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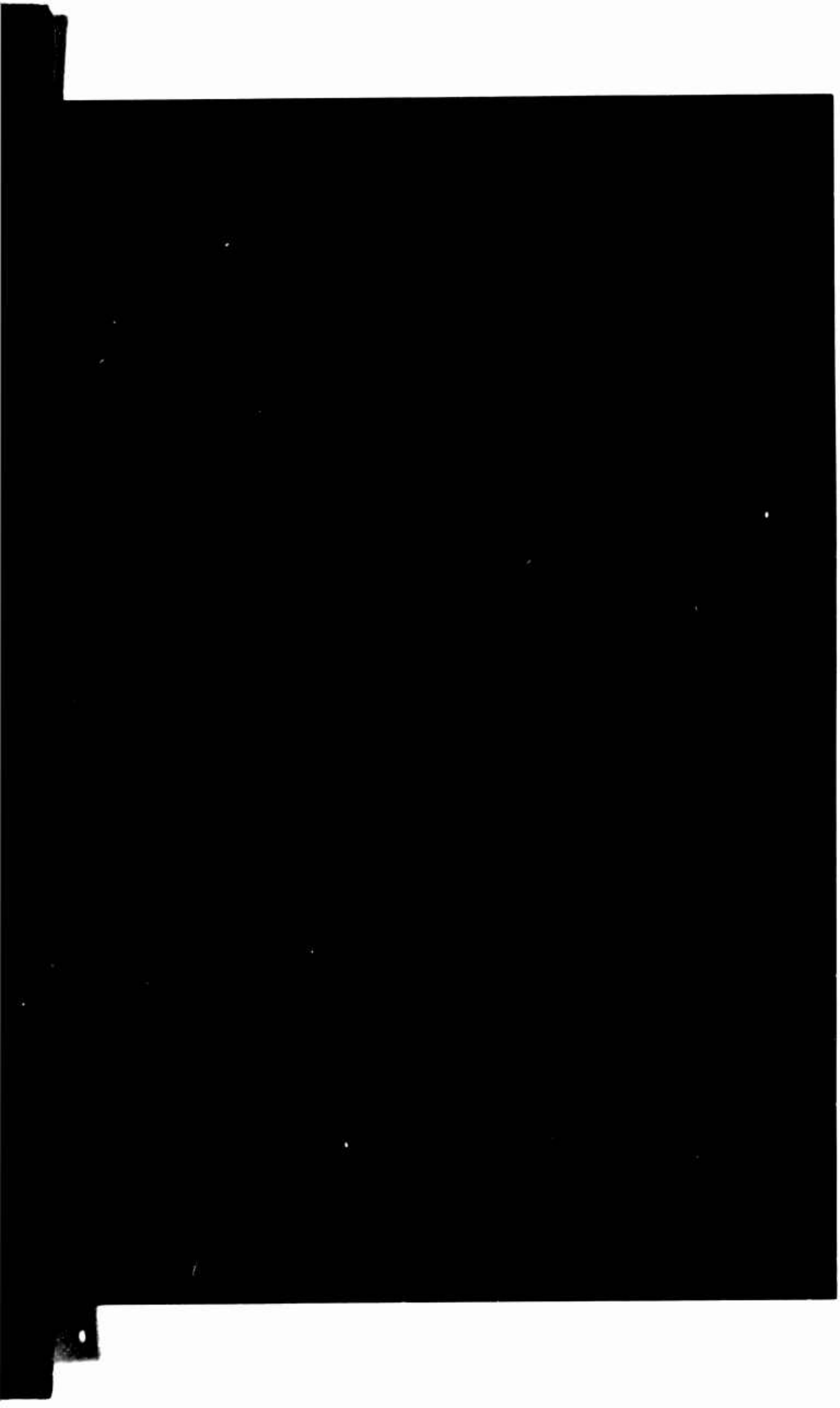
OAR quarterly index of current RESEARCH RESULTS

1 July–30 September 1964

Office of Aerospace Research
United States Air Force



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OAR Quarterly Index of CURRENT RESEARCH RESULTS

1 JULY - 30 SEPTEMBER 1964

OFFICE OF AEROSPACE RESEARCH
UNITED STATES AIR FORCE
WASHINGTON, D. C.

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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 alpha-numerically 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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ABSOLUTE OSCILLATOR STRENGTHS FOR CADMIUM IODIDE LAMBDA 3261 AND SILVER IODIDE LAMBDA-LAMBDA 3281 AND 3383, 1964
MONTHLY NOTICES ROY ASTRON SOC V127 N5 PP359-366
BY BIENIEWSKI T
DDC NUMBER 447291
PROJ/TASK 7112 02

ARL 64 0158
AF OAR AEROSPACE RESEARCH LABS METALLURGY AND CERAMICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
THE FORMATION OF PASSIVATING INTERNAL INDIUM SESQUIOXIDE BANDS IN SILVER-INDIUM ALLOYS, MAY 1964
ACTA MET V12
BY RAPP R A
FRANK D F
ARMITAGE J V
DDC NUMBER 447292
PROJ/TASK 7021 05

ARL 64 0159
AF OAR AEROSPACE RESEARCH LABS CHIEF SCIENTIST OFFICE
A BRIEF SYNOPSIS OF IN-HOUSE RESEARCH, SEP 1964
DDC NUMBER 604007

E. Air Force Cambridge Research Laboratories (AFCRL)

AFCRL 63 0371
AIR TECHNOLOGY CORP CAMBRIDGE MASS
STUDY OF DIRECTIVE VLF WAVE ANTENNAS FOR RECEPTION OF TRANSPOLAR SFERICS FROM THE CONTINENTAL UNITED STATES
30 AUGUST 1963
BY CLAPP R E — DDC NUMBER 448341
MAXWELL J C — INSTRUMENT AF 19<628>01697
COLBURN C H — PROJ/TASK 4662 05

AFCRL 63 0679
HAMBURGER-STERNWARTE HAMBURG WEST GERMANY
LIQUID-DYE FILTERS WITH NARROW PASS-BANDS - PART 1. RANGE 3000 TO 4500 AU. 1 APR 1963
BY WURM K
INSTRUMENT AF 61<052>00259
PROJ/TASK 8635 01

AFCRL 63 0730
HAMBURGER-STERNWARTE HAMBURG WEST GERMANY
SPECTROPHOTOMETRY OF GALACTIC NEBULAE ORION NEBULA II. 1 JUN 1963
BY WURM K
INSTRUMENT AF 61<052>00259
PROJ/TASK 8635 01

AFCRL 63 0765
GENERAL DYNAMICS CORP ASTRONAUTICS SAN DIEGO CALIF
RESEARCH DIRECTED TOWARD DEVELOPMENT OF A PROTOTYPE LUNAR TRANSPONDER <INCLUDING A FEASIBILITY STUDY ON THE CONFIGURATION OF FOUR EARTH-BASED TRACKING STATIONS. 15 SEP 1963
BY SHAW F W
INSTRUMENT AF 19<628>01609
PROJ/TASK 8654 03

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 8653 02

AFCRL 63 0863
TENNESSEE U KNOXVILLE
AN EXAMINATION OF THE FAR INFRARED SPECTRUM OF HYDROGEN FLUORIDE. AUG 1963
BY MASON A A
NIELSEN A H
INSTRUMENT AF 19<604>07981
PROJ/TASK 7670 02

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

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
OZONESONDE OBSERVATIONS OVER NORTH AMERICA - VOLUME 2 JULY 1964
BY HERING W S
BORDEN T R JR
PROJ/TASK 8631 02

