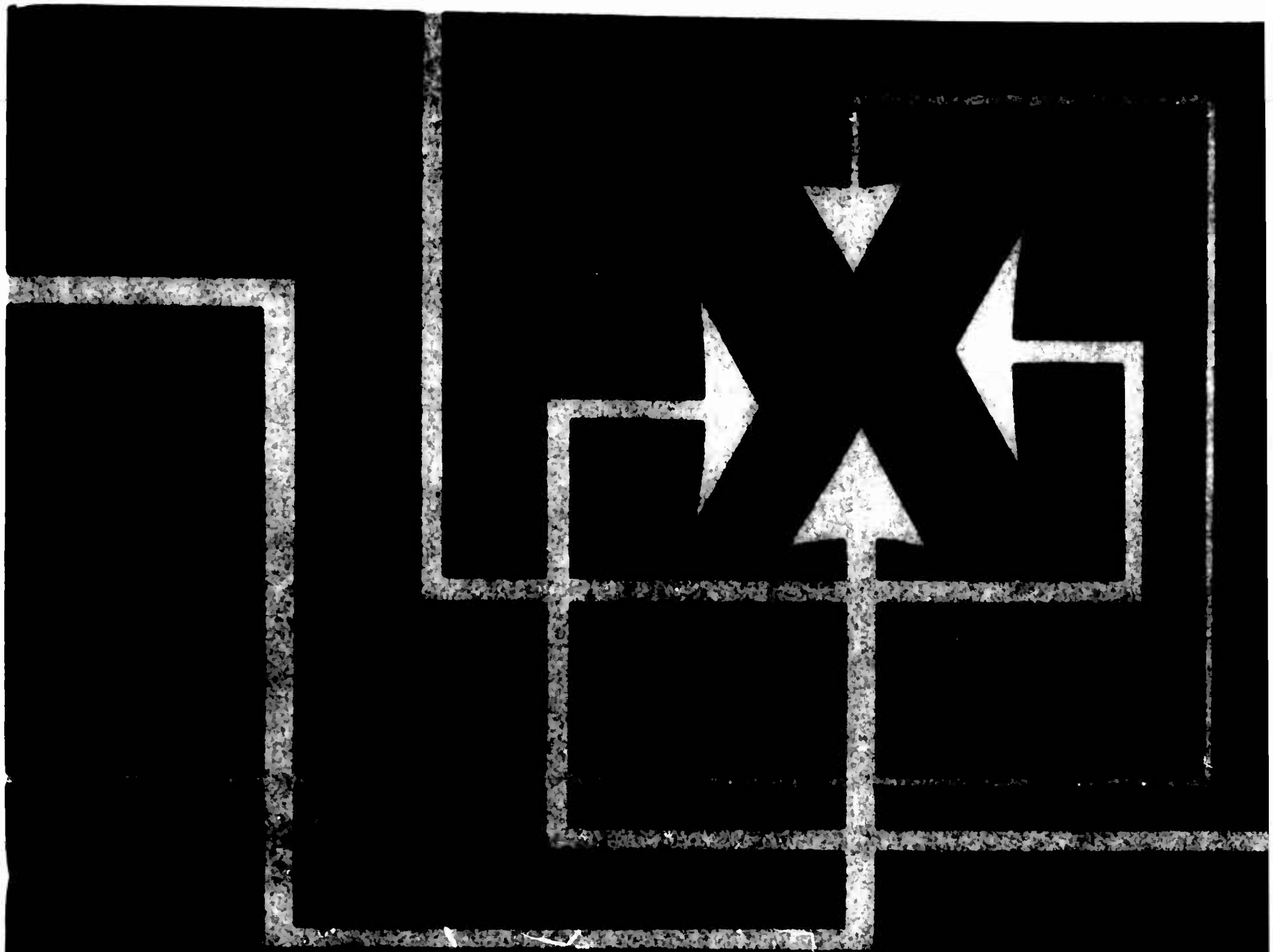

OAR quarterly index of current RESEARCH RESULTS

1 APRIL - 30 JUNE 1964

Office of Aerospace Research
United States Air Force

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OAR Quarterly Index of CURRENT RESEARCH RESULTS

1 April - 30 June 1964

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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. 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.

With this thought in mind, 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. This was followed by the OAR Cumulative Index of Research Results, 1963. In 1964 we began publishing the OAR Quarterly Index of Current Research Results to continue the tradition of making available to all who can use them the results of OAR research efforts. We hope that you will find this volume useful.

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).

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 (RRY), Hq Office of Aerospace Research, USAF, 4th and Independence Ave., S.W., Washington, D.C. 20333.

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PROJ/TASK 7112 03

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THE CONSTANT PRESSURE DECOMPOSITION OF NITROUS OXIDE. NITROGEN OXIDE PLUS .88 NITROGEN AND NITROGEN OXIDE PLUS AIR MIXTURES AT 11.2 ATMOSPHERES AND INITIAL TEMPERATURES FROM 772 TO 1235° KELVIN. JUN 1964
BY NICHOLSON J R
FISHBURNE F S
EDSE R
INSTRUMENT AF 33<657>08951
PROJ/TASK 7065 01

ARL 64 0108
AF OAR AEROSPACE RESEARCH LABS
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ALLEVIATION OF THERMAL STRESSES IN SKIN WEB COMBINATIONS BY MEANS OF BI-METALLIC CONSTRUCTION. JUN 1964
BY PRZEMIENIECKI J S
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ARL 64 0109
OKLAHOMA U NORMAN
AN EXPERIMENTAL STUDY OF INFRARED SCATTERING BY CLOUDS OF PARTICLES. JUN 1964
BY LOVE T J
WHEASLER R A
INSTRUMENT AF 33<657>08859
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POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
TRANSPIRATION COOLING OF A TURBULENT BOUNDARY LAYER IN AN AXISYMMETRIC NOZZLE. APR 1964
AIAA J V2 N4 PP617-624 APR 1964
BY LIBRIZZI J
CRESCI R J
DDC NUMBER 441063
INSTRUMENT AF 33<616>07661
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E. Air Force Cambridge Research Laboratories (AFCRL)

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NEW MEXICO STATE U UNIVERSITY PARK
AN OBSERVATIONAL STUDY OF ASTRONOMICAL SEEING AND AN INVESTIGATION OF INSTRUMENTATION DESIGNED TO REDUCE THE EFFECTS OF ATMOSPHERE- INDUCED IMAGE ABERRATIONS, OCT 1963
BY SMITH B A
DDC NUMBER 430050
INSTRUMENT AF 19<604>05535
PROJ/TASK 769886053

AFCRL 63 0325
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SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
ON DETERMINATION OF THE OPTICAL ABSORPTION COEFFICIENT, PART II, DEC 1963
BY KAHAN A
PROJ/TASK 5621 04

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POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
WAVE PROPAGATION IN SINUSOIDALLY STRATIFIED DIELECTRIC MEDIA, 31 JUL 1963
BY TAMIR T
WANG H C
INSTRUMENT AF 19<604>07499
OLINER A A
PROJ/TASK 4600 04

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MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
RESPONSE FUNCTION FOR TAYLOR ANTENNA DISTRIBUTIONS, SEP 1963
BY DRANE C J JR
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PROJ/TASK 4600 06

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NEW YORK U NEW YORK
DIFFRACTION OF A HIGH-FREQUENCY PLANE ELECTROMAGNETIC WAVE BY A PERFECTLY CONDUCTING CIRCULAR DISC, JUL 1963
BY JONES D S
INSTRUMENT AF 19<604>05238
PROJ/TASK 5635 02

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SOME ASPECTS OF THE ACTIVITY OF THE GLOTTAL SOUND SOURCE 1. PERTURBATIONS IN VOCAL PITCH. 2. SOME ASPECTS OF FUNDAMENTAL FREQUENCY AND ENVELOPE AMPLITUDE AS RELATED TO THE EMOTIONAL CONTENT OF SPEECH. 3. SOME ACOUSTIC MEASURES OF THE FUNDAMENTAL PERIODICITY OF NORMAL AND PATHOLOGIC LARYNGES.
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BY LIEBERMAN P
MICHAELS S B
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NEW YORK U NEW YORK
RESEARCH DIRECTED TOWARD THE STUDY OF PHOTOVOLTAIC EFFECTS IN ORGANIC AND INORGANIC CRYSTALS AND THIN FILMS, SEP 1963
BY KALLMAN H
INSTRUMENT AF 19<604>05495
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AFCRL 63 0508
SYLVANIA ELECTRIC PRODUCTS INC MOUNTAIN VIEW CALIF
INVESTIGATION OF NEW CONCEPTS FOR OPTICAL MIXING, 10 OCT 1963
BY MCMURTRY B J
OSHMAN M K
INSTRUMENT AF 19<628>02472
SIEGMAN A F
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TIFFANY W B

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WASHINGTON U SEATTLE
RESEARCH SUMMARY AND BIBLIOGRAPHY, MAR 1963
BY ISHIMARU A
DDC NUMBER 427760
INSTRUMENT AF 19<604>04098
PROJ/TASK 5635 03

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PARKE MATHEMATICAL LABS INC CARLISLE MASS
SELECTED ANNOTATED BIBLIOGRAPHY ON SYSTEMS OF THEORETICAL DEVICES, SEP 1963
BY MONTGOMERY C R
INSTRUMENT AF 19<628>02417
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INVESTIGATION OF THE PREPARATION OF HIGH PURITY METALS VIA THE DECOMPOSITION OF CYCLOPENTA- DIENYL AND ARENE COMPLEX COMPOUNDS, 31 OCT 1963
BY TSUTSUI M
MARSEL C J
INSTRUMENT AF 19<628>01685
PROJ/TASK 4608 02

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ANALYSIS OF TRANSIENTS AND STABILITY IN AN IDEALIZED TWO- LEVEL LASER SYSTEM, DEC 1963
APPL OPT V2 P862 AUG 1962
BY LUDMAN J F
DDC NUMBER 435015
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A UNIPOLAR STRUCTURE APPLYING LATERAL DIFFUSION, DEC 1963
BY ROOSILD S A
DDC NUMBER 435016
DOLAN R P JR
ONEIL D
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RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
ACTIVE LOGIC ELEMENTS USING NONGALVANIC MODIFYING INPUTS, 31 OCT 1963
BY HERZOG G
DDC NUMBER 434582
INSTRUMENT AF 19<628>01629
PROJ/TASK 4641 04

AFCRL 63 0569
HARVARD U CAMBRIDGE MASS
SURFACE-WAVE PROPAGATION ALONG A FERRITE ROD, 20 MAR 1963
BY TAO T F
INSTRUMENT AF 19<628>02406
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TECHNISCHE HOCHSCHULE HANNOVER WEST GERMANY
EXCITATION OF PLASMA OSCILLATIONS BY SHOCK WAVES, 1 SEP 1963
BY WELLY J-D
INSTRUMENT AF 61<052>00161
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AFCRL 63 0581
MITHRAS INC CAMBRIDGE MASS
THE ULTRAVIOLET ABSORPTION SPECTRA OF RUBY, OCT 1963
BY NAIMAN C S
LINZ A C
INSTRUMENT AF 19<628>02395
PROJ/TASK 5621 04

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SPERRY RAND CORP REMINGTON RAND UNIVAC DIV PHILADELPHIA PA
INVESTIGATION AND ANALYSIS OF CIRCUIT COMPLEXES, 1 DEC 1963
BY HUNG J W
KOLMAN B
INSTRUMENT AF 19<628>00437
BLOCK I F
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HANNON T J B

AFCRL 63 0584
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
FOCUSING BY AN ANISOTROPIC PLASMA INTERFACE, 25 OCT 1963
BY FELSEN L B
INSTRUMENT AF 19<628>02357
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CAMBRIDGE SYSTEMS INC NEWTON MASS
MODIFICATION AND TESTING OF THE TEMPERATURE-HUMIDITY MEASURING SET AN/TMQ-11<A>, AUG 1963
BY FRANCISCO C C
DDC NUMBER 434792
BEAUBIEN D J
INSTRUMENT AF 19<628>00410
PROJ/TASK 6682 04

AFCRL 63 0734
PENNSYLVANIA STATE U UNIVERSITY PARK
SEISMIC MODEL STUDIES OF FIRST MOTION PRODUCED BY AN ACTUAL FAULT, 26 SEP 1963
BY PELUKE J H
HOWELL B F JR
INSTRUMENT AF 19<604>07383
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AFCRL 63 0751
RAYTHEON CO WALTHAM MASS
FULL WAVE TREATMENT OF PROPAGATION OF SOUND IN A MEDIUM OF CONSTANT VELOCITY GRADIENT, AUG 1963
BY CORNWELL J D
TANENBAUM B S
INSTRUMENT AF 19<628>02802
PROJ/TASK 4649 01

AFCRL 63 0752
RAYTHEON CO WALTHAM MASS
<U> THE KINETIC THEORY OF A PARTLY IONIZED GAS, AUG 1963 SECRET
BY TANENBAUM B S
INSTRUMENT AF 19<628>02802
PROJ/TASK 4649 01

AFCRL 63 0772
DARTMOUTH COLL HANOVER N H
STUDIES OF WHISTLERS AND AUDIO- FREQUENCY EMISSIONS, 19 AUG 1963
BY MORGAN M G
INSTRUMENT AF 19<604>03055
PROJ/TASK 766376635

AFCRL 63 0786
CHALMERS INST OF TECH GOTHENBURG SWEDEN
DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA, JUL 1963
BY WILHELMSSON K H B
INSTRUMENT AF 61<052>00451
PROJ/TASK 5561 01

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BOLT BERANEK AND NEWMAN INC CAMBRIDGE MASS
STUDIES IN AUTOMATIC PATTERN RECOGNITION, 31 OCT 1963
BY MARILL T — DDC NUMBER 434824
INSTRUMENT AF 19<628>00227
PROJ/TASK 4691 03

AFCRL 63 0833
SASKATCHEWAN U SASKATOON CANADA
A NOTE ON N2PLUS TWILIGHT AND SUNLIT AURORA, JUN 1963
CAN J PHYS V41 1963
BY MAARTENSE I
HUNTEN D M — INSTRUMENT AF 19<628>02829
PROJ/TASK 7661 02

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ELECTROMAGNETIC RESEARCH CORP COLLEGE PARK MD
PART I. THE COMMUNICATIONS POTENTIALITIES OF THE TRADE WIND INVERSION DUCT - ANALYSIS OF PROJECT NEPTUNE DATA, 31 JUL 1963. PART II. SELECTION OF TERMINAL SITES FOR TRANSOCEANIC DUCT PROPAGATION MEASUREMENTS, 30 SEP 1963.
BY AMENT W S
KATZIN M — INSTRUMENT AF 19<628>00272
RINGWALT D L — PROJ/TASK 5631 04

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RAYTHEON CO WALTHAM MASS
<U> KINETIC THEORY OF SOUND PROPAGATION IN RAREFIED GASES, JUL 1963, SECRET
BY KAHN D
MINTZER D — INSTRUMENT AF 19<628>02802
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AFCRL 63 0888
LIEGE U BELGIUM
PHASE 1 - STUDIES OF THE VERTICAL DISTRIBUTION OF OZONE IN THE EARTH-S ATMOSPHERE. PHASE 2 - INFRARED SPECTRUM OF THE SUN AND OF THE EARTH-S ATMOSPHERE. PHASE 3 - INVESTIGATIONS BY INTERFEROMETRY OF ATMOSPHERIC TRANSMISSION SPECTRA, 15 JUL 1956 - 31 MAY 1963
BY DELBOUILLE L
ROLAND G — INSTRUMENT AF 61<514>00962
PROJ/TASK 860386032

AFCRL 63 0902
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB L G HANSCOM FIELD MASS
THE PROGRESS AND PRESENT STATUS OF INDIAN SCIENCE, NOV 1963
BY SEN H K — DDC NUMBER 430818
PROJ/TASK 8647 01

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB L G HANSCOM FIELD MASS
BIBIOGRAPHY OF LUNAR AND PLANETARY RESEARCH 1962, DEC 1963
BY SALISBURY J W — DDC NUMBER 428471
DODD R T JR
VAN TASSEL R A — PROJ/TASK 8602 01
ADLER J E M

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COLUMBIA U NEW YORK N Y
CALIBRATION OF LONG-PERIOD SEISMOGRAPHS AT THIRTEEN STATIONS THROUGHOUT THE WORLD, SEP 1963
BY MILLER H J
INSTRUMENT AF 19<604>07376
PROJ/TASK 8652 03

AFCRL 63 0907
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB L G HANSCOM FIELD MASS
NOTES ON HYDROMAGNETICS AND PLASMA PHYSICS, DEC 1963
BY CARAVALLANO R L
MCCLAY J F
PROJ/TASK 7601 01

AFCRL 63 0908
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
FEASIBILITY OF A LUNAR OPTICAL RANGING EXPERIMENT, DEC 1963
BY ILIFF R L — DDC NUMBER 434586
TAVENNER M S
PROJ/TASK 7600 06

AFCRL 63 0912
MOTOROLA INC SCOTTSDALE ARIZ
STUDY PROGRAM USE OF THE AN/DPN-66 TRANSPONDER IN A RANGE CALIBRATION SATELLITE, 21 NOV 1963
BY SHARP F
INSTRUMENT AF 19<628>03235
PROJ/TASK 5930 03

AFCRL 63 0918
HEBREW U JERUSALEM ISRAEL
A METHOD FOR DETERMINATION OF THE OPTICAL CONSTANTS OF THIN ABSORBING LAYERS, AUG 1963
BY HARRIS J
WEINBERGER H — INSTRUMENT AF 61<052>00279
PROJ/TASK 6692 03

AFCRL 63 0919
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
AFCRL, SCIENTIFIC BALLOON SYMPOSIUM, DEC 1963
BY SPAULDING T B
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AFCRL 63 0921
TEXAS U AUSTIN
OBSERVATIONS AT AND NEAR VERTICAL INCIDENCE WITH AN M-33 RADAR, 30 NOV 1963
BY DEAM A P — DDC NUMBER 429529
WALKER G R — INSTRUMENT AF 19<604>08038
LAGRONE A R — PROJ/TASK 4603

AFCRL 63 0922
UTAH U SALT LAKE CITY
PROGRESSIVE DEVELOPMENTS IN THE DESIGN OF AN AIRBORNE UHF TRANSMITTER FOR THE FALLING SPHERE EXPERIMENT, 9 DEC 1963
BY CROSS J L
INSTRUMENT AF 19<604>06658
PROJ/TASK 6690 01

AFCRL 63 0929
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
THE WHISTLER- HYDROMAGNETIC EXTENSION OF MAGNETO- IONIC THEORY, DEC 1963
BY KANTOR G — DDC NUMBER 430051
PROJ/TASK 4603 10

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OKLAHOMA U RESEARCH FOUNDATION NORMAN
THE PROPAGATION OF ULTRASONIC ELASTIC WAVES IN SOLID BODIES AND IN GRANULAR MEDIA, DEC 1963
BY RICKER N H — DDC NUMBER 430191
INSTRUMENT AF 19<604>08416
PROJ/TASK 8652 03

AFCRL 63 0933
SPERRY RAND CORP SPERRY GYROSCOPE CO GREAT NECK N Y
ANALYSIS OF OPTICAL RESONATORS INVOLVING FOCUSING ELEMENTS, DEC 1963
BY COLLINS S A JR — DDC NUMBER 438428
CAVELLE R F — INSTRUMENT AF 19<628>02924
PROJ/TASK 4645 02

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
AIR FORCE INTERIM SUPPLEMENTAL ATMOSPHERES TO 90 KILOMETERS, DEC 1963
BY COLE A E
KANTOR A J
PROJ/TASK 8624 01

AFCRL 63 0938
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
ACCURACY OF METEOROLOGICAL DATA OBTAINED BY TRACKING THE ROBIN WITH MPS-19 RADAR, DEC 1963
BY LENHARD R W JR — DDC NUMBER 434379
DOODY M P
PROJ/TASK 6670 06

AFCRL 63 0942
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
RADAR CROSS-SECTION OF LOSSY PLASMA BODIES IN THE VICINITY OF PLASMA RESONANCE, 31 AUG 1963
BY PETERS L JR — DDC NUMBER 426668
INSTRUMENT AF 19<604>07270
PROJ/TASK 5633 07

