices.

I - 5252

Transformation Studies of Substitute Special Treatment Steels.

I - 4650

Transmission, Reflection and Guiding of an Exponential Pulse by a Steel Plate in Water.

I - 2563
II - 2564

Tropical Performances of Fungicidal Coatings.

I - 3781
II - 4563

A Two-Unit Multicoupler for High-Power Applications in the L-F Band.

I - 4041
II - 4072

Underwater Explosion Shock in Nuclear-Powered Submarines.

I - 4288
IIA - 4292
IIIA - 4338
IVA - 4405
VA - 4443
VI - 4325
VII - 4450
VIII - 4535

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

Upper Atmosphere Research.

1 - Part I - 2955
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2 - Part I - 3030
Part II - 3031
3 - Part I - 3120
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4 - 3171
5 - 3358
6 - 3333
7 - 3446
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12 - 3733
13 - 3909
14 - 3928
15 - 3992
16 - 4016
17 - 4024
18 - 4246
19 - 4247
20 - 4267
21 - 4276
22 - 4304
23 - 4477
24 - 4576
25 - 4727
26 - 4757
27 - 4899
28 - 4940
29 - 4960
30 - 5073
31 - 5076
32 - 5087
33 - 5168
34 - 5179
35 - 5342
36 - 5345

Use of Chaplets in Steel Castings.

I - 1561
II - 1609

Use of Chemical Materials as Shark Repellants.

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

I - 4933

Vaporator.

I - 5361

Weldability Tests of High Tensile Steel.

I - 2237
II - 2277
III - 2325

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SECTION 4

**SECURITY CLASSIFICATION CHANGES
OF REPORTS 1000 - 5000**

SECURITY CLASSIFICATION CHANGES
OF REPORTS 1000 - 5000

H-1004	Secret Recognition System for Use at Night on Ships. E. O. Hulburt.	U	11/33	O-2047	Liquid Thermal Diffusion Research, III, Theory of Isotope Separation by Thermal Diffusion - I. Single Column. N. Rosen.	U	4/43	N-3386	Airborne Measurements of the Thermal Radiation from the Schnorkel and Wake of the U.S.S. DOGFISH. (C). H. L. Clark.	C	11/48
H-1036	The Problem of Visibility. E. O. Hulburt.	U	3/34	O-2127	Liquid Thermal Diffusion Research, IV. P. H. Abelson.	U	7/43	3424	Improvement of Radar Tracking.	U	2/49
M-1144	Development of Exothermic Torpedo. R. H. Canfield.	U	4/35	H-2175	Equipment and Procedure for Testing Near Infra-Red Receivers.	U	12/43	3426	A Velocity Compensator for MTI.	U	3/49
H-1230	Airplane Camouflage, Preliminary Report on Reduction of Visibility by Artificial Illumination. E. O. Hulburt.	U	1/36	H-2348	Atmospheric Transmission of Infrared Radiation. E. O. Hulburt.	U	7/44	3450	Antenna Feeds for Sequentially Lobed Radars.	U	4/49
H-1367	Attempts to Measure Visibility at Sea. E. O. Hulburt.	U	5/37	R-2554	Analysis and Specifications of Simultaneous Lobing System Tab.	U	7/45	3451	Optimum Design Criterion for Simultaneous-Lobing Antennas.	U	4/49
H-1467	Ultra-Violet Signalling Equipment Tests of January 1938. E. O. Hulburt.	U	8/38	R-2709	Attenuation of Brass Waveguide Having "Mill Finish" and "Bright Finish." E. F. McClain.	U	12/45	3470	The MTI Conversion Unit for SR-3 and SPS-6 Radars. T. H. Chambers, R. E. Ellis.	U	5/49
S-1504	A Uni-Control System for Sound Listening and Echo-Ranging. W. W. Wiseman.	U	12/38	O-2982	Liquid Thermal Diffusion. P. H. Abelson, N. Rosen, J. I. Hoover.	U	9/46	3487	Amplitude Fluctuation in Radar Echo Pulses. A. E. Hastings.	U	6/49
S-1514	Development of Electrodynamical Type of Underwater Sound Projector. P. N. Arnold, H. C. Hayes.	U	2/39	R-3042	Design and Development of Antennas and R. F. Components for Simultaneous Lobing Radar. H. L. Gerwin.	U	1/47	3521	A Polar-Coordinate Detector for Designating Targets from a Radar. P. I. J. W. Rabb.	U	8/49
S-1582	Equipment and Procedure for Standardized Projector Performance Tests. E. Klein, P. N. Arnold.	U	12/39	R-3065	A Pressurized Mercury Delay Line for Fleet Service. T. H. Chambers.	U	4/47	3532	Storage Radar. (U). R. M. Page.	C	10/49
H-1623	Signalling with Pulses of Light. J. Sweer, E. O. Hulburt.	U	6/40	R-3116	An Electronically-Lobed Tracking and Guiding Radar. O. F. Foin, Jr., P. J. Allen.	U	6/47	3565	An i-f Signal Simulator for Monopulse Radars. A. M. Lang.	U	4/49
S-1765	Analysis of Ships' Propeller Sounds (Preliminary Report). H. C. Hayes	U	7/41	R-3138	Sea Trials of the MTI Conversion Unit for SC-SK Series Search Radar. T. H. Chambers.	U	6/47	3571	Theoretical Comparison of Internal Sensitivities of Basic Fire and Missile Control Radars. S. F. George.	U	11/49
S-1793	Generation, Reception, and Properties of Damped Supersonic Waves. H. L. Saxton, H. M. Trent.	U	10/41	R-3221	Further Design and Development of Components for Simultaneous Lobing Radar TAB. H. L. Gerwin, A. E. Hastings.	U	1/48	3606	Airborne Measurements of Thermal Radiation from Submarine Wakes in the Key West Area. (C). H. L. Clark.	S	1/50
R-1945	Poor Reception of NSS Fox Schedules (18 Kc) in the Vicinity of Norfolk, Va. H. E. Dinger.	U	10/42	R-3246	The MTI Conversion Unit for SC-SK Series Radar. T. H. Chambers.	U	3/48	3608	The Development of Beacon AFC for Radar Equipment Mark 25. G. F. Wall.	U	10/49
R-1974	Test of British Type 291 Radar Equipment. L. V. Blake, J. W. Glover, Jr.	U	2/43	R-3268	Antenna Feeds for Tracking Radars. A. E. Hastings.	U	3/48	3682	Signal-to-Noise Ratio in Envelope Matching Systems. (U). S. F. George.	S	7/50
O-1977	Liquid Thermal Diffusion Research. P. Abelson.	U	1/43	R-3334	Antenna Feeds for Tracking Radars, II. A. E. Hastings.	U	8/48	3775	The Energy Spectrum of the Products of a Thermal Reaction. A. J. Ruhlig.	U	12/50
O-1981	Liquid Thermal Diffusion, II. P. H. Abelson.	U	1/43	R-3341	Compact Simultaneous-Lobing Circuits. E. Quigley, H. J. Riblet, T. S. Saad.	U	11/48	3783	Airborne Measurements of the Thermal Radiation from the Wake of the USS Irex. (U). H. L. Clark.	S	2/51