AFCRL 64 0071
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
AN ADAPTIVE FILTER FOR THE DESIGN OF IONOSPHERIC DISTURBANCE DETECTORS <U> - FEBRUARY 1964
BY SMALLWOOD R D
PROJ/TASK 4691 03

AFCRL 64 0072
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
FERRIMAGNETIC RESONANCE RELATIONS FOR MAGNETOCRYSTALLINE ANISOTROPIC CUBIC CRYSTALS. APR 1964
BY ZAPP H R
PROJ/TASK 5621 04

AFCRL 64 0106
CHICAGO U ILL
PHOTOIONIZATION STUDIES USING A MASS SPECTROMETER JAN 1964
BY INGHRAM M G
INSTRUMENT AF 19<604>08011
PROJ/TASK 7635 03

AFCRL 64 0137
SYLVANIA ELECTRIC PRODUCTS INC WALTHAM MASS
RESEARCH IN NONLINEAR CODES. MAR 1964
BY TURYN R
INSTRUMENT AF 19<628>02479
PROJ/TASK 5628 01

AFCRL 64 0138
MICHIGAN U ANN ARBOR MICH
STUDIES IN RADAR CROSS SECTIONS XLIX DIFFRACTION AND SCATTERING BY REGULAR BODIES III. THE PROLATE SPHEROID. FEB 1964
BY SLEATOR F B
INSTRUMENT AF 19<604>06655
PROJ/TASK 5635 02

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IOWA STATE U IOWA CITY
FAST RESPONSE INSTRUMENTATION FOR THE MEASUREMENT OF TURBULENT FLUXES IN THE LOWER ATMOSPHERE AND A FILM READER SYSTEM AND ANALOG STATISTICAL ANALYZER 1 FEBRUARY 1964
BY STEWART R M JR
POST R E — INSTRUMENT AF 19<604>05457
PROJ/TASK 7655 02
TRACEY J H — PROJ/TASK 8604 01
JOHNSON R W
EDWARDS J R

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB L G HANSCOM FIELD MASS
INTELLIGIBILITY OF EXCERPTS FROM FLUENT SPEECH EFFECTS OF RATE OF UTTERANCE AND DURATION OF EXCERPT MARCH 1964
BY PICKETT J M
POLLACK I
PROJ/TASK 5628 02

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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
RADIATION PATTERN OF SURFACE WAVES FROM POINT SOURCES IN A MULTILAYERED MEDIUM. MAR 1964
BULL SEISMOLOGICAL SOC AM V54 N1 PP377-393 FEB 1964
BY HASKELL N A
PROJ/TASK 8652 03

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AF OAR AIR FORCE CAMBRIDGE RESEA/CH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
CELESTIAL BACKGROUND RADIATION I. A REVISED SCALE OF BOLOMETRIC CORRECTIONS. MAR 1964
BY WALKER R G
PROJ/TASK 7670 06

AFCRL 64 0171
RAYTHEON CO WALTHAM MASS
INVESTIGATION OF TRAVELLING WAVES IN THE IONOSPHERE AND THEIR EFFECTS. DEC 1963
BY HOLWAY L H
KAHN D — INSTRUMENT AF 19<628>02802
ROLFE E — PROJ/TASK 4649 01

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SPACE SYSTEMS LAB INC MELBOURNE FLA
REAL TIME AND DAYLIGHT GEODETIC STELLAR CAMERAS STUDY. 6 MAR 1964
BY KOHN H T
INSTRUMENT AF 19<628>02990
PROJ/TASK 7600 06

AFCRL 64 0177
RENSSELAER POLYTECHNIC INST TROY N Y
WATER WELLS IN EARTHQUAKE AND EXPLOSION DETECTION 26 JUN 1964
BY CARRAGAN W
MICHALKO F — INSTRUMENT AF 19<604>08376
KATZ S — PROJ/TASK 8652 04

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GENERAL ELECTRIC CO SANTA BARBARA CALIF
ANNUAL REPORT. INVESTIGATION OF EFFECTS OF NUCLEAR DETONATIONS ON PROPAGATION OF ELECTROMAGNETIC WAVES. VOL I - FIREBALL AND GAMMA RAY BLACKOUT. 31 MAR 1964
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BY HAUSZ W
SMITH R — INSTRUMENT AF 19<628>00207
LUEHR C
ROGUSCH R

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LOCKHEED AIRCRAFT CORP SUNNYVALE CALIF
SUB ELF GEOMAGNETIC FLUCTUATIONS - VOLUME III - OBSERVATIONS OF TRANSIENT AND BACKGROUND VLF, ELF AND SUB ELF ELECTROMAGNETIC EFFECTS PRODUCED BY HIGH ALTITUDE NUCLEAR DETONATIONS - 26 DECEMBER 1963
BY TEPLEY L
WENTWORTH R C — INSTRUMENT AF 19<628>00462
LAMBERT K G — PROJ/TASK 8653
PRENTISS H V
AMUNDSEN K D
HILLENDAHL D R

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 - 1 JULY 1964
BY LINDKVIST F C
BRAUN R — INSTRUMENT AF 19<628>03274
PROJ/TASK 5930 04

AFCRL 64 0243
NATIONAL CO INC MALDEN MASS
INVESTIGATION OF MULTIPLE SPIN FLIP PROCESSES TO PRODUCE TRANSITIONS AND INVERSIONS AT ARBITRARY FREQUENCIES. 16 MAR 1964
BY MYERS G W
INSTRUMENT AF 19<628>00456
PROJ/TASK 4645 01

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INST FOR METEOROLOGIE TECH HOCHSCULE DARMSTADT WEST GERMAN
ON THE TWO-DIMENSIONAL SPECTRAL ANALYSIS OF KINETIC ENERGY OVER A CIRCUMPOLAR AREA OF A SPHERE, 31 DEC 1963
BY MESINGER F
INSTRUMENT AF 61<052>00366
PROJ/TASK 8604 03

AFCRL 64 0253
WASHINGTON U SEATTLE
THINNING AND BROADBANDING ANTENNA ARRAYS BY UNEQUAL SPACINGS, MAR 1964
BY ISHIMARU A
CHEN Y S
INSTRUMENT AF 19<628>02763
PROJ/TASK 5635 02

AFCRL 64 0257
OHIO STATE U COLUMBUS
THE DESIGN AND CONSTRUCTION OF A LUMINOUS SHOCK TUBE FOR SPECTROSCOPIC INVESTIGATIONS OF HIGH-TEMPERATURE GASES, JAN 1964
BY BYARD P L
ROLL R E
SLETTEBAK A
INSTRUMENT AF 19<604>04055
PROJ/TASK 8635 03

AFCRL 64 0258
HARVARD U FORT DAVIS TEXAS
OBSERVATIONS OF THE OCCULTATION OF THE CRAB NEBULA BY THE SOLAR CORONA AT A WAVELENGTH OF 6 CM, JUN 1964
ASTROPHYS J V139 N1 JAN 1964
BY HUGHES M P
DOWNES D
MURRAY C
DDC NUMBER 443581
INSTRUMENT AF 19<628>02370
PROJ/TASK 7649 04

AFCRL 64 0262
ROYAL INST OF TECH STOCKHOLM SWEDEN
QUARTERLY PROGRESS AND STATUS REPORT, 15 JAN 1964
BY FANT C G
INSTRUMENT AF EOAR 63-55
PROJ/TASK 4610 02