AFCRL 63 0943
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
OBLIQUE INCIDENCE ON GENERAL MAGNETOPLASMA SLAB, 15 OCT 1963
BY UNZ H
INSTRUMENT AF 19<604>07270
PROJ/TASK 5633 07

AFCRL 63 0944
MOUNT AUBURN RESEARCH ASSOC INC CAMBRIDGE MASS
COUPLING OF MAGNETOHYDRODYNAMIC TO ELECTROMAGNETIC AND ACOUSTIC WAVES AT A PLASMA- NEUTRAL GAS INTERFACE, 31 OCT 1963
BY KAHALAS S L
MCNEILL D A — INSTRUMENT AF 19<628>02836
PROJ/TASK 5633 07

AFCRL 63 0948
MANCHESTER U ENGLAND
LABORATORY SIMULATION OF LUNAR LUMINESCENCE EXCITATION, SEP 1963
BY DERHAM C J — DDC NUMBER 430920
GEAKE J E — INSTRUMENT AF 61<052>00379
PROJ/TASK 8602 01

AFCRL 63 0949
MANCHESTER U ENGLAND
RESEARCH STUDY AND DEVELOPMENT OF 1-METRE MIRROR TELESCOPE FOR LUNAR AND PLANETARY PHOTOGRAPHY, APR 1963
BY KOPAL Z
INSTRUMENT AF 61<052>00400
PROJ/TASK 860286020

AFCRL 63 0951
GENERAL MILLS INC ST PAUL MINN
DETERMINATION OF THE SHAPE OF A FREE BALLOON, THEORETICAL DEVELOPMENT, 2 AUG 1963
BY SMALLEY J H
INSTRUMENT AF 19<628>02783
PROJ/TASK 6665 01

AFCRL 64 0003
FLORIDA U GAINESVILLE
A THEORY OF QUANTUM COMMUNICATIONS, 5 DEC 1963
BY ONEAL J B JR — DDC NUMBER 429721
INSTRUMENT AF 19<628>00431
PROJ/TASK 5632 04

AFCRL 64 0005
TENNESSEE U KNOXVILLE
AN INVESTIGATION OF THE PERFORMANCE OF A STEERABLE MULTIPLICATIVE CIRCULAR ANTENNA ARRAY USING ANALOGUE TECHNIQUES, 15 DEC 1963
BY MOULTON C L — DDC NUMBER 434910
TILLMAN J D — INSTRUMENT AF 19<628>00288
NEEE H P — PROJ/TASK 4600 02

AFCRL 64 0007
MONTANA STATE COLL BOZEMAN
A FORMAL THEORY OF GENERALIZED MULTIPLE-OUTPUT BINARY COMBINATIONAL SWITCHING NETWORKS, DEC 1963
BY KILMER W L
DDC NUMBER 434734
INSTRUMENT AF 19<604>06619
PROJ/TASK 5632 02

AFCRL 64 0011
NEW YORK U NEW YORK
CUMULATIVE CODES AS VARIABLE REDUNDANCY CODES, DEC 1963
BY WOLF J K
INSTRUMENT AF 19<604>06168
PROJ/TASK 4610 03

AFCRL 64 0012
NORTHEASTERN U BOSTON MASS
UNTITLED< COMMUNICATIONS>, 31 DEC 1963
BY SZE-HOU CHANG
LOB W H
LAI D C
REIS F B
GALMARINO A R
CAMPBELL J B
REID F
GONSALVES R A
FERMENTAL D
LIH-JYH WENG
INSTRUMENT AF 19<604>07494
PROJ/TASK 4610 03

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
A SENSITIVE VIBRATION MAGNETOMETER, JAN 1964
BY LINDEN K J
PROJ/TASK 5621 04

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SPIN WAVE ANISOTROPY IN PARALLEL PUMPING EXPERIMENTS OF YIG, JAN 1964
BY SETHARES J C
SEAVEY M H JR
STIGLITZ M R
PROJ/TASK 5635 03

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
A NONDESTRUCTIVE RADIO ANALYTICAL METHOD FOR THE DETERMINATION OF GALLIUM IN SUBSTITUTED YTTRIUM IRON GARNETS, JAN 1964
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BY CALI J P
PROJ/TASK 5620 03

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SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
DRASTIC REDUCTION OF WARM UP RATE WITHIN A DEWAR SYSTEM BY HELIUM DESORPTION, JAN 1964
BY GIANINO P D
PROJ/TASK 5621 04

AFCRL 64 0018
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
AN EXPERIMENTAL DETERMINATION OF ANTENNA PATTERN DISTORTION DUE TO A PLASMA LAYER, JAN 1964
BY JACAVANCO D J
MELTZ G
PROJ/TASK 4642 02

AFCRL 64 0019
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
MUTUAL COHERENCE AND THE ARRAY THEOREM, JAN 1964
BY JACAVANCO D J
PROJ/TASK 4642 02

AFCRL 64 0020
LAB FOR ELECTRONICS INC BOSTON MASS
RESEARCH IN FERROMAGNETICS, 15 DEC 1961 TO 15 DEC 1962
BY PLANSKY W M
HORNREICH R M
RIGNEY D A
RUBINSTEIN H
MCCORMACK T L
LAKIN L R
DDC NUMBER 434045
INSTRUMENT AF 19<604>08349
PROJ/TASK 5632 07

AFCRL 64 0024
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
OBSERVATIONS OF IONOSPHERIC BEHAVIOR DURING THE SOLAR ECLIPSE OF 20 JULY 1963 AT BEDFORD, MASS., JAN 1964
BY MINER R J
PROJ/TASK 4603 02

AFCRL 64 0026
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
THE STRUCTURE OF OCCLUSIONS AS DETERMINED FROM SERIAL ASCENTS AND VERTICALLY- DIRECTED RADAR, JAN 1964
BY KREITZBERG C W
PROJ/TASK 864186414

AFCRL 64 0030
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
OZONESONDE OBSERVATIONS OVER NORTH AMERICA, VOL. I JAN 1964
BY HERING W S
PROJ/TASK 8631 02

AFCRL 64 0033
TEXAS INSTRUMENTS INC DALLAS
BROADBAND DIGITAL SEISMOMETER EVALUATION, 21 FEB 1964
BY GILLICKSON W D
DDC NUMBER 433679
INSTRUMENT AF 19<628>02986
PROJ/TASK 8652 05

AFCRL 64 0036
GENERAL ELECTRIC CO UTICA NY
SATELLITE RATED MISTRAM TRANSPONDER STUDY, 1 NOV 1963
BY ARRANTE J
ROBAM R
CAMPBELL J
CONRAD G
GREEN A
KANE J
LITTY R
POTTER R
SNYDER D
ST AMANT R
DDC NUMBER 434793
INSTRUMENT AF 19<628>02992
PROJ/TASK 5930 03

AFCRL 64 0037
HARVARD U CAMBRIDGE MASS
GENERALIZED TABLES FOR THE CALCULATION OF DIPOLE TRANSITION PROBABILITIES IN LS- COUPLING, FEB 1964
BY SHORE B W
MENZEL D H
DDC NUMBER 434151
INSTRUMENT AF 19<604>04962
PROJ/TASK 7649 01

AFCRL 64 0039
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
MODAL ANALYSIS AND SYNTHESIS OF ELECTROMAGNETIC FIELDS, 18 DEC 1963
BY FELSEN L B
MARCUVITZ N
INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFCRL 64 0040
BROWN D ASSOC INC EAU GALLIE FLA <SUBCONTRACT TO INSTRUMENT CORP OF FLORIDA MELBOURNE>
RESEARCH CONCERNING THE REDUCTION OF GEODETIC PHOTOGRAMMETRIC DATA, 10 JAN 1964
BY DAVIS R G
HARP R F
BROWN D C
MANNEN M L
INSTRUMENT AF 19<604>08493
PROJ/TASK 5930 03

AFCRL 64 0041
FRANKLIN INST PHILADELPHIA PA
TORQUE AND ROTATIONAL HYSTERESIS IN FCC SINGLE CRYSTAL COBALT FILMS, DEC 1963
BY DOYLE W D
INSTRUMENT AF 19<628>02415
PROJ/TASK 5635 03

AFCRL 64 0042
FRANKLIN INST PHILADELPHIA PA
VOIDS IN AGED SINGLE CRYSTAL PERMALLOY FILMS, DEC 1963
BY BALTZ A
INSTRUMENT AF 19<628>02415
PROJ/TASK 5635 03

AFCRL 64 0043
FRANKLIN INST PHILADELPHIA PA
CONDENSER TILTING DEVICE FOR DIFFRACTED BEAM MICROSCOPY IN THE RCA- EMU3 ELECTRON MICROSCOPE, DEC 1963
BY BALTZ A
INSTRUMENT AF 19<628>02415
PROJ/TASK 5635 03

AFCRL 64 0044
KAMAN AIRCRAFT CORP COLORADO SPRINGS COLO
<U> LOW ALTITUDE RADAR ATTENUATION, 20 DEC 1963, SECRET RESTRICTED DATA
BY BOND J W JR
WELLCK R F
MCDOWELL M R C
MCDANIEL F W
INSTRUMENT AF 19<628>00209
PROJ/TASK 767376731

AFCRL 64 0045
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
OBLIQUE INCIDENCE ON PLANE BOUNDARY BETWEEN TWO GENERAL GYROTROPIC PLASMA MEDIA, JUN 1963
BY UNZ H
INSTRUMENT AF 19<604>07270
PROJ/TASK 5633 07

AFCRL 64 0046
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
COMPARISON OF THE SUPERPOSITION APPROXIMATION AND THE MODIFIED GEOMETRICAL OPTICS METHOD FOR RADAR CROSS-SECTIONS OF DIELECTRIC- CLAD BODIES, 15 NOV 1963
BY KAWANO T
PETERS L
SWARNER W G
INSTRUMENT AF 19<604>07270
PROJ/TASK 5633 07

AFCRL 64 0047
SYRACUSE U RESEARCH INST N Y
SENSITIVITY AND STABILITY IN ACTIVE NETWORK SYNTHESIS, 31 JAN 1964
BY MELVIN D
INSTRUMENT AF 19<628>01649
PROJ/TASK 5628 01

AFCRL 64 0048
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
ISOTOPE BANDS AND THE VIBRATION ASSIGNMENT OF THE D2IIG-A2IIU SYSTEM OF N2 , JAN 1964
J CHEM PHYS V39 N10 PP2629-2633 NOV 1963
BY NAMIOKA T
YOSHINO K
TANAKA Y
DDC NUMBER 434365
PROJ/TASK 8627 02

AFCRL 64 0049
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
ON THE USE OF MAGNETOSTATIC MODES FOR MEASURING SATURATION MAGNETIZATION OF FERRIMAGNETIC MATERIALS, JAN 1964
BY CAPONE R R
PROJ/TASK 5621 04

AFCRL 64 0050
NORTHEASTERN U BOSTON MASS
DESIGN, CONSTRUCTION AND TESTING OF INSTRUMENTATION FOR THE INVESTIGATION OF THE ELECTRICAL STRUCTURE OF THE UPPER ATMOSPHERE, 31 DEC 1963
BY NARDONE L J
STUART R D
INSTRUMENT AF 19(604)07225
PROJ/TASK 8617 01

AFCRL 64 0054
TEXAS U AUSTIN
STUDY OF VARIOUS RADIO PROPAGATION PROBLEMS AND OF THE PROPAGATION PARAMETERS INVOLVED THERIN, 31 JAN 1964
BY LAGRONE A H
INSTRUMENT AF 19(604)08038
PROJ/TASK 4603 02

AFCRL 64 0056
NEW ENGLAND U ARMIDALE AUSTRALIA
GYRO- SPLITTING IN THE IONOSPHERE, 30 JAN 1964
J ATMOS TERREST PHYS V25 PP687-697 1963
BY BOURNE I A
SETTY C S G K
SMITH R A
INSTRUMENT AF 19(604)06177
PROJ/TASK 8653 05

AFCRL 64 0057
LEXINGTON LABS INC CAMBRIDGE MASS
VAPOR PHASE GROWTH OF SINGLE CRYSTALS, JAN 1964
BY SCHAFFER P S
INSTRUMENT AF 19(628)02383
PROJ/TASK 4608 05

AFCRL 64 0058
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
RECENT ADVANCES IN MICROWAVE PHONON GENERATION AND DETECTION AND THEIR APPLICATION TO THE STUDY OF PHONON-PHONON INTERACTIONS IN QUARTZ, 2 JAN 1964
BY DEKLERK J
DDC NUMBER 434757
INSTRUMENT AF 19(604)08826
PROJ/TASK 4600 03

AFCRL 64 0059
GENERAL DYNAMICS CORP POMONA POMONA CALIF
AIR- LAUNCHED ROCKETSONDE STUDY, JAN 1964
BY WENZEL R F
INSTRUMENT AF 19(628)03265
PROJ/TASK 6020 01

AFCRL 64 0060
PENNSYLVANIA STATE U UNIVERSITY PARK
ABSORPTION MEASUREMENTS OF ULTRASONIC WAVES IN PLASTIC SHEETS, NOV 1963
BY NAKAMURA Y
DDC NUMBER 434388
INSTRUMENT AF 19(628)00238
PROJ/TASK 8652 08

AFCRL 64 0061
ALASKA U COLLEGE
RESEARCH DIRECTED TOWARD A STUDY OF THE IONOSPHERE IN HIGH ALTITUDES, JAN 1964
BY FLOCK W L
INSTRUMENT AF 19(604)08833
PROJ/TASK 7663 02

AFCRL 64 0062
GENERAL DYNAMICS CORP ASTRONAUTICS SAN DIEGO CALIF
WEATHER SATELLITE DATA PROCESSING, 31 JAN 1964
BY MARGGRAF W A
DDC NUMBER 433731
INSTRUMENT AF 19(604)08861
PROJ/TASK 6698 02

AFCRL 64 0063
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
LOW TEMPERATURE VAPOR GROWTH STUDIES, 31 DEC 1963
BY REISMAN A
DDC NUMBER 433640
INSTRUMENT AF 19(628)02468
PROJ/TASK 4608 04

AFCRL 64 0064
RAYTHEON CO NORWOOD MASS
MEASUREMENT OF PHASE CONSTANT FOR ROCK PROPAGATED SIGNALS, DEC 1963
BY TSAO C K H
INSTRUMENT AF 19(628)02362
PROJ/TASK 4600 08

AFCRL 64 0066
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
THEORY OF ADJUSTABLE SWITCHING NETWORKS, 30 NOV 1963
BY AMAREL S
LEVY S
SRINIVASAN C V
WINDER R O
INSTRUMENT AF 19(604)08423
PROJ/TASK 5632 02

AFCRL 64 0067
ILLINOIS U URBANA
ELECTRON INTERACTIONS IN CRYOGENIC HELIUM PLASMA, DEC 1963
BY GOLDAN P D
GOLDSTEIN L
CAHN J H
INSTRUMENT AF 19(628)03307
PROJ/TASK 4642 03

AFCRL 64 0069
LORAL ELECTRONICS CORP NEW YORK N Y
DESIGN AND INVESTIGATION OF LOW FREQUENCY SPACE ANTENNAS, JAN 1964
BY ROSENTHAL M
INSTRUMENT AF 19(628)01670
PROJ/TASK 4603 12

AFCRL 64 0070
AF AIR FORCE CAMBRIDGE RESEARCH LABS RESEARCH LIBRARY
L G HANSCOM FIELD MASS
AUTOMATED ROUTINES IN TECHNICAL SERVICES, FEB 1964
BY SIEVERS P T
FASANA P J

AFCRL 64 0073
SYRACUSE U N Y
RESEARCH IN THE FAR INFRARED REGION OF THE SPECTRUM, 31 DEC 1963
BY GINSBURG N
DDC NUMBER 434700
INSTRUMENT AF 19(628)00268
PROJ/TASK 8603 03

AFCRL 64 0075
LONDON U QUEEN MARY COLL ENGLAND
A THEORETICAL INVESTIGATION OF DIFFUSION IN RAREFIED GASES, 30 SEP 1963
BY FERRARO V C
GLIDDON J E C
KENDALL P C
DDC NUMBER 434790
INSTRUMENT AF-EOAR -0041-61
PROJ/TASK 763576368

AFCRL 64 0076
IONOSPHAEREN INST BREISACH WEST GERMANY
RESEARCH IN IONOSPHERIC STRUCTURE AND MOTION, 15 NOV 1963
BY HARNISCHMACHERE
INSTRUMENT AF 61(052)00081
PROJ/TASK 860586051

AFCRL 64 0077
LAB DE PHYSIQUE PARIS FRANCE
EXTRA LONG WAVES PROPAGATION WITH ROCKETS, 30 DEC 1963
BY VASSEY E J
DDC NUMBER 434771
INSTRUMENT AF 61(052)00155
PROJ/TASK 563356333

AFCRL 64 0078
UPPSALA U SWEDEN
MAGNETIC FIELD VARIATIONS IN VICINITY OF LIGHTNING DISCHARGES, 1 OCT 1958 TO 30 JUN 1963
BY NORINDER H
DDC NUMBER 434772
INSTRUMENT AF 61(052)00171
PROJ/TASK 563156311

AFCRL 64 0079
PRINCETON U N J
MECHANICAL PROPERTIES OF GRANULAR SYSTEMS
BY FAROUKI O T
WINTERKORN H F
INSTRUMENT AF 19(628)02414
PROJ/TASK 7628 04

AFCRL 64 0080
CHALMERS INST OF TECH GOTHENBURG SWEDEN
WHISTLER MODE - IONIZED STREAM INTERACTIONS, PART I, 1 APR 1963
BY RYDBECK O E H
ASKNE J
INSTRUMENT AF 61(052)00451
PROJ/TASK 5561 01

AFCRL 64 0081
TECHNISCHE HOCHSCHULE MUNICH WEST GERMANY
ELF INVESTIGATIONS, 1 APR 1962 TO 30 JUN 1963
BY KONIG H L
DDC NUMBER 439090
INSTRUMENT AF 61(052)00603
PROJ/TASK 4603 12

AFCRL 64 0084
DENVER U COLORADO SEMINARY COLO
THE SPECTRAL RADIANCE OF THE SUN FROM 4 MICRONS TO 5 MICRONS, 4 FEB 1964
BY MURCRAY F H
MURCRAY D G
WILLIAMS W J
INSTRUMENT AF 19(604)07429
PROJ/TASK 8662 01

AFCRL 64 0085
BHIMANI RESEARCH ASSOC LEXINGTON MASS
MULTIDIMENSIONAL MODEL FOR AUTOMATIC SPEECH RECOGNITION, 14 FEB 1964
BY BHIMANI B V
INSTRUMENT AF 19(628)02766
PROJ/TASK 4610 02

AFCRL 64 0087
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
SOME PROBLEMS IN INFORMATION SCIENCE WITH EMPHASIS ON ADAPTATION TO USE THROUGH MAN- MACHINE INTERACTION, 1 JAN TO 31 DEC 1963, VOLUMES I AND II, 2 APR 1964
BY KOCHEN M
INSTRUMENT AF 19(628)02752
PROJ/TASK 5632 05

AFCRL 64 0088
LIEGE U BELGIUM
DETERMINATION OF SMOOTH DISTRIBUTIONS OF ATMOSPHERIC OZONE FROM THE ABSORPTION AND EMISSION OF THE 9.6 MICRONS BAND, 31 MAY 1963
BY VIGROUX E
INSTRUMENT AF 61(052)00962
PROJ/TASK 860386032

AFCRL 64 0089
LIEGE U BELGIUM
RESULTS OF OBSERVATIONS ON ATMOSPHERIC OZONE BY THE INFRARED METHOD, DEDUCED FROM DATA OBTAINED IN AROSA, SWITZERLAND, 31 MAY 1963
BY VIGROUX E
DEBAIX A
INSTRUMENT AF 61(052)00962
PROJ/TASK 860386032

AFCRL 64 0090
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, V, ANALYTIC SOLUTIONS OF THE FLIGHT-TIME SHIFT EQUATION, FEB 1964
BY HUNT W W JR
KENNEDY M J
PROJ/TASK 7635 03

