



OAR
quarterly index of current
RESEARCH RESULTS

1 January - 31 March 1964

OFFICE of AEROSPACE RESEARCH
United States Air Force



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OAR Quarterly Index of

CURRENT RESEARCH RESULTS

• 1 January - 31 March 1964

OFFICE OF AEROSPACE RESEARCH

UNITED STATES AIR FORCE

WASHINGTON, D. C.

FOREWORD

The primary mission of the Office of Aerospace Research is to plan and manage the Air Force research program. This includes the areas of Physical Sciences, Environmental Sciences, Mathematical Sciences, Psychological and Social Sciences, and Biological and Medical Sciences. In addition, we carry out exploratory development for the Air Force Systems Command in the areas of Environment and Aerospace Environment. Finally, we conduct research in fields where we have special competence for the Air Force Systems Command and the Advanced Research Projects Agency, work on specific projects for the Defense Atomic Support Agency, and cooperate with the National Aeronautics and Space Administration on tasks of mutual interest.



We are aware of the urgent need to expedite the exchange of scientific and technical information within the DoD and between DoD elements and the scientific community. Personal contact has long been one of the best media for such interchange. In certain cases, this is all that is needed. But in other cases, in view of the rapidly increasing quantity of information, personal contact is not enough to meet the requirements for effective communication.

Recently, we published the OAR Cumulative Index of Research Results, 1959-1962 as a means for accelerating the interchange of scientific and technical information between scientist and scientist, and between the researcher and the user. We have received many favorable comments on it. We are also currently publishing the OAR Cumulative Index of Research Results, 1963. This first Quarterly Index for 1964 (which will be a recurring publication) continues the tradition of making available to all who can use them the results of OAR research efforts. We hope that you will find it just as useful.

A handwritten signature in cursive script that reads "Don R. Ostrander".

DON R. OSTRANDER
Major General, USAF
Commander
Office of Aerospace Research

INTRODUCTION

The OAR Quarterly Index of Current Research Results is designed:

- to identify all technical reports produced and published by the various organizations within the Office of Aerospace Research during the quarter indicated.
- to provide a record of the results of research conducted and sponsored by each OAR organization.
- to furnish a ready reference for the identification of technical reports produced by particular authors or contractors, or under certain contracts, grants or projects.

Every effort has been made to include all research results published during this quarterly reporting period (both in-house and contractor technical reports and journal articles) as well as other research products which are not technical reports per se but have resulted wholly or in part from OAR support (translations, monographs, symposia proceedings, state-of-the-art studies, reviews and textbooks). In some sections, there will be omissions in the numerically listed report numbers. This is due to the nonutilization of numbers previously assigned to a division or laboratory. Occasionally, also, a particular report was assigned a number but, for one reason or another, the report was not published. Every effort has been made, however, to include all reports published during this quarterly reporting period.

The OAR Quarterly Index of Current Research Results is divided into several parts beginning with a bibliography of the reports published during the reporting period. This bibliography is organized into sections by monitoring organizations. Within each section, the technical reports are arranged alphanumerically according to the report number assigned by each organization. Each bibliographic entry includes the following information (if available and applicable): the report number; corporate author; title and date; security classification of the report (if classified); the name(s) of the author(s); the Defense Documentation Center (DDC) accession number; the instrument (contract or grant) number; and the project and task numbers. Several indexes follow the bibliography and are keyed to it by the report numbers. These are: an author index; a corporate-author index; an instrument-number index; a project/task-number index; and a KWIC (Keyword-in-Context) index of the report titles.

Any questions concerning this publication, or suggestions for improving subsequent indexes of research results, should be directed to the Office of Scientific and Technical Information (RRYC), Hq Office of Aerospace Research, USAF, 4th and Independence Ave., S.W., Washington, D.C. 20333.

TITLES OF PROJECTS

THE FOLLOWING ARE THE TITLES OF THE PROJECTS FOR WHICH REPORTS WERE PROCESSED DURING THIS REPORTING PERIOD.

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6603	ELECTROMAGNETIC PROPAGATIONS	7679	ATMOSPHERE RESEARCH INSTRUMENTATION
6608	SOLID STATE DEVICES PHYSICS	7681	AURORAL PHYSICS
6610	COMMUNICATIONS	7683	IONOSPHERIC CHARACTERISTICS
6619	EXPLORATORY DEVELOPMENT IN PHYSICAL ELECTRONICS	7687	METEORIC PHYSICS
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6901	INFRARED-OPTIC RANGE RESEARCH	8404	METEOROLOGICAL RESEARCH
7101	SYSTEMS EFFECTIVENESS ANALYSIS	8407	RESEARCH ON PHYSICS OF IONOSPHERIC REGIONS
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6692	THERMAL CONVERSION RESEARCH	9711	RESEARCH IN COMBUSTION DYNAMICS
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6698	SATELLITE METEOROLOGY	9720	RESEARCH IN PROPULSIVE ENERGY SOURCES
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RY PARK N G III
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L G HANSCOM FIELD MASS
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BY HAASF K H
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L G HANSCOM FIELD MASS
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RY HAASF K H
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RY MIDDLETON D
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RY DE KLERK J
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RY WAIT J R
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MAGNETIC RELAXATION IN RARE EARTH SALTS, 20 SEP 1963.
BY COOKE A H
DAINTREE E J
INSTRUMENT AF 61<052>00677
PROJ/TASK 5621 04

AFCL 63 578
LAB DE PHYSIQUE PARIS FRANCE
RADIATION DAMAGE IN SEMICONDUCTORS. I. RADIATION ENHANCED
DIFFUSION IN SILICON. II. STORED ENERGY IN IRRADIATED
SEMICONDUCTORS. III. DEFECT MOBILITY IN IRRADIATED
SEMICONDUCTORS, 23 JUL 1963.
RY PARIUCH P
INSTRUMENT AF 61<052>00543
PROJ/TASK 5620 02

AFCL 63 579
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
SEQUENCES IN CONTEXT FREE LANGUAGES, 13 NOV 1963.
RY GINSBURG S
HIRSHARD T N
ULLIAN J S
INSTRUMENT AF 19<628>00485
PROJ/TASK 464146410

AFCL 63 580
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
ON RESONANCES IN THE SMITH-PURCELL EFFECT, 2 DEC 1963.
RY HESSEL A
INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFCL 63 583
NATIONAL BUREAU OF STANDARDS BOULDER COLO
THEORETICAL CALCULATIONS OF THE IMPEDANCE OF A MONOPOLE
ANTENNA WITH A RADIAL-WIRE GROUND SYSTEM ON AN
IMPERFECTLY CONDUCTING HALF-SPACE, 13 DEC 1963.
RY MALEY S J
KING R W
BRANCH L R
DDC NUMBER 428156
INSTRUMENT PRO-62-201
PROJ/TASK 4600 04

AFCL 63 585
CHU ASSOC LITTLETON MASS
MULTIPLE PLATE ANTENNA ANALYSIS, 10 DEC 1963.
RY GLASSER R
LAGACE R L
MONTVILLE W
INSTRUMENT AF 19<628>00297
PROJ/TASK 4600 07

AFCL 63 586
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
ON THE STABILITY ANALYSIS OF A TWO-WAY CONTROLLED
CARRIER TRANSMISSION SYSTEM, DEC 1963.
RY BFRSHAD N J
DDC NUMBER 428435
PROJ/TASK 5628 01

AFCL 63 587
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
THE FERROUS-FERRIC DOSIMETER - A REVIEW, DEC 1963.
RY BURKE F A
DDC NUMBER 429156
PROJ/TASK 4608 01

AFCL 63 588
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
THE "DOUBLE HELIX" ANTENNA AND ITS VARIANTS - A NEW
CLASS OF TUNABLE ENDFIRE ANTENNAS, DEC 1963.
RY FRENHSPFCK H W
PROJ/TASK 4600 04

AFCL 63 590
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
USE OF FAILURE STATISTICS IN DESIGN, DEC 1963.
RY BISHOP W R
PROJ/TASK 4608 07

AFCL 63 591
LEXINGTON LABS INC CAMBRIDGE MASS
INVESTIGATION OF HIGH TEMPERATURE THERMAL EXPANSION
DEVICES AND DESIGN OF A UNIT FOR USE WITH THERMAL IMAGE
HEATING, 15 DEC 1963.
RY FOLWELLER R C
SCHAFFER P S
DDC NUMBER 429186
INSTRUMENT AF 19<628>01616
PROJ/TASK 5634 04

AFCL 63 592
CASE INST OF TECH CLEVELAND OHIO
MULTIPOINT VOLTAGE TRANSFER FUNCTION, OCT 1963.
RY ZEREN T
INSTRUMENT AF 19<628>01699
PROJ/TASK 5635 02

APCRL 63 793
POLYTECHNIC INST OF BROOKLYN BR BRUNT N Y
PARALLEL PLATE SIMULATOR FOR A PLASMA SLAB, 6 MAY 1963.
BY SCHLAPPE J D
INSTRUMENT AF 19(600)07216
PROJ/TASK 661966191

APCRL 63 799
STEVENS INST OF TECH HOBOKEN N J
OPERATION OF A COAXIAL PLASMA ACCELERATOR, OCT 1963.
BY BARNIVILLE J F
ROSTICE W H
INSTRUMENT AF 19(600)04086
PROJ/TASK 8600 01

APCRL 63 794
MEXICO STATE U UNIVERSITY PARK
FLUSH AND NONFLUSH MOUNTED TELEMETRY ANTENNA, FLUSH
MOUNTED COMMAND CONTROL ANTENNAS, S-BAND AND C-BAND
BEACON TRANSPODER ANTENNAS, ANTENNA SYSTEMS FOR SPECIFIC
MISILES, PROOPS AND SATELLITES, 15 OCT 1963.
BY WEINSTEIN M D
MAAS H B
INSTRUMENT AF 19(600)06198
PROJ/TASK 7659 01

APCRL 63 740
MOLP RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
LONG LINE AZIMUTH DETERMINATION FROM RANGE AND OPTICAL
MEASUREMENTS, MAY 1963.
BY EARLE H B
MORONEY R W
NEWMAN W T
INSTRUMENT AF 19(620)02379
PROJ/TASK 7600 01

APCRL 63 641
NORTHEASTERN U BOSTON MASS
ON THE POSSIBILITY OF PRODUCING ARTIFICIAL AURORAS, 20
JUN 1963.
BY LANZA G
INSTRUMENT AF 19(600)07350
PROJ/TASK 66966940

APCRL 63 741
MOLP RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
MULTI-ANGULATION, MULTI-LAYERATION PROGRAMMING REPORT,
SEP 1963.
BY MORONEY R W
MOSEY J W
NEWMAN W T
INSTRUMENT AF 19(620)02379
PROJ/TASK 7600 01

APCRL 63 641
GEOPHYSICS CORP OF AMERICA WINDFORD MASS
TEMPERATURE DETERMINATION METHOD FOR PLANETARY
ATMOSPHERES, JUN 1963.
BY MINNER R A
SAUERMAN G
PETERSON L R
DOC NUMBER 427618
INSTRUMENT AF 19(620)01633
PROJ/TASK 767376731

APCRL 63 749
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
DIRECT RECORDING OF INTEGRATED BAND INTENSITIES FROM A
LINEAR WAVELENGTH SPECTROMETER, OCT 1963.
APPL OPT 7 6 611 JUN 1963
BY SCHUBIN R
WILLIAMSON D F
CLIMM S A
PROJ/TASK 8603 06

APCRL 63 641
RAYTHEON CO NORWOOD MASS
MULTIVALUED SIGNATURES OBSERVED AT VERTICAL INCIDENCE (U),
OCT 1963, SECRET.
BY THOMP G
DOC NUMBER 366636
INSTRUMENT AF 19(620)02373
PROJ/TASK 6669 01

APCRL 63 753
UTAH U SALT LAKE CITY
RADIATION HARDENING THE STANDING WAVE IMPEDANCE PROBE,
16 OCT 1963.
BY MOULLET L C
EVANS J P
BAKER R D
DOC NUMBER 629178
INSTRUMENT AF 19(620)00467
PROJ/TASK 8653 02

APCRL 63 762
HARVARD U CAMBRIDGE MASS
THE SUN'S MAGNETIC FIELD AND THE STABILITY OF SOLAR
WARRINGS, NOV 1963.
BY MARZEL D H
MORFON G
DOC NUMBER 427381
INSTRUMENT AF 19(600)04962
PROJ/TASK 7669 01

APCRL 63 763
MASSACHUSETTS INST OF TECH CAMBRIDGE
INDIRECT MEASUREMENT OF THE MEAN MERIDIONAL CIRCULATION IN
THE SOUTHERN HEMISPHERE, 1 NOV 1963.
BY GILMAN P A
INSTRUMENT AF 19(620)02408
PROJ/TASK 8628 02

APCRL 63 764
STEVENS INST OF TECH HOBOKEN N J
STUDY OF THE STABILITY OF HYDROMAGNETIC PLASMAS, NOV 1963.
BY ROSTICE W H
INSTRUMENT AF 19(600)04086
PROJ/TASK 8609 02

APCRL 63 766
RFNDIS CORP BALTIMORE MD
METEOROLOGICAL TRACKING RADAR STUDY, 31 OCT 1963.
BY HEFTRICH G R
INSTRUMENT AF 19(620)02449
PROJ/TASK 6670 02

APCRL 63 772
DARTMOUTH COLL HANOVER N H
STUDIES OF WHISTLERS AND AUDIO-FREQUENCY EMISSIONS, 19
AUG 1963.
THE PROC 67 2 FEB 1964
BY MORGAN M C
INSTRUMENT AF 19(600)03045
PROJ/TASK 8653 02

APCRL 63 774
MIAMI U CORAL GABLES FLA
COOPERATIVE EFFECTS AND PLASMA LOSSES IN A MAGNETIC FIELD,
1 MAR 1962 TO 28 FEB 1963.
BY KURSUMGLI B
INSTRUMENT AF 19(600)08082
PROJ/TASK 6696 09

APCRL 63 776
HAWAII U HONOLULU
TENDS OBSERVATIONS OF THE SUMMER CIRCULATION AND WEATHER
PATTERNS OF THE EASTERN NORTH PACIFIC, OCT 1963.
BY SADLER J C
INSTRUMENT AF 19(600)06196
PROJ/TASK 6698 02

APCRL 63 777
COLUMBIA U NEW YORK N Y
SURFACE WAVE RADIATION PATTERNS FOR UNDERGROUND NUCLEAR
EXPLOSIONS AND SMALL-MAGNITUDE EARTHQUAKES, SEP 1963.
J GEOPHYS RES 68 17 SEP 1963
BY BRINE J N
POMEROY P W
INSTRUMENT AF 19(600)07376
PROJ/TASK 8652 03

APCRL 63 778
OKLAHOMA STATE U STILLWATER
A COMBINATION TELEMETRY-TRAJECTORY SYSTEM, AUG 1963.
BY RICE B F
INSTRUMENT AF 19(600)06688
PROJ/TASK 7659 03

APCRL 63 796
INST GEOPHYSICA OPL PERU MARIKAYO
MEASUREMENTS FOR THE NIGHT SKY RADIATIONS AT THE MAGNETIC
EQUATOR, MARIKAYO, PERU, OCT 1963.
BY CASAVRDE W
GIESSECK A
INSTRUMENT AF 19(600)07213
PROJ/TASK 862786276

AFRL 63 781
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
THE 27-28 EMISSION BANDS OF CN, OCT 1963.
BY SLOFF H J JR
DDC NUMBER 428102
INSTRUMENT AF 196604006150
PROJ/TASK 7670 02

AFRL 63 782
MCDONNELL AIRCRAFT CORP ST LOUIS MO
INVESTIGATION OF MAGNETOHYDRODYNAMIC WAVES, VOL. I -
SUMMARY, VOL. II - THEORY, VOL. III - EXPERIMENTS, 30 NOV
1963.
BY JOERGE C D
DDC NUMBER 429152
DDC NUMBER 429153
DDC NUMBER 429154
INSTRUMENT AF 19662800239
PROJ/TASK 4691

AFRL 63 783
MCGILL U MONTREAL P Q CANADA
ALBERTA HALL STUDIES, 1962-1963.
BY CARTE A F
WILLIAMS G M
DOUGLAS R M
SRIVASTAVA R C
HITSCHFIELD W
DDC NUMBER 427034
INSTRUMENT AF 19662800269
PROJ/TASK 8620 04

AFRL 63 784
STANFORD RESEARCH INST MENLO PARK CALIF
ON A POINTWISE VARIATIONAL PRINCIPLE OF ELASTICITY AND
MATHEMATICAL PHYSICS, 19 AUG 1963.
BY STALLYBRASS M D
INSTRUMENT AF 19662800323
PROJ/TASK 763976392