AFCRL 64 0265
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
MICROWAVE MAGNETOELASTIC MEASUREMENTS BY PARALLEL PUMPING, APR 1964
BY OLSON F A
PROJ/TASK 4600 03

AFCRL 64 0282
MASSACHUSETTS INST OF TECH CAMBRIDGE
WIND TUNNEL STUDIES OF ANTENNA BREAKDOWN, PART I, MAR 1964
BY COVERT E E
COFFIN J P
INSTRUMENT AF 19<628>02434
PROJ/TASK 4642 02

AFCRL 64 0289
NEW YORK U NEW YORK
DESIGN OF BANDLIMITED SIGNALS FOR BINARY COMMUNICATION USING SIMPLE CORRELATION DETECTION, FEB 1964
BY SALTZBERG B R
KURZ L
INSTRUMENT AF 19<604>06168
PROJ/TASK 4610 03

AFCRL 64 0292
RADIO CORP OF AMERICA MOORESTOWN NJ
TRANSVERSE FOCAL REGION OF A SPHERICAL REFLECTOR, PART I, MAR 1964
BY SPENCER R C
HYDE G
INSTRUMENT AF 19<628>02758
PROJ/TASK 4600 07

AFCRL 64 0297
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G-HANSCOM FIELD MASS
DIURNAL VARIATION OF THE ATMOSPHERE AROUND 190 KILOMETERS DERIVED FROM SOLAR EXTREME ULTRAVIOLET ABSORPTION MEASUREMENTS - APRIL 1964
J GEOPHYS RES V68 N24 PP6413-6417 15 DEC 1963
BY HALL L A
SCHWEIZER W
HINTEREGGER H E
DDC NUMBER 446732
PROJ/TASK 6688 06

AFCRL 64 0298
BRANDEIS U WALTHAM MASS
PHOTOIONIZATION, ELECTRON-TRAPPING AND PHOTOCONDUCTION IN GLASSES, 2 APR 1964
BY LINSCHITZ H
HEBERT R A
INSTRUMENT AF 19<604>04536
PROJ/TASK 5620 06

AFCRL 64 0322
REPUBLIC AVIATION CORP FARMINGDALE N Y
INITIAL PHASE OF A BASIC SYSTEM STUDY FOR VECTOR MAGNETIC FIELD MEASUREMENTS FROM A JAVELIN ROCKET NOSE CONE, 1 DEC 1962-31 DEC 1963
BY MINNEMAN M J
GRUMET A
DDC NUMBER 442426
INSTRUMENT AF 19<628>02372
PROJ/TASK 7601 03

AFCRL 64 0324
PENNSYLVANIA STATE U UNIVERSITY PARK
RESEARCH IN THE FIELD OF HIGH RESOLUTION INFRARED SPECTROSCOPY, 15 MAR 1964
BY MCCUBBIN T K
INSTRUMENT AF 19<604>05458
PROJ/TASK 8603 01

AFCRL 64 0326
BENDIX CORP BALTIMORE MD
DEVELOPMENT OF THE AN/AMQ-21 MULTICHANNEL RADIOSONDE, JUN 1964
BY ASHFORD S L
GLEISNER W P
INSTRUMENT AF 19<628>02834
PROJ/TASK 6682 01

AFCRL 64 0327
HAWAII U HONOLULU
THE UTILIZATION OF TIROS PICTURES OF SOME SELECTED STUDIES OF TROPICAL METEOROLOGY, APR 1964
BY TAYLOR R C
INSTRUMENT AF 19<604>06156
PROJ/TASK 6698 02

AFCRL 64 0328
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
STUDY OF CESIUM ON REFRACTORY METALS USING FIELD EMISSION MICROSCOPY, APR 1964
BY GUMNICK J L
DALY G J
HILDUM J S
DDC NUMBER 603902
INSTRUMENT AF 19<628>02831
PROJ/TASK 8659 02

AFCRL 64 0333
LITTON SYSTEMS INC MINNEAPOLIS MINN
500-KC ELECTROMAGNETIC NOISE PULSE MEASUREMENTS OF SELECTED VERTICALLY CONVECTING CLOUD DEVELOPMENT 28 FEBRUARY 1964
BY KOHL D A
INSTRUMENT AF 19<628>02781
PROJ/TASK 8620 01

AFCRL 64 0337
UTAH STATE U LOGAN
ONBOARD ANGLE OF ATTACK MEASUREMENT BY OPTICAL MEANS, 1 MAY 1964
BY LAMBERT R H
DDC NUMBER 352363
INSTRUMENT AF 19<628>03241
PROJ/TASK 6327

AFCRL 64 0338
PHYSICAL STUDIES INC KETTERING OHIO
INELASTIC, DISSOCIATIVE AND CHARGE EXCHANGE SCATTERING OF PROTONS BY NITROGEN, 10 MAY 1964
BY BREENE R G JR
INSTRUMENT AF 19<628>02925
PROJ/TASK 7674

AFCRL 64 0339
HARVARD U CAMBRIDGE MASS
THE CIRCULAR LOOP ANTENNA IMMERSED IN A DISSIPATIVE MEDIUM, 3 APR 1964
BY IIZUKA K
INSTRUMENT AF 19<604>07262
PROJ/TASK 7661 05

AFCRL 64 0341
CALIFORNIA U BERKELEY
A STUDY OF FUNDAMENTAL FACTORS PERTINENT TO MICROBIOLOGICAL WASTE CONVERSION IN CONTROL OF ISOLATED ENVIRONMENTS 31 MARCH 1964
BY GOLUEKE C G
OSWALD W J
GEE H K
INSTRUMENT AF 19<628>02462
PROJ/TASK 6694 04

AFCRL 64 0344
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
DOLPH-TCHEBYSCHEFF ARRAYS OF MANY ELEMENTS AND ARBITRARY, UNIFORM SPACING - JUNE 1964
BY DRANE C J JR
DDC NUMBER 605810
PROJ/TASK 4600 06

AFCRL 64 0345
NEW YORK U NEW YORK
ON THE INTRINSIC SHORT-CIRCUIT CURRENT GAIN OF DIFFUSED BASE TRANSISTORS, 14 APR 1964
BY KELLEY J J
GHAUSI M S
INSTRUMENT AF 19<628>00379
PROJ/TASK 5628 06

AFCRL 64 0349
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
RYDBERG ABSORPTION SERIES OF N2 - MAY 1964
CAN J PHYS V40 1962
BY OGAWA M
TANAKA Y
PROJ/TASK 8627 01

AFCRL 64 0353
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
AURORAL ZONE IONOSPHERIC RESEARCH, 20 MAR 1964
BY LISZKA L
EGELAND A
INSTRUMENT AF 61<052>00678
PROJ/TASK 4643 02

AFCRL 64 0355
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
LASER CAVITIES TERMINATED BY DIFFRACTION GRATINGS, MAR 1964
BY RONCHI L
SCHEGGI A M
INSTRUMENT AF 61<052>00536
PROJ/TASK 4600 07
PROJ/TASK 4610 07

AFCRL 64 0357
HARVARD COLL OBSERVATORY CAMBRIDGE MASS
INVESTIGATION OF THE OUTER IONOSPHERE BY OBSERVATIONS OF EXTRATERRESTRIAL LOW-FREQUENCY NOISE IN SPACE VEHICLES, MAR 1964
BY HUGUENIN G R
INSTRUMENT AF 19<604>06120
PROJ/TASK 8605 04