AFCRL 64 0092
TECHNICAL OPERATIONS INC BURLINGTON MASS
PROTOTYPE DEVELOPMENT FOR METEOROLOGICAL INSTRUMENTS, 13 JAN 1964
BY SING C Y
THOMPSON R J
SOUZA A F
INSTRUMENT AF 19(604)06661
PROJ/TASK 7605 01

AFCRL 64 0093
HARVARD U CAMBRIDGE MASS
CLASSIFICATION OF SOLAR PROMINENCES FRO SUNSPOT CYCLE NUMBER 19, 1960, FEB 1964
BY MENZEL D H — DDC NUMBER 434153
JONES F S — INSTRUMENT AF 19<604>04962
PROJ/TASK 7649 01

AFCRL 64 0095
CALIFORNIA U BERKELEY
ELECTRON AND PLASMA BEAM DYNAMICS, 1957 TO 1963, 31 OCT 1963
BY SUSSKIND C — INSTRUMENT AF 19<628>00324
PROJ/TASK 5634 02

AFCRL 64 0096
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
EVALUATION OF COMPLEX ORDER HANKEL FUNCTIONS, JAN 1964
BY YEH C — DDC NUMBER 434113
INSTRUMENT AF 19<604>06195
PROJ/TASK 4642 02

AFCRL 64 0098
OKLAHOMA STATE U RESEARCH FOUNDATION STILLWATER
DESIGN, DEVELOPMENT, AND CONSTRUCTION OF MICROMETEORITE DETECTION SYSTEMS, DEC 1963
BY CLAPP S S — DDC NUMBER 434784
BUCK R F — INSTRUMENT AF 19<604>05715
PROJ/TASK 7667 02

AFCRL 64 0099
RAYTHEON CO NORWOOD MASS
INVESTIGATIONS OF ELECTRICAL CHARACTERISTICS OF ROCK MEDIUM IN NORTHERN NEW YORK STATE, JAN 1964
BY TSAO C K H — INSTRUMENT AF 19<628>02362
PROJ/TASK 4600 08

AFCRL 64 0101
HARVARD U CAMBRIDGE MASS
SPIN WAVE INSTABILITIES IN PERMALLOY FILMS OF VARYING THICKNESS, 17 DEC 1963
BY COMLY J R — INSTRUMENT AF 19<604>05487
PENNEY T — PROJ/TASK 5635 03

AFCRL 64 0104
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB L G HANSCOM FIELD MASS
STRUCTURE OF 10,10- DIBROMOANTHRONE, FEB 1964
NATURE V200 N4901 OCT 1963
BY SILVERMAN J
YANNONI N F — PROJ/TASK 6694 05

AFCRL 64 0111
ATMOSPHERIC RESEARCH AND DEVELOPMENT CORP KANSAS CITY MO
TROPOPAUSE PENETRATIONS BY CUMULONIMBUS CLOUDS, FEB 1964
BY HANKS H H JR — INSTRUMENT AF 19<628>02454
LONG M J — PROJ/TASK 8624 02
REEBE R G

AFCRL 64 0113
GENERAL TELEPHONE AND ELECTRONICS LABS INC BAYSIDE N Y
STUDY OF ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM RANGE, 31 JAN 1964
BY BLIVEN C M — DDC NUMBER 434094
FLORIO J V — INSTRUMENT AF 19<628>00331
PROJ/TASK 5634 05

AFCRL 64 0116
RAYTHEON CO NORWOOD MASS
<U> REMOTE DETECTION OF MISSILE LAUNCHES, JAN 1964 SECRET
BY SADOFSKY M D — INSTRUMENT AF 19<628>02369
EDWARDS L C — PROJ/TASK 673A

AFCRL 64 0117
MASSACHUSETTS INST OF TECH CAMBRIDGE
PLASTIC DEFORMATION OF SINGLE CRYSTAL ICE
ACTA MET V12 FEB 1964
BY READEY D W — DDC NUMBER 434389
KINGERY W D — INSTRUMENT AF 19<628>02394
PROJ/TASK 8623 01

AFCRL 64 0119
HARVARD U CAMBRIDGE MASS
CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NUMBER 19, 1961, FEB 1964
BY MENZEL D H — DDC NUMBER 434154
JONES F S — INSTRUMENT AF 19<604>04962
PROJ/TASK 7649 01

AFCRL 64 0120
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
STUDY OF SEMICONDUCTOR SOLIDS USED AS PHOTOCATALYSTS IN THE FORMATION OF ENDOTHERMIC COMPOUNDS, SEP 1963
BY CALVERT J G — DDC NUMBER 434789
INSTRUMENT AF 19<604>06644
PROJ/TASK 6694 01

AFCRL 64 0121
FLORIDA U GAINESVILLE
AN INVESTIGATION OF METHODS OF DETECTING AND CORRECTING ERRORS IN DATA TRANSMISSION SYSTEMS, FEB 1964
BY PETERSON W W
MOSS M J — INSTRUMENT AF 19<628>00431
ONEAL J B — PROJ/TASK 5632 04
WELDON E J

AFCRL 64 0123
OKLAHOMA U RESEARCH FOUNDATION NORMAN
RESEARCH DIRECTED TOWARD THE STUDY OF THE STRUCTURAL AND ULTRAVIOLET SPECTRA OF FREE RADICALS, MOLECULES AND MOLECULAR IONS USING THEORETICAL AND COMPUTATIONAL METHODS, FEB 1964
DDC NUMBER 437952
INSTRUMENT AF 19<604>05576
PROJ/TASK 7635 07

AFCRL 64 0124
OKLAHOMA U RESEARCH FOUNDATION NORMAN
SOME CHARACTERISTICS OF DENSITY DISTRIBUTION AS INFERRED FROM WIND MEASUREMENTS MADE BY THE METEOROLOGICAL ROCKET NETWORK, FEB 1964
BY THORNLEY D R — INSTRUMENT AF 19<628>00489
PROJ/TASK 8624 02

AFCRL 64 0125
EDGERTON GERMESHAUSEN AND GRIER INC BOSTON MASS
A SATELLITE- BORNE XENON FLASH OPTICAL BEACON FOR USE ON THE PROPOSED MISSILE RANGE CALIBRATION SATELLITE, 23 FEB 1964
DDC NUMBER 438872
DDC NUMBER 438873
BY GRONBERG E T — DDC NUMBER 438874
SAUNDERS R I — INSTRUMENT AF 19<628>02979
WARNER C — PROJ/TASK 5930 03

AFCRL 64 0127
BENDIX CORP BALTIMORE MD
AIR LAUNCHED ROCKETSOUNDING STUDY, 27 FEB 1964
BY BLACKBURN C R — INSTRUMENT AF 19<628>03264
GEORGE D R — PROJ/TASK 6020 01

AFCRL 64 0128
ELECTROMAGNETIC RESEARCH CORP COLLEGE PARK MD
PROCEDURES FOR ESTIMATING RADIO FIELDS PROPAGATED BY MULTIPE SCATTERING IN THE TROPOSPHERE, 31 DEC 1963
BY AMENT W S — INSTRUMENT AF 19<628>00272
PROJ/TASK 5631 04

AFCRL 64 0129
NEW YORK U NEW YORK
THEORETICAL STUDY OF THE USE OF GEOMETRIC TECHNIQUES IN THE MICROWAVE FIELD, 16 JAN 1961 TO 15 JAN 1964
BY STOCK D J R — INSTRUMENT AF 19<604>07486
KAPLAN L J — PROJ/TASK 5635 01

AFCRL 64 0130
OHIO STATE U COLUMBUS
THE EFFECT OF TOPOGRAPHY AND ITS ISOSTATIC COMPENSATION ON FREE AIR GRAVITY ANOMALIES, DEC 1963
BY KIVIOJA L A — INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0131
OHIO STATE U COLUMBUS
GEODETIC EXPERIMENT BY MEANS OF A TORSION BALANCE, DEC 1963
BY MUELLER I I — INSTRUMENT AF 19<628>02771
HOLWAY O III — PROJ/TASK 7600 02
KING R B JR

AFCRL 64 0132
OHIO STATE U COLUMBUS
ACCURACY OF MEAN GRAVITY ANOMALIES OBTAINED FROM POINT AND PROFILE MEASUREMENTS, DEC 1963
BY MORITZ H — INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0133
LION K S CONSULTING ENGINEERS CAMBRIDGE MASS
INVESTIGATION IN THE FIELD OF IMAGE INTENSIFICATION, 31 JAN 1964
BY LION K S — INSTRUMENT AF 19<604>05704
VANDERSCHMIDT G F — PROJ/TASK 766176612

AFCRL 64 0134
HP ASSOC PALO ALTO CALIF
INVESTIGATION OF HOT ELECTRON EMITTER, 1 SEP 1963 THROUGH 31 DEC 1963
BY SOSHEA R W — DDC NUMBER 433894
LUCAS R C — INSTRUMENT AF 19<628>01637
REID D A — PROJ/TASK 4608 05
DOWLER V M
HARMON R C

AFCRL 64 0136
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
INVESTIGATIONS OF FUNDAMENTAL LIMITATIONS DETERMINING THE ULTIMATE SIZE OF MICROSTRUCTURES, 31 JAN 1964
BY EVANS R J — INSTRUMENT AF 19<604>08040
REVESZ A G — PROJ/TASK 5632
WALLMARK J T

AFCRL 64 0139
PARKE MATHEMATICAL LABS INC CARLISLE MASS
RESEARCH ON ALGEBRAIC AND STATISTICAL THEORY, FEB 1964
INSTRUMENT AF 19<604>07493
PROJ/TASK 5628

AFCRL 64 0140
NATIONAL BUREAU OF STANDARDS BOULDER COLO
THE OBLIQUE PROPAGATION OF GROUND WAVES ACROSS A COAST LINE, PART III, 19 FEB 1964
BY WAIT J R — INSTRUMENT PRO-62-201
PROJ/TASK 4600 04

AFCRL 64 0141
EWEN-KNIGHT CORP EAST NATICK MASS
OXYGEN HORIZON SEEKER, THEORETICAL ANALYSIS, 14 FEB 1964
BY LILLEY A F — INSTRUMENT AF 19<628>03239
TYLER W — PROJ/TASK 4427 02
ROBICHAUD A

AFCRL 64 0142
GENERAL ELECTRIC CO KING OF PRUSSIA PA
THEORETICAL CALCULATION OF CROSS- SECTIONS OF IMPORTANCE TO ATMOSPHERIC DEIONIZATION, JAN 1964
BY BAULKNIGHT C W
BORTNER M H
INSTRUMENT AF 19<604>08820
PROJ/TASK 8653 02

AFCRL 64 0143
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
RESEARCH ON OSCILLOSCOPIC STEREOSCOPE, 31 AUG 1961 TO JUL 1962
BY OLLENDORFF F
HIRSH E
FRIEDMAN G
SHAUDENISHKY L
DDC NUMBER 434776
INSTRUMENT AF 61<052>00551
PROJ/TASK 5635 01

AFCRL 64 0144
BITTERLICH W INNSBRUCK AUSTRIA
HORIZONTAL MAGNETIC DIPOLE IN A CONDUCTION EARTH, 25 NOV 1963
BY TINHOFER G
DDC NUMBER 434775
INSTRUMENT AF 61<052>00490
PROJ/TASK 4610 01

AFCRL 64 0145
BITTERLICH W INNSBRUCK AUSTRIA
PROPAGATION OF VLF WAVES IN HIGHLY CONDUCTING MEDIUM, 1 DEC 1963
BY GROBNER O
DDC NUMBER 434776
INSTRUMENT AF 61<052>00490
PROJ/TASK 4610 01

AFCRL 64 0146
AEROSPACE RESEARCH INC BRIGHTON MASS
<U> DETECTION OF ROCKET INDUCED IONOSPHERIC DISTURBANCES BY MEASUREMENT OF SMALL COSMIC NOISE CHANGES, DEC 1963, SECRET
BY ROTTENBERG J A
RUSSELL L
DDC NUMBER 349876
INSTRUMENT AF 19<628>02437
PROJ/TASK 4649 02

AFCRL 64 0148
CONNECTICUT U STORRS
ANGULAR DEPENDENCE OF DIFFERENTIAL CROSS SECTION FOR CHARGE TRANSFER IN SINGULARLY IONIZED HELIUM ON HELIUM COLLISIONS, 30 APR 1964
BY EVERHART F
INSTRUMENT AF 19<628>02387
PROJ/TASK 7635

AFCRL 64 0150
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
INDICATIONS OF A LUNAR SYNODICAL PERIOD IN THE SUNSHINE OBSERVATIONS FOR BOSTON, MASS, AND COLUMBIA, MO., MAR 1964
BY LUND I A
PROJ/TASK 8624 02

AFCRL 64 0151
TECHNICAL OPERATIONS INC BURLINGTON MASS
LOSS FACTORS AFFECTING RUBY LASER SYSTEMS, 31 JAN 1964
BY MASTERS J
WARD J
MURRAY E M E
INSTRUMENT AF 19<628>00405
PROJ/TASK 4645 02

AFCRL 64 0154
PARAMETRICS INC WALTHAM MASS
RESEARCH DIRECTED TOWARD THEORETICAL AND EXPERIMENTAL INVESTIGATIONS INVOLVING SHOCK HEATED HIGH TEMPERATURE GASES, 14 FEB 1964
BY CARNEVALE F H
LARSON G S
WOLNIK S J
DDC NUMBER 434357
INSTRUMENT AF 19<628>02428
PROJ/TASK 8635 03

AFCRL 64 0156
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
WIND AND TEMPERATURE VARIATIONS DURING DEVELOPMENT OF A LOW LEVEL JET, MAR 1964
J APPL METEOROL V2 N5 PP668-673 OCT 1963
BY IZUMI Y
BARAD M L
PROJ/TASK 8604 01

AFCRL 64 0158
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
CENTRAL- FORCE LAWS FOR AN ELLIPTIC ORBIT, MAR 1964
AM MATH MONTHLY V71 N1 JAN 1964
BY TOMAN K
PROJ/TASK 7661 05

AFCRL 64 0160
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
EXAMINATION OF A WIND PROFILE PROPOSED BY SWINBANK, MAR 1964
J APPL METEOROL V2 N6 PP747-754 DEC 1963
BY BARAD M L
PROJ/TASK 8604 01

AFCRL 64 0161
CALIFORNIA INST OF TECH PASADENA
MULTI-REFLECTOR OPTICAL RESONATORS, 27 FEB 1964
BY CLARK P O
INSTRUMENT AF 19<604>08052
PROJ/TASK 4600 06

AFCRL 64 0162
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
HELIUM AND ARGON EMISSION CONTINUA AND THEIR USE IN ABSORPTION CROSS- SECTION MEASUREMENTS IN THE VACUUM ULTRAVIOLET, MAR 1964
PROC CONF IONIZATION PHENOMA GASES 6TH PARIS 1963
BY HUFFMAN R F
TANAKA Y
LARRABEE J C
PROJ/TASK 8627 01

AFCRL 64 0163
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
OPERATIONAL PREDICTION OF DIFFUSION DOWNWIND FROM LINE SOURCES, MAR 1964
BY ELLIOTT W P
BARAD M L
PROJ/TASK 7655 04

AFCRL 64 0164
SPACE GENERAL CORP EL MONTE CALIF
EXPERIMENTAL RESEARCH INVESTIGATION OF EXTREMELY LOW FREQUENCY PROPAGATION, 28 FEB 1964
BY DUNN G R
KUHNLE P F
SMITH R D
INSTRUMENT AF 19<628>01603
PROJ/TASK 4603 13

AFCRL 64 0165
DENVER U COLORADO SEMINARY COLO
RADIANCE OF THE EARTH IN SELECTED WAVE LENGTH INTERVALS AS OBSERVED FROM HIGH ALTITUDES, 31 MAR 1964
BY MURCRAY D G
INSTRUMENT AF 33<616>07633
PROJ/TASK 4479 01

AFCRL 64 0166
CONTROLS FOR RADIATION INC CAMBRIDGE MASS
IMPROVEMENT OF PHOTOMULTIPLIER RESPONSE AND DEVELOPMENT OF A DEVICE FOR MEASUREMENT OF KEV AURORAL ELECTRONS, MAR 1964
BY MCCALL R C
JASINS A C
INSTRUMENT AF 19<628>02910
PROJ/TASK 7661 06

AFCRL 64 0167
MASSACHUSETTS INST OF TECH CAMBRIDGE
ANGULAR MOMENTUM FLUX IN THE FORMATION OF THE SOLAR SYSTEM, 1 FEB 1964
BY GAUT N E
DDC NUMBER 438007
INSTRUMENT AF 19<628>02408
PROJ/TASK 8628 02

AFCRL 64 0168
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
PHOTOIONIZATION AND PHOTOIONIZATION-INDUCED ION-MOLECULE REACTIONS, 28 FEB 1964
BY WEISSLER G L
INSTRUMENT AF 19<628>02452
PROJ/TASK 7635 05

AFCRL 64 0170
NORTHROP CORP NEEDHAM HEIGHTS MASS
RADIOMETRIC DATA GATHERING PROGRAM, FEB 1964
BY HOWES B S
INSTRUMENT AF 19<628>02749
PROJ/TASK 4600 07

AFCRL 64 0173
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
TRANSIENT SOLUTIONS FOR A CLASS OF DIFFRACTION PROBLEMS, 6 MAR 1964
BY FELSEN L B
INSTRUMENT AF 19<628>02357
PROJ/TASK 5635 01

AFCRL 64 0174
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
EQUATORIAL LOCI OF EARTH-S MAGNETIC FIELD AND COSMIC RAY PARAMETERS, MAR 1964
BY CHERNOSKY E J
COLLINS J M
HAGAN M P
PROJ/TASK 8601 02

AFCRL 64 0175
CALIFORNIA INST OF TECH PASADENA
AN INTERFEROMETRIC MEASUREMENT OF INDEX OF REFRACTION, 13 MAR 1964
BY SHUMATE M S
INSTRUMENT AF 19<604>08052
PROJ/TASK 4600 06

AFCRL 64 0176
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
PRESSURE-INDUCED SHIFTS OF MOLECULAR LINES IN EMISSION AND IN ABSORPTION, JAN 1964
J CHEM PHYS V39 N6 PP1447-1448 SEP 1963
BY JAFFE J H
FRIEDMANN H
HIRSHFELD M A
BEN-REUVEN A
INSTRUMENT AF 61<052>00388
PROJ/TASK 8603 03

AFCRL 64 0179
TEXAS U AUSTIN
A COMMUNICATION SYSTEM AND THEORY FOR INVESTIGATION OF ELECTROMAGNETIC WAVE PROPAGATION IN THE EARTH AT FREQUENCIES FROM 0 TO 3000 CPS, 28 FEB 1964
BY WORD D R
PATRICK F W
INSTRUMENT AF 19<604>08513
PROJ/TASK 4600 08

AFCRL 64 0180
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
AUTOMATIC DIGITAL RADAR REFLECTIVITY ANALYSIS OF A TORNADIC STORM, MAR 1964
J APPL METEOROL V2 N5 PP574-581 OCT 1963
BY ATLAS D
BROWNING K A
DONALDSON R J JR
SWEENEY H J
PROJ/TASK 6672 01

AFCRL 64 0181
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
AIRFLOW AND STRUCTURE OF A TORNADIC STORM, MAR 1964
J ATMOS SCI V20 N6 PP533-545 NOV 1963
BY BROWNING K A
DONALDSON R J JR
PROJ/TASK 6672 03

AFCRL 64 0183
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
SHALLOW FOCUS EXPLOSION IN A LIQUID SPHERE, 10 JAN 1964
BY ALTERMAN Z
KORNFELD P
INSTRUMENT AF 61<052>00509
PROJ/TASK 8652 06

AFCRL 64 0184
MICHIGAN U ANN ARBOR MICH
THE ATMOSPHERIC PRESSURE WAVE GENERATED BY A NUCLEAR EXPLOSION, FEB 1964
BY VANHULSTEYN D B
INSTRUMENT AF 19<628>00304
PROJ/TASK 7637 02

AFCRL 64 0185
COLUMBIA U NEW YORK N Y
PROPAGATION OF PL WAVES ACROSS THE UNITED STATES, FEB 1964
BULL SEISMOL SOC AM V54 N1 PP151-160
BY OLIVER J
INSTRUMENT AF 19<604>07376
PROJ/TASK 8652 03