AFRL 63 785
STANFORD RESEARCH INST MENLO PARK CALIF
AN ANALYTICAL INVESTIGATION OF CERTAIN MIXED BOUNDARY
VALUE PROBLEMS WITH A CIRCULAR LINE OF SEPARATION IN THE
BOUNDARY CONDITIONS, 28 AUG 1963.
BY STALLYBRASS M D
DDC NUMBER 428785
INSTRUMENT AF 19662800323
PROJ/TASK 763976392

AFRL 63 788
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
INTERFERENCE PROPERTIES OF PHOTONS, NOV 1963.
BY ROSS D W
DDC NUMBER 426667
PROJ/TASK 4645 02

AFRL 63 789
BROWN D ASSOC INC FDU GALLIE FLA <SUBCONTRACT TO -
INSTRUMENT CORP OF FLORIDA MELBOURNE>
STUDY OF THE FEASIBILITY OF ROCKET AND SATELLITE
APPROACHES TO THE CALIBRATION OF TRACKING SYSTEMS, 23 OCT
1963.
BY BROWN D C
BUSH N
SIRDL J L
INSTRUMENT AF 196604006493
PROJ/TASK 5930 01

AFRL 63 791
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
VOL. I, THE OCEAN BREEZE AND DRY GULCH DIFFUSION PROGRAMS,
NOV 1963, VOL. II, DEC 1963.
BY HAUGEN D A
FUQUAY J J
TAYLOR J H
DDC NUMBER 428436
DDC NUMBER 427687

AFRL 63 793
TEXAS INSTRUMENTS INC DALLAS
TERRAIN QUANTIFICATION, PHASE II - PLAYS AND MISCELLANEOUS
STUDIES, 6 OCT 1963.
BY CARR D D
BECKER R F
VAN LOFFE J R
DDC NUMBER 424544
INSTRUMENT AF 196628002786
PROJ/TASK 7628 05

AFRL 63 794
AEROSPACE RESEARCH INC BOSTON MASS
COSMIC NOISE ABSORPTION DATA COLLECTION (CND), NOV 1963.
SECRET
BY GOLDMAN S C
INSTRUMENT AF 19662800632
PROJ/TASK 8653

AFRL 63 795
STANFORD U CAL
RADAR DETECTION OF IONIZED NITRIC OXIDE IN THE LOWER
IONOSPHERE, OCT 1963.
BY COLLIN L
INSTRUMENT AF 19662800233
PROJ/TASK 8653

AFRL 63 796
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
SOLAR FLUX MEASUREMENTS AT 919 MC DURING PARTIAL ECLIPSE
OF 26 JULY 1963, OCT 1963.
BY MINER R J
DDC NUMBER 426686
PROJ/TASK 4603 02

AFRL 63 797
ST LOUIS U MO
THE DIRECTION OF MOTION AT EARTHQUAKE FOCI, 31 JUL 1963.
BY STAUDLER W
INSTRUMENT AF 196604008054
PROJ/TASK 8652 01

AFRL 63 798
STANFORD U CAL
ON THE DETERMINATION OF TEMPERATURE AND IONIC COMPOSITION
BY ELECTRON BACKSCATTERING FROM THE IONOSPHERE AND
MAGNETOSPHERE, OCT 1963.
BY MOORCRAFT D S
DDC NUMBER 428954
INSTRUMENT AF 196604007436
PROJ/TASK 5629 01

AFRL 63 799
HARVARD U CAMBRIDGE MASS
GENERATION OF RADIO WAVES AND ACCELERATION OF PARTICLES
BY THE CLASS 9 SOLAR FLARE OF 1961, DEC 1963.
PLANETARY SPACE SCI 11 897-900 1963
BY MAXWELL A
INSTRUMENT AF 196628002370
PROJ/TASK 7669 04

AFRL 63 810
PENNSYLVANIA STATE U UNIVERSITY PARK
DETERMINATION OF STRESS FROM WIND AND TEMPERATURE
MEASUREMENTS, 31 JAN 1963.
QUART J ROY METEOROL SOC 89 170 JAN 1963
BY PANOFSEY M A
INSTRUMENT AF 196604006641
PROJ/TASK 862886281

AFRL 63 816
PENNSYLVANIA STATE U UNIVERSITY PARK
MODEL EXPERIMENTS ON REFRACTION ARRIVALS FROM A LINEAR
TRANSITION LAYER, FEB 1964.
BULL SEISMOL SOC AM 54 1 1-8 FEB 1964
BY NAKAMURA Y
INSTRUMENT AF 19662800238
PROJ/TASK 8652 08

AFRL 63 827
GENERAL DYNAMICS CORP AERONAUTICS SAN DIEGO CALIF
MISSILE RADIATION IN THE LAUNCH PHASE (CND), 30 APR 1963.
SECRET.
INSTRUMENT AF 196604005544
PROJ/TASK 4786

AFRL 63 828
RADIO CORP OF AMERICA BURLINGTON MASS
PLUM MEASUREMENTS (CND), 18 FEB 1963, SECRET.
BY KAPLAN A J
INSTRUMENT AF 196604006624
PROJ/TASK 4904449050

AFRL 63 841
MARYLAND U COLLEGE PARK
SPECTROSCOPIC MEASUREMENTS ON MAGNETICALLY COMPRESSED HIGH
TEMPERATURE PLASMAS, JUL 1963.
BY GERTEL G R H
INSTRUMENT AF 19662800269
PROJ/TASK 864786471

AFRL 63 872
CHICAGO U ILL
STUDY OF THE LARGE-SCALE CIRCULATION OF THE EARTH-S
ATMOSPHERE, AUG 1963.
BY LIPP F R
INSTRUMENT AF 196604007266
PROJ/TASK 8604 04

AFRL 63 874
INSTRUMENT CORP OF FLORIDA MELBOURNE
GEOMETRIC PHOTODIAGNOSTIC RESEARCH AND TECHNIQUE
DEVELOPMENT, AUG 1963.
BY WALKER C A
INSTRUMENT AF 196604005967
PROJ/TASK 7600 03

AFRL 63 877
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
PHOTOIONIZATION AND PHOTOIONIZATION-INDUCED ION-MOLECULE
REACTIONS, 1 AUG 1963.
BY WEISLER G L
DDC NUMBER 419548
INSTRUMENT AF 196604006119
PROJ/TASK 688866880
PROJ/TASK 7635 04

AFRL 63 879
OKLAHOMA STATE U RESEARCH FOUNDATION STILLWATER
DIGITAL COMPUTER ROCKET TRAJECTORY ANALYSIS, MAY 1963.
BY COOPER G L
INSTRUMENT AF 196604006648
PROJ/TASK 7659 03

AFRL 63 888
LIEGE U BELGIUM
PHOTOMETRIC ATLAS OF THE SOLAR SPECTRUM FROM 7498
ANGSTROMS TO 12016 ANGSTROMS, 1963.
MEM SOC ROY SCI LIEGE 4 1963
BY DELROUILLE L
ROLAND G
DDC NUMBER 429050
INSTRUMENT AF 616514000962
PROJ/TASK 860186012

AFRL 63 889
HARVARD U CAMBRIDGE MASS
A WIRELESS PROBE FOR MEASURING AN ELECTROMAGNETIC
FIELD, 15 APR 1963.
BY IIZUKA K
INSTRUMENT AF 196604007262
PROJ/TASK 766176614

AFRL 63 890
MICHIGAN U ANN ARBOR MICH
THE DETERMINATION OF THE HINDERED MOTION IN HYDROGEN
DEUTERIDE FROM ITS FAR INFRARED SPECTRUM, JUN 1963.
BY HENDRICH
INSTRUMENT AF 196604006124
PROJ/TASK 8693 01

AFRL 63 893
CHICAGO U ILL
RESEARCH ON THE SOLAR-GEOPHYSICAL ASPECTS OF COSMIC
RADIATION AND MAGNETOHYDRODYNAMICS, 3 SEP 1963.
BY GINDSON J A
INSTRUMENT AF 196604004554
INSTRUMENT AF 196604001284
PROJ/TASK 860286010

AFCL 63 894
 POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
 EXPERIMENTAL STUDIES IN THE MICROWAVE PROBING OF MEDIAN
 AND WIGGLE-MODE PLASMAS
 SMITHSONIAN CONTRIB ASTROPHYS 8 3 1963
 BY STEINBERG W
 INSTRUMENT AF 19<604>08070
 PROJ/TASK 8497 07

AFCL 63 901
 HARVARD U CAMBRIDGE MASS
 TYPE IV SOLAR RADIO BURSTS, GEOMAGNETIC STORMS, AND POLAR
 CAP ABSORPTION (PCA) EVENTS, DEC 1963.
 SMITHSONIAN CONTRIB ASTROPHYS 8 3 1963
 BY BFL B
 DDC NUMBER 42716
 INSTRUMENT AF 19<604>04968
 PROJ/TASK 7649 01

AFCL 63 906
 COLUMBIA U NEW YORK N Y
 SEISMIC SIGNALS ON THE DEEP OCEAN FLOOR, 31 AUG 1963.
 BY PRENTISS D D
 INSTRUMENT AF 19<604>08357
 PROJ/TASK 8652 04

AFCL 63 909
 MCGILL U MONTREAL P Q CANADA
 LONG WAVE RADIATION AND TOTAL RADIATION BALANCE AT THE
 SURFACE IN THE ARCTIC, OCT 1963.
 BY ORVIG S
 INSTRUMENT AF 19<604>07415
 PROJ/TASK 8623 01

AFCL 63 910
 STANFORD RESEARCH INST MENLO PARK CALIF
 AN INVESTIGATION OF THUNDERSTORM DISTRIBUTION OVER
 EXTENSIVE AREAS, NOV 1963.
 BY BLACKNER R H JR
 INSTRUMENT AF 19<628>01001
 PROJ/TASK 8624 01

AFCL 63 911
 COLORADO U BOULDER
 TRANSISTORIZED RADIOMETERS AND HIGH ALTITUDE RADIATION
 MEASUREMENTS, 15 NOV 1963.
 BY PARKER R
 INSTRUMENT AF 19<604>07240
 PROJ/TASK 176439791

AFCL 63 913
 PENNSYLVANIA STATE U UNIVERSITY PARK
 THE IONIC STRUCTURE OF THE IONOSPHERE, 15 DEC 1963.
 BY SWINFR W
 DDC NUMBER 427879
 INSTRUMENT AF 19<628>01042
 PROJ/TASK 8605 02

AFCL 63 916
 COLUMBIA U NEW YORK N Y
 SEISMICITY OF THE SOUTH PACIFIC OCEAN, 1 NOV 1963.
 J GEOPHYS RES 68 21 NOV 1963
 BY SYKES L R
 INSTRUMENT AF 19<604>07376
 PROJ/TASK 8652 03

AFCL 63 915
 COLUMBIA U NEW YORK N Y
 SPECTRUM, PHASE AND GROUP VELOCITIES OF THE THEORETICAL
 SEISMOGRAMS AND THE IDEA OF THE EQUIVALENT SURFACE SOURCE
 OF DISTURBANCE, SEP 1963.
 GEOPHYS J 81 SEP 1963
 BY SATO Y
 USAMI Y
 LARDISMAN H
 INSTRUMENT AF 19<604>07376
 PROJ/TASK 8652 03

AFCL 63 916
 COLUMBIA U NEW YORK N Y
 BASIC STUDY OF THE OSCILLATION OF A SPHERE, PART V,
 PROPAGATION OF TORSIONAL DISTURBANCES ON A RADIALLY
 HETEROGENEOUS SPHERE, CASE OF A HOMOGENEOUS MANTLE WITH
 A LIQUID CORE, SEP 1963.
 GEOPHYS J 81 SEP 1963
 BY SATO Y
 USAMI Y
 LARDISMAN H
 FANG H
 INSTRUMENT AF 19<604>07376
 PROJ/TASK 8652 03

AFCL 63 917
 RAYTHEON CO WALTHAM MASS
 MULTIMODE OSCILLATIONS IN SOLID STATE MASERS, OCT 1963.
 BY STATZ M
 YANG C
 INSTRUMENT AF 19<628>01224
 PROJ/TASK 4645 02

AFCL 63 920
 WOLF RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
 CALIBRATION SATELLITE SYSTEM STUDY, 6 NOV 1963.
 BY HARRIS M R
 WICKSVY I W
 KAMLER M R
 DDC NUMBER 426799
 INSTRUMENT AF 19<628>01258
 PROJ/TASK 5930 03

AFCL 63 923
 SHEFFIELD U ENGLAND
 DECAY OF THE TRIPLET STATE, 30 SEP 1963.
 BY PORTER G
 WILFERN J W
 DDC NUMBER 427019
 INSTRUMENT AF-EGAR -0113-62
 PROJ/TASK 6696

AFCL 63 924
 PENNSYLVANIA STATE U UNIVERSITY PARK
 IONOSPHERIC RESEARCH, 31 AUG 1963.
 BY PERRARO A J
 DDC NUMBER 429187
 INSTRUMENT AF 19<604>08012
 PROJ/TASK 7649 01

AFCL 63 925
 NEW YORK U NEW YORK
 RESEARCH ON PHYSICS OF THE IONOSPHERE, 30 NOV 1963.
 BY KOROWITZ S
 DDC NUMBER 428961
 INSTRUMENT AF 19<604>04554
 PROJ/TASK 7635 07

AFCL 63 926
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
 ION DISSOCIATION IN THE DRIFT TUBE OF A TIME-OF-FLIGHT
 MASS SPECTROMETER, IV. IDENTIFICATION AND/OR PREDICTION OF
 SPURIOUS FRAGMENTS DUE TO NORMAL IONS HEAVIER THAN THE
 DISSOCIATING PARENT ION, DEC 1963.
 BY HUNT W W JR
 EFRONBY W J
 PROJ/TASK 7635 03

AFCL 63 927
 COLORADO U BOULDER
 REFLECTIVITY OF METALS IN THE EXTREME ULTRAVIOLET, DEC
 1963.
 BY THEISEN W
 DDC NUMBER 427095
 INSTRUMENT AF 19<628>00287
 PROJ/TASK 8627 03

AFCL 63 928
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 HEMISPHERIC WATER BALANCE FOR THE IGY, 1 DEC 1963.
 BY STARR V P
 PIROTO J P
 CRIST A R
 INSTRUMENT AF 19<628>02408
 PROJ/TASK 8628 02

AFCL 63 930
 HARVARD U CAMBRIDGE MASS
 SPECTRAL OBSERVATIONS OF SOLAR RADIO BURSTS, IV. THE
 EFFECTS OF FAST-DRIFT BURSTS, NOV 1963.
 ASTROPHYS J 138 1 JUL 1964
 BY HUGHES M P
 HARENFESS R L
 INSTRUMENT AF 19<628>02970
 PROJ/TASK 7649 04

AFCL 63 931
 PENNSYLVANIA STATE U UNIVERSITY PARK
 IONOSPHERIC RESEARCH, 30 NOV 1963.
 BY WAYNICE A M
 DDC NUMBER 428004
 INSTRUMENT AF 19<604>04563
 PROJ/TASK 8605 02

AFCL 63 934
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
 THEORETICAL CONSIDERATIONS OF SHEAR DEFORMATION IN ROCKS,
 DEC 1963.
 BY SPIFFR R F
 RIECKER R F
 TOWLE L C
 DDC NUMBER 428633
 PROJ/TASK 8652 11

AFCL 63 935
 COLUMBIA U NEW YORK N Y
 MODEL STUDIES OF THE EFFECT OF A SLOPING INTERFACE ON
 RAYLEIGH WAVES, 15 NOV 1963.
 J GEOPHYS RES 68 22 NOV 1963
 BY KIM J T
 THOMPSON G A
 INSTRUMENT AF 19<604>07376
 PROJ/TASK 8652 03

AFCL 63 939
 ELECTRO-MECHANICS CO AUSTIN TEX
 PART I. STABILIZATION OF THE VARIABLE-MU MAGNETOMETER,
 30 JUN 1963. PART II. AN ELECTRONIC SYSTEM FOR ANALYZING
 VARIABLE-AREA MAGNETOGRAMS, 31 MAR 1960 TO 31 MAR 1963.
 PART III. EQUIPMENT FOR MEASUREMENT OF MAGNETIC FIELD
 VARIATIONS FOR NASA PROJECT 6458, 30 APR 1963. PART IV.
 MAGNETIC VARIATIONS AT CANTON ISLAND AN TUTUILA, SOMA,
 RESULTING FROM PROJECT FISHROWL TESTS (US), 30 APR 1963.
 (COPY)
 BY MORRIS F J
 RUSKA W F A
 WATERS R L
 THORNTON F C
 CHERNOSEY F J
 COALP C R
 CARRILL J C
 DDC NUMBER 428841
 DDC NUMBER 428879
 DDC NUMBER 428271
 INSTRUMENT AF 19<604>05520
 PROJ/TASK 8601 02

AFCL 63 940
 NORTHEASTERN U BOSTON MASS
 RESEARCH IN ENERGY CONVERSION, 22 NOV 1963.
 BY FSTIGMANN M W
 BABAKIAN J
 LANZA G
 HOWAY W R
 WISS K
 WINTER D N
 INSTRUMENT AF 19<604>07358
 PROJ/TASK 66266924
 PROJ/TASK 669666942