AFCRL 64 0358
LAB NATIONAL D-ESSAIS PARIS FRANCE
THEORETICAL AND EXPERIMENTAL STUDIES OF MOLECULAR SPECTRA, 6 FEB 1964
BY AMAT G
BAILLY M
INSTRUMENT AF 61<052>00369
PROJ/TASK 8603 03

AFCRL 64 0359
MOLECULON RESEARCH CORP CAMBRIDGE MASS
SYNTHESIS AND ELECTRICAL PROPERTIES OF BENZIMIDAZOLES AND HETEROCYCLIC QUINONOID COMPOUNDS, 30 APR 1964
BY ORERMAYER A S — DDC NUMBER 603276
NICHOLS L D — INSTRUMENT AF 19<628>02940
PANAR M — PROJ/TASK 6694 05
HANNAUER C F
TFICH A H
TURRANSKY P

AFCRL 64 0361
KAISER FOUNDATION RESEARCH INST RICHMOND CALIF
STUDY OF PIGMENT SYSTEMS OF PHOTOSYNTHETIC ORGANISMS, 28 APR 1964
BY ALLEN M B
INSTRUMENT AF 19<604>06636
PROJ/TASK 6694 04

AFCPL 64 0363
AMERICAN BOSCH ARMA CORP GARDEN CITY N Y
ON A STUDY OF SPECIFIC METHODS OF MEASURING LUNAR GRAVITY, APR 1964
BY LEVENSTEIN H
SAVET P H — INSTRUMENT AF 19<628>03855
STATEMAN M J — PROJ/TASK 7600 07
WESSBECHER F

AFCPL 64 0365
WASHINGTON STATE U PULLMAN
POLAR HIGH FREQUENCY RADIO PROPAGATION STUDY, 30 JUN 1964
BY CRAINE L B — DDC NUMBER 604248
SCHRADER D H — INSTRUMENT AF 19<628>02488
HADALLER H — PROJ/TASK 4603 04
FLATT W A

AFCRL 64 0366
CALIFORNIA U LOS ANGELES
OPTICAL STUDIES OF THE ATMOSPHERE, APR 1964
BY SEKERA Z
INSTRUMENT AF 19<604>08050
PROJ/TASK 7621 03

AFCRL 64 0367
LIEGE U BELGIUM
INFRARED SPECTRA OF ASTRONOMICAL BODIES, JUN 1963
INSTRUMENT AF 61<052>00685
PROJ/TASK 8603 02

AFCRL 64 0376
STANFORD RESEARCH INST MENLO PARK CALIF
INVESTIGATION OF PROPAGATION-LIMITED COMPUTER NETWORKS APR 1964
BY FLORAS B — DDC NUMBER 603165
GOLDBERG J — INSTRUMENT AF 19<628>02902
MINNICK R C — PROJ/TASK 4641 01
SHORT R A
STONE H S

AFCRL 64 0378
BROWN U PROVIDENCE R I
EXCITATION OF NONLINEAR CURRENTS AND GENERATION OF HARMONIC WAVES IN AN ISOTROPIC PLASMA, JUN 1964
BY TANG T W
WETZEL L
INSTRUMENT AF 19<628>02498
PROJ/TASK 5635 02

AFCRL 64 0381
BROOKLYN POLYTECHNIC INST BROOKLYN NY
THE MAXIMALLY-FLAT DELAY FUNCTION OF LARGE ORDER, 27 JAN 1964
BY DEUTSCH S
INSTRUMENT AF 19<628>03815
PROJ/TASK 4610 07

AFCRL 64 0392
IONOSPHAEREN INST BREISACH WEST GERMANY
FIXED AND VARIABLE FREQUENCY PULSE TRANSMISSION AT OBLIQUE IONOSPHERIC INCIDENCE, 5 DEC 1963
BY BIBL K
INSTRUMENT AF 61<052>00129
PROJ/TASK 5631 03

AFCRL 64 0398
JOHNS HOPKINS U BALTIMORE MD
VACUUM ULTRAVIOLET GRATINGS, 30 APR 1964
BY BOTTEMA M
STRONG J
INSTRUMENT AF 19<604>06139
PROJ/TASK 6687 01
PROJ/TASK 6687 02
PROJ/TASK 6687 06

AFCRL 64 0400
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
ALTITUDE VARIATION OF RAYLEIGH, AEROSOL, AND OZONE ATTENUATING COMPONENTS IN THE ULTRAVIOLET REGION MAY 1964
BY ELTERMAN L
DDC NUMBER 606112
PROJ/TASK 7670 03

AFCRL 64 0401
PENNSYLVANIA STATE U UNIVERSITY PARK
WIND AND TEMPERATURE PROFILES NEAR THE GROUND IN STABLE STRATIFICATION - 30 APRIL 1964
QUART J ROY METEOROL SOC V90 N384 PP136-146 APR 1964
BY MCVEHIL G E
INSTRUMENT AF 19<604>06641
PROJ/TASK 8604 01

AFCRL 64 0402
PENNSYLVANIA STATE U UNIVERSITY PARK
CHANGE OF TERRAIN ROUGHNESS AND THE WIND PROFILE 30 APRIL 1964
QUART J ROY METEOROL SOC V90 N384 PP147-155 APR 1964
BY PANOFSKY H A
TOWNSEND A A
INSTRUMENT AF 19<604>06641
PROJ/TASK 8604 01

AFCRL 64 0404
MASSACHUSETTS INST OF TECH CAMBRIDGE
FAST NEUTRON SPECTROSCOPY AND DOSIMETRY OF THE MIT REACTOR MEDICAL THERAPY FACILITY BEAM, MAY 1964
BY RYDIN R A
RASMUSSEN N C — INSTRUMENT AF 19<604>07492
BROWNELL G L — PROJ/TASK 5620 02

AFCRL 64 0406
NUCLEAR CORP OF AMERICA PHOENIX ARIZ
INVESTIGATION AND STUDY OF RARE-EARTH-DOPED SILICON, APR 1964
BY BELTZ C R
RUTHERFORD R R — INSTRUMENT AF 19<628>02412
CURTIS R L — PROJ/TASK 4608 04

AFCRL 64 0407
PHILCO CORP BLUE BELL PA
A FUNDAMENTAL STUDY OF EPITAXY BY FLASH EVAPORATION, 30 MAR 1964
BY RICHARDS J L
INSTRUMENT AF 19<628>02937
PROJ/TASK 4608 04

AFCPL 64 0408
DECO ELECTRONICS INC CAMBRIDGE MASS
INVESTIGATION OF IONOSPHERIC OBLIQUE SOUNDER DATA, 2 APR 1964
BY DAVIDSON D — DDC NUMBER 602407
GALLANT R M — INSTRUMENT AF 19<628>03267
PROJ/TASK 4603 09

AFCRL 64 0410
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GREENBELT MD
RESEARCH ON THE PRODUCTION AND PHYSICS OF SINGLE CRYSTAL EMITTERS, 20 APR 1964
BY COOMES R A
INSTRUMENT AF 19<604>08434
PROJ/TASK 6694 09

AFCRL 64 0411
APPLIED LOGIC CORP PRINCETON N J
AUTOMATED LOGIC FOR SEMI-AUTOMATED MATHEMATICS, 30 MAR 1964
BY GUARD J R
INSTRUMENT AF 19<628>03250
PROJ/TASK 5632 05

AFCRL 64 0413
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
SMALL SCALE WIND STRUCTURE ABOVE 100 KILOMETERS, MAY 1964
J GEOPHYS RES V69 N4 FEB 1964
BY ZIMMERMAN S P
PROJ/TASK 6690 03