AFCRL 64 0186
COLUMBIA U NEW YORK N Y
ON ELASTIC STRAIN OF THE EARTH IN THE PERIOD RANGE 5 SECONDS TO 100 HOURS, FEB 1964
BY MAJOR M W
SUTTON G H
OLIVER J
METSGER R
INSTRUMENT AF 19<604>07376
PROJ/TASK 8652 03

AFCRL 64 0187
GEORGIA INST OF TECH ATLANTA
ANALYSIS TECHNIQUES FOR DETERMINING MASS MOTIONS IN THE UPPER ATMOSPHERE FROM CHEMICAL RELEASES, JAN 1964
BY JUSTUS C G
EDWARDS H D
FULLER R N
INSTRUMENT AF 19<628>03305
PROJ/TASK 4984 01

AFCRL 64 0188
MOTOROLA INC PHOENIX ARIZ
RESEARCH AND DEVELOPMENT FOR SURFACE PROTECTION OF SEMICONDUCTOR DEVICES, 14 DEC 1963
BY HALL M A
COOPER H W
FLASCHEN S S
INSTRUMENT AF 19<604>08358
PROJ/TASK 5621

AFCRL 64 0189
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
INVESTIGATION OF TWO-CARRIER INJECTION ELECTROLUMINESCENCE, 15 MAR 1964
BY FISCHER A G
INSTRUMENT AF 19<628>03866
PROJ/TASK 4608 05

AFCRL 64 0190
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
A SEARCH FOR RAINFALL CALENDARICITIES, MAR 1964
J ATMOS SCI V20 N6 PP529-532 NOV 1963
BY BRIER G W
SHAPIRO R
MACDONALD N J
PROJ/TASK 8604 04

AFCRL 64 0191
NEW YORK STATE U STONY BROOK
THE TIME DOMAIN SYNTHESIS OF DISTRIBUTIONS, 1 FEB 1964
BY ZEMANIAN A H
INSTRUMENT AF 19<628>02981
PROJ/TASK 5628 01

AFCRL 64 0192
SYLVANIA ELECTRIC PRODUCTS INC WALTHAM MASS
PART I . <U> STUDY OF MUBIS ANTENNA IN EARLY WARNING SYSTEMS, 13 MAR 1964, SECRET . PART II, MULTIPLE BEAM INTERVAL SCANNER, 23 MAR 1964
BY CALHAMER A R
EISENSTADT B M
LARUSSA F J
INSTRUMENT AF 19<604>07385
PROJ/TASK 4600 07

AFCRL 64 0193
ALLIED RESEARCH ASSOC INC CONCORD MASS
NUMERICAL METHODS FOR COMPUTING THE DENSITY OF A RAREFIED GAS ABOUT A MOVING OBJECT, MAR 1964
BY PARKER L W
INSTRUMENT AF 19<628>02782
PROJ/TASK 4691 02
PROJ/TASK 5633 06

AFCRL 64 0195
OKLAHOMA STATE U RESEARCH FOUNDATION STILLWATER
SUPPORT OF THE UPPER AIR ROCKET RESEARCH PROGRAM
BY GUINN C M
HOOVER W
ZINN J
INSTRUMENT AF 19<604>06648
PROJ/TASK 7659 03

AFCRL 64 0197
MCGILL U MONTREAL P Q CANADA
CONTRIBUTIONS TO THE SEMINARS ON THE STRATOSPHERE AND MESOSPHERE AND POLAR METEOROLOGY, 7-19 JUL 1963
METEOROLOGY N47 JAN 1963
INSTRUMENT AF 19<604>08431
PROJ/TASK 8628 07

AFCRL 64 0198
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
EVALUATING THE LOGICAL DESIGN OF THE PROBLEM ORIENTED SYMBOL PROCESSOR, 1 NOV 1963, WITH APPENDIX
BY SCHAUER R F
MEGGITT J F
INSTRUMENT AF 19<628>03257
PROJ/TASK 850F

AFCRL 64 0199
HARVARD U CAMBRIDGE MASS
THE VARIATION OF PERIODICITY OF MAGNETIC STRUCTURE WITH DILUTION AND TEMPERATURE FOR THE HEAVY RARE- EARTH METALS, 24 FEB 1964
BY COOPER B R
INSTRUMENT AF 19<628>03874
PROJ/TASK 5635 03

AFCRL 64 0204
LOCKHEED AIRCRAFT CORP PALO ALTO CALIF
SUB-ELF GEOMAGNETIC FLUCTUATIONS, VOL I - FREQUENCY TIME CHARACTERISTICS OF HYDROMAGNETIC EMISSIONS, VOL II STATISTICAL STUDIES OF HYDROMAGNETIC EMISSIONS, VOL III OBSERVATIONS OF TRANSIENT AND BACKGROUND ELF AND SUB-ELF ELECTROMAGNETIC EFFECTS PRODUCED BY HIGH ALTITUDE NUCLEAR DETONATIONS, 26 DEC 1963
BY TEPLEY L
WENTWORTH R C
AMUNDSEN K D
LAMBERT K G
PRENTISS H V
HILLENDAHL D R
INSTRUMENT AF 19<628>00462
PROJ/TASK 8653

AFCRL 64 0210
BLOCK ASSOC INC CAMBRIDGE MASS
INFRARED HORIZON STUDIES, 31 DEC 1963
BY PERSKY M J
DDC NUMBER 430887
INSTRUMENT AF 19<628>02946
PROJ/TASK 4427 02

AFCRL 64 0211
PENNSYLVANIA STATE U UNIVERSITY PARK
MODEL STUDIES OF SEISMIC ENERGY DISTRIBUTION AROUND DIFFERENT TYPES OF SOURCE, 20 DEC 1963
BY HOWELL B F JR
LAVIN P M
DDC NUMBER 427869
INSTRUMENT AF 19<604>07383
PROJ/TASK 8652 08

AFCRL 64 0213
HUGHES AIRCRAFT CO CULVER CITY CALIF
INFORMATION THEORETIC EVALUATION AND OPTIMIZATION OF ANTENNA SYSTEMS, MAR 1964
BY YOUNG G O
KSIENSKI A
INSTRUMENT AF 19<628>00333
PROJ/TASK 4600 06

AFCRL 64 0214
HUGHES AIRCRAFT CO CULVER CITY CALIF
GENERALIZED COHERENCE THEORY, MAR 1964
BY YOUNG G O
KSIENSKI A
INSTRUMENT AF 19<628>00333
PROJ/TASK 4600 06

AFCRL 64 0215
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
AN APPLICATION OF INDUCTION HEATING TO ROCK DEFORMATION APPARATUS, MAR 1964
BY RIECKER R F
PROJ/TASK 8652 11

AFCRL 64 0219
SELENIA S P A ROME ITALY
MICROWAVE PROPAGATION BY MAGNETO-IONIC DUCTS, OCT 1963
BY GILARDINI I A
INSTRUMENT AF 61<052>00145
PROJ/TASK 5630

AFCRL 64 0228
TEXAS U AUSTIN
CALCULATED REFRACTIVE INDICES FOR SMALL-AMPLITUDE GEOMAGNETIC DISTURBANCES, 15 DEC 1963
BY CHAPMAN C W
FANNIN B M
GRAY R G
DDC NUMBER 430888
INSTRUMENT AF 19<604>08038
PROJ/TASK 4603

AFCRL 64 0229
STANFORD RESEARCH INST MENLO PARK CALIF
THE SYNOPTIC CLIMATOLOGY OF CLOUD- FREE AREAS, DEC 1963
BY ALDER J F
SERBRENY S M
DDC NUMBER 433504
INSTRUMENT AF 19<628>02363
PROJ/TASK 6300

AFCRL 64 0230
STANFORD RESEARCH INST MENLO PARK CALIF
THE SYNOPTIC CLIMATOLOGY OF CLOUD- FREE AREAS, DEC 1963
BY SERBRENY S M
ALDER J F
DDC NUMBER 433503
INSTRUMENT AF 19<628>02363
PROJ/TASK 6300

AFCRL 64 0231
SHELL DEVELOPMENT CO HOUSTON TEX
A NOTE ON THE COMPUTATION OF RAYLEIGH WAVE DISPERSION CURVES FOR ELASTIC MEDIA, 7 JAN 1964
BY ROSENBAUM J H
INSTRUMENT AF 19<628>02785
PROJ/TASK 8652 04

AFCRL 64 0233
MAX-PLANCK-INST FUR CHEMIE MAINZ WEST GERMANY
TRITIUM DETERMINATIONS IN ATMOSPHERIC GASES AND METEORITES, NOV 963
BY BEGEMANN F
INSTRUMENT AF 61<052>00465
PROJ/TASK 769076901

AFCRL 64 0240
GENERAL DYNAMICS CORP ASTRONAUTICS SAN DIEGO CALIF
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF SUITABILITY OF THE GLOTRAC TYPE G TRANSPONDER FOR USE IN THE RANGE CALIBRATION SATELLITE, PART A, 1 DEC 1963, PART B, 15 MAR 1964
BY BRAUN R
INSTRUMENT AF 19<628>03274
PROJ/TASK 5930 03

AFCRL 64 0241
MASSACHUSETTS INST OF TECH CAMBRIDGE
STUDIES IN OPTIMUM FILTERING OF SINGLE AND MULTIPLE STOCHASTIC PROCESSES, 30 JUN 1963
BY SIMPSON S M
ROBINSON E A — INSTRUMENT AF 19<604>07378
WIGGINS R A — PROJ/TASK 8652 03
WUNSCH C I

AFCRL 64 0242
CALIFORNIA INST OF TECH PASADENA
PLASMA DIAGNOSIS BY MEANS OF PHOTON- ELECTRON SCATTERING, 1 FEB 1964
BY SCHWARTZ S E
INSTRUMENT AF 19<604>08052
PROJ/TASK 4600 06

AFCRL 64 0244
NEW YORK U NEW YORK
DIFFRACTION OF ELECTROMAGNETIC WAVES BY A CIRCULAR APERTURE IN AN INFINITELY CONDUCTING PLANE SCREEN, MAR 1964
BY RAZER J
RUBENFELD L — INSTRUMENT AF 19<604>05238
PROJ/TASK 5635 02

AFCRL 64 0245
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
MAGNETOMETER, PHOTOMETER, AND EARTH CURRENT OBSERVATIONS AT KIRUNA, 15 FEB 1964
BY GUSTAFSSON G — DDC NUMBER 434778
EGELAND A — INSTRUMENT AF 61<052>00688

AFCRL 64 0246
OSLO U NORWAY
A COMPUTATION OF THE VERTICAL CIRCULATION IN A FRONTAL ZONE FROM THE QUASI- GEOSTROPHIC EQUATIONS, 8 JAN 1964
BY TODSEN M
INSTRUMENT AF 61<052>00525
PROJ/TASK 6020 04

AFCRL 64 0247
IONOSPHAEREN INST BREISACH WEST GERMANY
DEVELOPMENT OF LOW- WEIGHT MEASURING APPARATUS FOR ELECTRON DENSITIES IN A PLASMA, 20 NOV 1963
BY JACOBS K G — DDC NUMBER 434894
RAWER K — INSTRUMENT AF 61<052>00290
PROJ/TASK 460346137

AFCRL 64 0249
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
THE DISTORTION OF CUMULONIMBUS PRECIPITATION OBSERVED BY RADAR, NOV 1963
BY PROBERT-JONES J R — DDC NUMBER 434779
INSTRUMENT AF 61<052>00254
PROJ/TASK 8620 04

AFCRL 64 0250
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
THE NONLINEAR INTERACTION OF AN ELECTROMAGNETIC WAVE WITH A TIME DEPENDENT PLASMA MEDIUM, APR 1964
BY PAPA R J
PROJ/TASK 4642 02

AFCRL 64 0251
ACF INDUSTRIES INC PARAMUS N J
DESIGN OF A UHF RADIOMETER FOR PLASMA MEASUREMENTS, 9 MAR 1964
INSTRUMENT AF 19<604>08821
PROJ/TASK 4642 01

AFCRL 64 0252
ACF INDUSTRIES INC PARAMUS N J
L-BRAND RADIOMETER TYPE 207, 9 MAR 1964
INSTRUMENT AF 19<604>08821
PROJ/TASK 4642 01

AFCRL 64 0254
GENERAL ELECTRIC CO SYRACUSE N Y
FEASIBILITY DEMONSTRATION OF A NEW PLASMA DIAGNOSTIC PROBE, 24 JAN 1964
BY KINGSLAND D
INSTRUMENT AF 19<628>02378
PROJ/TASK 6327

AFCRL 64 0256
OKLAHOMA U RESEARCH FOUNDATION NORMAN
PROGRESS ON A STUDY OF ATMOSPHERIC CIRCULATION TO 200 KILOMETERS IN TERMS OF DENSITY, FEB 1964
BY WHITEHEAD V S
SAUCIER W J — INSTRUMENT AF 19<628>00489
PROJ/TASK 8624 02

AFCRL 64 0260
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
PERTURBATION APPROACH TO THE DIFFRACTION OF ELECTROMAGNETIC WAVES BY ARBITRARILY SHAPED DIELECTRIC OBSTACLES, MAR 1964
BY YEH C W H
INSTRUMENT AF 19<604>06195
PROJ/TASK 4642 02

AFCRL 64 0263
ROYAL INST OF TECH STOCKHOLM SWEDEN
ACOUSTIC SPECIFICATION OF SPEECH STL, 5 JAN 1964
BY FANT C G M
INSTRUMENT AF-EOAR -0055-63
PROJ/TASK 4610 02

AFCRL 64 0264
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
LEE WAVE CLOUDS PHOTOGRAPHED FROM AN AIRCRAFT AND A SATELLITE, APR 1964
WEATHER V19 N3 MAR 1964
BY CONOVER J H
PROJ/TASK 6698 02

AFCRL 64 0266
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
AURORAL ZONE FARADAY ROTATION STUDIES, 30 DEC 1963
BY LISZKA L
INSTRUMENT AF 61<052>00678
PROJ/TASK 4643 02

AFCRL 64 0267
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
DEPENDENCE OF AURORAL ZONE SATELLITE SCINTILLATION ON GEOMAGNETIC ACTIVITY, 16 JAN 1964
BY LISZKA L
INSTRUMENT AF 61<052>00678
PROJ/TASK 4643 02

AFCRL 64 0268
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
THE GEOGRAPHICAL DISTRIBUTION OF SATELLITE SCINTILLATION ACTIVITY ABOVE NORTHERN SCANDINAVIA, 10 FEB 1964
BY LISZKA L
INSTRUMENT AF 61<052>00678
PROJ/TASK 4643 02

AFCRL 64 0269
DENMARK TECHNICAL U COPENHAGEN
OBSERVATIONS OF WHISTLERS AND VLF EMISSIONS AT GODHAVEN AND NARSSARSSUAQ, GREENLAND AND AT TROMSO, NORWAY IN 1962, JAN 1964
BY JACKEROTT I M
STOCKFELT T — INSTRUMENT AF 61<052>00652
TAAGHOLT J — PROJ/TASK 7663 06

AFCRL 64 0270
IONOSPHAEREN INST BREISACH WEST GERMANY
RESULTS OF E REGION DRIFT MEASUREMENTS
PROC INTERN CONF IONOSPHERE LONDON JUL 1962
BY HARNISCHMACHER F
INSTRUMENT AF 61<052>00081
PROJ/TASK 860586051

AFCRL 64 0271
ITEK CORP LEXINGTON MASS
THE APPLICATION OF PHOTOGRAPHIC PHOTOMETRY TO ELECTRONIC DISPLAY SYSTEMS, JAN 1964
PHOT SCI ENG V8 N1 PP2-6 JAN-FEB 1964
BY SANFORD L C
HARVEY D I — INSTRUMENT AF 19<604>08467
KOHLER R J — PROJ/TASK 6698 02

AFCRL 64 0272
MCGILL U MONTREAL P Q CANADA
EVAPORATION AND SENSIBLE HEAT FLUX OVER THE ARCTIC OCEAN, MAR 1964
METEOROLOGY N66 MAR 1964
BY VOWINCKEL E
TAYLOR B — INSTRUMENT AF 19<604>07415
PROJ/TASK 8623 03

AFCRL 64 0273
INTERNATIONAL BUSINESS MACHINES CORP CAMBRIDGE MASS
SHORT ARC ORBIT DETERMINATION FOR ANNA SATELLITE, MAR 1964
BY ROSSONI J P
SCONZO P — INSTRUMENT AF 19<628>03266
WINFIELD D — PROJ/TASK 5930 03

AFCRL 64 0274
ALASKA U COLLEGE
AN INVESTIGATION OF SOLAR INDUCED PHENOMENA AT MAGNETICALLY CONJUGATE POINTS, PARTS 1 AND 2, MAY 1964
BY WESTCOTT E H
MATHER K B — INSTRUMENT AF 19<628>02779
PROJ/TASK 8653

AFCRL 64 0275
HARVARD U CAMBRIDGE MASS
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF SOLAR PHENOMENA, FEB 1964
BY BELL B
MENZEL D H — INSTRUMENT AF 19<604>04962
PROJ/TASK 7649 01

AFCRL 64 0276
UTAH U SALT LAKE CITY
DIRECT IN SITU MEASUREMENTS OF WAKE CHARACTERISTICS OF REENTRY VEHICLES, 16 MAR 1964
BY STEPHENSON R L
HAMMOND S B — INSTRUMENT AF 19<628>03243
DEVRIES K L — PROJ/TASK 6327
BURT D A

AFCRL 64 0277
MIAMI U CORAL GABLES FLA
DIFFUSION OF PLASMAS ACROSS A MAGNETIC FIELD, 1 MAR 1963 TO 28 FEB 1964
BY KURSUNOGLU B
INSTRUMENT AF 19<628>02844
PROJ/TASK 6694 09

AFCRL 64 0278
KANSAS STATE U MANHATTAN
THE PREPARATION AND PROPERTIES OF THIN FILMS OF SEMICONDUCTORS, 1 MAR 1964
BY DALE E B
SENECAL G — INSTRUMENT AF 19<604>07218
HUEBNER D H — PROJ/TASK 5621 03
WONG F K
BEHLE A

AFCRL 64 0279
CASE INST OF TECH CLEVELAND OHIO
ELECTROMAGNETIC POTENTIALS AND FIELD EXPANSIONS FOR PLASMA RADIATION IN WAVE GUIDES, MAR 1964
BY COLLIN R E
INSTRUMENT AF 19<628>01699
PROJ/TASK 5635 03

AFCRL 64 0280
SYLVANIA ELECTRIC PRODUCTS INC WALTHAM MASS
A STUDY OF EXTREMELY- LOW- FREQUENCY WAVE MOTIONS, 26 FEB 1964
BY CANTOR A
FARBER J
INSTRUMENT AF 19<628>00340
PROJ/TASK 5631 01

AFCRL 64 0281
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
A STUDY OF AN AUTOMATION PROCEDURE FOR X-RAY DIFFRACTOMETRY, 31 JAN 1964
BY COLE H
OKAYA Y
CHAMBERS F
INSTRUMENT AF 19<628>02469
PROJ/TASK 4608 04

AFCRL 64 0283
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
A SURVEY OF ALGOL-LIKE AND CONTEXT FREE LANGUAGE THEORY, 6 MAR 1964
BY GINSBURG S
INSTRUMENT AF 19<628>00485
PROJ/TASK 464146410

AFCRL 64 0284
OXFORD U ENGLAND
INFRARED ABSORPTION OF HYDROGEN AND DEUTERIUM IONS IN CALCIUM FLUORIDE, 30 JAN 1964
BY HAYES W
JONES G D
ELLIOTT R J
SENNETT C T
INSTRUMENT AF 61<052>00677
PROJ/TASK 5621 04

AFCRL 64 0285
HUGHES AIRCRAFT CO FULLERTON CALIF
PRELIMINARY DESIGN STUDY OF A FLAT PLATE REFLECTOR AND SUPPORT UNIT, 14 FEB 1964
BY MARGOLISS D
ATARIS M
CROSS R
SCHAEFER D
ROSS F
INSTRUMENT AF 19<628>02994

AFCRL 64 0287
NEW YORK U NEW YORK
PARALLEL CHANNEL MULTILOOP FEEDBACK AMPLIFIERS, NOV 1963
BY GOLEMBESKI J
INSTRUMENT AF 19<628>00379
PROJ/TASK 5628 06