AFCL 63 941
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
 PROPOSED ANVIL BASIC DESIGN CONSIDERATIONS, DEC 1963.
 BY RIECKER R F
 PROJ/TASK 8652 11

AFCL 63 942
 NEW YORK U NEW YORK
 UNIQUENESS THEOREM FOR A SURFACE WAVE PROBLEM IN
 ELECTROMAGNETIC DIFFRACTION THEORY, NOV 1962.
 BY MORGAN D C
 FAY S N
 DDC NUMBER 428668
 INSTRUMENT AF 19<604>05218
 PROJ/TASK 5635 02

AFCL 63 945
 HARVARD U CAMBRIDGE MASS
 IONOSPHERIC FOCUSING IN THE PRESENCE OF THE EARTH-S
 MAGNETIC FIELD, OCT 1963.
 BY PAPAGIANNIS M D
 WIGGININ G R
 INSTRUMENT AF 19<604>08120
 PROJ/TASK 8605 04

AFRL 63 946
WALES U CARDIFF
AUGER EFFECTS INVOLVING RECOMBINATION CENTRES, 13 NOV 1963
BY LANDSBERG P T
EVANS D A
RHYE-ROBERTS C
INSTRUMENT AF 6105200864
PROJ/TASK 4645 02

AFRL 63 947
OSLO U NORWAY
A NUMERICAL INTEGRATION EXPERIMENT USING THE PRIMITIVE
EQUATIONS FOR A TWO-LAYER MODEL OF THE ATMOSPHERE, 29 OCT
1963,
BY GRAMMELTVEDT A
INSTRUMENT AF 6105200529
PROJ/TASK 864186415

AFRL 63 948
MANCHESTER U ENGLAND
LABORATORY SIMULATION OF LUNAR LUMINESCENCE EXCITATION,
SEP 1963,
BY DERHAM C J
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INSTRUMENT AF 61052000179
PROJ/TASK 8602 01

AFRL 63 950
EDGERTON GERMESHAUSEN AND GRIFF INC BOSTON MASS
SATELLITE STRONG LIGHT EVALUATION, 7 AUG 1963,
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INSTRUMENT AF 19062800495
PROJ/TASK 7600 06

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UNIDIRECTIONALLY CONDUCTING SCREENS, NOV 1962,
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KARP S N
INSTRUMENT AF 19060405238
PROJ/TASK 5635 02

AFRL 64 001
RAYTHEON CO NORWOOD MASS
INVESTIGATION OF ELECTRICAL CHARACTERISTICS OF ROCK MEDIUM
ON CAPE COD, DEC 1963,
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INSTRUMENT AF 190628002362
PROJ/TASK 4600 08

AFRL 64 002
PARKE MATHEMATICAL LABS INC CARLISLE MASS
THEORETICAL CORRECTIONS FOR DETERMINING RESISTIVITY
CHANGE OF METALS CAUSED BY ELECTRON BOMBARDMENT, DEC 1963,
BY SHERMAN C H
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PROJ/TASK 5620 02

AFRL 64 004
PARKE MATHEMATICAL LABS INC CARLISLE MASS
A MATHEMATICAL MODEL FOR INPUT-OUTPUT DEVICES AND THEIR
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BY CALABI L
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INSTRUMENT AF 190628002417
PROJ/TASK 4608 05

AFRL 64 006
STANFORD RESEARCH INST MENLO PARK CALIF
CELLULAR LINEAR-INPUT LOGIC, FEB 1964,
BY MINNICK R C
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INSTRUMENT AF 190628000498
PROJ/TASK 4641 01

AFRL 64 008
BOSTON U MASS
A SPINOR FORMULATION OF ELECTROMAGNETIC THEORY IN GENERAL
RELATIVITY, 31 DEC 1963,
BY SACHS M
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AFRL 64 009
PARKE MATHEMATICAL LABS INC CARLISLE MASS
ON ERROR-CORRECTING, VARIABLE-LENGTH CODES, DEC 1963,
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INSTRUMENT AF 190604007493
PROJ/TASK 5628

AFRL 64 010
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W CROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
ANALYSIS OF MAGNETOTELLURIC MICROPULSATIONS AT WIDELY
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L'AM NATIONAL D-ESSAIS PARIS FRANCE
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INSTRUMENT AF 61052000518
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BY KLINF M
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PROJ/TASK 5631 04

AFRL 64 029
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
INVESTIGATING IONOSPHERIC DUCTING WITH THE ORBIT BEACON
JAN 1964,
BY MULLEN J P
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AFRL 64 031
PENNSYLVANIA STATE U UNIVERSITY PARK
A METHOD FOR OBTAINING INSTANTANEOUS VALUES OF
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BY MITRA A P
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PROJ/TASK 8605 02

AFRL 64 032
PENNSYLVANIA STATE U UNIVERSITY PARK
INVESTIGATION OF PHASE INTERACTION AS A MEANS FOR THE
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BY WPKSRD K
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AFRL 64 034
STANFORD RESEARCH INST MENLO PARK CALIF
ANALYSIS AND INTERPRETATION OF DAYTIME RADIATION DATA
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DAVIS P A
INSTRUMENT AF 190628002777
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MCGILL U MONTREAL P Q CANADA
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ATMOSPHERE SYSTEM IN THE ARCTIC, JAN 1964,
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AFRL 64 038
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INSTRUMENT AF 190628000392
PROJ/TASK 4608 05

AFRL 64 051
GEO-SCIENCE INC ALAMOGORDA N MEX
SOLAR RESEARCH AND DEVELOPMENT ACTIVITIES AT SACRAMENTO
PEAK OBSERVATORY, JAN 1964,
BY WADDELL J III
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PROJ/TASK 7649 01

AFRL 64 052
MCGILL U MONTREAL P Q CANADA
THE ELECTRICAL PROPERTIES OF SALINE ICF, 30 JAN 1964,
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AFRL 64 053
ARACON GEOPHYSICS CO CONCORD MASS
SYNOPTIC ANALYSIS OF TIROS III RADIATION MEASUREMENTS,
31 JAN 1964,
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DIFFERENTIAL ORBIT CORRECTION AND STATION LOCATOR PROGRAM
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HIGH DENSITY PLASMA PHYSICS, 31 JAN 1964,
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PROJ/TASK 5636 02

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16 DEC 1963,
BY SHAW J D
BARLOW C A JR
INSTRUMENT AF 190628002478
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AFRL 64 082
HAMBURGER-STERNWARTHE HAMBURG WEST GERMANY
BRIGHTNESS AND STRUCTURE OF THE HA-EMISSION IN COMETS AND
HEADS OF COMETS AND THE LIFETIMES OF THEIR MOLECULES,
1 AUG 1963,
BY WJRM K
INSTRUMENT AF 61052000583
PROJ/TASK 864786471

AFRL 64 083
MANCHESTER U ENGLAND
RESEARCH INTO METHODS OF DETERMINING THE RELATIVE HEIGHTS
OF PHOTOGRAPHIC FEATURES OF THE MOON, AUG 1963,
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LONDON U COLL ENGLAND
PROGRESS REPORT, JUL 1963,
BY BENNETT D C
FOURCIN A J
MAGDICK K
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APCRL 64 096
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AMBIGUITY IN CONTEXT FREE LANGUAGES, 2 JAN 1964.
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INSTRUMENT AF 19C628000485
PROJ/TASK 66616610

APCRL 64 100
STANFORD U CAL
THE EFFECTS OF THE AURORA ON RADIO-WAVE PROPAGATION, OCT
1963.
BY PETERSON A M
INSTRUMENT AF 19C606001830
PROJ/TASK 766176615

APCRL 64 107
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THE STUDY OF IONIC PROCESSES IN GASEOUS AFTERGLOWS, OCT
1963.
BY SMITH D
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BY EDELHANN W
INSTRUMENT AF 61C052000373
PROJ/TASK 862886280

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ON THE DISSIPATION OF KINETIC ENERGY IN THE ATMOSPHERE,
9 JUL 1962.
BY HOLOPAINEN F
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ISOLECTRONIC SEQUENCE.
BY RYLL K L
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BY CIMINO M
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BY AYER W
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RACETTE J M
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APCRL 64 149
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IONOSPHERE, AUG 1963.
BY RENAULT J
FLOOD W A
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INSTRUMENT AF 19C628000351
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APCRL 64 200
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TIME-DEPENDENT INFRARED STUDIES, DEC 1963.
BY TAYLOR J M
DDC NUMBER 628730
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RESEARCH IN AUTOMATIC BALLOON INSTRUMENTATION FOR
SELF-NODEDDED MAPPING PHOTOGRAPHY, 30 NOV 1963.
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BY TOOLEY R J
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WITH SPECIAL REFERENCE TO THE POLAR PHASE SHIFT AND THE
INITIAL PHASE, DEC 1963.
FULL EARTHQUAKE RES INST TOKYO UNIV 61 659-466 1963
BY SATO Y
USAMI T
INSTRUMENT AF 19C606002176
PROJ/TASK 8652 03

APCRL 64 207
HARVARD U CAMBRIDGE MASS
THE EVOLUTION OF SOLAR PROMINENCES AND MAGNETOHYDROSTATIC
MODELS OF THE SOLAR CORONA, FEB 1964.
SOLAR CORONA 1963 ACADEMIC PRESS INC NEW YORK N Y
BY MENZEL D H
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INSTRUMENT AF 19C606000492
PROJ/TASK 7669 01

APCRL 64 208
GENERAL ELECTRIC CO SCHENECTADY N Y
PYROMETER CORRECTION DUE TO DIMER ABSORPTION IN Cs VAPOR,
DEC 1963.
BY HOUSTON L M
DEEDRICK R W
INSTRUMENT AF 19C606000424
PROJ/TASK 8659 02

APCRL 64 209
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APPLICATION OF ELECTROOPTICS TO AURORAL STUDIES, DEC 1963.
BY SPALDING J F
ANDERSON J F
INSTRUMENT AF 19C628002166
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OZONE MEASURING DEVICES, 10 DEC 1963.
BY REGENER V H
INSTRUMENT AF 19C606002711
PROJ/TASK 8604

APCRL 64 216
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RESEARCH ON PHYSICS OF THE UPPER ATMOSPHERE, 30 JUN 1963.
BY RAFFES D B
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JARRIFT A H
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INSTRUMENT AF-EOAR -0113-62
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INFRARED DISPERSION DATA, 30 OCT 1963.
BY PRICHARD W H
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INSTRUMENT AF 61C052000691
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SPECTROSCOPIC STUDIES, PART 3, ANALYSIS OF THE
ACETALDEHYDE VIBRATION-ROTATION BAND NEAR 764 CM⁻¹, 30 OCT
1963.
BY LADD J A
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INSTRUMENT AF 61C052000691
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QUEEN'S U BELFAST NORTHERN IRELAND
A SEA-LEVEL PHOTOGRAPHIC OBSERVATION OF THE DAY AIRGLOW
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BY JARRIFT A H
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APCRL 64 221
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BY HOLOPAINEN F O
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APCRL 64 222
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ON A METHOD FOR PARAMETRIC REPRESENTATION OF THE STATE OF
THE ATMOSPHERE, 15 AUG 1963.
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APCRL 64 223
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BY BEN-DEVIDEN A
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INSTRUMENT AF 61C052000188
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APCRL 64 224
QUEEN'S U BELFAST NORTHERN IRELAND
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INSTRUMENT AF 61<052>00587
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BY PETERSON L R
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INSTRUMENT AF 19<628>01633
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A PROJECTION DIODE TECHNIQUE FOR THERMIONIC EMISSION FROM
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BY GARDNER F
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INSTRUMENT AF 19<604>08434
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AFRL 64 235
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BY THOMPSON A H
BANKS R W
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INSTRUMENT AF 19<604>08450
PROJ/TASK 669866982

AFRL 64 236
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INVESTIGATION OF RADIATION PATTERNS IN THE 8-12 MICRON
RANGE AS OBSERVED BY TIROS III OVER THE CARIBBEAN SEA
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BY MOHLER P I
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INSTRUMENT AF 19<604>08450
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AFRL 64 237
TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION
INVESTIGATION OF A TIROS III PHOTOGRAPH OF THE FLORIDA
PENINSULA TAKEN ON 14 JULY 1961. JAN 1964.
BY RANDERSON D
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INSTRUMENT AF 19<604>08450
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AFRL 64 238
TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION
AN INVESTIGATION OF TIME VARIATIONS IN A SUBTROPICAL JET
STREAM AND THE ASSOCIATED CLOUD PATTERNS AS SHOWN BY
TIROS I. FEB 1964.
BY THOMPSON A H
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INSTRUMENT AF 19<604>08450
PROJ/TASK 669866982

AFRL 64 239
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BY THOMPSON A H

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BY SUZUKI M
DDC NUMBER 262656
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DDC NUMBER 400349
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AFOSR 2944
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SYMP DYNAMICS SATELLITES PARIS FRANCE PPS1/64 MAY 1962
BY HERRICK S
DDC NUMBER 277356
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SELF-COUPLED MFSON FIELD/EQUATIONS FOR SINGLE PROPAGATORS,
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BY CAIANELLO F R
CAMPOLATTARO A
DDC NUMBER 281803
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ON THE STRUCTURE OF PREMIXED AND DIFFUSION LAMINAR
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CORNELL UNIV PP65/71 SEPT 1962
BY PEREZ DEL NOTARIO P
SANCHEZ TARIFA C
DDC NUMBER 282387
INSTRUMENT AF/EOAR /0090/62
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CATHOLIC U OF RIO DE JANEIRO BRAZIL
THE FORMATION AND DISCHARGE OF CARNAUBA WAX ELECTRETS IN
NUCLEAR RADIATION FIELDS
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BY MURPHY P V
DDC NUMBER 428415
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PROJ/TASK 9763 01

AFOSR 3487
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DDC NUMBER 285275
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EMISSIVITY MEASUREMENT OF POROUS MATERIALS
J HEAT TRANSFER P279/280 FEB 1963
BY YEWIK O F
YANG J
DDC NUMBER 430658
INSTRUMENT AF 49<638>00558
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POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
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THEORY, PART I, THE MOMENTUM EQUATION
J FLUID MECH V17 P13 PP433/449 1963
BY LIBBY P A
FOX H
INSTRUMENT AF 49<638>00217
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AFOSR 3980
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FLUID MECHANICAL AND DYNAMICAL PROBLEMS EMANATING FROM
HYPERVELOCITY FLIGHT, FINAL REPORT, NOV 1962
BY FERRI A
DDC NUMBER 292720
INSTRUMENT AF 49<638>00445
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BY KRAUSHAAR W L
CLARK G
DDC NUMBER 434412
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HERTEL J
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MIRAKAMI K
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TALLAND G A INSTRUMENT AF 49<638>00098
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RIKER P INSTRUMENT AF 61<052>00103
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RIKER P INSTRUMENT AF 61<052>00103
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RY HARTVIKSEN K DDC NUMBER 432738
SEM/JACOBSEN C W INSTRUMENT AF 61<052>00197
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RY AMES III A DDC NUMBER 432739
GURTAN R C INSTRUMENT AF 49<638>00098
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BY SEM/JACOBSEN C W DDC NUMBER 432725
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BY BLACK C C DDC NUMBER 432726
FEWSON C A INSTRUMENT AF 49<638>00798
GIRRS M PROJ/TASK 9777 01
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AFOSR 64/0181
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BY FIORENTINI A DDC NUMBER 432727
ERCOLES A M INSTRUMENT AF/EOAR /0004/63
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AFOSR 64/0182
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STIMULATIONS
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BY RONCHI L DDC NUMBER 432728
BITTINI M INSTRUMENT AF/EOAR /0004/63
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AFOSR 64/0184
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ON A RAPID EFFECT FOLLOWING STRONG LIGHT ILLUMINATION
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BY ERCOLES A M DDC NUMBER 432766
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CORNELL U ITHACA N Y
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BLACK C C INSTRUMENT AF 49<638>00798
GIRRS M PROJ/TASK 9777 01