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3834	U	Use of an Electrolytic Tank in Study of Surface Electric Field Distributions. H. G. Talmadge, Jr.	10/51
3865	U	Solubility of Sodium Monoxide and of Sodium Hydroxide in Metallic Sodium. A. D. Bogard, D. D. Williams.	9/51
3885	U	A Proposed Timing Control and Monitor System for the AN/SPS-2 Radar. R. E. Ellis.	11/51
3911	U	High Power Waveguide Loads Utilizing Harp Material. A. L. Franta, W. H. Emerson.	12/51
3917	U	Development of the NRL Orcon Tactical Missile Simulator. C. F. White.	1/52
3943	U	Longer Delays from Fused-Quartz Delay Lines by Multiple Passage Techniques. R. E. Ellis.	3/52
4105	U	Orcon, Part IV. Simulated Flight Tests. E. P. Newin, Jr., F. V. Taylor, C. L. Tipton.	2/53
4129	U	Proposal for NRL Research Reactor. E. H. Krause.	2/53
4134	U	Investigation of the Graphechon Storage Tube. G. K. Jensen, C. L. Uniacke.	5/53
4164	U	Supplement to Proposal for NRL Research Reactor. E. H. Krause.	5/53
4199	C	Some Theoretical Aspects of the Sonar Graphic Indicator. (C). R. E. Roberson, S. P. Thompson, H. M. Trent.	10/53
4300	U	Review of the Scientific Program and Organization of the Naval Research Laboratory. (OUO).	1/54
4301	U	The Elevation-Function Generator for the AN/SPS-3(XB-1). J. N. Libby, H. E. Culver, L. L. Bonham.	4/54
4354	U	Analysis of Systems for the Recording of Exponential Signals. R. V. Talbot, J. R. Shipman, F. E. Huggin, C. B. Dobbie.	4/54
4428	U	Performance of a Compact Monopulse Feed Assembly. I. D. Olin, R. D. Tompkins.	9/54
4430	U	Atmospheric Control on Two Extended Dives on the USS Trout (SS566). W. E. McConnaughey, W. N. Crofford, F. S. Thomas, A. J. Andreatch.	10/54
4438	C	Radar Characteristics of Jet Exhaust Gases. (U). B. L. Lewis.	12/54
4479	U	Proposed Thermonuclear Investigation. W. H. Bennett.	12/54
4509	U	Radioactivity of the Air. I. H. Blifford, Jr., H. Friedman, L. B. Lockhart, Jr., R. A. Baus.	3/55
4756	C	Height-Finding Radars Based on the Image Principle. (U). Part I - Lobe-Counting Method on the Basis of a Flat-Earth Model. (U). L. G. McCracken.	7/56
4794	U	Evaluation of the AN/SPS-3(XB-1) Radar at the Chesapeake Bay Annex. J. N. Libby, I. C. Lantz.	9/56
4805	S	Project Clunker Report No. 2. (U). Airborne Measurements of the Widths of Submarine Wakes in the Oriente Deep. (C). C. F. Bieber, J. N. Bradford, H. L. Clark.	7/56
4958	C	An Experimental 220-MC Radar System for Airships. (U). R. L. Eilbert, A. M. Knopp, T. S. Golden, P. A. Lantz, A. G. Ferris, G. W. Hermann.	9/57
4976	U	Spectral Bandwidth of Backscatter Signals. G. K. Jensen, C. L. Uniacke.	8/57

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