AFCRL 64 0288
NEW YORK U NEW YORK
ON THE DOMINANT POLES OF THE DISTRIBUTED RC NETWORKS MAR 1964
BY KELLY J J
GHAUSI M S
INSTRUMENT AF 19<628>00379
PROJ/TASK 5628 06

AFCRL 64 0290
ILLINOIS U URBANA
THE GENERALIZED SCATTERING MATRIX ANALYSIS OF WAVE GUIDE DISCONTINUITY PROBLEMS, APR 1964
BY PACE J R
INSTRUMENT AF 19<628>03819
PROJ/TASK 5635 02

AFCRL 64 0291
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
A MONOPOLE DRIVEN PHASES ARRAY FEED FOR SPHERICAL REFLECTORS, APR 1964
BY MAVROIDES W G
DORR L S
PROJ/TASK 4600 02

AFCRL 64 0296
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
AN APPLICATION OF MODIFIED GEOMETRICAL OPTICS METHOD BISTATIC RADAR CROSS SECTIONS OF DIELECTRIC BODIES, 15 NOV 1963
BY KAWANO T
PETERS L JR
DDC NUMBER 439378
INSTRUMENT AF 19<604>07270
PROJ/TASK 5633 06

AFCRL 64 0302
INTERNATIONAL TELEPHONE AND TELEGRAPH CORP
SAN FERNANDO CALIF
RESEARCH ON THE DETECTION OF INFRARED EMISSION FROM SATELLITE VEHICLES, FEB 1964
BY HALL F F JR
INSTRUMENT AF 19<604>04971
PROJ/TASK 767076705

AFCRL 64 0303
LIGHTCLIMATIC OBSERVATORY AROSA SWITZERLAND
VERTICAL OZONE DISTRIBUTION OVER AROSA, AUGUST 1962 TO JULY 1963, JAN 1964
BY DUTSCH H U
INSTRUMENT AF-EOAR -0115-62
PROJ/TASK 860486045

AFCRL 64 0304
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
AN INVESTIGATION OF THE NATURAL ELECTROMAGNETIC RADIATIONS BETWEEN 10 C/S AND 10 KC/S, 20 FEB 1964
BY EGELAND A
GUSTAFSSON G
OLSEN S
BARRON W
KATZ A
INSTRUMENT AF 61<052>00678
PROJ/TASK 4643 02

AFCRL 64 0305
NEW YORK U NEW YORK
ON THE PROPERTIES OF COMBINATIONS OF PARAMETRIC ELEMENTS, MAR 1964
BY KLAPPER J
GHAUSI M S
INSTRUMENT AF 19<628>00379
PROJ/TASK 5628 06

AFCRL 64 0306
TEXAS U AUSTIN
OPERATION AND PERFORMANCE OF THE CEDAR HILL METEOROLOGICAL TOWER FACILITY, 31 JAN 1964
BY MITCHAM W S
JEHN K H
INSTRUMENT AF 19<628>02459
PROJ/TASK 7655 01

AFCRL 64 0307
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
PARAMAGNETIC RELAXATION IN CRYSTALS, 31 OCT 1963
BY CASTLE J G JR
FELDMAN D W
INSTRUMENT AF 19<628>01640
PROJ/TASK 4608 01

AFCRL 64 0308
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
PARAMAGNETIC RELAXATION IN CRYSTALS, 14 MAY 1962
BY CASTLE J G JR
FELDMAN D W
INSTRUMENT AF 19<604>05589
PROJ/TASK 562156211

AFCRL 64 0309
HARVARD U CAMBRIDGE MASS
PHYSICS OF FERROMAGNETIC AND FERROELECTRIC MATERIALS WITH APPLICATIONS TO MICROWAVE AND RADIO FREQUENCY CIRCUITRY, 29 FEB 1964
BY JONES R V
INSTRUMENT AF 19<604>05487
PROJ/TASK 5635 03

AFCRL 64 0311
RADIO CORP OF AMERICA BURLINGTON MASS
<U> INVESTIGATION AND ANALYSIS OF IONOSPHERIC RADIO SIGNALS, 18 MAR 1964, SECRET
BY RUBINOVITZ J
INSTRUMENT AF 19<628>02465
PROJ/TASK 4649 01

AFCRL 64 0312
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
EQUIPMENT AND TECHNIQUES FOR LOW TEMPERATURE ELECTRON IRRADIATIONS, APR 1964
REV SCI INSTR V34 N12 PP1348-1350 DEC 1963
BY LOWE L F
JIMENEZ C
BURKE E A
PROJ/TASK 5620 02

AFCRL 64 0313
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB L G HANSCOM FIELD MASS
LUNAR THERMAL EMISSION MEASUREMENTS AND RELATED ANTENNA, APR 1964
IEEE INTERN CONV RECORD PT1 1963
BY CASTELLI J P
PROJ/TASK 5629 02

AFCRL 64 0314
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
CONTINUOUS ZONE- REFINING APPARATUS, APR 1964
REV SCI INSTR V35 N1 PP25-28 JAN 1964
BY KENNEDY J K
PROJ/TASK 5620 04

AFCRL 64 0315
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
RADIATION FORCES IN INHOMOGENEOUS MEDIA, APR 1964
PHYS REV V133 N3A PPA686-A691 FEB 1964
BY POST E J
PROJ/TASK 5635 01

AFCRL 64 0316
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
PROGRESSIVE FAILURE PREDICTION, APR 1964
IEEE INTERN CONV RECORD PT6 1963
BY BISHOP W
PROJ/TASK 4608 05

AFCRL 64 0317
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
THE ANTIPODAL IMAGE OF AN ELECTROMAGNETIC SOURCE, APR 1964
PROC IEEE V52 N2 FEB 1964
BY TOMAN K
PROJ/TASK 4603 02

AFCRL 64 0318
MICHIGAN STATE U EAST LANSING
A SIMPLIFIED MODEL FOR THE FORMATION, MOVEMENT AND DISSIPATION OF FAIR WEATHER CUMULUS CLOUDS, 29 MAY 1964
BY FOX M
INSTRUMENT AF 19<628>00355
PROJ/TASK 8624 02

AFCRL 64 0319
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
ON THE ACCURACY OF THE GEOID HEIGHTS AND DEFLECTIONS OF THE VERTICAL, MAR 1964
BY GROTEN E
MORITZ H
INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0320
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
DEFLECTIONS OF THE VERTICAL CAUSED BY TOPOGRAPHIC MASSES IN THE NEAREST NEIGHBORHOOD OF THE POINT, MAR 1964
BY VAN HEES G L S
INSTRUMENT AF 19<628>02771
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PROJ/TASK 4645 04

AFCRL 64 0323
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L G HANSCOM FIELD MASS
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INSTRUMENT AF 19<628>03241
PROJ/TASK 8662

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BY FJORTOFT R
NORDO J
INSTRUMENT AF 61<052>00174
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AFCRL 64 0335
OSLO U NORWAY
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INSTRUMENT AF 61<052>00186
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AFCRL 64 0336
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FREEMAN D C
INSTRUMENT AF 19<628>00467
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AFCRL 64 0340
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INSTRUMENT AF 19<628>00287
PROJ/TASK 8627 03

AFCRL 64 0346
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BY CONLEY T D
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INSTRUMENT AF 19<604>08057
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J CHEM PHYS V40 N2 PP356-365 JAN 1964
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TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
RESEARCH ON ELECTROMAGNETIC NOISE AT EXTREMELY LOW
FREQUENCIES, AUG 1960 TO MAY 1963
BY ROBINSON N
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INSTRUMENT AF 61<052>00555
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BY BARZILAI G
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AFCRL 64 0356
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AFCRL 64 0360
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MAY 1964
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INSTRUMENT AF 19<628>03840
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INSTRUMENT AF 19<628>02768
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AFCRL 64 0368
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AFCRL 64 0369
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BY GINSBURG S
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INSTRUMENT AF 19<628>00485
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CHICAGO U ILL
RESEARCH OF HYDRODYNAMIC ANALOGUES OF LARGE- SCALE
METEOROLOGICAL PHENOMENA, APR 1964
BY FULTZ D
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INSTRUMENT AF 19<604>08361
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CHARGE TRANSFER STUDIES WITH A TIME- OF- FLIGHT MASS
SPECTROMETER, II. KINETIC ANALYSIS, INCLUDING
ATTENUATION OF BOTH NEUTRALS AND IONS SCATTERING, MAY
1964
BY HUNT W W JR
PROJ/TASK 8605 07

AFCRL 64 0384
NEW YORK U NEW YORK
BASIC MATHEMATICAL INVESTIGATIONS IN ELECTROMAGNETIC
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INSTRUMENT AF 19<604>05238
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BY LAFLAMME P M
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DDC NUMBER 601802
INSTRUMENT AF 19<628>02839
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31 MAR 1964
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INSTRUMENT AF 19<628>01637
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AFCRL 64 0391
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ANALYSIS OF THE SPECTRUM OF THE NITRIC OXIDE MOLECULE,
MAR 1964
BY MIESCHER E
INSTRUMENT AF-EOAR -0109-63
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AFCRL 64 0393
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BY MENZEL D H
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BY GUPTA I M
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GEOPHYSICAL ASPECTS OF COSMIC RAYS, 27 APR 1964
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INSTRUMENT AF 61<052>00614
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BY VARNEY R N
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BY KELLEY J G
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X-RAY STUDIES OF SAPPHIRE CRYSTAL PERFECTION, 21 MAY 1964
BY BERNSTEIN H
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AFCRL 64 0424
MICHIGAN U ANN ARBOR MICH
THEORETICAL STUDY OF ATMOSPHERIC PRESSURE PULSE PROPAGATION, MAR 1964
BY VANHULSTEYN D B
INSTRUMENT AF 19<628>00304
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BY KARP S N
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MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
VALIDATION AND CROSS/VALIDATION OF A SCALE OF SELF/REPORTED PERSONAL EXPERIENCES WHICH PREDICTS HYPNOTIZABILITY
J PSYCHOL V53 PP55 / 75 1962
BY SHOR R E — DDC NUMBER 438547
ORNE M T — INSTRUMENT AF/ 496638600728
OCONNELL D N — PROJ/TASK 9779 01

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BIOT M A NEW YORK N Y
EXACT THEORY OF BUCKLING OF A THICK SLAB
APPL SCI RES SECT A V12 N2 PP183/198 1963
BY BIOT M A — DDC NUMBER 441479
INSTRUMENT AF/ 496638600837
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MICHIGAN U ANN ARBOR MICH
SINTERING OF ZINC OXIDE
J AM CERAM SOC V46 N9 PP449 / 452 SEP 63
BY NORRIS L F — DDC NUMBER 438298
PARRAVANO G — INSTRUMENT AF/ 496638600493
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AFOSR 1983
SERENDIPITY ASSOC LOS ANGELES CALIF
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HUMAN RELATIONS V17 N1 PP23 / 31 1964
BY SMITH E F — DDC NUMBER 438550
GOODCHILDS J D — INSTRUMENT AF/ 496638601000
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MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
AN ANALYSIS OF THE EFFECTS OF MOTION UPON AUDITORY FUNCTION DURING PROLONGED ATYPICAL STIMULATION
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EASTERN PSYCH ASSOC MTG ATLANTIC CITY APR 1962
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BY LOW W — INSTRUMENT AF/ 616052600059
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PP223/240 POLYTECHNIC PRESS 1963
BY GORN S — DDC NUMBER 289475
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IONIC REACTIONS IN BICYCLIC SYSTEMS. IV. STEREOCHEMISTRY OF THE ACETOLYSIS OF &PLUS&/ENDO/BICYCLO62.2.2OCT/5/3N/2/YL P/TOLUENESULFONATE
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CAN J MATH V16 PP207/230 1964
BY BRESSLER D W — DDC NUMBER 441468
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BY SABIN C M — DDC NUMBER 430120
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BY WOOSTER H — DDC NUMBER 600110

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BY SMITH E E — DDC NUMBER 432823
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THE LANGMUIR PROBE IN A COLLISIONLESS PLASMA
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SOUTHERN CALIFORNIA U LOS ANGELES CALIF
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BY CHUAN R L — DDC NUMBER 436451
INSTRUMENT AF/AFOSR /0055/63
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BY TRELLA M — DDC NUMBER 438832
LIBBY P A — INSTRUMENT AF/AFOSR /0409/62
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BY VAGLIO/LAURIN R — DDC NUMBER 600540
INSTRUMENT AF/AFOSR /0409/62
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INSTRUMENT AF/ 496638601178
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AFOSR 64/0590
TORONTO U ONTARIO CANADA
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AFOSR 64/0594
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AFOSR 64/0595
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AFOSR 64/0598
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AFOSR 64/0599
ARMY RESEARCH OFFICE DURHAM N C
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INSTRUMENT DA /36/039/AMC/02208
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AFOSR 64/0600
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ARMY RESEARCH OFFICE DURHAM N C
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DDC NUMBER 401892
INSTRUMENT NONR /18666326
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AFOSR 64/0605
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INSTRUMENT NONR /18666166
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ARMY RESEARCH OFFICE DURHAM N C
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DDC NUMBER 418171
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ARMY RESEARCH OFFICE DURHAM N C
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ARMY RESEARCH OFFICE DURHAM N C
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AFOSR 64/0613
ARMY RESEARCH OFFICE DURHAM N C
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BY FIKIORIS J G
DDC NUMBER 297044
INSTRUMENT NONR /18666326
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AFOSR 64/0614
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BY SESHADRI S R
MORRIS I L
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AFOSR 64/0615
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AFOSR 64/0616
ARMY RESEARCH OFFICE DURHAM N C
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DDC NUMBER 405054
INSTRUMENT NONR /18666326
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AFOSR 64/0617
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INSTRUMENT AF/AFOSR /0139/63
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ARMY RESEARCH OFFICE DURHAM N C
PULSE PROPAGATION INTO WATER
BY SCHMITT H J
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DDC NUMBER 405053
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AFOSR 64/0620
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BY TUFTS D W
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DDC NUMBER 417465
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AFOSR 64/0623
STANFORD U CALIF
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DDC NUMBER 404315
INSTRUMENT NONR /2256246
PROJ/TASK 4751

AFOSR 64/0624
STANFORD U CALIF
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STANFORD U CALIF
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INSTRUMENT NONR /2256246
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AFOSR 64/0627
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BY BLOTEKJAER K
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PROJ/TASK 4751

AFOSR 64/0628
STANFORD U CALIF
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BY MOOS H W
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DDC NUMBER 414853
INSTRUMENT NONR /18416106
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DDC NUMBER 417719
INSTRUMENT NONR /2256486
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AFOSR 64/0631
INST FOR ADVANCED STUDY PRINCETON N J
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BY CHARAP J M
SQUIRES E J
DDC NUMBER 435938
INSTRUMENT AF/AFOSR /0042/63
PROJ/TASK 9751 01

AFOSR 64/0632
CHICAGO U ILL
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DDC NUMBER 435937
INSTRUMENT AF/AFOSR /0023/62
PROJ/TASK 9751 04

AFOSR 64/0633
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DDC NUMBER 435945
INSTRUMENT AF/AFOSR /0019/61
PROJ/TASK 9751 01

AFOSR 64/0634
INST FOR ADVANCED STUDY PRINCETON N J
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BY LEE R W
SAWYER R F
DDC NUMBER 435944
INSTRUMENT AF/AFOSR /0019/61
PROJ/TASK 9751 01

AFOSR 64/0635
INST FOR ADVANCED STUDY PRINCETON N J
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PHYS REV V127 N1 PP283 / 296 1 JUL 62
BY COOK L F JR
LEE R W
DDC NUMBER 435942
INSTRUMENT AF/AFOSR /0019/61
PROJ/TASK 9751 01

AFOSR 64/0636
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PHYS REV V133 N1B PPB/19 / B/24 13 JAN 64
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DDC NUMBER 435946
INSTRUMENT AF/AFOSR /0056/62
PROJ/TASK 9751 01

AFOSR 64/0637
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AFOSR 64/0638
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AFOSR 64/0639
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AFOSR 64/0641
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NUCL PHYS V45 N2 PP296 / 312 63
BY DELVES L M
LYNESS J N
DDC NUMBER 435928
INSTRUMENT AF/AFOSR /0400/62
PROJ/TASK 9751 01

AFOSR 64/0643
NEW SOUTH WALES U AUSTRALIA
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PHYS REV LETTERS V10 N8 PP332 / 334 15 APR 63
BY BLATT J M
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DDC NUMBER 435932
INSTRUMENT AF/AFOSR /0400/62
PROJ/TASK 9751 01

AFOSR 64/0644
NEW SOUTH WALES U AUSTRALIA
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PHYS LETTERS V5 N1 PP6 / 9 1 JUN 63
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DDC NUMBER 435935
INSTRUMENT AF/AFOSR /0400/62
PROJ/TASK 9751 01

AFOSR 64/0645
NEW SOUTH WALES U AUSTRALIA
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COMPUTER J V6 N3 PP264 / 270 OCT 63
BY LYNESS J N
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DDC NUMBER 435929
INSTRUMENT AF/AFOSR /0400/62
PROJ/TASK 9751 01

AFOSR 64/0646
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ANN PHYS N Y V23 N1 PP133 / 159 JUL 63
BY DELVES L M
DERRICK G H
DDC NUMBER 435931
INSTRUMENT AF/AFOSR /0400/62
PROJ/TASK 9751 01

AFOSR 64/0648
FLORIDA STATE U TALLAHASSEE
RESONANT TRANSFER AND THE MEASUREMENT OF SHORT TIME
INTERVALS IN NUCLEAR REACTIONS
&PROC CONF DIRECT INTERACTION MECH& DIRECT INTERACTIONS -
NUCLEAR REACTION MECHANISMS PADUA ITALY PP376 / 381 1963
BY TEMMER G M
DDC NUMBER 435930
INSTRUMENT AF/AFOSR /0440/63
PROJ/TASK 9751 02

AFOSR 64/0649
PRINCETON U N J
POLARIZATION EFFECTS IN HIGH/ENERGY WEAK INTERACTIONS
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DDC NUMBER 435927
INSTRUMENT AF/AFOSR /0390/62
PROJ/TASK 9751 01

AFOSR 64/0650
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PHYS REV V133 N2B PPB403 / B408 27 JAN 64
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CHUN K W
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DDC NUMBER 435939
INSTRUMENT AF/AFOSR /0394/63
PROJ/TASK 9751 02

AFOSR 64/0651
CALIFORNIA U LOS ANGELES
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SCIENCE V141 N3582 PP713 / 714 23 AUG 63
BY DARNELL A J
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INSTRUMENT AF/AFOSR /0245/63
PROJ/TASK 9710 03

AFOSR 64/0652
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
APPLICATION OF TERNARY ALGEBRA TO THE STUDY OF STATIC
HAZARDS
J ASSOC COMPUT MACH V11 N1 PP84 / 97 JAN 64
BY YOELI M
RINON S
DDC NUMBER 436516
INSTRUMENT AF/EOAR /0065/63
PROJ/TASK 9749 01

AFOSR 64/0653
CALIFORNIA U BERKELEY
OBSERVATIONS RELATING TO THE DISTANCE SCALE FOR MOTIONS OF
ELECTROJET/ELECTRON PRECIPITATION REGIONS IN THE AURORAL
ZONE
J GEOPHYS RES V68 N14 PP4167 / 4174 15 JUL 63
MARSH D P
DDC NUMBER 434848
INSTRUMENT AF/ 496638600873
PROJ/TASK 9751 04

AFOSR 64/0655
FLORIDA STATE U TALLAHASSEE
STUDY OF THE F19 &PROTON,ALPHA6 O16 REACTION WITH 3 / TO 12
MEV PROTONS
PHYS REV V131 N4 PP1690 / 1696 15 AUG 63
BY WARSH K L
TEMMER G M
BLIEDEN H R
DDC NUMBER 435922
INSTRUMENT AF/AFOSR /0440/63
PROJ/TASK 9751 02

AFOSR 64/0657
UPPSALA U SWEDEN
MAGNETIC DIPOLE INTERACTION STUDIED BY THE DIFFERENTIAL
ANGULAR CORRELATION METHOD
NUCL PHYS V40 N4 PP656 / 669 1963
BY MATTHAIS E
BOSTROM L
MACIEL A
SALOMON M
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DDC NUMBER 435923
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PROJ/TASK 9751 02