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PITTSBURGH U PA
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BY INSELBERG F DDC NUMBER 432768
ROSENBERG J L INSTRUMENT AF/AFOSR /0349/63
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BY FRANCK J DDC NUMBER 432769
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BY JOUVEY M DDC NUMBER 432575
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BY GREGORY R L DDC NUMBER 432576 /0093/63
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BY WORCHEL P DDC NUMBER 432792
MCCORMICK R L INSTRUMENT AF 49<638>00460
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BY MC GRATH J E INSTRUMENT AF 49<638>00256
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BY GRUNBAUM R DDC NUMBER 432569 /0063/63
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BY SHAPIRO V L DDC NUMBER 432572 /0082/62
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BY BAILEY R F DDC NUMBER 432508 /0244/62
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MFAD C A INSTRUMENT AF 49<638>00940
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BY HERNER S DDC NUMBER 432518
INSTRUMENT AF 49<638>01182
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BY FAIRTHORNE R A DDC NUMBER 432520
INSTRUMENT AF 49<638>01261
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BY MOOERS C N DDC NUMBER 432522
INSTRUMENT AF/AFOSR /0461/64
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RUTGERS STATE U NEW BRUNSWICK N J
THESAURUS CONTROLS AUTOMATIC BOOK INDEXING BY COMPUTER
PROC 26TH AN MEETING AM DOC INST CHICAGO ILL P11/2 6/11
OCT 1963
BY ARTANDI S DDC NUMBER 432792
INSTRUMENT AF/AFOSR /0009/62
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AUTHORS
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G D PLENUM PRESS N Y PP357/381 1963
BY ASCARELLI G DDC NUMBER 432524
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G D PLENUM PRESS N Y PP323/355 1963
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G D PLENUM PRESS N Y PP171/190 1963
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G D PLENUM PRESS N Y PP71/121 1963
BY SCHULTZ T D DDC NUMBER 432527
INSTRUMENT AF 49<638>00528
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BY RAUB CH J DDC NUMBER 432746
ZACHARIASEN W H INSTRUMENT AF/AFOSR /0344/62
GEBALLE T H PROJ/TASK 9763 02
MATTHIAS B T

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INSTRUMENT AF 49<638>00791
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BY BERRY R S
DDC NUMBER 431491
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PROBABILITIES
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BY GOODMAN L
KRISHNA V G
DDC NUMBER 432745
INSTRUMENT AF/AFOSR /0039/62
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J INORG CHEM V2 PP1002/1004 OCT 1963
BY HARRISON D F
WAT R
DDC NUMBER 432776
INSTRUMENT AF/AFOSR /0244/62
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MINNESOTA U MINNEAPOLIS
DEOXYMERCURATION IN THE PRESENCE OF BOTH ACID AND IODIDE
ION
J ORG CHEM V20 PP3104/3108 NOV 1963
BY KREEVOY M N
STOCKER G
KRETSCHMER R A
SMITH A K
DDC NUMBER 432524
INSTRUMENT AF 49<638>00711
PROJ/TASK 9762 02

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MINNESOTA U MINNEAPOLIS
SECONDARY HYDROGEN ISOTOPE EFFECTS ON DEOXYMERCURATION
J ORG CHEM V20 PP2104/2106 AUG 1963
BY KREEVOY M N
EISEN B N
DDC NUMBER 434519
INSTRUMENT AF 49<638>00711
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A MULTI/ORGANIZATIONAL ANALYSIS
SOCIAL FORCES PP9/17 OCT 1963
BY HAAS E
HALL R H
JOHNSON N J
DDC NUMBER 432525
INSTRUMENT AF 49<638>00447
PROJ/TASK 9778 02

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ARBITRARY INJECTION LEVELS
CAN J PHYS V41 PP1010/1021 1963
BY HORITA R E
BURGESS R F
DDC NUMBER 432526
INSTRUMENT AF/AFOSR /0091/61
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YALE U NEW HAVEN CONN
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GASES
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BY MARGENAU H
JACOBSON H C
DDC NUMBER 432523
INSTRUMENT AF 18<603>00015
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ATMOSPHERIC ROSSSELAND MEAN OPACITIES
ASTROPHYS J SUPPL 80 PP277/306 19 JAN 64
BY VARDYA M S
DDC NUMBER 432527
INSTRUMENT AF/AFOSR /0171/63
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VIBRATIONAL ENERGY LEVELS OF IONIC MOLECULES BOUND BY
CLASSICAL FORCES
J CHEM PHYS V39 N10 PP2423/2428 15 NOV 63
BY PINN E J
DDC NUMBER 432528
INSTRUMENT AF/AFOSR /0160/62
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CALIFORNIA U BERKELEY
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PHYS REV V131 4S PP2305/2310 1 SEP 63
BY AMERI F
ZERACH C
DDC NUMBER 432529
INSTRUMENT AF/AFOSR /0130/63
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PROJ/TASK 9767 01
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AFOSR 64/0264
CALIFORNIA U BERKELEY
SINGULARITIES IN THE UNPHYSICAL SHEETS AND THE ISOBAR
MODEL
PHYS REV V130 06 PP2580/2592 15 JUN 63
BY HUA R C
DDC NUMBER 432530
INSTRUMENT AF/AFOSR /0130/63
PROJ/TASK 9767 01

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PRINCETON U N J
SPATIAL SEPARATION OF EVENTS IN SYMMETRY THEORY
PHYS REV V131 06 PP2020/2026 15 SEP 63
BY PROISBART M
GOLDBERGER M L
WATSON R H
DDC NUMBER 432750
INSTRUMENT AF/AFOSR /0390/62
PROJ/TASK 9751 01

AFOSR 64/0267
GEORGIA U ATHENS
A HIGH/SPEED CONSTANT/ILLUMINATION TACHISTOSCOPE
AM J PSYCOL V76 PP691/693 DEC 1963
BY ZIMMER H
BOLEN C L
NICORA B D
DDC NUMBER 432531
INSTRUMENT AF/AFOSR /0257/63
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MASSACHUSETTS INST OF TECH CAMBRIDGE
THE STATISTICAL THERMODYNAMICS OF EQUILIBRIUM
ANN PHYS N Y V25 PP48/90 OCT 63
BY TISZA L
QUAY P M
DDC NUMBER 431084
INSTRUMENT AF 49<638>00095
PROJ/TASK 9751 02

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COLUMBIA U NEW YORK N Y
LEVEL CROSSINGS IN THE 555P 3P1 STATE OF RADIOACTIVE CD107
AND CD109
PHYS REV V132 N3 PP1186/1190 NOV 63
BY THADDFUS P
MCDERMOTT M N
DDC NUMBER 431082
INSTRUMENT AF/AFOSR /0065/62
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MILLIMETER ELECTROMAGNETIC RADIATION PRODUCED BY HIGH
ENERGY ELECTRON BEAMS, FINAL REPORT, 31 JAN 1963
BY BRANNEN E
DDC NUMBER 431119
INSTRUMENT AF/AFOSR /0172/62
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MASSACHUSETTS INST OF TECH CAMBRIDGE
OPTICALLY PUMPED SOLID STATE LASERS
PROC SYM QUANTUM DEVICES OPT REGION NAT ELEC CONF CHICAGO
ILL PP1/10 OCT 63
BY MILES P A
DDC NUMBER 432744
INSTRUMENT AF/AFOSR /0317/62
PROJ/TASK 9767 02

AFOSR 64/0273
GENERAL DYNAMICS CORP CONVAIR DIV SAN DIEGO CALIF
INFRARED TRANSMISSION THROUGH THE ATMOSPHERE
APPL OPT V2 PP561/570 JUN 63
BY GREEN A F S
GRIGGS M
DDC NUMBER 432743
INSTRUMENT AF 49<638>00561
PROJ/TASK 9767 02

AFOSR 64/0274
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SPIN AND NUCLEAR MOMENTS OF 6.7/HOUR CD107
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MCDERMOTT M N
NOVICK R
DDC NUMBER 431081
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MCCORMICK W D
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NELSON R C
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DDC NUMBER 432533
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BY LINNETT J W
ROOTH M H
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CARPENTER D L
DDC NUMBER 434531
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MCBRIDE JR L E
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DESORER C A
DDC NUMBER 434530
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ROSE D J
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KALMAN R INSTRUMENT AF 49<638>01206
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SZEGO M G INSTRUMENT AF 49<638>01206
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RIEKE D C INSTRUMENT AF 49<638>01211
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MORGAN D

AFOSR 64/0365
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
FEYNMAN RULES FOR REGGE PARTICLES
PHYS REV V131 N5 PP2282/2291 1 SEP 63
BY KIRKLE T W R DDC NUMBER 434527
INSTRUMENT AF/EOAR /0087/62
PROJ/TASK 9751 01

AFOSR 64/0367
CAMBRIDGE U ENGLAND
REGGE POLES AND BRANCH CUTS FOR POTENTIAL SCATTERING
J MATH PHYS V4 N3 PP359/371 MAR 63
BY CHELLIFOUR J DDC NUMBER 434526
FDEN R J INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0368
CAMBRIDGE U ENGLAND
SINGULARITY OF THE REGGE AMPLITUDE
PHYS REV V130 N6 PP2560/2565 15 JUN 63
BY ISLAM J N DDC NUMBER 434525
LANDSHOFF P V INSTRUMENT AF/EOAR /0079/63
TAYLOR J C PROJ/TASK 9751 01

AFOSR 64/0369
CAMBRIDGE U ENGLAND
FINAL/STATE INTERACTIONS IN THE ELECTRON/INTEGRATION OF
DEUTERIUM
PHYS REV V130 N6 PP2495/2501 15 JUN 63
BY NUTTALL J DDC NUMBER 434524
WHIPPMAN M L INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0370
CAMBRIDGE U ENGLAND
SINGULARITIES OF FEYNMAN AMPLITUDES
NUOVO CIMENTO SX V29 PP729/741 1 AUG 63
BY DRUMMOND I T DDC NUMBER 434537
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0371
STANFORD U CAL
THEOREM ON THE SHRINKING OF DIFFRACTION PEAKS
PHYS REV V132 N2 PP836/837 15 OCT 63
BY FINN A C DDC NUMBER 434528
INSTRUMENT AF/AFOSR /0452/62
PROJ/TASK 9751 01

AFOSR 64/0372
CALIFORNIA U BERKLEY
BALLOON OBSERVATIONS OF THE EXTENT AND STRUCTURE OF AURORAL/
ZONE ELECTRON PRECIPITATION EVENTS
J GEOPHYS RES V68 N22 PP6069/6077 15 NOV 63
BY BROWN R R DDC NUMBER 434532
BARCUS J R INSTRUMENT AF/AFOSR /0422/62
PROJ/TASK 9774 02

AFOSR 64/0374
BRANDFIS U WALTHAM MASS
SELECTION RULES IMPOSED BY THE SYMMETRICAL SAKATA MODEL
ANN PHYS V19 N2 PP314/322 2 AUG 62
BY ISO C DDC NUMBER 434533
INSTRUMENT AF/AFOSR /0022/61
PROJ/TASK 9751 01

AFOSR 64/0375
BRANDFIS U WALTHAM MASS
TWO/NEUTRINO HYPOTHESIS AND LEPTON/BARYON SYMMETRY
NUOVO CIMENTO SX V25 PP456/458 16 JUL 62
BY ISO C DDC NUMBER 434503
INSTRUMENT AF/AFOSR /0022/61
PROJ/TASK 9751 01

AFOSR 64/0377
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
PION/PROTON DIFFRACTION SCATTERING AT VERY SMALL MOMENTUM
TRANSFERS
PHYS REV V132 N3 PP1225/1226 1 NOV 63
BY GATLAND I R DDC NUMBER 434529
MOFFAT J W INSTRUMENT AF 49<638>01211
PROJ/TASK 9751 01

AFOSR 64/0378
CAMBRIDGE U ENGLAND
ON THE ANALYTIC CONTINUATION OF THE SCATTERING AMPLITUDE
THROUGH A THREE/PARTICLE CUT
NUOVO CIMENTO SX V28 PP1318/1336 16 JUN 63
BY OLIVE D I DDC NUMBER 434535
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0379
CAMBRIDGE U ENGLAND
UNIQUENESS AND THE EVALUATION OF DISCONTINUITIES / II
NUOVO CIMENTO SX V29 PP326/335 16 JUL 63
BY OLIVE D I DDC NUMBER 434534
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0380
CORNELL U ITHACA N Y
INTENSITY INCREASE OF KIKUCHI LINES DURING ELECTRON
BOMBARDMENT
J APPL PHYS V33 N2 PP764/765 FEB 62
BY YODA E DDC NUMBER 433073
INSTRUMENT AF/AFOSR /0007/62
PROJ/TASK 9761 03

AFOSR 64/0381
CORNELL U ITHACA N Y
REDUCTION OF CONTAMINATION IN REFLECTION ELECTRON
DIFFRACTION
J APPL PHYS V33 N4 PP1419/1422 APR 62
BY YODA E DDC NUMBER 433071
SIEGEL R M INSTRUMENT AF/AFOSR /0007/62
PROJ/TASK 9761 03

AFOSR 66/0901
ILLINOIS U URBANA
RADIOTRACER MEASUREMENT OF THE ADSORPTION ENERGY OF SILVER
FROM POLYBUTADIENE AND NICKEL
J CHEM PHYS V50 N1 PP169/174 1 JUL 63
BY VON GOLDFR E
PFAECKE R N
DOC NUMBER 432748
INSTRUMENT AF 49C630>00049
PROJ/TASK 9761 03

AFOSR 66/0902
ILLINOIS U URBANA
MOSSBAUER DETERMINATIONS OF ISOMERIC SHIFT AND QUADRUPOLE
SPLITTING IN SOME 1129 COMPOUNDS
PHYS LETTERS V5 N3 PP217/220 1 JUL 63
BY FJ HAARD M
FJ PASCHALL G
HAPPEWEISTFR D
DOC NUMBER 432749
INSTRUMENT AF 49C630>01048
PROJ/TASK 9761 03

AFOSR 66/0903
WESTINGHOUSE ELECTRIC CORP WASHINGTON D C
MIGRATION OF A LIQUID ZONE THROUGH A SOLID PART II
J APPL PHYS V36 N9 PP2763/2767 SEP 63
BY TILLER W A
DOC NUMBER 432747
INSTRUMENT AF 49C630>01029
PROJ/TASK 9761 02

AFOSR 66/0904
ILLINOIS U URBANA
LIFETIME OF THE 26.0 KEV STATE OF 1129
PHYS LETTERS V5 N2 P99 1 DEC 63
BY DE HAARD M
BARWELL W M
HAPPEWEISTFR D
DOC NUMBER 434516
INSTRUMENT AF 49C630>01048
PROJ/TASK 9761 03

AFOSR 66/0905
NEW YORK U NEW YORK
A GEOMETRIC TEST/SYNTHESIS PROCEDURE FOR A THRESHOLD DEVICE
INFORM CONTROL V6 N4 PP381/398 DEC 63
BY KASSMAN D
DOC NUMBER 435052
INSTRUMENT AF/AFOSR /0024/63
PROJ/TASK 9769 02

AFOSR 66/0906
ARIZONA U TUCSON
A DELTA/SIGMA MODULATION SYSTEM FOR TIME DELAY AND ANALOG
FUNCTION STORAGE
AFOSR SCIENTIFIC REPORT JAN 1964
BY MAROLF R M
MAROLF R M
DOC NUMBER 434539
INSTRUMENT AF/AFOSR /0089/64
PROJ/TASK 9769 01

AFOSR 66/0907
ARIZONA U TUCSON
A HYBRID ANALOG/DIGITAL PSEUDO-RANDOM NOISE GENERATOR
AFOSR SCIENTIFIC REPORT JAN 1964
BY HAMPTON R L Y
INSTRUMENT AF/AFOSR /0089/64
PROJ/TASK 9769 01

AFOSR 66/0908
NEW YORK U NEW YORK
ON THE SYNTHESIS OF THRESHOLD DEVICES
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BY KASSMAN D
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PROJ/TASK 9769 02

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INDIANA U RESEARCH FOUNDATION BLOOMINGTON
INFORMATION STRUCTURES IN LINGUISTICS: FINAL REPORT, DEC
1963
BY SEBECH T A
DOC NUMBER 433001
INSTRUMENT AF/AFOSR /0072/63
PROJ/TASK 9769 05

AFOSR 66/0910
ARIZONA U TUCSON
A HYBRID ANALOG/DIGITAL PARAMETER OPTIMIZER FOR ASTRAC II
AFOSR SCIENTIFIC REPORT ACL MEMO 90 JANUARY 1964
BY MITCHELL JR B A
DOC NUMBER 434539
INSTRUMENT AF/AFOSR /0089/64
PROJ/TASK 9769 01

AFOSR 66/0400
MASSACHUSETTS INST OF TECH CAMBRIDGE
YIELD AND ANGULAR DISTRIBUTION OF CERENKOV RADIATION FROM
EXTENSIVE AIR SHOWERS
PROC 65TH INTR/AM SEM COSMIC RAYS LA PAZ BOLIVIA
PPBLV/1/BLV/7 17/27 JUL 1962
BY KASHA M
ORFEN Y
INSTRUMENT AF 49C630>00922
PROJ/TASK 9774 02

AFOSR 66/0411
ILLINOIS U URBANA
RESEARCH IN THE PHYSICS OF SOLIDS: FINAL REPORT,
30 DEC 1963
BY SPITZ F
DOC NUMBER 432717
INSTRUMENT AF 49C630>00928
PROJ/TASK 9761 01

AFOSR 66/0412
ILLINOIS INST OF TECH CHICAGO
SUPPRESSION OF THE BAUSCHINGER EFFECT AND CHANGES IN FLOW
PATTERN OF DUCTILE METALS CAUSED BY CYCLIC TORSIONAL
STRAINS
ANN MEETING 66 AM SOC TESTING WATER ATLANTIC CITY N J PP1/
11 23/28 JUN 1963
BY POLAKOWSKI R M
DOC NUMBER 432137
INSTRUMENT AF 49C630>00308
PROJ/TASK 9769