AFCRL 64 0414
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
RESONANCE RADIATION OF AlO FROM TRIMETHYL ALUMINUM RELEASED INTO THE UPPER ATMOSPHERE - MAY 1964
J GEOPHYS RES V69 N7 PP1451-1454 1 APR 1964
BY ROSENBERG N W
GOLOMB D
ALLEN E F JR — PROJ/TASK 7635 03

AFCRL 64 0415
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
POSSIBILITY OF A 26- OR 27-MONTH PERIODICITY IN THE EQUATORIAL GEOMAGNETIC FIELD, MAY 1964
NATURE V201 N4922 P909 FEB 1964
BY SHAPIRO R
WARD F
PROJ/TASK 8604 04

AFCRL 64 0416
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
PHOTO-INDUCED ELECTRON TRANSFER IN DYE-SULPHYDRYL PROTEIN COMPLEX - MAY 1964
NATURE V201 N4925 PP1183-1185 21 MAR 1964
BY FUJIMORI E
PROJ/TASK 8659 03
DDC NUMBER 446733

AFCRL 64 0418
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
IMPROVED CLOSED-SYSTEM EVAPORATION CRYSTALLIZER, MAY 1964
REV SCI INSTR V34 N10 OCT 1963
BY SAMPSON J L
DIPIETRO M A
PROJ/TASK 5621 01

AFCRL 64 0419
COLUMBIA U PALISADES NY
SPHEROIDAL FREE PERIODS OF THE EARTH OBSERVED AT EIGHT STATIONS AROUND THE WORLD, APR 1964
BULL SEISMOLOGICAL SOC AM V54 N2 PP755-776 APR 1964
BY ALSOP L E
INSTRUMENT AF 19<604>07376
PROJ/TASK 8652 03

AFCRL 64 0420
FRANKLIN INST PHILADELPHIA PA
THE MAGNETIC PROPERTIES OF FCC SINGLE CRYSTAL COBALT FILMS, APR 1964
BY DOYLE W D
DDC NUMBER 603720
INSTRUMENT AF 19<628>02415
PROJ/TASK 5635 03

AFCRL 64 0421
PHILCO CORP PHILADELPHIA PA
ADVANCED ANTENNA TECHNIQUES, MAY 1964
BY PROCOPIO L W — DDC NUMBER 602768
KASHIHARA T K — INSTRUMENT AF 19<628>02403
CZORPITA S — PROJ/TASK 4600 06

AFCRL 64 0425
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
CRATER FREQUENCY AND THE INTERPRETATION OF LUNAR HISTORY, MAY 1964
ICARUS V2 N5-6 PP466-480 DEC 63
BY DODD R T JR
SALISBURY J W
SMALLEY V G — PROJ/TASK 8602 05

AFCRL 64 0429
MARYLAND U COLLEGE PARK
A RELATIONSHIP FOR PLASMA SHEATHS ABOUT LANGMUIR PROBES, JAN 1964
BY BETTINGER R T — DDC NUMBER 603008
WALKER H — INSTRUMENT AF 19<628>02792
PROJ/TASK 8605 04

AFCRL 64 0431
MASSACHUSETTS INST OF TECH CAMBRIDGE
STUDY OF THE PHOTOCATALYZED DECOMPOSITION OF WATER AND OF THE MECHANISMS OF INTRAMOLECULAR AND INTERMOLECULAR ELECTRON TRANSFER IN ORGANIC COMPOUNDS - 14 MAY 1964
BY HEIDT L J — INSTRUMENT AF 19<604>05712
PROJ/TASK 6694 01

AFCRL 64 0432
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
INTELLIGIBILITY OF EXCERPTS FROM FLUENT SPEECH AUDITORY VS, STRUCTURAL CONTEXT - MAY 1964
J VERBAL LEARNING VERBAL BEHAVIOR V3 N1 FEB 64 3 PP79-84
BY PICKETT J M
POLLACK I — PROJ/TASK 5628 02

AFCRL 64 0434
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
A STUDY OF TRANSVERSE MODES OF RUBY LASERS USING BEAT FREQUENCY DETECTION AND FAST PHOTOGRAPHY, MAY 1964
BY STICKLEY C M — PROJ/TASK 4645 01

AFCRL 64 0435
AMERICAN SCIENCE AND ENGINEERING INC CAMBRIDGE MASS
A RESEARCH PROGRAM TO INVESTIGATE THE CHARGED PARTICLE FLUX IN THE NEAR-EARTH MAGNETOSPHERE FROM A P-11 SUB-SATELLITE 27 MAY 1964
BY PAOLINI F R
GIACCONI R — INSTRUMENT AF 19<628>02392
WATERS J R — PROJ/TASK 8600 06
QUINN T G JR

AFCRL 64 0436
HARVARD U CAMBRIDGE MASS
RESEARCH ON THE PROPERTIES OF ANTENNAS IN A CONDUCTING MEDIA, 15 APR 1964
BY IIZUKA K — INSTRUMENT AF 19<604>07262
PROJ/TASK 7661 05

AFCRL 64 0438
SASKATCHEWAN U SASKATOON CANADA
SODIUM TWILIGHT AT CHRISTCHURCH, NEW ZEALAND
J ATMOSPHERIC TERREST PHYS V26 PP67-76 1964
BY HUNTEN D M — DDC NUMBER 443155
JONES A V — INSTRUMENT AF 19<628>02829
ELLYETT C D — PROJ/TASK 7661 02
MCLAUCHLAN E C

AFCRL 64 0439
SASKATCHEWAN U SASKATOON CANADA
THE TELLURIC EMISSION SPECTRUM IN THE RANGE 1 MICRON TO 3 MM
MEM SOC ROY SCI LIEGE CINQUIEME SER V9
BY JONES A V — DDC NUMBER 443099
INSTRUMENT AF 19<628>02829
PROJ/TASK 7661 02

AFCRL 64 0441
D BROWN ASSOCIATES INC EAU GALLIE
INVESTIGATION OF THE FEASIBILITY OF SELF-CALIBRATION OF TRACKING SYSTEMS, 29 MAY 1964
BY BROWN D C
BUSH N — INSTRUMENT AF 19<628>03286
SIBOL J — PROJ/TASK 5930 03

AFCRL 64 0442
MANCHESTER U ENGLAND
OBSERVATIONS OF THE FREQUENCY DEPENDENCE OF POLARIZATION OF THE LIGHT OF THE MOON AND OF MARS, 13 JAN 1964
BY CLARKE D — INSTRUMENT AF 61<052>00378
PROJ/TASK 8602 01

AFCRL 64 0443
PUERTO RICO U MAYAGUEZ
IONOSPHERIC PROPAGATION STUDIES, 1 JUN 1964
BY DUENO B — INSTRUMENT AF 19<604>08342
PROJ/TASK 4603 09

AFCRL 64 0444
FACULTE DE SCIENCE DE PARIS ORSAY FRANCE
KINETIC STUDY OF ELECTRONS IN WEAKLY IONIZED GASES FOR ARGON OR GAS MIXTURE ARGON-HYDROGEN, ARGON-CO, SPRING 1964
BY CONSTANTIN A
GODART J — INSTRUMENT AF 61<052>00727
HAMM J J — PROJ/TASK 8647 02
RIOUX R

AFCRL 64 0446
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
LONG LINE AZIMUTHS FROM OPTICAL OBSERVATIONS OF THE ANNA FLASHING SATELLITE - JUNE 1964
BY MANCINI A — DDC NUMBER 446734
PROJ/TASK 7600 02