AFOSR 64/0658
CAMBRIDGE U ENGLAND
DISPERSION THEORY AND THE NUCLEAR MANY/BODY PROBLEM
NUCL PHYS V49 PP33 / 43 1963
BY EDEN R J
GOLDSTONE J
DDC NUMBER 435924
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0659
CAMBRIDGE U ENGLAND
SEPARABLE NONLOCAL POTENTIALS AND REGGE POLES
NUOVO CIMENTO SERX V29 PP1043 / 1050 1 SEP 63
BY MCMILLAN M
DDC NUMBER 435936
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSR 64/0660
CAMBRIDGE U ENGLAND
LEADING LANDAU CURVES OF SOME FEYNMAN DIAGRAMS
NUOVO CIMENTO SERX V30 PP259 / 265 1 OCT 63
BY ISLAM J N
DDC NUMBER 435925
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PROJ/TASK 9751 01

AFOSR 64/0661
AF OAR AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
DIRECTORATE OF INFORMATION SCIENCES WASHINGTON D C
GOVERNMENT SERVICES FOR TECHNICAL INFORMATION
J CHEM DOC V3 PP216 / 217 1963
BY WOOSTER H
DDC NUMBER 432579

AFOSR 64/0666
AEROJET-GENERAL CORP AZUSA CALIF
KINETICS OF THREE/BODY ATOM RECOMBINATION
J CHEM PHYS V39 N7 PP1772 / 1778 1 OCT 63
BY KRETSCHMER C B
PETERSEN H L
DDC NUMBER 435933
INSTRUMENT AF/ 496638600540
PROJ/TASK 9752

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USE OF LANGMUIR PROBES TO STUDY ION/ELECTRON RECOMBINATION
J APPL PHYS V34 N11 PP3209 / 3217 NOV 1963
BY KRETSCHMER C B — DDC NUMBER 435912
PETERSEN H L — INSTRUMENT AF/ 496638600540
PROJ/TASK 9752

AFOSR 64/0668
SOUTHWEST RESEARCH INST SAN ANTONIO TEX
NONDESTRUCTIVE EVALUATION OF METAL FATIGUE, FINAL REPORT,
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BY KUSENBERGER F N — DDC NUMBER 600277
BARTON J R — INSTRUMENT AF/ 496638601147
DONALDSON W L — PROJ/TASK 9782 01

AFOSR 64/0670
BRITISH COLUMBIA U VANCOUVER CANADA
ON COVERING SYSTEMS
CAN J MATH V16 PP18 / 27 1964
BY MALLORY D J — DDC NUMBER 436279
SION M — INSTRUMENT AF/AFOSR /0261/62
PROJ/TASK 9749 02

AFOSR 64/0671
MANITOBA U WINNIPEG CANADA
REMARKS ON SOLUTIONS OF THE OPTIMAL ASSIGNMENT PROBLEM
J SOC IND APPL MATH V11 N4 PP1103 / 1109 DEC 1963
BY DULMAGE A L — DDC NUMBER 436365
MENDELSOHN N S — INSTRUMENT AF/AFOSR /0235/62
PROJ/TASK 9749 02

AFOSR 64/0672
MANITOBA U WINNIPEG CANADA
THE CHARACTERISTIC EQUATION OF AN IMPRIMITIVE MATRIX
J SOC IND APPL MATH V11 N4 PP1034 / 1045 DEC 1963
BY DULMAGE A L — DDC NUMBER 436364
MENDELSOHN N S — INSTRUMENT AF/AFOSR /0235/62
PROJ/TASK 9749 02

AFOSR 64/0674
ROCHESTER U N Y
ORTHOGONAL DEVELOPMENTS OF FUNCTIONALS AND RELATED THEOREMS
IN THE WIENER SPACE OF FUNCTIONS OF TWO VARIABLES
PACIFIC J MATH V13 N4 PP1427 / 1436 1963
BY YEH J — DDC NUMBER 436286
INSTRUMENT AF/ 496638601046
PROJ/TASK 9749 02

AFOSR 64/0675
NEBRASKA U LINCOLN
THE LIOUVILLE THEOREM FOR A QUASI/LINEAR ELLIPTIC PARTIAL
DIFFERENTIAL EQUATION
TRANS AM MATH SOC V104 N3 PP392 / 397 SEP 1962
BY BOHN E — DDC NUMBER 436107
JACKSON L K — INSTRUMENT AF/ 496638600506
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EMBER G — INSTRUMENT AF/AFOSR /0356/62
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J AM CHEM SOC V86 PP38 / 46 5 JAN 64
BY MORICONI E J — DDC NUMBER 436500
SPANO F A — INSTRUMENT AF/AFOSR /0018/62
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KETENE AND THE DEUTERATED KETENES
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BY MOORE C B — DDC NUMBER 436496
PIMENTEL G C — INSTRUMENT AF/ 496638600944
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BY ALMENNINGEN A — DDC NUMBER 438237
HEDBERG K — INSTRUMENT AF/AFOSR /0281/63
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BY GOLDFARB T D — DDC NUMBER 436503
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BY SMITH G G — DDC NUMBER 436498
BROWN D F — INSTRUMENT AF/AFOSR /0268/62
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HARVARD U CAMBRIDGE MASS
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TIME/VARYING SYSTEMS
BY NARENDRA K S — DDC NUMBER 433982
GOLDWYN R M — INSTRUMENT NONR /18666166
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HARVARD U CAMBRIDGE MASS
AN ADAPTIVE PROCEDURE FOR CONTROLLING UNDEFINED LINEAR
PROCESSES
BY NARENDRA K S — DDC NUMBER 434895
STREETER D N — INSTRUMENT NONR /18666166
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HARVARD U CAMBRIDGE MASS
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PROBABILITY DISTRIBUTION FOR NONLINEAR DYNAMIC SYSTEMS WITH
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BY KASHYAP R L — DDC NUMBER 434872
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HARVARD U CAMBRIDGE MASS
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HARVARD U CAMBRIDGE MASS
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DELAWARE U NEWARK
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BY BOLGIANO L P JR — DDC NUMBER 436501
JELSMA L F — INSTRUMENT AF/AFOSR /0002/63
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STANFORD U CALIF
REPRODUCING DISTRIBUTIONS FOR MACHINE LEARNING
BY SPRAGINS J D JR — DDC NUMBER 431994
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MASSACHUSETTS INST OF TECH CAMBRIDGE
NEUROLOGICAL MODELS AND INTEGRATIVE PROCESSES
SELF ORGANIZING SYSTEMS CONFERENCE SPARTAN BOOKS WASH DC 62
BY MCCULLOCH W S
ARBIB M A — INSTRUMENT DA /36/039/SC/78108
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BY BLOTEKJAER K
QUATE C F — INSTRUMENT NONR /2256486
PROJ/TASK 4751

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ARMY RESEARCH OFFICE DURHAM N C
OPTIMUM NOISE PERFORMANCE OF MULTITERMINAL AMPLIFIERS
BY RUMMLER W D
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BY PICKARD W F
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ARMY RESEARCH OFFICE DURHAM N C
A STUDY OF ARRAYS OF DIPOLES IN A SEMI/INFINITE DISSIPATIVE MEDIUM
BY SIVAPRASED K
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INSTRUMENT NONR /18666326
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ARMY RESEARCH OFFICE DURHAM N C
NONLINEAR OSCILLATIONS IN A SECOND ORDER SYSTEM
BY PONZO P J
DDC NUMBER 433472
INSTRUMENT DA /36/039/AMC/02208
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ARMY RESEARCH OFFICE DURHAM N C
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BY CHEN W K
DDC NUMBER 433495
INSTRUMENT DA /36/039/AMC/02208
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ARMY RESEARCH OFFICE DURHAM N C
LINEAR CONTROL LAWS FOR SINGULAR LINEAR SYSTEMS
BY SORRAL M
DDC NUMBER 433814
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ARMY RESEARCH OFFICE DURHAM N C
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DDC NUMBER 433721
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ARMY RESEARCH OFFICE DURHAM N C
A MODULAR REALIZATION OF SYMMETRIC SEQUENTIAL MACHINES
BY RAIN D W
DDC NUMBER 433821
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ARMY RESEARCH OFFICE DURHAM N C
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ARMY RESEARCH OFFICE DURHAM N C
A PLATO PROGRAM FOR INSTRUCTION AND DATA COLLECTION IN MATHEMATICAL PROBLEM SOLVING
BY EASLEY J A JR
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ARMY RESEARCH OFFICE DURHAM N C
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BY SATTERTHWAITE C B
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BY MINC H
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BY LORENTZ G G
ZELLER K
DDC NUMBER 436487
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BY KAPLAN C
DDC NUMBER 600964
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TURIN G L
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BY FANNELOP T
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DDC NUMBER 436524
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BY GREENSPAN H P
HOWARD L N
DDC NUMBER 437326
INSTRUMENT AF/ 496638600708
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CRAIG A
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DRESSEL F G
PURCELL W H JR
DDC NUMBER 436515
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DDC NUMBER 436525
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BY KOK B
HOCH G
DDC NUMBER 436496
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BY HERNANDEZ/PEON R
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DDC NUMBER 436506
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BY LUBARD S
DDC NUMBER 600963
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BY WERTZ J E
SAVILLE G
AUZINS P
ORTON J W
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BY ORTON J W
WERTZ J E
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DDC NUMBER 436474
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BY PARTLOW W D
MOULTON W G
DDC NUMBER 436472
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ON THE SUPERCONDUCTIVITY OF TI/ AND ZR/RH ALLOYS &GERMAN&
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BY RAUB C J
ANDERSEN C A
DDC NUMBER 438239
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BY WEGER M
EHRER E
DDC NUMBER 436510
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NACHTRIEB N H
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BY SASTRY P V
SRINIVASAN T M
DDC NUMBER 436492
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BY CRANDALL R S
DDC NUMBER 436518
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BY BALIAN R
WERTHAMER N R
DDC NUMBER 436507
INSTRUMENT AF/ 496638601038
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BY COHEN S G
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BY LOW W
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BY BIRCHENALL C E
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BY BROOM T
SUMMERTON J M
DDC NUMBER 436489
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BY SEARLE C W
MORRISH A H
PROSEN R J
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INSTRUMENT AF/ 496638600803
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BY VAN ITTERBEEK A
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J PHYS PARIS V24 PP451 / 457 JUL 63
BY BALKANSKI M
DASILVA E
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DDC NUMBER 438242
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BY SORENSON K — DDC NUMBER 434820
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BY MAGLEBY K B — DDC NUMBER 428081
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BY MCLAUGHLIN R J — DDC NUMBER 433698
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YEN W M — INSTRUMENT AF/AFOSR /0343/62
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SUNDSTROM T
LINDSTROM J O
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BY BECKEL C L, NAKHLEH J, CHOWDARY Y R — DDC NUMBER 441498; INSTRUMENT AF/AFOSR /0160/62; PROJ/TASK 9767 01

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AFOSR 64/0908
BALTZ A
AFCRL 64 0042
AFCRL 64 0043
BANKS E
AFOSR 2160
AFOSR 64/0776
BARAD M L
AFCRL 64 0156
AFCRL 64 0160
AFCRL 64 0163
BARDER R C
AFOSR 64/1018
BARRON W
AFCRL 64 0304
BARSHAY S
AFOSR 64/0876
BARTLEY W J
AFOSR 64/0924
BARTON J R
AFOSR 64/0660
BARTORELLI C
AFOSR 64/1133
BARZILAI M
AFCRL 64 0394
BASTIANSEN O
AFOSR 64/0932
BASU S
ARL 63 0240
BATCHER K E
AFOSR 64/1131
BATES D R
AFCRL 64 0369
BAULKNIGHT C W
AFCRL 64 0142
BAZER J
AFCRL 64 0244
BEADLE W E
AFOSR 64/0621
BEAUDIEN D J
AFCRL 63 0595
BEDERNES J W
AFOSR 64/0680
BECKEL C L
AFOSR 64/1045
BEEBE R G
AFCRL 64 0111
BEEBE W M
ARL 64 0069
BEGEMANN F
AFCRL 64 0233
BEHLE A
AFCRL 64 0278
BELL B
AFCRL 64 0275
BELL J
AFOSR 64/1041
BELL J F
AFOSR 64/1031
BELL R O
AFOSR 64/0963
AFOSR 64/0964
BELZER J
AFOSRJ1530
BEN-REUVEN A
AFCRL 64 0176
BERCAW R W
AFOSR 64/1020
BERGEN A R
AFOSR 64/0726
BERKOVITS A
AFOSR 64/0591
BERL S
AFOSR 64/0955
BERNDT J
AFOSR 64/1136
BERNHARD C G
AFOSR 64/0962
BERNSTEIN M
AFCRL 64 0423
BHIMANI B V
AFCRL 64 0085
BHOJWANI A
AFOSR 64/1119
BIOT M A
AFOSR 1770
BIRCHALL T
AFOSR 64/0935
BIRCHENALL C E
AFOSR 64/0758
AFOSR 64/0759
BISHOP R L
AFOSR 64/1018
BISHOP W
AFCRL 64 0316
BITZER D
AFOSR 64/0610
BLACKBURN C P
AFCRL 64 0127
BLACKSTOCK D T
AFOSR 64/0919
AFOSR 64/1030
BLATT J M
AFOSR 64/0643
AFOSR 64/0644
BLETZINGER P
ARL 64 0100
BLIEDEN H R
AFOSR 64/0695
BLIVEN C M
AFCRL 64 0113
BLOCK I E
AFCRL 63 0502
BLOEMBERGEN N
AFOSR 64/0606
AFOSR 64/0692
BLOOD D
AFCRL 64 0346
BLOOM M M
AFOSR 64/0910
BLOTEKJAER K
AFOSR 64/0627
AFOSR 64/0697
BODENHEIMER P H
AFOSR 64/1042
BOHN E
AFOSR 64/0675
BOLGIANO L P JR
AFOSR 64/0694
BOLOTIN V V
AFOSR 64/1022
BOND J W JR
AFCRL 64 0044
BORAM R
AFCRL 64 0036
BORGATTA E F
AFOSR 64/0833
AFOSR 64/0835
BORTNER M H
AFCRL 64 0142
BOSCH H E
AFOSR 64/0785
AFOSR 64/0786
BOSTROM L
AFOSR 64/0657
BOTTAI G
AFOSR 64/1059
AFOSR 64/1060
BOULWARE D G
AFOSR 64/0794
AFOSR 64/0795
BOURNE I A
AFCRL 64 0056
BRAUN R
AFCRL 64 0240
BRAUN W G
ARL 64 0066
BRAY K N C
ARL 64 0071
BREIT G
AFOSR 64/0650
BRESSLER D W
AFOSR 4810
BRIER G W
AFCRL 64 0190
BRITTIN W E
ARL 64 0085
BROADBENT M S
AFOSR 64/0921
AFOSR 64/0922
AFOSR 64/0923
AFOSR 64/0924
AFOSR 64/0925
BROOM T
AFOSR 64/0761
BROWN A F
AFOSR 64/0948
BROWN D C
AFCRL 64 0040
BROWN D F
AFOSR 64/0688
BROWN L S
AFOSR 64/0865
BROWNING K A
AFCRL 64 0180
AFCRL 64 0181
BRUNER E C JR
AFCRL 64 0340
BUCK R F
AFCRL 64 0098
BUCKENS F
AFOSR 3117
BULBRING E
AFOSR 64/1071
AFOSR 64/1072
AFOSR 64/1073
BULLIS R M
AFOSR 64/0898
BUREAU F J
AFOSR 4866
BURKE E A
AFCRL 64 0312
BURT D A
AFCRL 64 0276
BURTON R W
AFOSR 64/0604
AFOSR 64/0875
BUSHAW D
AFOSR 64/0717
BUSLIK W S
AFOSR 64/0902
CAMILL P
AFOSR 64/0820
CAMM J M
AFCRL 64 0067
CAIN W M
ARL 64 0101
CALHAMER A B
AFCRL 64 0192
CALI J P
AFCRL 64 0016
CALOGERO F
AFOSR 64/0798
CALVERT J G
AFCRL 64 0120
CAMPBELL J
AFCRL 64 0036
CAMPBELL J B
AFCRL 64 0012
CANDIA O
AFOSR 64/0952
CANTOR A
AFCRL 64 0280
CAPONE B R
AFCRL 64 0049
CARAVALLANO R L
AFCRL 63 0907
CARLSSON A
AFOSR 64/0737
CARNEVALE E M
AFCRL 64 0154
CARPENTER B M
AFOSR 64/1082
CARRERAS M
AFOSR 64/1087
CASTELLI J P
AFCRL 64 0313
CASTLE J G JR
AFCRL 64 0307
AFCRL 64 0308
CAVELLE R E
AFCRL 63 0933
CHAKRAVARTI I M
ARL 64 0102
CHAMBERS F
AFCRL 64 0281
CHANG A
AFOSR 64/1126
CHAPMAN C W
AFCRL 64 0228
CHAPPELL W R
ARL 64 0085
CHARAP J M
AFOSR 64/0631
AFOSR 64/0798
CHAVEZ/IBARRA G
AFOSR 64/0741
CHEN W K
AFOSR 64/0704
CHEN Y W
AFOSR 4908
CHENG S C
AFOSR 64/0955
AFOSR 64/0956
CHERNOSKY E J
AFCRL 64 0174
CHILDS C B
AFOSR 3030
CHILTON F
AFOSR 64/1015
CHOWDARY Y R
AFOSR 64/1045
CHUAN R L
AFOSR 64/0565
CHUN K W
AFOSR 64/0650
CLAPP S S
AFCRL 64 0098
CLARK P O
AFCRL 64 0161
CLARKE R W
ORA 64 0001
CLAUER A H
ARL 64 0088
CLEMENTS G F
AFOSR 64/0714
COBURN M
AFOSR 64/0971
COHEN S G
AFOSR 64/0755
COLE A E
AFCRL 63 0936
COLE H
AFCRL 64 0281
COLEMAN P D
AFOSR 64/0815
AFOSR 64/0816
AFOSR 64/0817
COLGATE S A
AFOSR 64/1125
COLLIN R E
AFCRL 64 0279
COLLINS J M
AFCRL 64 0174
COLLINS S A JR
AFCRL 63 0933
COMLY J B
AFCRL 64 0101
CONDRON T P
AFCRL 64 0325
CONLEY T D
AFCRL 64 0346
CONOVER J H
AFCRL 64 0264
CONRAD G
AFCRL 64 0036
CONTICELLI M
AFOSR 64/1061
COOK L F JR
AFOSR 64/0635
AFOSR 64/0780
COONEY J A
AFOSR 64/0917
COOPER B R
AFCRL 64 0199
COOPER H W
AFCRL 64 0188

CORBUELL J D
AFCRL 63 0791
COWAN J D
AFOSR 64/0696
CRAIG A
AFOSR 64/0729
CRANDALL R S
AFOSR 64/0752
CRAWFORD J A
ARL 64 0089
CRESCI R J
ARL 64 0064
ARL 64 0110
CROSS R A
AFOSR 64/0986
CROSS J L
AFCRL 63 0922
CROSS R
AFCRL 64 0285
CRUZ J B JR
AFOSR 64/0609
DALE F B
AFCRL 64 0278
DAMON G
AFOSR 64/0901
DARNELL A J
AFOSR 64/0651
DASILVA F
AFOSR 64/0768
DAVIS P A
AFCRL 64 0385
DAVIS R G
AFCRL 64 0040
DEAN A P
AFCRL 63 0921
DEBAIN A
AFCRL 64 0089
DEELFRE J
AFCRL 64 0058
DELBOUILLE L
AFCRL 63 0888
DELVES L M
AFOSR 64/0641
AFOSR 64/0646
DEMAINE P A D
AFOSR 64/1109
DERISON D R
AFOSR 64/0884
DERMAN C J
AFCRL 63 0968
DERRICK G H
AFOSR 64/0646
DESER S
AFOSR 64/0796
AFOSR 64/0795
AFOSR 64/0866
AFOSR 64/0867
DESMEDT J E
AFOSR 64/0736
DEVAUCOULEURS G
AFCRL 64 0396
DEVRIES E L
AFCRL 64 0276
DEWIT M
AFOSR 64/0877
DODD R T JR
AFCRL 63 0903
DOLAN R P JR
AFCRL 63 0563
DONALDSON D D
AFOSR 64/0972
DONALDSON E E
AFOSR 64/0884
DONALDSON R J JR
AFCRL 64 0180
AFCRL 64 0181
DONALDSON W L
AFOSR 64/0668
DONALSON D O
AFOSR 5116
DOODY M P
AFCRL 63 0938
DORATO P
AFOSR 64/1119
DORR L S
AFCRL 64 0291
DOTSON J
AFOSR 64/0896
DOWELL F
AFOSR 5327
DOWLER V M
AFCRL 64 0136
AFCRL 64 0390
DOYLE W D
AFCRL 64 0041
DRAKE C J JR
AFCRL 63 0368
DRESSEL F G
AFOSR 64/0730
DRIFTMYER R T
ARL 64 0081
DUBOIS J T
ARL 64 0095
DUCKWORTH H E
AFOSR 64/1018
DUCUING J
AFOSR 64/0692
DUFORT E C
AFCRL 64 0388