AFOSR 66/0414
SYRACUSE U RESEARCH INST N Y
PARAMAGNETIC DEFORMATION IN SMALL PARTICLES
INT COMP PARAMAGNETIC RESONANCE LOW M ED ACADEMIC PRESS V2
PP490/492 1963
BY WOODS A
DOC NUMBER 435063
INSTRUMENT AF/AFOSR /0425/63
PROJ/TASK 9763 02

AFOSR 66/0417
MICHIGAN U EMMETT
OPTICAL ABSORPTION IN CAD SINGLE CRYSTALS
J PH S CHEM SOLIDS V24 PP1101/1104 1963
BY WELBY V I
FRMP J C
DOC NUMBER 435064
INSTRUMENT AF/AFOSR /0180/62
PROJ/TASK 9763 02

AFOSR 66/0418
MICHIGAN U EMMETT
WAVE FUNCTIONS FOR F CENTERS IN MgO
PHYS REV V132 N1 PP215/223 1 OCT 1963
BY WELBY V I
FRMP J C
DOC NUMBER 435015
INSTRUMENT AF/AFOSR /0180/62
PROJ/TASK 9763 02

AFOSR 66/0419
ROCHESTER U N Y
VARIATIONAL THEORY OF PARAMAGNETIC IMPURITIES IN VAN DER
WAALS CRYSTALS
PHYS REV V131 N5 PP2056/2069 1 SEP 1963
BY SMITH D V
DOC NUMBER 435015
INSTRUMENT AF/AFOSR /0145/62
PROJ/TASK 9761 01

AFOSR 66/0420
RUTGERS STATE U NEW BRUNSWICK N J
INTERPRETATION OF DEBYE-WALLER FACTORS
PHYS REV V132 N7 PP644/647 15 OCT 1963
BY FELDMAN J L
MORTON G E
DOC NUMBER 435014
INSTRUMENT AF/AFOSR /0167/62
PROJ/TASK 9761 01

AFOSR 66/0422
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
DYNAMIC MAGNETORESISTANCE LOOPS OF COLD WIRRED NICKEL AT
LOW TEMPERATURES
CRYOGENICS V3 N4 247/243 DEC 63
BY HIRSCH A A
FELDMAN J L
VITRELEVY A
INSTRUMENT AF 61C052>00481
PROJ/TASK 9763 02

AFOSR 66/0424
CALIFORNIA U LA JOLLA
MECHANISM FOR SUPERCONDUCTIVITY IN LANTHANUM AND URANIUM
PHYS REV LETTERS V11 N5 PP205/207 1 SEP 1963
BY HAMILTON D C
JENSEN W A
DOC NUMBER 435068
INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 02

AFOSR 66/0425
ILLINOIS U URBANA
THE GRAIN BOUNDARY / A SYSTEM FOR THE STUDY OF SURFACES
ANN NY ACAD SCI ARTICLE 3 V101 23 PP857/868 23 JAN 1963
BY MAROLF R M
DOC NUMBER 435907
INSTRUMENT AF 49C630>00417
PROJ/TASK 9763 02

AFOSR 66/0426
ABERDEEN U SCOTLAND
THE ROLE OF ORIENTED TRANSFORMATIONS IN MINERALOGY
MINERALOGICAL SOC AM SPECIAL PAPER 1 1963 INTERNATL
MINERALOGICAL ASSOC PAPERS THIRD GENERAL MEETING
BY GLASSER L S D
GLASSER F P
TAYLOR M F W
DOC NUMBER 435909
INSTRUMENT AF 61C052>00276
PROJ/TASK 9761 03

AFOSR 66/0427
ILLINOIS U URBANA
NEW METHOD FOR THE MEASUREMENT OF SURFACE ELECTRICAL
CONDUCTIVITY OF SI AND GE BY CLEAVAGE
APPL PHYS LETTERS V3 N6 PP66/67 15 SEP 1963
BY MAROLF R M
DOC NUMBER 435908
INSTRUMENT AF 49C630>00417
PROJ/TASK 9763 02

AFOSR 66/0428
MASSACHUSETTS INST OF TECH CAMBRIDGE
ANTISHIELDING OF MAGNETIC AND ELECTRIC HYPERFINE
INTERACTIONS IN OPEN SHELL IONS
PHYS REV V131 N6 PP2566/2573 15 SEP 1963
BY FELDMAN J L
WATSON R F
DOC NUMBER 434317
INSTRUMENT AF 19C604>01344
PROJ/TASK 9764

AFOSR 66/0429
CHICAGO U ILL
POLARIZATION CONDUCTIVITY IN P-TYPE GERMANIUM
PHYS REV V132 N1 PP178/188 1 OCT 1963
BY GOLIN S
DOC NUMBER 436282
INSTRUMENT AF/AFOSR /0178/62
PROJ/TASK 9763 02

AFOSR 66/0431
ABERDEEN U SCOTLAND
CRYSTAL CHEMISTRY OF SOME AB2O4 COMPOUNDS
J AM CERAM SOC V66 N8 PP1772/180 AUG 1963
BY GLASSER F P
GLASSER L S D
DOC NUMBER 436368
INSTRUMENT AF 61C052>00276
PROJ/TASK 9761 03

AFOSR 66/0432
ABERDEEN U SCOTLAND
CRYSTALLOGRAPHY OF THE CaGa2O4 POLYMORPHS
Z KRIST V110 PP257/262 1963
BY JEEVARATNAM J
GLASSER F P
GLASSER L S D
DOC NUMBER 436369
INSTRUMENT AF 61C052>00276
PROJ/TASK 9761 03

AFOSR 66/0434
WESTINGHOUSE ELECTRIC CORP WASHINGTON D C
PREFERRED CASTING ORIENTATIONS OF HIGH-PURITY ZINC AND TIN
TRAN: MET SOC AME V227 PP1633/1636 DEC 1963
BY ROLLING G F
FRAMP J J
TILLER W A
DOC NUMBER 436367
INSTRUMENT AF 49C630>01029
PROJ/TASK 9761 02

AFOSR 64/0435
MINNESOTA U MINNEAPOLIS
ELECTRON SPIN RESONANCE STUDIES OF IMPURITIES IN II-VI
COMPOUNDS
INT CONF PARAMAGNETIC RESONANCE JERUSALEM LOW W ED ACADEMIC
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RY AIZINS P DDC NUMBER 433067
ORTON J W INSTRUMENT AF/AFOSR /0054/62
WERTZ J E PROJ/TASK 9761 03

AFOSR 64/0436
MARYLAND U COLLEGE PARK
CORRECTIONS TO THE DIELECTRIC CONSTANT OF A DEGENERATE
ELECTRON GAS
PHYS REV V129 N3 PP1399/1410 1 FEB 63
RY GLICK A J DDC NUMBER 433086
INSTRUMENT AF/AFOSR /0046/62
PROJ/TASK 9761 01

AFOSR 64/0437
MARYLAND U COLLEGE PARK
LOCALIZED MODE DETECTION BY MEANS OF THE MOSSBAUER EFFECT
PHYS REV V131 N2 PP535/539 15 JUL 63
RY DINHOFFER A D DDC NUMBER 435651
INSTRUMENT AF/AFOSR /0046/62
PROJ/TASK 9761 01

AFOSR 64/0438
MARYLAND U COLLEGE PARK
EQUIVALENCE OF THE BRYSC APPROXIMATION AND THE
DETERMINANTAL METHOD
PHYS REV V129 N5 PP2340/2341 1 MAR 63
RY FALK D S DDC NUMBER 433069
INSTRUMENT AF/AFOSR /0046/62
PROJ/TASK 9761 01

AFOSR 64/0440
CHICAGO U ILL
SELF-DIFFUSION OF LIQUID ZINC
J PHYS CHEM V67 PP2353/2355 NOV 1963
RY NACHTRIEF N H DDC NUMBER 435654
FRAGE INSTRUMENT AF/AFOSR /0231/62
WAHL C PROJ/TASK 9761 03

AFOSR 64/0442
CALIFORNIA U LA JOLLA
SEARCH FOR SUPERCONDUCTIVITY IN THE HYDRIDES OF LANTHANUM
J PHYS CHEM SOLIDS V24 PP1375/1377 1963
RY MERRIAM M F DDC NUMBER 435665
SCHREIBER D S INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 02

AFOSR 64/0443
ILLINOIS U URBANA
DIFFUSION OF OXYGEN AND NITROGEN BETWEEN SPECIAL
INTERSTITIAL SITES IN SOLID SOLUTION IN YTTERBIUM
TRANS MET SOC AIME V230 PP16/19 FEB 64
RY MAH G DDC NUMBER 436175
WERT C INSTRUMENT AF/AFOSR /0192/62
PROJ/TASK 9763 01

AFOSR 64/0444
ILLINOIS U URBANA
PRECIPITATION IN GOLD/NICKEL ALLOYS
TRANS MET SOC AIME V230 PP255/256 FEB 64
RY GIBALA R DDC NUMBER 434416
INSTRUMENT AF/AFOSR /0192/62
PROJ/TASK 9763 01

AFOSR 64/0448
ALABAMA U UNIVERSITY
TEMPERATURE DEPENDENCE OF THE PURE QUADRUPOLE RESONANCE
FREQUENCY AND SPIN/LATTICE RELAXATION TIME IN NARBO3 AT LOW
TEMPERATURE
J CHEM PHYS V39 N10 PP2730/2735 15 NOV 63
RY TIPSWORD R F DDC NUMBER 436173
MOULTON W G INSTRUMENT AF/AFOSR /0043/61
PROJ/TASK 9763 03

AFOSR 64/0449
NAPLES U ITALY
RENORMALIZATION GROUP AND COMPLETENESS OF FIELD THEORIES,
NUCLEON/PION COUPLINGS,
NUOVO CIMENTO V27 5X PP1185/1207 1 MAR 63
RY CAIANIELLO E R DDC NUMBER 436172
MARINARO M INSTRUMENT AF 61<052>00434
PROJ/TASK 9761 01

AFOSR 64/0450
WASHINGTON U SEATTLE
SIMPLE HEAT SWITCH FOR LOW TEMPERATURE USE
REV SCI INSTR V34 N11 PP1276/1277 NOV 63
RY DASH J G DDC NUMBER 435921
STEGWARTH J INSTRUMENT AF 49<638>01004
PROJ/TASK 9763 03

AFOSR 64/0455
ROCHESTER U N.Y.
ELECTRONIC BAND STRUCTURE AND WANNIER EXCITON STATES IN
SOLID KRYPTON
PHYS REV V132 44 PP1591/1599 15 NOV 63
RY FOWLER W R DDC NUMBER 435917
INSTRUMENT AF/AFOSR /0145/62
PROJ/TASK 9761 01

AFOSR 64/0456
CAMBRIDGE U ENGLAND
WORK/HARDENING IN NIOBIUM SINGLE CRYSTALS
PHIL MAG V8 N95 PP1895/1920 NOV 63
RY MITCHELL T E DDC NUMBER 435916
FOXALL R A INSTRUMENT AF 61<052>00098
HIRSCH P R PROJ/TASK 9763 01

AFOSR 64/0457
MADRID U SPAIN
CRYSTAL GROWTH, I₀ GROWTH VELOCITIES IN CONDITIONS OF
COMPETENCE, SPANISH,
BOL REAL SOC ESPAN HIST NAT SECC GEOL V61 PP187/200 1963
RY AMOROS J L DDC NUMBER 435667
MARTIN J F INSTRUMENT AF/EDAR /0092/62
TAVIRA P PROJ/TASK 9761 03

AFOSR 64/0448
CALIFORNIA U LA JOLLA
SUPERCONDUCTIVITY
REV MOD PHYS V39 N1 PP1/22 JAN 63
RY MATTHIAS B T DDC NUMBER 435666
GIBALLE T H INSTRUMENT AF/AFOSR /0344/62
COMPTON V B PROJ/TASK 9763 02

AFOSR 64/0449
CALIFORNIA U LA JOLLA
SUPERCONDUCTIVITY IN THE INDIUM/TIN SYSTEM
PHYS REV V131 N2 PP637/643 15 JUL 63
RY MERRIAM M F DDC NUMBER 435661
VON HERZEN M INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 02

AFOSR 64/0460
CALIFORNIA U LA JOLLA
BRILLOUIN ZONE EFFECTS, SUPERCONDUCTIVITY, AND FERMI
SURFACE OF INDIUM ALLOYS
PHYS REV LETTERS V11 N7 PP321/323 1 OCT 63
RY MERRIAM M F DDC NUMBER 435904
INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 02

AFOSR 64/0461
CALIFORNIA U LA JOLLA
INDUCENT OF SUPERCONDUCTIVITY BY VARIATION OF STRUCTURAL
PARAMETERS
PHYS REV LETTERS V11 N7 P313 1 OCT 63
RY ARRHENIUS G DDC NUMBER 435662
RAUB C J INSTRUMENT AF/AFOSR /0344/62
HAMILTON D C PROJ/TASK 9763 02
MATTHIAS B T

AFOSR 64/0463
TEXAS U AUSTIN
SOME THERMOELECTRIC PROPERTIES OF POLYCRYSTALLINE LANTHANUM
TELLURIDE, LATE1,7 TO LATE2,0
J APPL PHYS V39 N9 PP2917/2918 SEP 63
RY RANSFV T H DDC NUMBER 435660
STEINFINK H INSTRUMENT AF/AFOSR /0237/62
WFISS E J PROJ/TASK 9761 02

AFOSR 64/0464
PITTSBURGH U PA
ELECTRICAL RESISTIVITY OF FERROMAGNETIC METALS AT LOW
TEMPERATURES
PHYS REV V132 N2 PP542/558 15 OCT 63
RY GOODINGS D A DDC NUMBER 435659
INSTRUMENT AF/AFOSR /0196/63
PROJ/TASK 9761 01

AFOSR 64/0465
CALIFORNIA U RIVERSIDE
SCATTERING OF SPIN WAVES BY MAGNETIC DEFECTS
PHYS REV V132 N5 PP2003/2009 1 DEC 63
RY CALLAWAY J DDC NUMBER 435658
INSTRUMENT AF/AFOSR /0318/62
PROJ/TASK 9761 01

AFOSR 64/0468
MASSACHUSETTS INST OF TECH CAMBRIDGE
SEARCH FOR FERROMAGNETICALLY TRAPPED MAGNETIC MONOPOLES OF
COSMIC/RAY ORIGIN
PHYS REV V132 N1 PP387/396 1 OCT 63
RY GOTO E DDC NUMBER 435657
KOLM H H INSTRUMENT AF 19<604>07344
FORD K W PROJ/TASK 9764

AFOSR 64/0469
MASSACHUSETTS INST OF TECH CAMBRIDGE
MAGNETIC/FIELD DEPENDENCE OF FREE/CARRIER ABSORPTION IN
SEMICONDUCTORS
PHYS REV V132 N1 PP97/104 1 OCT 63
RY RIBBYNA J Y DDC NUMBER 435655
BRODWIN M F INSTRUMENT AF 19<604>07344
PROJ/TASK 9764

AFOSR 64/0470
MASSACHUSETTS INST OF TECH CAMBRIDGE
QUANTUM OSCILLATIONS OF THE ULTRASONIC ABSORPTION IN LEAD
FLUORIDE
PHYS LETTERS V7 N2 PP133/134 1 NOV 63
RY SHAPIRA Y DDC NUMBER 435649
LAX B INSTRUMENT AF 19<604>07344
PROJ/TASK 9764

AFOSR 64/0471
HEBREW U JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRUM OF GADOLINIUM IN LAAlO3
PHYS REV V130 N1 PP144/150 1 APR 63
RY LOW W DDC NUMBER 435656
ZUSMAN A INSTRUMENT AF/EDAR /0064/63
PROJ/TASK 9763 03

AFOSR 64/0475
GENERAL ELECTRIC CO SCHENECTADY N Y
RESEARCH ON THE INTERACTION OF GASES WITH NONMETALLIC
SURFACES, FINAL REPORT, FEB 1964
RY EHRLICH G DDC NUMBER 434843
MCCARROLL B INSTRUMENT AF 49<638>00791
PROJ/TASK 9760 03

AFOSR 64/0482
CORNELL U ITHACA N Y
ELECTROMAGNETIC SCATTERING - MOLECULAR FORCES
PROC INTERDISCIPLINARY CONF POTSDAM N Y AUG 62
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ED KFKER M THE MACMILLAN CO N Y 1963
INSTRUMENT AF/AFOSR /0012/62
PROJ/TASK 9760 03

AFOSR 64/0483
GENERAL ELECTRIC CO SCHENECTADY N Y
TRAPPING AND ENERGY TRANSFER IN ATOMIC COLLISIONS WITH A
CRYSTAL SURFACE, II, IMPURITIES
J CHEM PHYS V39 N5 PP1317/1326 1 SEPT 1963
RY MCCARROLL B DDC NUMBER 435655
INSTRUMENT AF 49<638>00791
PROJ/TASK 9760 03