AFCRL 64 0447
NEW HAMPSHIRE U DURHAM
DIGITAL COMPUTER DESIGN OF THE DIPOLE PARAMETRIC AMPLIFIER ANTENNA, 1 MAY 1964
BY FROST A D — INSTRUMENT AF 19<628>00307
PROJ/TASK 4600 02

AFCRL 64 0448
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
A STUDY OF THE TEMPERATURE DEPENDANCE OF THE TOTAL ABSORPTANCE OF CO NEAR 4.7 MICRON AND 2.3 MICRON, CH FOUR NEAR 3.3 MICRON, MAY 1964
BY VANDERWERF D — DDC NUMBER 442926
INSTRUMENT AF 19<604>06141
PROJ/TASK 7670 03

AFCRL 64 0450
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
PRESSURE AND DENSITY SCALE HEIGHTS DEFINING ATMOSPHERIC MODELS, APR 1964
BY MINZNER R A — DDC NUMBER 602497
INSTRUMENT AF 19<628>01633
PROJ/TASK 7673 01

AFCRL 64 0451
PENNSYLVANIA STATE U UNIVERSITY PARK
THE MEASUREMENT OF PHASE AND AMPLITUDE RADIO WAVE INTERACTION AT UNIVERSITY PARK, PENNSYLVANIA, FOR JANUARY-FEBRUARY-MARCH 1964, 1 MAY 1964
BY FERRARO A J
BY LEE H S — INSTRUMENT AF 19<628>04014
PROJ/TASK 8605 02

AFCRL 64 0452
STANFORD RESEARCH INST MENLO PARK CALIF
A SURVEY AND ASSESSMENT OF PROGRESS IN SWITCHING THEORY AND LOGICAL DESIGN IN THE SOVIET UNION, MAY 1964
BY KAUTZ W H — DDC NUMBER 443860
INSTRUMENT AF 19<628>02903
PROJ/TASK 4641 01

AFCRL 64 0454
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
DESIGN MECHANIZATION OF A PROBLEM-ORIENTED SYMBOL PROCESSOR, 1 MAY 1964
DDC NUMBER 603199
DDC NUMBER 603202
DDC NUMBER 603201
BY SCHAUER R F — DDC NUMBER 603200
NOTZ W — INSTRUMENT AF 19<628>02991
MULLERY A — PROJ/TASK 4641 05

AFCRL 64 0455
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
IONOSPHERIC PERTURBATIONS, SOLAR FLARES, AND GEOMAGNETIC STORMS-CORRELATIONS OBSERVED BY OBLIQUE LONG-RANGE HIGH-FREQUENCY PROBING - JUNE 1964
BY BAKER H R
REILLY A F — PROJ/TASK 4649 01

AFCRL 64 0456
MITHRAS INC CAMBRIDGE MASS
MEASUREMENT OF THE SPIN-FLOPPING RELAXATION TIME IN CU C1 2 POINT 2 H 2 O, JAN 1964
BY NAIMAN C S — DDC NUMBER 604425
LAWRENCE T R — INSTRUMENT AF 19<628>02395
PROJ/TASK 5621 04

AFCRL 64 0457
COPENHAGEN TECH U DENMARK
RADIATION FIELDS ASSOCIATED WITH SHORT-WAVE ANTENNAS IN ARBITRARY LAND-SEA AREAS, APR 1964
BY LARSEN T — INSTRUMENT AF 61<052>00503
PROJ/TASK 5635 02

AFCRL 64 0460
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
A GEOMETRIC STUDY OF COHERENCE PROPERTIES OF PARTIALLY POLARIZED ELECTROMAGNETIC RADIATION, JUN 1964
BY BOLINDER F F — PROJ/TASK 5635 01

AFCRL 64 0461
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
GEOMETRY AND FIRST-ORDER ERROR STATISTICS FOR THREE AND FOUR-STATION HYPERBOLIC FIXES ON A SPHERICAL EARTH JUNE 1964
BY LEWIS E A — DDC NUMBER 605816
PROJ/TASK 4662 05

AFCRL 64 0462
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
CALIBRATION OF A FLYABLE MASS SPECTROMETER FOR N AND O ATOM SENSITIVITY, JUN 1964
BY NARCISI R S
SCHIFF H I
MORGAN J E — PROJ/TASK 6687
COHEN N A

AFCRL 64 0463
MONTANA STATE COLL BOZEMAN
TOWARDS A THEORY OF THE RETICULAR FORMATION - APRIL 1964
BY KILMER W L
MCCULLOCH W S
INSTRUMENT AF 19<628>03807
PROJ/TASK 5632 02

AFCRL 64 0464
MITHRAS INC CAMBRIDGE MASS
TABULATION OF FIRST ORDER MAGNETIC PHASE TRANSITIONS, OCT 1963
BY NAIMAN C S
GILMORE R
INSTRUMENT AF 19<628>02395
PROJ/TASK 5621 04

AFCRL 64 0465
HOWELL WALLACE E INC LEXINGTON MASS
A STUDY OF MIDDLE CLOUD WAVE PATTERNS - 31 MAY 1964
BY LOPEZ M E
RONNING S N
INSTRUMENT AF 19<628>00306
PROJ/TASK 6698 02

AFCRL 64 0467
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS, 5 MAY 1964
BY WOODBURY H H
AVEN M
HEUMANN F K
HALL R N
DDC NUMBER 603783
INSTRUMENT AF 19<628>00329
PROJ/TASK 4608 05

AFCRL 64 0468
GENERAL TELEPHONE AND ELECTRONICS LABS INC BAYSIDE N Y
A STUDY OF ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM RANGE, 30 APR 1964
BY FLORIO J V
BAIRD D H
DDC NUMBER 602489
INSTRUMENT AF 19<628>00331
PROJ/TASK 5634 05

AFCRL 64 0469
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
A PRELIMINARY EVALUATION OF THE CRICKETSONDE ROCKET SYSTEM, JUN 1964
BY KONSTANTINS P
PROJ/TASK 6682 05

AFCRL 64 0470
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
A SYSTEM FOR AUTOMATIC COLLECTION OF GEOMAGNETIC DATA IN DIGITAL FORM, 24 MAR 1964
BY GUSTAFSSON G
ELEMAN F
HEIKKILA K F
INSTRUMENT AF 61<052>00237
PROJ/TASK 8601 02

AFCRL 64 0471
GABRIEL CO ROCKETPOWER INC MESA ARIZ
JUDI-ROBIN BALLOON DART SOUNDING VEHICLE - MAY 1964
BY WATSON C W
INSTRUMENT AF 19<628>02805
PROJ/TASK 6682 06
PROJ/TASK 6670 03

AFCRL 64 0472
NATIONAL BUREAU OF STANDARDS BOULDER COLO
THEORY OF A SLOTTED-SPHERE ANTENNA IMMERSED IN A COMPRESSIBLE PLASMA - PARTS I AND II - 8 MAY 1964
RADIO SCI J RES NBS/USNC-URSI V68D N10 OCT 1964
BY WAIT J R
DDC NUMBER 446366
INSTRUMENT AF 19-PRO-62-201
PROJ/TASK 4600 04

AFCRL 64 0473
NATIONAL BUREAU OF STANDARDS BOULDER COLO
ON RADIATION OF ELECTROMAGNETIC AND ELECTROACOUSTIC WAVES IN PLASMA, 8 JUN 1964
BY WAIT J R
DDC NUMBER 604435
INSTRUMENT PRO-62-201
PROJ/TASK 4600 04