DULMAGE A L
AFOSR 64/0671
AFOSR 64/0672
DUMM D A
AFOSR 64/0624
DUMM G R
AFCRL 64 0184
DURHAM S C
AFOSR 64/0889
AFOSR 64/0890
DUTSCH M U
AFCRL 64 0303
DYRING E
AFCRL 64 0394
EASLEY J A JR
AFOSR 64/0709
EASTMAN R M
AFOSR 64/0863
AFOSR 64/0934
ECKERT E R G
AFOSR 64/1023
ECKSTEIN A
AFOSR 64/0591
EDEN R C
AFOSR 64/0815
EDEN R J
AFOSR 64/0658
AFOSR 64/1019
EDSE R
ARL 64 0107
EDWARDS H D
AFCRL 64 0187
EDWARDS L C
AFCRL 64 0116
EDWARDS S
AFOSR 64/0788
EGELAND A
AFCRL 64 0245
AFCRL 64 0304
EHRLICH G
AFOSR 64/0775
AFOSR 64/0777
EISENSTADT B M
AFCRL 64 0192
EL BERDUDI M Y
AFOSR 64/0990
ELESTRON L
AFCRL 64 0396
ELLIOTT R J
AFCRL 64 0204
ELLIOTT W P
AFCRL 64 0163
ELSEY J
AFOSR 64/0599
EMBER G
AFOSR 64/0681
AFOSR 64/0683
ESTLE T L
AFOSR 64/0877
ETEIN B
AFOSR 64/0722
EULER U S
AFOSR 64/0841
EULER U S VON
AFOSR 64/1066
AFOSR 64/1069
EVANS R J
AFCRL 64 0136
EVERHART E
AFCRL 64 0148
EWING V
AFOSR 64/0932
FAHLMAN A
AFOSR 64/1008
FAIRLIE D B
AFOSR 64/0783
FANNELOP T
AFOSR 64/0727
FARRIN B M
AFCRL 64 0228
FANT C G M
AFCRL 64 0263
FARBER J
AFCRL 64 0280
FAROUKI O T
AFCRL 64 0079
FASANA P J
AFCRL 64 0070
FEHER E
AFOSR 64/0769
FEJER A A
ARL 64 008
FELDMAN D W
AFCRL 64 0307
AFCRL 64 0308
FELDMAN U
ARL 64 0093
ARL 64 0094
FELSEN L B
AFCRL 63 0584
AFCRL 64 0039
AFCRL 64 0173
FENSTER P
AFOSR 64 1121
FERMENTAL D
AFCRL 64 0012
FERRARO V C
AFCRL 64 0075
FERRARO V C A
AFOSR 64/0892
FERSHT/SCHER R
AFOSR 64/0591

FESSARD A
AFOSR 64/1089
FIEIDMIS J G
AFOSR 64/0613
FINE T
AFOSR 64/0619
FINSEN W S
AFCRL 64 0396
FISCHER A G
AFCRL 64 0189
FISHBURNE E S
ARL 64 0107
FJORTOFT
AFCRL 64 0334
FLASCHEN S S
AFCRL 64 0188
FLOCK W L
AFCRL 64 0061
FLORIO J V
AFCRL 64 0113
FLUGGE/LOTZ I
AFOSR 64/0727
AFOSR 64/0729
FOLARD R F
AFOSR 64/0676
FOLMAN M
ARL 64 0093
ARL 64 0094
FORSEN H E
AFOSR 64/1127
FOUNTAIN L
AFOSR 64/1051
FOX M
AFCRL 64 0318
FRAENKEL B S
AFOSR 4690
FRANCISCO C C
AFCRL 63 0595
FRANKLIN F W
ARL 64 0082
FREEDMAN S J
AFOSR 2078
AFOSR 2079
AFOSR 64/0939
FREEMAN D C
AFCRL 64 0336
FRIED H M
AFOSR 64/0778
FRIEDMAN G
AFCRL 64 0143
FRIEDMANN H
AFCRL 64 0176
FRISCH L EDITOR
AFOSR 64/0960
FRY W J
AFOSR 64/0738
FR R N
AFCRL 64 0187
FULTZ D
AFCRL 64 0382
FUTRELL J H
ARL 64 0092
GAMBIANI G
AFOSR 64/0683
GAFFRON M
AFOSR 64/1084
GALE C C
AFOSR 64/0954
GALIL U
AFCRL 64 0392
GALMARINO A R
AFCRL 64 0012
GARSCADDEN A
ARL 64 0100
GARVIN P L
AFOSR 2866
AFOSR 64/0869
GAUER O H
AFOSR 64/0992
GAUT N E
AFCRL 64 0167
GEAKE J E
AFCRL 63 0948
GEBEL R H
ARL 64 0065
GELDER M M
AFOSR 64/0709
GEORGE D B
AFCRL 64 0127
GEORGE M S
AFOSR 5878
GERGEN J J
AFOSR 64/0730
GEROSA G
AFCRL 64 0394
GHAUSI M S
AFCRL 64 0288
AFCRL 64 0305
GIANINO P D
AFCRL 64 0017
GIBBONS J F
AFOSR 64/0623
GILARDINI I A
AFCRL 64 0219
GILLESPIE R J
AFOSR 64/0935
AFOSR 64/0936
GINSBURG N
AFCRL 64 0073
GINSBURG B
AFCRL 64 0283
AFCRL 64 0375

GINSBURG M
AFOSR 64/0958
GLASER E M
AFOSR 64/1078
GLASS I I
AFOSR 5441
GLASS J M
AFOSR 64/0940
GLIDDON J E C
AFCRL 64 0075
GOERING H L
AFOSR 4546
AFOSR 64/0931
GOFFMAN W
AFOSR/1538
GOLD L P
AFOSR 64/0820
GOLDAN P D
AFCRL 64 0067
GOLDEN W M
AFOSR 64/0709
GOLDFARB T D
AFOSR 64/0687
GOLDMAN R
ARL 64 0070
GOLDSTEIN A A
AFOSR 64/0718
AFOSR 64/0968
GOLDSTEIN L
AFCRL 64 0067
GOLDSTEIN P
AFOSR 64/1107
GOLDSTONE J
AFOSR 64/0658
GOLDWYN R M
AFOSR 64/0689
GOLEMBESKI J
AFCRL 64 0287
GOMIRATO G
AFOSR 64/1062
GONSALVES R A
AFCRL 64 0012
GOODCHILDS J D
AFOSR 1983
GOODMAN A L
AFOSR 64/0934
GORN S
AFOSR 2595
AFOSR 64/0943
GOUDAS C L
AFCRL 64 0428
GRAUERT H
AFOSR 64/0870
GRAY B G
AFCRL 64 0228
GREEN A
AFCRL 64 0036
GREEN A F S
AFOSR 64/0823
GREEN J H
AFOSR 64/1041
GREENSPAN H P
AFOSR 64/0713
AFOSR 64/0728
GREENSTEIN
AFOSR 64/0596
GRIFFY T A
AFOSR 64/0791
GRIGGS M
AFOSR 64/0823
GRIMES C C
AFOSR 64/0770
GROBNER O
AFCRL 64 0145
GROMBERG F T
AFCRL 64 0125
GRONEVIST B O
AFCRL 64 0396
AFCRL 64 0395
GROSCH C F
AFOSR 64/0920
GROSS R A
AFOSR 64/0895
GROSSMAN Z
ARL 64 0072
GROTEN E
AFCRL 64 0319
GUGGENHEIMER H
AFOSR 3242
GUINN C M
AFCRL 64 0195
GUISSARD A
AFOSR 64/0626
GULLICKSON W D
AFCRL 64 0033
GUPTA I M
AFCRL 64 0197
GUSTAFSSON G
AFCRL 64 0245
AFCRL 64 0304
HAGAN M P
AFCRL 64 0176
HAGSTROM S
AFOSR 64/1008
HAIGH A L
AFOSR 64/0965
HALE J E
AFOSR 64/0716
AFOSR 64/0732
AFOSR 64/0976

HALL F F JR
AFCRL 64 0302
HALL M A
AFCRL 64 0188
HAMMOND S B
AFCRL 64 0276
HANNER K C
AFOSR 64/1082
HANKS H H JR
AFCRL 64 0111
HANNON T J B
AFCRL 63 0582
HARMON R C
AFCRL 64 0134
AFCRL 64 0390
HARRISCHMACHERE
AFCRL 64 0076
HARRISCHMACHER E
AFCRL 64 0270
HARP B F
AFCRL 64 0040
HARRIS G W
AFOSR 64/0953
HARRIS J
AFCRL 63 0918
HARRIS R J
AFOSR 3141
HARRISON M A
AFOSR 64/0617
HARVEY D I
AFCRL 64 0271
HASINGER S
ARL 64 0075
HAWES M
ARL 64 0077
HAYES W
AFCRL 64 0284
HAZLEHURST J
AFOSR 64/0595
HEATH G L
ARL 64 0081
HEDBERG K
AFOSR 64/0686
AFOSR 64/0732
HELFER H L
AFOSR 64/0594
HELLIWELL J B
AFOSR 64/0720
HENKE B L
AFOSR 64/0593
AFOSR 64/0808
HERING W S
AFCRL 64 0030
HERNANDEZ/PEON R
AFOSR 64/0735
AFOSR 64/0741
HERRMANN G
AFOSR 64/1027
HERZOG A
AFOSR 64/1065
HERZOG G
AFCRL 63 0567
HESSELBERTH C A
AFOSR 64/0608
HICKS B L
AFOSR 64/0601
AFOSR 64/0602
AFOSR 64/0603
HILLENDAHL D R
AFCRL 64 0204
HINDE R A
AFOSR 64/0736
AFOSR 64/0963
AFOSR 64/0964
HIRSCHFELDER J O
ARL 64 0105
HIRSH E
AFCRL 64 0143
HIRSHFELD M A
AFCRL 64 0176
HJORTH S
AFOSR 64/0639
HOCH G
AFOSR 64/0739
AFOSR 64/0740
HOEY M J
AFCRL 64 0370
HOFF N J
AFOSR 64/0888
HOGLUND G
AFOSR 64/0962
HOLMES L B
AFOSR 64/1021
HOLWAY O III
AFCRL 64 0131
HOOVER W
AFCRL 64 0195
HORNREICH R M
AFCRL 64 0020
HORTON W H
AFOSR 64/0889
AFOSR 64/0890
HOSHIZAKI T
AFOSR 64/1082
HOSHOVSKY A G
OAR 64 0008
HOWARD L N
AFOSR 64/0728
HOWELL B F JR
AFCRL 63 0734
AFCRL 64 0211
HOWES B S
AFCRL 64 0170

HUEBNER D H
AFCRL 64 0278
HUFFMAN R
AFCRL 64 0348
HUFFMAN R E
AFCRL 64 0162
HUNG J W
AFCRL 63 0582
HUNT W W JR
AFCRL 64 0090
AFCRL 64 0383
HUNTEN D M
AFCRL 63 0833
HURD A E
AFOSR 3966
HYDEN H
AFOSR 64/1062
IANNUZZI M
AFOSR 64/0813
IDDINGS C K
AFOSR 64/0790
IDZIK S A
AFCRL 64 0321
ILIFF R L
AFCRL 63 0908
IMBUSCH G F
AFOSR 64/0628
AFOSR 64/0906
AFOSR 64/0907
INGRI N
AFOSR 64/1049
ISHIMARU A
AFCRL 63 0509
ISLAM J N
AFOSR 64/0660
ISO C
AFOSR 64/0876
IZUMI Y
AFCRL 64 0156
JABBUR R J
AFOSR 64/0793
JACAVANCO D J
AFCRL 64 0018
AFCRL 64 0019
JACKEROTT I M
AFCRL 64 0269
JACKSON L
AFOSR 64/1051
JACKSON L K
AFOSR 64/0675
JACOBS K G
AFCRL 64 0247
JAFFE J H
AFCRL 64 0176
JANAK J F
AFOSR 64/0905
JANECKE J
AFOSR 64/0637
JANES G S
AFOSR 64/0896
JANSEN C
AFCRL 64 0423
JARRETT A H
AFCRL 64 0370
JASINS A C
AFCRL 64 0166
JAWORSKI A
AFOSR 5420
JEFFREY R C
AFOSR 64/0947
JENN K H
AFCRL 64 0306
JELSMA L F
AFOSR 64/0694
JERISON M J
AFOSR 64/0839
AFOSR 64/0840
JESSEY M E
ARL 64 0069
JHA S
AFOSR 64/0796
JIMENEZ C
AFCRL 64 0312
JOHANSSON N G E
AFOSR 64/0639
JOHNSON G E
AFOSR 64/1067
AFOSR 64/1068
JOHNSON J H
AFOSR 64/0921
AFOSR 64/0922
JOHNSON N
AFOSR 64/0620
JONES D S
AFCRL 63 0369
JONES F S
AFCRL 64 0093
AFCRL 64 0119
JONES G D
AFCRL 64 0284
JONES R L
AFOSR 3227
JONES R V
AFCRL 64 0309
JONKER F
AFOSR 64/0942
AFOSR 64/0944
JORTNER J
AFOSR 64/1050
JUHASZ S
AFOSR 64/1033
JUSTUS C G
AFCRL 64 0187

KACZMARCZYK A
AFOSR 64/0927
AFOSR 64/0928
AFOSR 64/0929
KAFKA R W
AFOSR 64/0607
KAMALAS S L
AFCRL 63 0944
KAMAN A
AFCRL 63 0325
KAHN D
AFCRL 63 0866
KAHNE S J
AFOSR 64/0600
KALLMAN H
AFCRL 63 0432
KAMAL A K
AFOSR 64/0809
KANE J
AFCRL 64 0036
KANTOR A J
AFCRL 63 0936
KANTOR G
AFCRL 63 0929
KAPLAN C
AFOSR 64/0719
KAPLAN L J
AFCRL 64 0129
KAPLAN N
AFOSR 64/0755
KAPRIELIAN Z A
AFOSR 64/1137
KARCZEWSKI B
AFOSR 64/0814
KARLSSON J E
AFOSR 64/1008
KARP S N
AFCRL 64 0426
KASHYAP R L
AFOSR 64/0691
KATCHALSKY A
AFOSR 64/0993
KATZ A
AFCRL 64 0304
KATZIN M
AFCRL 63 0862
KAWANO T
AFCRL 64 0046
AFCRL 64 0296
KAY A F
AFCRL 64 0347
AFCRL 64 0374
KAYLOR R
AFCRL 64 0382
KELLEY J G
AFCRL 64 0412
KELLY J J
AFCRL 64 0288
KELSON I
AFOSR 64/0863
KENDALL P C
AFCRL 64 0075
KENNEDY J K
AFCRL 64 0314
KENNEDY M J
AFCRL 64 0090
KESSEY K O
AFOSR 64/0895
KHURI N N
AFOSR 64/0799
KIBBLE T W B
AFOSR 64/0865
KIDD C
AFOSR 64/1083
KIEFER J
AFOSR 64/1104
KILMER W L
AFCRL 64 0007
KING R B JR
AFCRL 64 0131
KING R W P
AFOSR 64/0702
KINGERY W D
AFCRL 64 0117
KINGSLAND D
AFCRL 64 0294
KIP A F
AFOSR 64/0769
AFOSR 64/0770
KISSLINGER C
AFCRL 64 0397
KITCHIN A H
AFOSR 64/0965
KIVIOJA L A
AFCRL 64 0130
KLAPPER J
AFCRL 64 0305
KLEIN M J
ARL 64 0088
KOCH C C
ARL 64 0101
KOCH J F
AFOSR 64/0769
KOCHEN M
AFCRL 64 0087
KOHLER R J
AFCRL 64 0271
KOK B
AFOSR 64/0739
AFOSR 64/0740
KOLMAN B
AFCRL 63 0582
KONIG H L
AFCRL 64 0081

KOPAL Z
AFCRL 63 0949
KORNFELD P
AFCRL 64 0183
KRAEMER H C
AFOSR 64/1034
KRAUSE E
ARL 64 0103
KREITZBERG C W
AFCRL 64 0026
KRETSCHMER C B
AFOSR 64/0666
AFOSR 64/0667
KRIPKE B R
AFOSR 64/0968
KRISTIANSSON K
AFOSR 64/0640
KRMPOTIC F
AFOSR 64/0786
KSIENSKI A
AFCRL 64 0213
AFCRL 64 0214
KUHLTHAU A R
AFOSR 64/0567
KUHNLE P F
AFCRL 64 0164
KULLER R G
ARL 64 0085
KUN-MU CHEN
AFCRL 64 0356
KURIYAMA M
AFOSR 64/1070
AFOSR 64/1071
AFOSR 64/1072
AFOSR 64/1073
AFOSR 64/1074
KURSUNOGLU B
AFCRL 64 0277
KUSCH P
AFOSR 64/0821
KUSENBERGER F N
AFOSR 64/0668
KUTZELNIGG W
ARL 64 0099
LAFLAMME P M
AFCRL 64 0389
LAGRONE A M
AFCRL 64 0054
LAGRONE A R
AFCRL 63 0921
LAI D C
AFCRL 64 0012
LAING M
AFOSR 64/1107
LAING M B
AFOSR 64/1107
LAKIN L R
AFCRL 64 0020
LAM S M
AFOSR 64/0353
LAMBERT K G
AFCRL 64 0204
LAMBERT R M
AFCRL 64 0325
LANDAHL M D
AFOSR 64/0959
LANDAHL M T
AFOSR 4963
LANDSHOFF P V
AFOSR 64/0783
LANG S M
ARL 64 0063
ARL 64 0082
LARRABEE J C
AFCRL 64 0162
LARSON S S
AFCRL 64 0154
LARSSON B
AFOSR 64/0954
LARUSSA F J
AFCRL 64 0192
LAVIN P M
AFCRL 64 0211
LAW A G
AFOSR 64/0979
LAWSON M O
ARL 64 0074
ARL 64 0076
LAYER M
AFOSR 2644
LAZARUS D
AFOSR 64/0750
LEE B W
AFOSR 64/0634
AFOSR 64/0635
AFOSR 64/0780
AFOSR 64/0782
LEES L
AFOSR 64/0893
LEIGHTON R B
AFCRL 64 0396
LERMARD R W JR
AFCRL 63 0938
LEONDES C T
AFOSR 3116
AFOSR 64/0972
LEVINSON C A
AFOSR 64/0862
LEVY A
ARL 64 0090
LEVY S
AFCRL 64 0066
LEWIS F H JR
AFOSR 64/1052