AFOSR 66/0691
STANFORD U CAL
THE PHYSIOLOGY OF CRUSTACEAN INTERNEURONS. FINAL REPORT.
FEB 1964
BY KENNEDY D
DDC NUMBER 435919
INSTRUMENT AF/AFOSR /0147/62
PROJ/TASK 9777 01

AFOSR 66/0696
MASSACHUSETTS INST OF TECH CAMBRIDGE
APPLICATIONS OF GLOBAL ANALYSIS TO MODERN THEORETICAL
PHYSICS. FINAL REPORT. 27 DEC 1963
BY SPGAL I F
DDC NUMBER 435905
INSTRUMENT AF/AFOSR /0229/62
PROJ/TASK 9749 01

AFOSR 66/0697
CALIFORNIA U BERKLEY
TWO VACUUM POLES AND PION/NUCLEON SCATTERING
PHYS REV V130 N2 PP820/827 15 APR 63
BY TAI K
DDC NUMBER 436378
INSTRUMENT AF/AFOSR /0373/62
PROJ/TASK 9751 01

AFOSR 66/0698
CALIFORNIA U BERKLEY
PHI OMEGA MIXING
PHYS REV LETTERS V11 N1 PP48/49 1 JUL 63
BY GLASHOW S L
DDC NUMBER 436201
INSTRUMENT AF/AFOSR /0373/62
PROJ/TASK 9751 01

AFOSR 66/0699
CALIFORNIA U BERKLEY
ELEMENTARY PARTICLE THEORY OF COMPOSITE PARTICLES
PHYS REV V130 N2 PP776/781 15 APR 63
BY WFINNBERG S
DDC NUMBER 436366
INSTRUMENT AF/AFOSR /0373/62
PROJ/TASK 9751 01

AFOSR 66/0900
CALIFORNIA U BERKLEY
ANALYTICITY AND UNITARITY OF GENERAL TRANSITION AMPLITUDES
NUOVO CIMENTO 58 V26 PP168/176 OCT 62
BY DRAGT A J
KARPLUS R
DDC NUMBER 436168
INSTRUMENT AF/AFOSR /0373/62
PROJ/TASK 9751 01

AFOSR 66/0901
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AF OAR AEROSPACE RESEARCH LABS SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO	ARL 64 008 ARL 64 046 ARL 64 050		
AF OAR AEROSPACE RESEARCH LABS THERMOMECHANICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO	ARL 64 033		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD MASS	AFOSR 63 026		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB L G HANSCOM FIELD MASS	AFOSR 63 533 AFOSR 63 543 AFOSR 63 559 AFOSR 63 560 AFOSR 63 561 AFOSR 63 586		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS	AFOSR 63 791		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS	AFOSR 63 545 AFOSR 63 588 AFOSR 64 010		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS	AFOSR 63 749 AFOSR 63 788		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS	AFOSR 63 534 AFOSR 63 546 AFOSR 63 587 AFOSR 63 590		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB L G HANSCOM FIELD MASS	AFOSR 64 029		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS	AFOSR 63 934 AFOSR 63 941		
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS	AFOSR 63 796 AFOSR 63 926		
AF OAR OFFICE OF AEROSPACE RESEARCH WASHINGTON D C	OAR 64 001 OAR 64 002 OAR 64 003		
AF OAR OFFICE OF RESEARCH ANALYSES HOLLoman AFB N MEX	ORA 63 014 ORA 63 016		
AGRICULTURAL U WAGENINGEN NETHERLANDS	AFOSR 64/0105		
ALABAMA U UNIVERSITY	AFOSR 64/0448		
ALFRED U N Y	ARL 64 054		
AMERICAN SCIENCE AND ENGINEERING INC CAMBRIDGE MASS	AFOSR 63 518		
ANTIOCH COLL YELLOW SPRINGS OHIO	ARL 64 039		
ARACON GEOPHYSICS CO CONCORD MASS	AFOSR 64 053 AFOSR 64 202		
ARIZONA STATE U TEMPE			AFOSR 64/0205
ARIZONA U TUCSON			AFOSR 4642 AFOSR 5178 AFOSR 5179 AFOSR 64/0392 AFOSR 64/0393 AFOSR 64/0397 AFOSR 64/0561 AFOSR 64/0562 AFOSR 64/0563 AFOSR 64/0564
ARMY RESEARCH OFFICE DURHAM N C			AFOSR 64/0308 AFOSR 64/0309 AFOSR 64/0310 AFOSR 64/0312 AFOSR 64/0313 AFOSR 64/0315 AFOSR 64/0323 AFOSR 64/0324 AFOSR 64/0327 AFOSR 64/0330 AFOSR 64/0332 AFOSR 64/0333 AFOSR 64/0337 AFOSR 64/0338 AFOSR 64/0339 AFOSR 64/0340 AFOSR 64/0347
ATLANTIC RESEARCH CORP ALEXANDRIA VA			AFOSR 64/0124
BATTELLE MEMORIAL INST COLUMBUS OHIO			AFOSR 4401 AFOSR 4407
BENDIX CORP BALTIMORE MD			AFOSR 63 766
BIRMINGHAM U ENGLAND			AFOSR 64 107
BOSTON U MASS			AFOSR 64 008 AFOSR 4750
BRANDEIS U WALTHAM MASS			AFOSR 4456 AFOSR 64/0374 AFOSR 64/0375 AFOSR 64/0557
BRITISH COLUMBIA U VANCOUVER CANADA			AFOSR 64/0259
BROWN D ASSOC INC FAU GALLIE FLA <SUBCONTRACT TO - INSTRUMENT CORP OF FLORIDA MELBOURNE>			AFOSR 63 789
BRUSSELS FREE U BELGIUM			AFOSR 3487 AFOSR 64/0057 AFOSR 64/0076 AFOSR 64/0077 AFOSR 64/0078 AFOSR 64/0276 AFOSR 64/0279
BUCKNELL U LEWISBURG PA			AFOSR 64/0203
BUFFALO U N Y			AFOSR 4559
CALIFORNIA INST OF TECH PASADENA			ARL 64 023 AFOSR 2249 AFOSR 2750 AFOSR 4604 AFOSR 4627 AFOSR 64/0111 AFOSR 64/0158 AFOSR 64/0228 AFOSR 64/0281 AFOSR 64/0282 AFOSR 64/0581
CALIFORNIA RESEARCH CORP LA HABRA CALIF			AFOSR 64 205
CALIFORNIA U BERKELEY			AFOSR 63 381 AFOSR 63 396 AFOSR 63 550 AFOSR 4439 AFOSR 4516 AFOSR 4549 AFOSR 4614 AFOSR 64/0007 AFOSR 64/0040 AFOSR 64/0123 AFOSR 64/0199 AFOSR 64/0261 AFOSR 64/0263 AFOSR 64/0264 AFOSR 64/0314 AFOSR 64/0317 AFOSR 64/0318 AFOSR 64/0319 AFOSR 64/0320 AFOSR 64/0321 AFOSR 64/0322 AFOSR 64/0326

	APOSR 04/0371	APOSR 04/0269
	APOSR 04/0407	APOSR 04/0276
	APOSR 04/0408	APOSR 04/0301
	APOSR 04/0409	APOSR 04/0370
	APOSR 04/0500	APOSR 04/0371
	APOSR 04/0501	
	APOSR 04/0502	COMMUNICATION RESEARCH INTL MIAMI FLA
	APOSR 04/0504	APOSR 04/0176
	APOSR 04/0604	COMPUTER ASSOC INC BARTLETT CT
	APOSR 04/0574	AFCLR 03 399
	APOSR 04/0584	CONNECTICUT U STORRS
	APOSR 04/0586	APOSR 04/0200
		CONN ELECTRIC CO MORTON GROVE ILL
		CRA 03 013
CALIFORNIA U LA JOLLA	APOSR 04/0250	CORNELL AERONAUTICAL LAB INC BUFFALO N Y
	APOSR 04/0474	AFCLR 04 149
	APOSR 04/0447	ARL 04 026
	APOSR 04/0458	ARL 04 027
	APOSR 04/0459	ARL 04 041
	APOSR 04/0460	ARL 04 047
	APOSR 04/0461	APOSR 3107
		APOSR 04/0140
CALIFORNIA U LOS ANGELES	APOSR 2947	AFCLR 03 572
	APOSR 04/0026	APOSR 0476
	APOSR 04/0027	APOSR 0511
	APOSR 04/0028	APOSR 0999
	APOSR 04/0029	APOSR 04/0094
	APOSR 04/0030	APOSR 04/0088
	APOSR 04/0031	APOSR 04/0090
		APOSR 04/0187
		APOSR 04/0189
		APOSR 04/0180
		APOSR 04/0381
		APOSR 04/0487
CALIFORNIA U RIVERSIDE	APOSR 04/0357	AFCLR 03 772
	APOSR 04/0404	APOSR 04/0202
CAMBRIDGE U ENGLAND	APOSR 04/0192	APOSR 04/0109
	APOSR 04/0367	AFCLR 03 334
	APOSR 04/0368	APOSR 04/0048
	APOSR 04/0369	APOSR 04/0049
	APOSR 04/0370	APOSR 04/0050
	APOSR 04/0378	APOSR 04/0201
	APOSR 04/0379	APOSR 04/0185
	APOSR 04/0446	APOSR 04/0180
	APOSR 04/0527	APOSR 04/0381
	APOSR 04/0576	APOSR 04/0487
	APOSR 04/0575	
	APOSR 04/0577	
	APOSR 04/0588	
CANTERBURY U CHRISTCHURCH NEW ZEALAND	APOSR 04/0306	AFCLR 03 772
CARNEGIE INST OF TECH PITTSBURGH PA	APOSR 04/0290	APOSR 04/0202
CASE INST OF TECH CLEVELAND OHIO	AFCLR 03 392	APOSR 04/0109
	APOSR 3102	AFCLR 03 334
	APOSR 04/0206	APOSR 04/0048
	APOSR 04/0573	APOSR 04/0049
		APOSR 04/0050
CATHOLIC U OF AMERICA WASHINGTON D C	APOSR 4361	APOSR 04/0201
CATHOLIC U OF CHILE SANTIAGO	APOSR 04/0019	AFCLR 03 950
	APOSR 04/0099	APOSR 04/0081
	APOSR 04/0100	APOSR 04/0081
		AFCLR 03 939
		ARL 04 049
		APOSR 4396
		APOSR 3341
		APOSR 04/0771
CATHOLIC U OF LOUVAIN BELGIUM	APOSR 4396	APOSR 0467
CATHOLIC U OF RIO DE JANEIRO BRAZIL	APOSR 3467	APOSR 04/0087
		APOSR 04/0518
		APOSR 04/0519
		APOSR 04/0534
		APOSR 04/0535
		APOSR 04/0536
CENTRE NATIONAL D-ETUDES DE LA RECHERCHE SCIENTIFIQUE LYON FRANCE	APOSR 04/0079	APOSR 04/0011
	APOSR 04/0107	APOSR 04/0012
		APOSR 04/0014
CENTRE NATIONAL D-ETUDES DE PHYSIOLOGIE NERVEUSE ET D-ELECTROPHYSIOLOGIE PARIS FRANCE	APOSR 04/0166	APOSR 0466
	APOSR 04/0171	APOSR 0422
	APOSR 04/0172	APOSR 04/0173
		APOSR 04/0179
CENTRO DI STUDIO PER LA FISICA MICRODOSI FLORENCE ITALY	AFCLR 03 042	AFCLR 03 827
CENTRO RADIOELETTRICO SPERIMENTALE ROMA ITALY	AFCLR 04 108	AFCLR 03 893
		APOSR 1013
		APOSR 3171
		APOSR 04/0159
		APOSR 04/0204
		APOSR 04/0294
		APOSR 04/0629
		APOSR 04/0640
CHU ASSOC LITTLETON MASS	AFCLR 03 905	GENERAL DYNAMICS CORP AERONAUTICS SAN DIEGO CALIF
CINCINNATI U OHIO	ARL 04 037	AFCLR 03 827
CLEVITE CORP PALO ALTO CALIF	AFCLR 03 338	ARL 04 055
		APOSR 04/0274
COLORADO STATE U RESEARCH FOUNDATION FORT COLLINS	APOSR 6375	GENERAL ELECTRIC CO SANTA BARBARA CALIF
		AFCLR 03 521
COLORADO U BOULDER	AFCLR 03 911	GENERAL ELECTRIC CO SCHENECTADY N Y
	AFCLR 03 927	AFCLR 04 135
	APOSR 04/0196	AFCLR 04 248
	APOSR 04/0540	AFCLR 04 249
		APOSR 04/0241
		APOSR 04/0474
		APOSR 04/0484
COLUMBIA U NEW YORK N Y	AFCLR 03 308	GENERAL HILLS INC ST PAUL MINN
	AFCLR 03 322	AFCLR 04 024
	AFCLR 03 777	ARL 04 015
	AFCLR 03 906	AFCLR 04 051
	AFCLR 03 914	AFCLR 03 061
	AFCLR 03 915	AFCLR 04 237
	AFCLR 03 916	APOSR 04/0267
	AFCLR 03 935	APOSR 04/0267
	AFCLR 04 206	APOSR 04/0267
	APOSR 4965	AFCLR 04 109
	APOSR 04/0136	AFCLR 04 537
		APOSR 0415
		GEOPHYSICS CORP OF AMERICA BEDFORD MASS
		SPRINGTOWN U WASHINGTON D C
		GEORGIA U ATHENS
		GERMAN WEATHER SERVICE DORTMUND WEST GERMANY
		GHANA U COLL LEGON
		GIANNINI CONTROLS CORP MALVERN PA