AFCRL 64 0474
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
SOME EFFECTS OF SEMANTIC AND GRAMMATICAL CONTEXT ON THE PRODUCTION AND PERCEPTION OF SPEECH - JUNE 1964
LANGUAGE SPEECH V6 PART 3 PP172-187 JUL-SEP 1963
BY LIEBERMAN P
PROJ/TASK 5628 02

AFCRL 64 0475
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
LASER-SATELLITE REFLECTION PARAMETERS - JUNE 1964
BY ILIFF R L
PROJ/TASK 7600 06

AFCRL 64 0476
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
THE PREPARATION OF HIGH-PURITY BORON VIA THE IODIDE - JUNE 1964
TRANS MET SOC AIME V230 PP350-354 MAR 1964
BY ARMINGTON A F
DILLON G F
MITCHELL R F
PROJ/TASK 5620 01

AFCRL 64 0477
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
INFRARED ABSORPTION OF MAGNESIUM STANNIDE - JUNE 1964
PHYS REV V133 N3A A800-A810 3 FEB 1964
BY LIPSON H G
KAHAN A
PROJ/TASK 5621 04

AFCRL 64 0478
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
AREA PROPERTIES OF TELEVISION PICTURES - JUNE 1964
BY NISHIKAWA S
MASSA R J
MOTT-SMITH J C
PROJ/TASK 4610 07

AFCRL 64 0479
BITTERLICH W INNSBRUCK AUSTRIA
FIELD STRENGTH METER FOR VLF WAVES, 1 APR 1964
BY BITTERLICH W
INSTRUMENT AF 61<052>00490
PROJ/TASK 4600 08

AFCRL 64 0481
CATHOLIC U OF AMERICA WASHINGTON D C
EXPERIMENTAL STUDY OF THE ABSORPTION IN DISTILLED WATER, ARTIFICIAL SEA WATER, AND HEAVY WATER IN THE VISIBLE REGION OF THE SPECTRUM - 1 JUNE 1964
J OPT SOC AM V53 N8 PP962-968 AUG 1963
BY SULLIVAN S A
INSTRUMENT AF 19<604>05558
PROJ/TASK 7670 03

AFCRL 64 0482
ALMQVIST & WIKSELL GOTEBORG-UPPSALA STOCKHOLM SWEDEN
SOME DIFFERENT TYPES OF WHISTLERS IN RELATION TO SIMULTANEOUS THUNDERSTORM ACTIVITY, 1963
ARKIV GEOFYSIK BAND 4 UR 14
BY NORINDER H
KNUDSEN F
INSTRUMENT AF 61<052>00007
PROJ/TASK 7663 05

AFCRL 64 0483
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
HORIZONTAL AND VERTICAL DISTRIBUTIONS OF ATMOSPHERIC DENSITY, UP TO 90 KM - JUNE 1964
BY COLE A E
KANTOR A J
PROJ/TASK 8624 01

AFCRL 64 0484
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
THE INFRARED TELLURIC ABSORPTION SPECTRUM INTRODUCTORY REPORT, JUN 1964
MEM SOC ROY SCI LIEGE SER5 V9
BY HOWARD J N
GARING J S
PROJ/TASK 7670 02

AFCRL 64 0485
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
ON THE OPTIMUM DESIGN OF MULTIPATH SIGNALS, JUN 1964
BY BERSHAD N J
PROJ/TASK 5628 01

AFCRL 64 0486
WALES U COLL ABERYSTWYTH
MOLECULAR PARAMETERS AND BOND STRUCTURE PART 2, CARBON-HYDROGEN BONDS IN CH_3X AND CH_2XY MOLECULES, 9 APR 1964
BY JONES R G
LADD J A
ORVILLE-THOMAS W J
INSTRUMENT AF 61<052>00691
PROJ/TASK 8603 03

AFCRL 64 0487
MILAN U ITALY
MEASUREMENT OF THE COSMIC RAY NEUTRON FLUX AT 45 DEGREE GEOMAGNETIC LATITUDE, 11 MAY 1964
BY BOELLA G
ANTONI G D
DILWORTH C
PANETTI M
SCARSI L
SHAPIRO D
INSTRUMENT AF EOAR GRANT 63-106
PROJ/TASK 8600 03

AFCRL 64 0488
UPPSALA U SWEDEN
RELATIONS BETWEEN LIGHTNING DISCHARGES AND DIFFERENT TYPES OF MUSICAL ATMOSPHERICS
BY NORINDER H
INSTRUMENT AF 61<052>00171
PROJ/TASK 5631 01

AFCRL 64 0489
CENTRE NATIONAL D-ETUDES DE LA RECHERCHE SCIENTIFIQUE
PARIS FRANCE
FAR INFRARED SPECTRA OF CRYSTALS AND SOLIDS IN A LARGE RANGE OF TEMPERATURES, 15 MAY 1964
BY LECOMTE J
HADNI A
INSTRUMENT AF 61<052>00518
PROJ/TASK 5634 03

AFCRL 64 0490
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
AN INTERPRETATION OF THE FAR-FIELD EFFECTS OF A ROCKET IN THE IONOSPHERE <U> - JUNE 1964
BY CONLEY T D
HIGGINS J F
DDC NUMBER 353184
PROJ/TASK 4649 01

AFCRL 64 0492
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
A RADON-NIKODYM THEOREM IN DIMENSION LATTICES - JUNE 1964
TRANS AM MATH SOC V108 N1 PP66-87 JUL 1963
BY HOLLAND S S JR
PROJ/TASK 5632 02

AFCRL 64 0493
WASHINGTON U SEATTLE
LIQUID FILM HYGROMETRY - MAY 1964
BY CHARLSON R J
BUETTNER K J K
INSTRUMENT AF 19<628>00303
PROJ/TASK 6020 02

AFCRL 64 0497
COLORADO U BOULDER
EXCITATION OF CHROMOSPHERIC MG I - AUGUST 1964
ASTROPHYS J V137 N2 PP601-605 15 FEB 1963
BY ATHAY R G
HOUSE L L
DDC NUMBER 447628
INSTRUMENT AF 19<604>06664
PROJ/TASK 7649 02

AFCRL 64 0498
COLORADO U BOULDER
EXCITATION OF CHROMOSPHERIC HE I - AUGUST 1964
ASTROPHYS J V137 N3 PP931-944 1 APR 1963
BY ATHAY R G
DDC NUMBER 448298
INSTRUMENT AF 19<604>06664
PROJ/TASK 7649 02

AFCRL 64 0499
COLORADO U BOULDER
DEPTH OF FORMATION OF MG I LINES IN THE SOLAR ATMOSPHERE
AUGUST 1964
ASTROPHYS J V138 N3 PP680-692 1 OCT 1963
BY ATHAY R G
DDC NUMBER 447738
INSTRUMENT AF 19<604>06664
PROJ/TASK 7649 02

AFCRL 64 0500
COLORADO U BOULDER
THERMALLY DRIVEN CIRCULATIONS - AUGUST 1964
BEITR PHYSIK ATMOSPHARE 35 3/4 1962
BY HAURWITZ B
DDC NUMBER 447739
INSTRUMENT AF 19<604>05488
PROJ/TASK 8604 05

AFCRL 64 0501
COLORADO U BOULDER
THE EFFECT OF STRATOSPHERIC TRANSPORT PROCESSES ON THE
OZONE DISTRIBUTION - AUGUST 1964 OZONE VARIATIONS AND
THEIR RELATION TO STRATOSPHERIC WARMINGS - AUGUST 1964
METEOROL ABHANDL PROC INTERN SYMP STRATOSPHERIC
MESOSPHERIC CIRCULATION 20-31 AUG 1962
BY LONDON J
PRABHAKARA C
DDC NUMBER 606141
INSTRUMENT AF 19<604>05488
PROJ/TASK 8604 05