LEWIS R M AFCRL 64 0307
LIBBY P A AFOSR 64/0566
LIBBY W F AFOSR 64/0651
LIBRIZZI J ARL 64 0110
LICHTENBERG A J AFOSR 64/1125
LIDE D R JR AFOSR 64/0820
LIEBERMAN P AFCRL 63 0397
LIEPA V V AFCRL 64 0356
LIEPINS A A AFOSR 64/0918
LIH-JYH WENG AFCRL 64 0012
LILLEY A E AFCRL 64 0141
LINDEN K J AFCRL 64 0013
LINDENMEYER C S AFOSR 64/0823
LINDGREN E AFCRL 64 0396
LINDGREN E R AFOSR 64/0859
LINDQVIST T AFOSR 64/0657
LINDSKOG J AFOSR 64/1010
AFOSR 64/1011
AFOSR 64/1012
LINDSTROM J O AFOSR 64/1009
AFOSR 64/1010
AFOSR 64/1011
AFOSR 64/1012
LINZ A C AFCRL 63 0501
LION K S AFCRL 64 0193
LIPSCOMB W N AFOSR 64/1110
LISHAJKO F AFOSR 64/1069
LISZKA L AFCRL 64 0266
AFCRL 64 0267
AFCRL 64 0268
LITTY R AFCRL 64 0036
LIU H W ARL 64 0068
ARL 64 0069
LIVE A H AFOSR 64/0950
LOB W H AFCRL 64 0012
LOHR R F JR AFOSR 64/1120
LONG M J AFCRL 64 0111
LONG R E AFOSR 64/1107
LORENTZ G G AFOSR 64/0715
LOVE T J ARL 64 0109
LOW W AFOSR 2167
AFOSR 64/0756
AFOSR 64/0802
LOWDIN P-O ARL 64 0006
LOWE L F AFCRL 64 0312
LUBARD S AFOSR 64/0742
LUCAS R C AFCRL 64 0134
AFCRL 64 0390
LUDMAN J E AFCRL 63 0562
LUDWIG G R AFOSR 64/0590
LUND I A AFCRL 64 0150
LUNDGREN G AFOSR 64/1049
LURIE D AFOSR 64/1059
LYNESS J N AFOSR 64/0641
AFOSR 64/0645
MAARTENSE I AFCRL 63 0833
MACDONALD N J AFCRL 64 0190
MACDOUGALL J D AFOSR 64/1018
MACIEL A AFOSR 64/0657
MACK E W AFOSR 64/0611
AFOSR 64/0612
AFOSR 64/0874
MACK R B AFOSR 64/0611
AFOSR 64/0612
MADDOX H S AFOSR 64/0874
MAGLEBY K B AFOSR 64/1107
MAILLOUX R J AFOSR 64/0903
MAJOR M W AFOSR 64/0614
MALLORY D J AFCRL 64 0186
MARCUSO R L AFOSR 64/0670
MARMEN M L AFCRL 64 0385
MANSON N AFCRL 64 0040
MARATHAY A S AFOSR 64/0894
MARCUS M AFOSR 64/1013
MARCUVITZ N AFOSR 64/0969
MARGGRAF W A AFCRL 64 0039
MARGOLISS D AFCRL 64 0062
MARILL T AFCRL 64 0285
MARKHAM M C AFCRL 63 0792
MARKS P A AFCRL 64 0362
MARR G V AFOSR 2079
MARSEL C J AFOSR 64/0806
AFOSR 64/0807
MARSH D P AFCRL 63 0537
MARTIN A D AFOSR 64/0653
MASSA R J AFOSR 64/0973
MASTERMAN M M AFCRL 64 0323
MASTERS J AFOSR 64/1036
MATHER K B AFCRL 64 0151
MATTHAIS E AFCRL 64 0274
MATTHEWS E K AFOSR 64/0657
MAVROIDES W G AFOSR 64/1086
MAY A D AFCRL 64 0291
MAYEDA W AFOSR 64/0907
MAYER I P AFOSR 64/1116
AFOSR 64/1117
MAYERS J AFOSR 2160
MCCALL R C AFOSR 5420
MCCAW C R AFCRL 64 0166
MCCLAY J F AFOSR 64/0622
MCCORMACK T L AFCRL 63 0907
MCCULLOCH W S AFCRL 64 0020
MCCUMBER D E AFOSR 64/0696
MCDANIEL E W AFOSR 64/0906
MCDERMOTT M N AFCRL 64 0044
MCDOWELL M R C AFOSR 64/1122
MCHUGH B J J AFCRL 64 0044
MCILVERNA J F JR AFOSR 64/0645
MCLATCHIE W AFCRL 63 0360
MCLAUGHLIN R J AFOSR 64/1018
MCMILLAN M AFOSR 64/0904
MCMURTRY B J AFOSR 64/0659
MCNEILL D A AFCRL 63 0500
MEGGITT J E AFCRL 63 0944
MEISTER N T AFCRL 64 0190
MEKSAWAN T AFOSR 64/0791
MELTZ G AFOSR 64/0970
MELVIN D AFCRL 64 0018
MELZACK R AFCRL 64 0047
MENDELSOHN N S AFOSR 64/1076
MENZEL D H AFOSR 64/0671
AFOSR 64/0672
AFCRL 64 0037
AFCRL 64 0093
AFCRL 64 0119
AFCRL 64 0275
AFCRL 64 0396
MERRYMAN E L ARL 64 0090
MESCHLER P A AFOSR 64/0976
METSGER R AFCRL 64 0186
MICHAELS S B AFCRL 63 0397
MICHIE R W AFOSR 64/1042
AFOSR 64/1043
AFOSR 64/1044
MIESCHER E AFCRL 64 0391
MIHELICH J L ARL 64 0101
MILLARD M AFOSR 64/0927
MILLER M J AFCRL 63 0905
MILLER M E AFCRL 64 0336
MINC H AFOSR 64/0711
AFOSR 64/0712
AFOSR 64/0724
AFOSR 64/0969
MINER R J AFCRL 64 0024
MINKOWYCZ W J AFOSR 64/1023
MINOBE K AFOSR 64/0952
MINTZER D AFCRL 63 0866
MISEWICZ L M AFCRL 64 0321
MITCHAM W S AFCRL 64 0306
MITTELSTADT V R AFOSR 64/0810
MITZNER K M AFOSR 64/0802
MIZEL V J AFOSR 64/0973
MOLL J L AFOSR 64/0623
MOLLENAUER L F AFOSR 64/0628
AFOSR 64/0907
MONTGOMERY C R AFCRL 63 0515
MOORE C B AFOSR 64/0685
MOORE D W AFOSR 64/0805
MOOS H W AFOSR 64/0628
AFOSR 64/0907
MORGAN M G AFCRL 63 0772
MORGANE P J AFOSR 64/0741
MORICONI E J AFOSR 64/0684
MORITZ M AFCRL 64 0132
AFCRL 64 0319
MORRIS I L AFOSR 64/0614
MORRIS M L ARL 64 0096
ARL 64 0097
MORRISH A M AFOSR 64/0764
MORRISON R T AFOSR 64/1108
MORSE T F AFOSR 64/0915
MOSHIER R W ARL 64 0096
ARL 64 0097
MOSS M J AFCRL 64 0121
MOTZ M AFOSR 64/0813
MOULTON C L AFCRL 64 0005
MOULTON W G AFOSR 64/0747
MOURTCASTLE V B AFOSR 64/1079
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MUELLER I I AFCRL 64 0131
MUKUNDA N AFOSR 64/1053
MURATA T AFOSR 64/0706
MURCRAY D G AFCRL 64 0084
AFCRL 64 0165
MURCRAY F M AFCRL 64 0084
MURPHY G J AFOSR 64/0970
MURRAY E M E AFCRL 64 0151
MURTAZA G AFOSR 64/1006
MURTHY S N B ARL 64 0083
MACHTRIEB N M AFOSR 64/0750
NAIMAN C S AFCRL 63 0581
NAKAMURA Y AFCRL 64 0060
NAKHLEH J AFOSR 64/1045
NAMIOKA T AFCRL 64 0048
NAPOLITANO L G AFOSR 64/0885
NARDONE L J AFCRL 64 0050
NARENDRA K S AFOSR 64/0689
AFOSR 64/0690
NATH P AFOSR 64/0790
NAZAREWICZ W AFOSR 64/0768
NEFF H P AFCRL 64 0005
NEFF W D AFOSR 64/0966
NEWCOMB R W AFOSR 64/0625
NICHOLLS R W AFOSR 4806
NICHOLS I A AFCRL 64 0412
NICHOLSON J R ARL 64 0107
NILL K W AFOSR 64/0629
NISHIYAMA T AFOSR 3489
NOETHER G E AFOSR 4811
NORDLING C OSR 64/1008
NORDO J AFCRL 64 0334
NORINDER H AFCRL 64 0078
NORRIS L F AFOSR 1961
NOVICK R AFOSR 64/1122
NUSS J W AFOSR 64/0927
AFOSR 64/0929
AFOSR 64/0930
NUTTALL J AFOSR 64/0783
OAKES R J AFOSR 64/1016
OCONNELL D N AFOSR 1206
AFOSR 64/0830
AFOSR 64/0831
OCONNER J AFOSR 64/0682
OEHME R AFOSR 64/0787
OFER S AFOSR 64/0755
OHNO A ARL 64 0078
OKAYA Y AFCRL 64 0281
OLINER A A AFCRL 63 0367
OLIVEIRA R G AFOSR 64/0625
OLIVER J AFCRL 64 0185
AFCRL 64 0186
OLLENDORFF F AFCRL 64 0143
OLSEN S AFCRL 64 0304
ONEAL J R AFCRL 64 0121
ONEAL J B JR AFCRL 64 0003
ONEIL D AFCRL 63 0563
OPPENHEIM A K AFOSR 64/0894
ORNE M T AFOSR 1206
AFOSR 64/0826
AFOSR 64/0830
ORTON J W AFOSR 64/0745
AFOSR 64/0746
ORVILLE-THOMAS W J AFCRL 64 0368
OSHMAN M K AFCRL 63 0508
OSKAM H J AFOSR 64/0810
OSTMAN B AFCRL 64 0394
OSWALDO/CRUZ E AFOSR 64/1083
OTTOSON D AFOSR 64/0962

OWENS O V H
AFOSR 64/0740
PACE J R
AFCRL 64 0290
PACK D C
AFOSR 64/0725
PAFFRATH L
AFCRL 64 0370
PAPA R J
AFCRL 64 0250
PARKER H M
AFOSR 64/0567
PARKER L W
AFCRL 64 0193
PARKINSON W H
AFOSR 4806
PARMERTER R R
AFOSR 5362
PARRAVANO G
AFOSR 1961
PARTHE E
AFOSR 64/0760
PARTLOW W D
AFOSR 64/0747
PATRICK F W
AFCRL 64 0179
PAYNE/GAPOSCHKIN C
AFOSR 64/0596
PEDERSON D O
AFOSR 64/0900
PENNEY T
AFCRL 64 0101
PERES A
ARL 64 0072
PERKINS W R
AFOSR 64/0609
PERRY B W
AFOSR 64/1122
PERSKY M J
AFCRL 64 0210
PESTEL E
AFOSR 64/0592
PETERS L
AFCRL 64 0046
PETERS L JR
AFCRL 63 0942
AFCRL 64 0296
PETERSEN H L
AFOSR 64/0666
AFOSR 64/0667
PETERSON W W
AFCRL 64 0121
PFLUKE J H
AFCRL 63 0734
PICKARD W F
AFOSR 64/0616
AFOSR 64/0701
PICKETT R M
AFOSR 64/0840
PICKFORD M
AFOSR 64/0965
PIMENTEL G C
AFOSR 64/0685
PLANSKY W M
AFCRL 64 0020
PLASTINO A
AFOSR 64/0786
POGGIO G F
AFOSR 64/1079
AFOSR 64/1081
POLAK E
AFOSR 64/1128
POLKINGHORNE J C
AFOSR 64/0638
AFOSR 64/0779
AFOSR 64/0783
PONDER B W
ARL 64 0096
PONZO P J
AFOSR 64/0703
POST B
AFOSR 2160
AFOSR 64/0774
POST E J
AFCRL 64 0315
POTTER R
AFCRL 64 0036
PRATT R H
AFOSR 64/0793
PRENTISS H V
AFCRL 64 0204
PROBERT-JONES J R
AFCRL 64 0249
PROFIO R
AFCRL 64 0427
PROSEN R J
AFOSR 64/0764
PRZEMIENIECKI J S
ARL 64 0108
PURCELL W H JR
AFOSR 64/0730
QUATE C F
AFOSR 64/0697
QUILLIAM J P
AFOSR 64/0951
RAETHER M
AFOSR 64/0610
RAGHAVACHARYULU I V V
ARL 64 0079
RAIN D W
AFOSR 64/0707
RAMBAUSKE W R
ARL 64 0098

RANKIN T M
AFOSR 4666
RASHID M A
AFOSR 64/1006
RAUB C J
AFOSR 64/0748
RAWER K
AFCRL 64 0247
READEY D W
AFCRL 64 0117
REEVES B L
AFOSR 64/0893
REEVES E M
AFOSR 4806
REICHARDT W E
AFOSR 64/1064
REID D A
AFCRL 64 0134
AFCRL 64 0390
REID E
AFCRL 64 0012
REIS F B
AFCRL 64 0012
REISMAN A
AFCRL 64 0063
RESLOW F C
AFCRL 64 0325
REVESZ A G
AFCRL 64 0136
RIBNER H S
AFOSR 64/0590
AFOSR 64/0911
RIBNICK A S
AFOSR 64/0774
RICCI G
AFOSR 64/1089
RICE S A
AFOSR 64/1050
RICHMAN A
AFOSR 64/0979
RICKER N H
AFCRL 63 0932
RIECKER R E
AFCRL 64 0215
RIGNEY D A
AFCRL 64 0020
RINGWALT J L
AFCRL 63 0862
RINON S
AFOSR 64/0652
RIPPERGER E A
AFOSR 64/1033
ROBERTS P H
AFOSR 64/0977
AFOSR 64/0978
ROBICHAUD A
AFCRL 64 0141
ROBINSON N
AFCRL 64 0352
ROBINSON D
AFOSR 64/0897
ROBINSON E A
AFCRL 64 0241
RODGERS W L
AFOSR 64/1076
ROHRER R A
AFOSR 64/0891
AFOSR 64/1114
AFOSR 64/1115
ROLAND G
AFCRL 63 0888
ROM J
ARL 64 0067
ROMAN P
AFOSR 64/1013
RONCHI L
AFOSR 64/1059
AFOSR 64/1060
AFOSR 64/1061
ROOSILD S A
AFCRL 63 0563
ROSENBAUM J H
AFCRL 64 0231
ROSENBERGER U
AFOSR 64/0882
ROSENTHAL M
AFCRL 64 0069
ROSS B
AFOSR 5420
ROSS E
AFCRL 64 0285
ROSSELAND S
AFCRL 64 0335
ROSSONI J P
AFCRL 64 0273
ROTHACKER D L
AFOSR 64/0917
ROTTENBERG J A
AFCRL 64 0146
ROYCE E B
AFOSR 64/0605
RUBENFELD L
AFCRL 64 0244
RUBIN A G
AFCRL 64 0412
RUBINOVITZ J
AFCRL 64 0311
RUBINSTEIN H
AFCRL 64 0020
RUGER C J
AFOSR 64/1025
RUMMLER W D
AFOSR 64/0700

RUMSEY V H
AFOSR 64/1129
RUSSELL L
AFCRL 64 0146
RYDBECK O E H
AFCRL 64 0080
SARIN C M
AFOSR 5443
SADOFSKY M D
AFCRL 64 0116
SAKAKURA A Y
ARL 64 0085
SALISBURY J W
AFCRL 63 0903
SALOMAN E B
AFOSR 64/1122
SALOMON M
AFOSR 64/0657
SALWEN H
AFOSR 64/0920
SANDERS J L JR
AFOSR 64/0918
SANDO K M
ARL 64 0105
SANDRI G
AFOSR 64/1029
SANDSTROM A E
AFCRL 64 0394
AFCRL 64 0403
SANFORD L C
AFCRL 64 0271
SASTRY P V
AFOSR 64/0751
SATTERTHWAITE C B
AFOSR 64/0710
SAUCIER W J
AFCRL 64 0256
SAUNDERS R I
AFCRL 64 0125
SAVILLE G
AFOSR 64/0745
SAWYER R F
AFOSR 64/0634
AFOSR 64/0781
AFOSR 64/0782
SCHAEFER D
AFCRL 64 0285
SCHAFFER P S
AFCRL 64 0057
SCHAUER R F
AFCRL 64 0198
SCHAWLOW A L
AFOSR 64/0628
AFOSR 64/0906
AFOSR 64/0907
SCHEIBE K E
AFOSR 64/0826
SCHIFF L I
AFOSR 64/0792
SCHMALBERGER D C
AFOSR 64/0598
SCHMITT H J
AFOSR 64/0618
SCHONFELD C
ARL 64 0093
SCHWARTZ S E
AFCRL 64 0242
SCONZO P
AFCRL 64 0273
SEARLE C W
AFOSR 64/0764
SEAVEY M H JR
AFCRL 64 0014
SECUNDA S
AFOSR 2078
SEEGMILLER D W
AFOSR 64/0925
SEGAL J R
AFOSR 64/1075
AFOSR 64/1076
SEIP R
AFOSR 64/0686
SELF S A
AFOSR 64/0624
SELIN T G
AFOSR 64/0923
SELYE H
AFOSR 64/0681
SEN H K
AFCRL 63 0902
SENECAL G
AFCRL 64 0278
SENIOR J B
AFOSR 64/0936
SENNETT C T
AFCRL 64 0284
SEREBRENY S M
AFCRL 64 0229
AFCRL 64 0230
SESHADRI S R
AFOSR 64/0614
AFOSR 64/0615
SESHU S
AFOSR 64/1118
SESNIC S
AFOSR 64/1125
SETHARES J C
AFCRL 64 0014
SETTY C S G K
AFCRL 64 0056
SHARKLAND D G
ARL 64 0106
SHAPIRO R
AFCRL 64 0190

SHARP F
AFCRL 63 0912
SHAUDENISHKY L
AFCRL 64 0143
SHAW G L
AFOSR 64/0790
SHEER C
AFOSR 64/0917
SHEN Y R
AFOSR 64/0606
SHERIDAN J
AFOSR 64/0812
SHIN H
AFOSR 64/0879
AFOSR 64/0880
SHNIDMAN D A
AFOSR 64/0693
SHOR R E
AFOSR 1206
AFOSR 64/0828
AFOSR 64/0829
SHORE B W
AFCRL 64 0037
SHULL F B
AFOSR 64/1020
SHUMATE M S
AFCRL 64 0175
SIEGBAHN K
AFOSR 64/1008
SIEGMAN A E
AFCRL 63 0508
SIENKO M J
AFOSR 64/0881
SIEVERS P T
AFCRL 64 0070
SIEVERS R E
ARL 64 0096
ARL 64 0097
SILVER I A
AFOSR 64/0986
SILVERMAN J
AFCRL 64 0104
SIMPSON J A
AFOSR 64/0632
SIMPSON S M
AFCRL 64 0241
SING C Y
AFCRL 64 0092
SINGER J
AFOSR 64/0591
AFOSR 64/1028
SINGH V
AFOSR 64/0800
SION M
AFOSR 4810
AFOSR 64/0670
SIVAPRASED K
AFOSR 64/0702
SJOGREN R
AFOSR 64/0639
SKIFSTAD J G
ARL 64 0083
SLIFKIN L M
AFOSR 2644
AFOSR 3030
SMALLEY J M
AFCRL 63 0951
SMITH B A
AFCRL 63 0217
SMITH E E
AFOSR 1983
AFOSR 64/0190
SMITH G G
AFOSR 64/0688
SMITH J N JR
AFOSR 5439
SMITH J P
AFOSR 64/0933
SMITH R A
AFCRL 64 0056
SMITH R D
AFCRL 64 0164
SMOLDEREN J J
AFOSR 64/0981
SNYDER D
AFCRL 64 0036
SOBRAL M
AFOSR 64/0705
SOBRAL M JR
AFOSR 64/0891
AFOSR 64/1114
SOCCI E B
AFOSR 64/0941
SODERBERG U
AFOSR 64/0733
SOLOMONOFF R J
AFOSR 64/0946
SORENSON K
AFOSR 64/0901
SOSHEA R W
AFCRL 64 0134
AFCRL 64 0390
SOUZA A F
AFCRL 64 0092
SPANIER E H
AFCRL 64 0375
SPANO F A
AFOSR 64/0684
SPARKS R A
AFOSR 64/1107
SPARRMAN P
AFOSR 64/1009
AFOSR 64/1010

AFOSR 64/1011
AFOSR 64/1012
SPARROW E M
AFOSR 64/1023
SPAULDING T R
AFCRL 63 0919
SPIEGEL E A
AFOSR 64/0805
SPRAGINS J D JR
AFOSR 64/0695
SQUIRES E J
AFOSR 64/0631
AFOSR 64/0798
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