GUSTAVUS ADOLPHUS COLL ST PETER MINN	AFOSR 64/0005 AFOSR 64/0198	LAVAL U QUEBEC CANADA	AFOSR 64/0017
HAMBURGER-STERNWARTEN HAMBURG WEST GERMANY	AFOSR 64/002	LEHIGH U BETHLEHEM PA	ARL 64 003
HARVARD U CAMBRIDGE MASS	AFOSR 63 189 AFOSR 63 303 AFOSR 63 762 AFOSR 63 799 AFOSR 63 889 AFOSR 63 901 AFOSR 63 930 AFOSR 63 945 AFOSR 64 207 AFOSR 64/0016 AFOSR 64/0520	LEICESTER U ENGLAND	AFOSR 64/0090
HAWAII U HONOLULU	AFOSR 63 710 AFOSR 63 776	LExINGTON LABS INC CAMBRIDGE MASS	AFOSR 63 591
HEBREW U JERUSALEM ISRAEL	AFOSR 4589 AFOSR 5061 AFOSR 64/0209 AFOSR 64/0211 AFOSR 64/0213 AFOSR 64/0471	LIEGE U BELGIUM	AFOSR 63 888 AFOSR 64 226 AFOSR 64 227
HEARNER AND CO WASHINGTON D C	AFOSR 64/0230 AFOSR 64/0232 AFOSR 64/0236 AFOSR 64/0238	LITTLE ARTHUR D INC CAMBRIDGE MASS	AFOSR 63 547
HOWARD U WASHINGTON D C	AFOSR 64/0220	LITTON INDUSTRIES INC WALTHAM MASS	AFOSR 63 548
HP ASSOC PALO ALTO CALIF	AFOSR 63 553	LOCKHEED AIRCRAFT CORP BURBANK CALIF	AFOSR 63 705
HUMAN SCIENCES RESEARCH INC ARLINGTON VA	AFOSR 64/0194	LONDON U COLL ENGLAND	AFOSR 64 086 AFOSR 4400
ILLINOIS INST OF TECH CHICAGO	AFOSR 64/0412	LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND	AFOSR 64/0365 AFOSR 64/0521 AFOSR 64/0530
ILLINOIS U URBANA	AFOSR 63 549 ARL 64 004 ARL 64 053 AFOSR 4473 AFOSR 4492 AFOSR 4821 AFOSR 64/0246 AFOSR 64/0247 AFOSR 64/0248 AFOSR 64/0249 AFOSR 64/0343 AFOSR 64/0385 AFOSR 64/0386 AFOSR 64/0390 AFOSR 64/0411 AFOSR 64/0425 AFOSR 64/0427 AFOSR 64/0443 AFOSR 64/0444 AFOSR 64/0510	LYON U FRANCE	AFOSR 64/0006 AFOSR 64/0007 AFOSR 64/0191
INDIANA U BLOOMINGTON	AFOSR 64/0001	MADRID U SPAIN	AFOSR 64/0457
INDIANA U RESEARCH FOUNDATION BLOOMINGTON	AFOSR 64/0396	MANCHESTER U ENGLAND	AFOSR 63 948 AFOSR 64 083 AFOSR 64/0165
INNSBRUCK U AUSTRIA	AFOSR 64/0303	MARBURG U WEST GERMANY	AFOSR 64/0284
INST GEOFISICA DEL PERU HUANCAYO	AFOSR 63 736	MARSEILLE U FRANCE	AFOSR 64/0018
INST NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN	AFOSR 3196 AFOSR 64/0151	MARTIN MARIETTA CORP RIAS INC BALTIMORE MD	AFOSR 2944 AFOSR 64/0080 AFOSR 64/0082 AFOSR 64/0094 AFOSR 64/0095 AFOSR 64/0097 AFOSR 64/0098 AFOSR 64/0355 AFOSR 64/0356 AFOSR 64/0361 AFOSR 64/0362 AFOSR 64/0363 AFOSR 64/0364 AFOSR 64/0377 AFOSR 64/0577
INSTRUMENT CORP OF FLORIDA MELBOURNE	AFOSR 63 874	MARYLAND U COLLEGE PARK	AFOSR 63 851 AFOSR 4213 AFOSR 4536 AFOSR 5134 AFOSR 64/0139 AFOSR 64/0243 AFOSR 64/0358 AFOSR 64/0359 AFOSR 64/0436 AFOSR 64/0437 AFOSR 64/0438
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y	AFOSR 63 510	MASSACHUSETTS GENERAL HOSPITAL BOSTON	AFOSR 64/0169 AFOSR 64/0174 AFOSR 64/0175 AFOSR 64/0177
INTERNATIONAL TELEPHONE AND TELEGRAPH CORP NUTLEY N J	AFOSR 63 542	MASSACHUSETTS INST OF TECH CAMBRIDGE	AFOSR 63 328 AFOSR 63 341 AFOSR 63 544 AFOSR 63 555 AFOSR 63 556 AFOSR 63 557 AFOSR 63 575 AFOSR 63 763 AFOSR 63 928 AFOSR 64 068 ARL 64 036 AFOSR 4077 AFOSR 5042 AFOSR 64/0032 AFOSR 64/0035 AFOSR 64/0036 AFOSR 64/0037 AFOSR 64/0038 AFOSR 64/0110 AFOSR 64/0118 AFOSR 64/0148 AFOSR 64/0149 AFOSR 64/0248 AFOSR 64/0272 AFOSR 64/0341 AFOSR 64/0400 AFOSR 64/0428 AFOSR 64/0468 AFOSR 64/0469 AFOSR 64/0470 AFOSR 64/0494 AFOSR 64/0541 AFOSR 64/0548 AFOSR 64/0549 AFOSR 64/0583
IOWA STATE U OF SCIENCE AND TECH AMES	AFOSR 4563 AFOSR 64/0128 AFOSR 64/0225 AFOSR 64/0226 AFOSR 64/0280 AFOSR 64/0585		
ISRAEL INST OF TECH HAIFA	ARL 64 011 ARL 64 030		
ISTITUTO ELECTROTECNICO NAZIONALE TURIN ITALY	AFOSR 4581		
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY	AFOSR 64/0103 AFOSR 64/0181 AFOSR 64/0182 AFOSR 64/0183 AFOSR 64/0184		
ITEK CORP VIDYA INC PALO ALTO CALIF	ARL 64 032		
KANSAS U LAWRENCE	AFOSR 64/0023 AFOSR 64/0024 AFOSR 64/0155		
KEELE U ENGLAND	AFOSR 4583		
LAB DE PHYSIQUE PARIS FRANCE	AFOSR 63 578		
LAB FOR ELECTRONICS INC TRACERLAB WALTHAM MASS	AFOSR 63 388		
LAB NATIONAL D-ESSAIS PARIS FRANCE	AFOSR 64 022		
LA PLATA NATIONAL U ARGENTINA	AFOSR 64/0555 AFOSR 64/0556	MAX-PLANCK-INST FUR STROMUNGSFORSCHUNG GOETTINGEN WEST GERMANY	AFOSR 64/0117
		MAX-PLANCK-INST FUR ZELLENEMIE MUNICH WEST GERMANY	AFOSR 64/0083 AFOSR 64/0084

ROCKWELL AIRCRAFT CORP ST LOUIS MO
ROSELL U MONTREAL P Q CANADA

APCRL 63 782

APCRL 63 783
APCRL 63 809
APCRL 64 895
APCRL 64 897

ROXBOROUGH U MONTREAL ONTARIO CANADA

APOSR 64/0130
APOSR 64/0137
APOSR 64/0139
APOSR 64/0176

ROSLER INC FALLS CHURCH VA

APCRL 63 966
APOSR 64/0091

ROSEN U CORAL GABLES FLA

APCRL 63 775

RICHMOND STATE U EAST LANSING

APOSR 6499
APOSR 6799

RICHMOND U ANN ARBOR MICH

APCRL 63 163
APCRL 63 164
APCRL 63 890
ARL 64 809
ARL 64 810
ARL 64 829
ARL 64 863
APOSR 6410
APOSR 6994

RICHWEST RESEARCH INST KANSAS CITY MO

APOSR 64/0074

RIJAN U ITALY

APOSR 64/0297

MINISTRY OF POSTS AND TELECOMMUNICATIONS TOKYO JAPAN

APCRL 63 609

MINNESOTA U MINNEAPOLIS

APCRL 63 362
APOSR 6477
APOSR 64/0163
APOSR 64/0221
APOSR 64/0259
APOSR 64/0296
APOSR 64/0303
APOSR 64/0439

MISSISSIPPI U UNIVERSITY

APOSR 64/0131

MORGANTHAU RESEARCH CORP DAYTON OHIO

ARL 64 812

MOTHELA INC SCOTTSDALE ARIZ

APCRL 63 873

MURLES U ITALY

APOSR 3963
APOSR 64/0649

NATIONAL BUREAU OF STANDARDS DENVER COLO

APCRL 63 974
APCRL 63 983

NATIONAL BUREAU OF STANDARDS WASHINGTON D C

ARL 64 891

NAVY OFFICE OF NAVAL RESEARCH WASHINGTON D C

APOSR 64/0311
APOSR 64/0329
APOSR 64/0336
APOSR 64/0336
A/OSR 64/0364
APOSR 64/0369
APOSR 64/0366
APOSR 64/0368
APOSR 64/0369
APOSR 64/0371
APOSR 64/0372

NEW MEXICO STATE U UNIVERSITY PARK

APCRL 63 906

NEW MEXICO U ALBUQUERQUE

APCRL 64 212

NEW SOUTH WALES U SYDNEY, NS

APOSR 64/0002

NEW YORK STATE U STATE COLLEGE

APCRL 63 300
APCRL 63 301

NEW YORK U NEW YORK

APCRL 63 370
APCRL 63 392
APCRL 63 373
APCRL 63 967
APCRL 63 966
APCRL 64 888
APOSR 6370
APOSR 64/0143
APOSR 64/0079
A/OSR 64/0291
APOSR 64/0296
APOSR 64/0009
APOSR 64/0560

NORTH AMERICAN AVIATION INC DONNEY CALIF

APOSR 6607

NORTH CAROLINA U CHARLOTTE, N.C.

APOSR 6606

NORTH CAROLINA STATE U RENO

APOSR 64/0070

NOTRE DAME U NOTRE DAME

APCRL 63 661
APCRL 63 660

NOTRE DAME U EVANSTON ILL

APOSR 64/0112
APOSR 64/0130
APOSR 64/0130

NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT LILLET NORWAY

APCRL 63 970
APCRL 63 971
APCRL 64 881

NOVA ORS U SOUTH ORS 140

APCRL 64 234

NUCLEAR RESEARCH ASSOC INC LONG ISLAND CITY N Y

APCRL 63 380

OHIO STATE U COLUMBUS

APCRL 64 203

OHIO STATE U RESEARCH FOUNDATION COLUMBUS

APCRL 63 781
APOSR 64/0008
APOSR 64/0009
APOSR 64/0010
APOSR 64/0257
APOSR 64/0277

OKLAHOMA STATE U STILLWATER

APCRL 63 778

OKLAHOMA STATE U RESEARCH FOUNDATION STILLWATER

APCRL 63 879

OREGON STATE U CORVALLIS

APOSR 6659

OREGON U EUGENE

APOSR 6696
APOSR 64/0067
APOSR 64/0217
APOSR 64/0417
APOSR 64/0418
APOSR 64/0372

OSLO U OSLO

APCRL 63 967

OSSERVATORIO ASTRONOMIC DI ROMA ROME ITALY

APCRL 64 116

OXFORD U ENGLAND

APCRL 63 531
APCRL 63 576
APOSR 64/0059
APOSR 64/0106
APOSR 64/0178
APOSR 64/0305

PARIS U FRANCE

ARL 64 844
ARL 64 845

PARK MATHEMATICAL LABS INC CARLISLE MASS

APCRL 63 598
APCRL 64 002
APCRL 64 004
APCRL 64 009

PENNSYLVANIA STATE U UNIVERSITY PARK

APCRL 63 810
APCRL 63 816
APCRL 63 913
APCRL 63 924
APCRL 63 931
APCRL 64 031
APCRL 64 037
APOSR 64/0253
APOSR 64/0290

PENNSYLVANIA U PHILADELPHIA

APOSR 64/0010

PETRI-ELMER CORP NORWALK CONN

APCRL 64 201

PHILED CORP BLUE BELL PA

APCRL 63 526
APCRL 63 539

PHYSICAL STUDIES INC CENTERVILLE OHIO

APCRL 63 697

PICEARD AND BURNS INC WALTHAM MASS

APCRL 63 725

PITTSBURGH U PA

ARL 64 027
APOSR 4568
APOSR 64/C186
APOSR 64/0187
APOSR 64/0464

POLYTECHNIC INST OF BROOKLYN FREEPORT N Y

APCRL 63 512
APCRL 63 519
APCRL 63 523
APCRL 63 580
APCRL 63 593
APCRL 63 899
ARL 64 040
APOSR 1711
APOSR 3980
APOSR 4376
APOSR 64/0325
APOSR 64/0331
APOSR 64/0350

PRINCETON U N J

ARL 64 007
APOSR 4562
APOSR 5379
APOSR 5440
APOSR J 18
APOSR 64/0146
APOSR 64/0265
APOSR 64/0519
APOSR 64/0576
APOSR 64/0537
APOSR 64/0592
APOSR 64/0593

PURDUE RESEARCH FOUNDATION LAFAYETTE IND

APOSR 6695
APOSR 6696

PURDUE U LAFAYETTE IND

APOSR 6567

QUEENS COLL FLUSHING N Y

APOSR 64/0108

QUEENS U BELFAST NORTHERN IRELAND

APCRL 64 112
APCRL 64 216
APCRL 64 220
APCRL 64 224
APCRL 64 224

RADIO CORP OF AMERICA RINGLINGTON MASS

APCRL 64 874

RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J

APCRL
APCRL

	APCRL 63 929 APCRL 63 930 AFOSR 64/0167	STEVENS INST OF TECH HOBOKEN N J	APCRL 63 739 APCRL 63 764 AFOSR 64/0166
RAYTHEON CO NORWOOD MASS	APCRL 63 790 APCRL 64 001	STOCKHOLM U SWEDEN	APCRL 64 110 APCRL 64 221 APCRL 64 222 AFOSR 64/0070
RAYTHEON CO WALTHAM MASS	APCRL 63 917	SYDNEY U AUSTRALIA	AFOSR 64/0943 AFOSR 64/0944 AFOSR 64/0945
RCA VICTOR CO LTD MONTREAL P O CANADA	APCRL 63 941	SYLVANIA ELECTRIC PRODUCTS INC WALTHAM MASS	APCRL 63 393 APCRL 63 394 APCRL 63 395 APCRL 63 396
RENSSELAER POLYTECHNIC INST TROY N Y	ARL 64 005 AFOSR 4377 AFOSR 4555 AFOSR 4564 AFOSR 64/0144	SYRACUSE U RESEARCH INST N Y	AFOSR 64/0414
RHODE ISLAND U KINGSTON	APCRL 63 913 APCRL 63 719	SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF	APCRL 63 579 APCRL 64 094
ROCHESTER U N Y	AFOSR 4125 AFOSR 4127 AFOSR 4129 AFOSR 4624 AFOSR 64/0051 AFOSR 64/0052 AFOSR 64/0053 AFOSR 64/0419 AFOSR 64/0455 AFOSR 64/0903 AFOSR 64/0900 AFOSR 64/0911 AFOSR 64/0913 AFOSR 64/0914	TECHNICAL OPERATIONS INC BURLINGTON MASS	APCRL 63 706
ROCKFORD RESEARCH INST CAMBRIDGE MASS	AFOSR 64/0234	TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL	AFOSR 64/0422
ROYAL COLL OF SCIENCF AND TECH GLASGOW SCOTLAND	AFOSR 4582	TECHNISCHE HOCHSCHULE AACHEN WEST GERMANY	ARL 64 020
RUTGERS STATE U NEW BRUNSWICK N J	AFOSR 4643 AFOSR 64/0235 AFOSR 64/0420	TECHNISCHE HOCHSCHULE MUNICH WEST GERMANY	AFOSR 64/0021 AFOSR 64/0009
SAARLAND U SAARBRUCKEN WEST GERMANY	AFOSR 64/0200	TECHNISCHE HOCHSCHULE VIENNA AUSTRIA	ARL 64 052
SAN ANDRES U MAYOR LA PAZ BOLIVIA	AFOSR 64/0033 AFOSR 64/0034	TEMPLE U PHILADELPHIA PA	APCRL 63 663
SOUTHERN CALIFORNIA U PASADENA	AFOSR 4566	TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION	APCRL 64 235 APCRL 64 236 APCRL 64 237 APCRL 64 238 APCRL 64 239
SHEPPIELD U ENGLAND	APCRL 63 923	TEXAS COLL OF A AND M COLLEGE STATION	AFOSR 64/0098
SIENA U ITALY	AFOSR 64/0092 AFOSR 64/0093	TEXAS INSTRUMENTS INC DALLAS	APCRL 63 793 APCRL 64 074
SOUTHAMPTON U ENGLAND	AFOSR 64/0162	TEXAS TECHNOLOGICAL COLL LUBBOCK	AFOSR 64/0200 AFOSR 64/0579 AFOSR 64/0580
SOUTHERN CALIFORNIA U LOS ANGELES CALIF	APCRL 63 877 AFOSR 64/0113 AFOSR 64/0114 AFOSR 64/0126 AFOSR 64/0127	TEXAS U AUSTIN	ARL 64 002 ARL 64 004 AFOSR 64/0125 AFOSR 64/0150 AFOSR 64/0193 AFOSR 64/0287 AFOSR 64/0296 AFOSR 64/0463
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SOUTHWESTERN COLL AT MEMPHIS TENN	APCRL 64 200	THIOCOL CHEMICAL CORP DENVER N J	AFOSR 5493
SPACE SCIENCES INC WALTHAM MASS	ARL 64 034	THOMPSON RAMO WOOLDRIDGE INC CAROLINA PARK CALIF	AFOSR 64/0235
SPERRY RAND CORP REMINGTON RAND URIVAC DIV BLUE BELL PA	APCRL 63 528	TORONTO U ONTARIO CANADA	ARL 64 040 AFOSR 4553 AFOSR 5466
ST LOUIS U MO	APCRL 63 797	TRAINING CENTER FOR EXPERIMENTAL AERODYNAMICS BRUSSELS BELGIUM	AFOSR 64/0122
STANFORD RESEARCH INST MENLO PARK CALIF	APCRL 63 784 APCRL 63 785 APCRL 63 910 APCRL 64 004 APCRL 64 034 APCRL 64 038 AFOSR 4490 AFOSR 3331 AFOSR 64/0029	TRIESTE U ITALY	AFOSR 64/0153 AFOSR 64/0160
STANFORD U CAL	APCRL 63 795 APCRL 63 796 APCRL 64 100 ARL 64 013 ARL 64 014 ARL 64 015 ARL 64 016 ARL 64 017 AFOSR 4457 AFOSR 4599 AFOSR 4605 AFOSR 3060 AFOSR 64/0002 AFOSR 64/0047 AFOSR 64/0196 AFOSR 64/0207 AFOSR 64/0224 AFOSR 64/0227 AFOSR 64/0295 AFOSR 64/0307 AFOSR 64/0316 AFOSR 64/0335 AFOSR 64/0371 AFOSR 64/0491 AFOSR 64/0532 AFOSR 64/0533 AFOSR 64/0542 AFOSR 64/0550 AFOSR 64/0551	TUFTS U MEDFORD MASS	AFOSR 64/0004 AFOSR 64/0195 AFOSR 64/0197
		TULANE U NEW ORLEANS LA	ARL 64 021
		UPPSALA U SWEDEN	ARL 64 038 ARL 64 047 ARL 64 048 AFOSR 64/0022 AFOSR 64/0085 AFOSR 64/0086
		UTAH STATE U LOGAN	AFOSR 64/0217 AFOSR 64/0219
		UTAH U SALT LAKE CITY	APCRL 63 753
		WALES U CARDIFF	APCRL 63 946
		WALES U COLL ABERYSTWYTH	APCRL 64 217 APCRL 64 218 AFOSR 64/0104
		WASHINGTON STATE U PULLMAN	AFOSR 64/0560
		WASHINGTON U SEATTLE	APCRL 63 549 APCRL 63 564 AFOSR 4371 AFOSR 4508 AFOSR 64/0276 AFOSR 64/0450
		WASHINGTON U ST LOUIS MO	APCRL 63 728
		WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL	APCRL 64 225 AFOSR 4577

WESTERN ELECTRIC U LONDON CANADA
WESTERN ELECTRIC U CLEVELAND OHIO
WESTERN ELECTRIC CORP BOSTON MA
WESTERN ELECTRIC CORP PITTSBURGH PA
WESTERN ELECTRIC CORP WASHINGTON D C

WISCONSIN U MADISON

APCOR 04/0071

APCOR 04/0044

APCOR 04/0100

APCOR 03 004

APCOR 0045

APCOR 04/0000

APCOR 04/0030

APCOR 0007

APCOR 04/0011

APCOR 04/0040

APCOR 04/0111

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USP RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS

YALE U NEW HAVEN CONN

YENING U NEW YORK N Y

ZATON CO CAMBRIDGE MASS

APCOR 03 700

APCOR 03 701

APCOR 03 000

APCOR 04 000

APCOR 04 000

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GROBE W J V	AFOSR 44/0040	GLASS I J	AFOSR 5444	GREENHAM F C	AFOSR 44/0012	HARDER R E	AFOSR 44 040	HEINZ P T	AFOSR 43 571
GROBE W J R	AFOSR 44/0018	GLASSER F D	AFOSR 44/0040 AFOSR 44/0431 AFOSR 44/0432	GRIFFITHS T V	AFOSR 63 543	HARDNER D L	AFOSR 63 930	HILL F	AFOSR 44/0210
GROBE W J	AFOSR 44/0007	GLASSER L S D	AFOSR 44/0040 AFOSR 44/0431 AFOSR 44/0432	GRIFFITHS T V	AFOSR 63 543	HARDNER D C	AFOSR 64/0034	HILL J W	AFOSR 43 020
GROBE W J	AFOSR 43 303 AFOSR 43 304 AFOSR 43 304	GLASSER L S D	AFOSR 44/0040 AFOSR 44/0431 AFOSR 44/0432	GROBE F C	AFOSR 4456	HARDNER D C	AFOSR 64/0034	HILMAN J	AFOSR 44 001
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GROBE W J	AFOSR 44 000 AFOSR 44 064	GOLDFEIN M J	AFOSR 44511	HABERER/LISENKOTTER I	AFOSR 44/0080	HARVEY D	AFOSR 44 000	HILMAN M J	AFOSR 44 110
GROBE W J	AFOSR 64 070	GOLDFEIN M J	AFOSR 44/0040	HABERER/LISENKOTTER I	AFOSR 44/0080	HARVEY D	AFOSR 44 000	HILMAN M J	AFOSR 44 221
GROBE W J	AFOSR 43 540	GOLDFEIN M J	AFOSR 44/0040	HABERER/LISENKOTTER I	AFOSR 44/0080	HARVEY D	AFOSR 44 000	HILMAN M J	AFOSR 44 222
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WADY A K	AFOSR 43 444 AFOSR 43 444	WALSHAMER M	AFOSR 44 041	WALSHAMER M M	AFOSR 44/0491	WALTON J M	AFOSR 44/0493 AFOSR 44/0494	WALTON J M	AFOSR 44/0411
WADYAN J M	AFOSR 44 708	WALSHAMER M	AFOSR 44/0476	WALSHAMER M M	AFOSR 43 924	WALTON J M	AFOSR 44/0497	WALTON J M	AFOSR 44 711
WADYETT L C	AFOSR 43 753	WALSHAMER M	AFOSR 43 782	WALSHAMER M M	AFOSR 43 443	WALTON J M	AFOSR 44/0497	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN R F	AFOSR 4211	WALSHAMER M	AFOSR 44/0347	WALSHAMER M M	AFOSR 44/0493	WALTON J M	AFOSR 44/0494	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN D M	AFOSR 44/0543 AFOSR 44/0544 AFOSR 44/0544	WALSHAMER M	AFOSR 44/0517 AFOSR 44/0510	WALSHAMER M M	AFOSR 44/0470	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN M D	AFOSR 43 930	WALSHAMER M	AFOSR 44/0344	WALSHAMER M M	AFOSR 44/0491	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN D B	AFOSR 43 944	WALSHAMER M	AFOSR 44/0344	WALSHAMER M M	AFOSR 44/0494	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN D B	AFOSR 4614	WALSHAMER M	AFOSR 44/0344	WALSHAMER M M	AFOSR 43 378	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN D M	AFOSR 43 890	WALSHAMER M	AFOSR 44/0006 AFOSR 44/0191	WALSHAMER M M	AFOSR 43 544	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN M E	AFOSR 44/0434	WALSHAMER M	AFOSR 44/0006 AFOSR 44/0191	WALSHAMER M M	AFOSR 43 443	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN M H JR	AFOSR 43 926	WALSHAMER M	AFOSR 44/0143	WALSHAMER M M	AFOSR 43 143 AFOSR 44 014 AFOSR 44 014 AFOSR 44 014	WALTON J M	AFOSR 44 218	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN J	AFOSR 43 374	WALSHAMER M	AFOSR 44/0474	WALSHAMER M M	AFOSR 43 717	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN J M	AFOSR 43 741 AFOSR 43 920 AFOSR 44 055	WALSHAMER M	AFOSR 44/0474	WALSHAMER M M	AFOSR 43 717	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON C E	AFOSR 44/0351	WALSHAMER M	AFOSR 44/0331	WALSHAMER M M	AFOSR 44/0474	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN W C	AFOSR 44/0364	WALSHAMER M	AFOSR 44/0346	WALSHAMER M M	AFOSR 44 078	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN V	AFOSR 44/0497	WALSHAMER M	AFOSR 44/0346	WALSHAMER M M	AFOSR 44 078	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN K	AFOSR 43 889	WALSHAMER M	AFOSR 44/0346	WALSHAMER M M	AFOSR 44 078	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMAN T	AFOSR 4750	WALSHAMER M	AFOSR 43 489	WALSHAMER M M	AFOSR 44 203	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON K A	AFOSR 43 570	WALSHAMER M	AFOSR 44/0021	WALSHAMER M M	AFOSR 44/0118 AFOSR 44/0328	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON K	AFOSR 43 444	WALSHAMER M	AFOSR 44/0089	WALSHAMER M M	AFOSR 44 014	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON F	AFOSR 44/0186	WALSHAMER M	AFOSR 43 513 AFOSR 43 719	WALSHAMER M M	AFOSR 44 203	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON A	AFOSR 43 565 AFOSR 43 564	WALSHAMER M	AFOSR 43 828	WALSHAMER M M	AFOSR 44/0084 AFOSR 44/0085 AFOSR 44/0086	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON J M	AFOSR 44/0349	WALSHAMER M	AFOSR 44/0411 AFOSR 4127	WALSHAMER M M	AFOSR 44/0418	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
WADYMANSON C	AFOSR 44/0374	WALSHAMER M	AFOSR 43 946	WALSHAMER M M	AFOSR 44 010	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
JACKSON C M	AFOSR 43 574	WALSHAMER M	AFOSR 44/0053	WALSHAMER M M	AFOSR 44 010	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
JACKSON J B	AFOSR 44/0224 AFOSR 44/0227	WALSHAMER M	AFOSR 43 942 AFOSR 43 942 AFOSR 43 956	WALSHAMER M M	AFOSR 44 010	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
JACKSONSON H C	AFOSR 44/0340	WALSHAMER M	AFOSR 44/0400	WALSHAMER M M	AFOSR 44/0400	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
JAFFE J M	AFOSR 44 223	WALSHAMER M	AFOSR 44/0400	WALSHAMER M M	AFOSR 44/0400	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
JANAKI J	AFOSR 44/0281	WALSHAMER M	AFOSR 44/0400	WALSHAMER M M	AFOSR 44/0400	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031
JAKIMOVSKI A	AFOSR 44/0214	WALSHAMER M	AFOSR 44/0400	WALSHAMER M M	AFOSR 44/0400	WALTON J M	AFOSR 44/0513	WALTON J M	AFOSR 44/0024 AFOSR 44/0027 AFOSR 44/0028 AFOSR 44/0029 AFOSR 44/0030 AFOSR 44/0031

QUARTON G C	AFOSR 64/0169	ROGERS D F	ARL 64 005	RYLAND E	AFOSR 64/056A	ROBERTS M L M	AFOSR 64/0281	SMITH D F JR	AFOSR 64 018
QUAY P W	AFOSR 64/0268	ROUSSEAU R A	AFOSR 64/0214	RYLAND J	AFOSR 64 107	ROBERTS W	AFOSR 64/0083 AFOSR 64/0084	SMITH E D	AFOSR 64/0273
QUISSER H J	AFOSR 63 538	ROLAND G	AFOSR 63 888	SCHAEFFER K M	AFOSR 6400	RODRIGUEZ G	AFOSR 64/0278 AFOSR 64/0279	SMITH VAN O M	AFOSR 64/0231
RACETTE J M	AFOSR 64 135	RONCHI L	AFOSR 63 042 AFOSR 64/0103 AFOSR 64/0187 AFOSR 64/0187	SCHAEFFER M K	AFOSR 63 501	RODRIGUEZ F V	AFOSR 63 529	SMITH W C	AFOSR 6410
RAMAKRISHNAN V	AFOSR 64/0171	ROSE D J	AFOSR 64/0327	SCHALIT E M	AFOSR 64/0146	ROFFMAN R J	AFOSR 63 542	SMITH W C	AFOSR 64/0080
RANNEY T M	AFOSR 64/0663	ROSE F	AFOSR 64/0196	SCHATTMAN F	AFOSR 7740	ROFFMAN Y	AFOSR 64/0470	SMITH W H	AFOSR 64 021
RANNEBORN D	AFOSR 64 237	ROSENBERG J L	AFOSR 64/0156 AFOSR 64/0187	SCHALING-DITTMER T	AFOSR 63 521	ROFFMAN G	AFOSR 64/0152	SMITH W H	AFOSR 64 021
RANZI T	AFOSR 64 108	ROSENBERG S	AFOSR 64/0508	SCHALL A C	AFOSR 63 564	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RAPAPORT M	AFOSR 6490	ROSENBERG S	AFOSR 64/0508	SCHIFF I I	AFOSR 64/0550	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RAMMICKEN M C	AFOSR 63 341 AFOSR 64 574	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RASOR N S	AFOSR 63 712	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RAIR C J	AFOSR 64/0461 AFOSR 64/0250	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RAVHIAN M	AFOSR 64/0510	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
READ G	AFOSR 64/0293	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REYES JR R R	AFOSR 6377	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REGAN R W	AFOSR 64/0125	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REYNOLDS V M	AFOSR 64 212	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REID D A	AFOSR 63 553	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REILLY J P	AFOSR 6442	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REINCKE M G	ARL 64 054	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REINOLDS II	AFOSR 64/0083 AFOSR 64/0084	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RENAULT J	AFOSR 64 149	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REYNOLD M	AFOSR 64/0085	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REYNOLDS C A	AFOSR 64/0023	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REYNOLDS D C	ARL 64 050	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
REYNOLDS V C	AFOSR 4599	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RHYS-ROBERTS C	AFOSR 63 946	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RINALDI T W	AFOSR 64/0421	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RICHARDS J L	AFOSR 63 524	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RICHARDSON M J	AFOSR 64/0224	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RIECKER R E	AFOSR 63 934 AFOSR 63 941	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RIGGS L D	AFOSR 64/0205	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RIEMENSPOEL R	AFOSR 4422	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RILEY J A	AFOSR 64 004	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RITZ J R	AFOSR 64/0009	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
RITTER D M	AFOSR 6371	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021
ROBERTS W	ARL 64 025	ROSENBERG S	AFOSR 64/0508	SCHILD A	ARL 64 007	ROFFMAN V L	AFOSR 64/0472 AFOSR 64/0212	SMITH W H	AFOSR 64 021

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4619	46190	AFCRL 63 342		AFCRL 63 798	5629	01	AFCRL 63 560		AFCRL 63 930				AFCRL 64 206		
4619	46191	AFCRL 63 593	5631	02	AFCRL 63 042		7043	04	AFCRL 63 930	7659	01	AFCRL 63 594	8652	04	AFCRL 63 904
4641	01	AFCRL 63 543		AFCRL 63 042					AFCRL 63 594	7659	03	AFCRL 63 778	8652	06	AFCRL 64 205
4641	01	AFCRL 64 006	5631	04	AFCRL 63 376		ARL 64 021		AFCRL 63 879				8652	08	AFCRL 63 816
4641	02	AFCRL 63 399		AFCRL 64 028			ARL 64 024		AFCRL 64 100	7661	76615	AFCRL 63 889	8652	11	AFCRL 63 934
4641	05	AFCRL 63 510	5631	07	AFCRL 64 108		ARL 64 055		AFCRL 64 100				8652	11	AFCRL 63 941
4641	46410	AFCRL 63 579	5631	03	AFCRL 63 532		ARL 64 032		AFCRL 63 924	7663	01	AFCRL 63 924	8653		AFCRL 63 794
4641	46410	AFCRL 64 094	5632	02	AFCRL 63 328		ARL 64 034		AFCRL 63 861	7667	76046	AFCRL 63 861	8653		AFCRL 63 795
4642	01	AFCRL 63 541	5632	05	AFCRL 63 548		ARL 64 049		AFCRL 63 781				8653		AFCRL 64 209
4642	02	AFCRL 63 393	5634	01	AFCRL 63 547		ARL 64 040		AFCRL 63 781	7670	02	AFCRL 63 781	8653	02	AFCRL 63 753
4642	02	AFCRL 63 394					ARL 64 054		AFCRL 64 200	7670	03	AFCRL 64 200	8653	02	AFCRL 63 772
4642	02	AFCRL 63 395					ARL 64 057						8653	02	AFCRL 63 753
4643	02	AFCRL 64 029	5634	07	AFCRL 63 026		ARL 64 060		AFCRL 64 216	7673		AFCRL 64 216	8653	86535	AFCRL 64 149
4643	02	AFCRL 64 203		AFCRL 63 381					AFCRL 64 216	7673	76731	AFCRL 63 661	8658	86580	AFCRL 63 697
4645	02	AFCRL 63 788		AFCRL 63 396			ARL 64 005		AFCRL 64 107			AFCRL 64 232	8659	07	AFCRL 64 208
4645	02	AFCRL 63 917		AFCRL 63 550			ARL 64 007		AFCRL 64 232						
4645	02	AFCRL 63 946		AFCRL 64 048	5634	03	AFCRL 64 027		AFCRL 64 232	7698	03	AFCRL 64 074	9710	01	AFOSR 4564
4645	04	AFCRL 63 525	5634	04	AFCRL 63 591		ARL 64 037		AFCRL 64 074				9710	01	AFOSR 64/0130
4645	04	AFCRL 63 528	5634	46191	AFCRL 63 549		ARL 64 019		AFCRL 64 074	7856	78546	ORA 63 013	9710	01	AFOSR 64/0137
4649	01	AFCRL 63 725					ARL 64 009		AFCRL 64 074				9710	02	AFOSR 64/0576
4691		AFCRL 63 782	5635		AFCRL 63 143		ARL 64 010		AFCRL 64 008	7885	03	ARL 64 008	9710	02	AFOSR 64/0162
					AFCRL 63 144		ARL 64 029		ARL 64 044				9710	02	AFOSR 4568
					AFCRL 63 512		ARL 64 036		ARL 64 050				9710	02	AFOSR 64/0295
					AFCRL 63 523		ARL 64 041		AFCRL 64 050	8608	86080	AFCRL 63 893	9710	02	AFOSR 64/0297
4751		AFOSR 64/0108	5635	01	AFCRL 63 570		ARL 64 042		AFCRL 64 050	8601	02	AFCRL 63 939	9710	03	AFOSR 64/0578
		AFOSR 64/0309			AFCRL 63 571		ARL 64 055		AFCRL 64 217	8601	02	AFCRL 63 939			AFOSR 64/0578
		AFOSR 64/0310			AFCRL 64 021				AFCRL 64 218	8602	01	AFCRL 63 948			AFOSR 64/0578
		AFOSR 64/0311							AFCRL 64 218	8603	01	AFCRL 63 890			AFOSR 64/0578
		AFOSR 64/0312							AFCRL 64 218	8603	01	AFCRL 63 890			AFOSR 64/0578
		AFOSR 64/0313	5635	02	AFCRL 63 189		ARL 64 026		AFCRL 64 218	8603	01	AFCRL 63 890			AFOSR 64/0578
		AFOSR 64/0314			AFCRL 63 392		ARL 64 027		AFCRL 64 218	8603	01	AFCRL 63 890			AFOSR 64/0578
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