AFCRL 64 0502
COLORADO U BOULDER
THE POSITION AND SIGN OF JUPITERS MAGNETIC MOMENT
AUGUST 1964
ASTROPHYS J V137 NY 15 MAY 1963
BY WARWICK J W
DDC NUMBER 448295
INSTRUMENT AF 19<628>00224
PROJ/TASK 5629 02

AFCRL 64 0503
CALIFORNIA RESEARCH CORP LA HABRA CALIF
ANALYSIS OF A PROGRAM FOR COMPUTING THEORETICAL
SEISMOGRAMS FOR MULTILAYERED MEDIA, 14 APR 1964
BY SQUIER D P
INSTRUMENT AF 19<604>08344
PROJ/TASK 8652 05

AFCRL 64 0505
OSLO U NORWAY
SOME STABILITY PROPERTIES OF A MATERIAL LAYER MODEL
OF THE ATMOSPHERE, 1 FEB 1964
BY BLUMEN W
INSTRUMENT AF 61<052>00525
PROJ/TASK 6020 04

AFCRL 64 0506
OSLO U NORWAY
A METHOD OF BALANCING INITIAL DATA FOR A MATERIAL-LAYER
MODEL OF THE ATMOSPHERE, 9 MAR 1964
BY ELIASSEN A
GRAMMELTVEDT A
INSTRUMENT AF 61<052>00525
PROJ/TASK 6020 04

AFCRL 64 0507
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
LONG RANGE PROPAGATION STUDIES, 8 MAY 1964
BY FOLKESTAD K
INSTRUMENT AF 61<052>00610
PROJ/TASK 4603 09

AFCRL 64 0508
WALES U COLL ABERYSTWYTH
MOLECULAR PARAMETERS AND BOND STRUCTURES PART 3,
CARBON-OXYGEN BONDS, 8 MAY 1964
BY LADD J A
ORVILLE-THOMAS W J
COX B C
INSTRUMENT AF 61<052>00691
PROJ/TASK 8603 03

AFCRL 64 0509
COPENHAGEN TECH U DENMARK
NUMERICAL COMPUTATIONS BASED DIRECTLY ON THE COMPENSATION
THEOREM OF THE SKY WAVE FIELD FROM A DIPOLE IN AN
ARBITRARY FLAT MIXED LAND-SEA AREA, MAR 1964
BY LARSEN T
INSTRUMENT AF 61<052>00503
PROJ/TASK 5635 02

AFCRL 64 0510
FARKE MATHEMATICAL LABS INC CARLISLE MASS
MADCAP, MAMMOTH DECIMAL ARITHMETIC PROGRAM FOR THE
PDP-1 COMPUTER, JUN 1964
BY MYRVAAGNES E
INSTRUMENT AF 19<628>03826
PROJ/TASK 5628 01

AFCRL 64 0511
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
PLASMA PRODUCED ANTENNA PATTERN DISTORTION - JUNE 1964
BY JACAVANCO D J
PROJ/TASK 4642 02

AFCRL 64 0513
ROYAL INST OF TECH STOCKHOLM SWEDEN
AVAILABLE AC POWER FROM AN ACTIVE REAL TWO-TERMINAL
DEVICE, JUN 1963
IEEE TRANS PROFESS TECH GROUP CIRCUIT THEORY V CT-10 N2
JUN 1963
BY LEINE P O
INSTRUMENT AF EOAR 61-43
PROJ/TASK 5632 03

AFCRL 64 0514
ROYAL INST OF TECH STOCKHOLM SWEDEN
BASIC STUDIES ON AMPLIFICATION AND GENERATION OF
SIGNALS IN ELECTRONICAL CIRCUIT STOCKHOLM, 27 APR 1964
BY LEINE P O
INSTRUMENT AF EOAR 61-43
PROJ/TASK 5632 03

AFCRL 64 0515
GENERAL DYNAMICS CORP GENERAL ATOMICS DIV SAN DIEGO CALIF
ANALYSIS OF IONIC AND NEUTRAL SPECIES IN THERMAL PLASMAS
24 AUGUST 1964
BY FINEMAN M A
INSTRUMENT AF 19<628>03242
PROJ/TASK 6694 09

AFCRL 64 0517
BAYLOR U WACO TEX
AN INVESTIGATION OF THE MECHANISM OF ELECTROLYTIC OXIDATION
OF ORGANIC COMPOUNDS AND OF COMPETITIVE PROCESSES
INVOLVING HYDROGEN AT THE SURFACE OF THE SOLID METAL
ELECTRODES - JUNE 1964
BY FRANKLIN T C
FRANKLIN N F
LIANG C
MATUSUDA F
MCCLELLAND D
CHIU Y-C
KAWAMATA M
MCDANIEL A
ITOH T
INSTRUMENT AF 19<604>08414
PROJ/TASK 6694 06

AFCRL 64 0519
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 III, FLIGHT-TIME SHIFT EQUATIONS FOR
SPURIOUS FRAGMENT PEAKS ARISING FROM CHARGE TRANSFER AND
DISSOCIATION REACTIONS OCCURRING INSIDE THE POTENTIAL
BARRIER - JUNE 1964
BY HUNT W W JR
DDC NUMBER 605811
PROJ/TASK 7635 03

AFCRL 64 0520
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
EVALUATION OF 1960 SEISMICITY - JUNE 1964
BY FISHER R L
BAKER R G
GUIDROZ R R
PROJ/TASK 8652 07

AFCRL 64 0521
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
BE7, P32, P33, AND S35 STRATOSPHERIC CONCENTRATIONS AND
ARTIFICIAL PRODUCTION - JULY 1964
J GEOPHYS RES V69 N8 PP1457-1467 15 APR 1964
BY DREVINSKY P J
WASSON J T
COUBLE E C
DIMOND N A
PROJ/TASK 7690 01

AFCRL 64 0523
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
THE STATISTICS OF SATELLITE SCINTILLATIONS AT A SUBAURORAL
LATITUDE - JULY 1964
J GEOPHYS RES V69 N9 1 MAY 1964
BY AARONS J
MULLEN J
BASU S
PROJ/TASK 4643 02

AFCRL 64 0524
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
THE MATHEMATICAL EQUIVALENCE OF MULTI-LEVEL AND VERTICALLY
INTEGRATED NUMERICAL FORECASTING MODELS - JULY 1964
TELLUS V15-U4 NOV 1963
BY BERKOFSKY L
PROJ/TASK 8628 03

AFCRL 64 0525
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
LOW ENERGY CHARGE EXCHANGE AND ION-MOLECULE REACTIONS
JULY 1964
ANN GEOPHYS BOOK 20 PP75-87 JAN-MAR 1964
BY PAULSON J F
PROJ/TASK 7635 04

AFCRL 64 0526
AVCO CORP WILMINGTON MASS
EXTENSION OF THE METHOD OF NORMAL MODES TO WAVE PROPAGATION
IN AN ALMOST-STRATIFIED MEDIUM - JUNE 1964
BY PIERCE A D
INSTRUMENT AF 19<628>03891
PROJ/TASK 7637 02

AFCRL 64 0528
BRANDEIS U WALTHAM MASS
THE THERMAL AND ELECTRICAL CONDUCTIVITY OF COOLING STELLAR PLASMA EMITTING NEUTRINOS, 10 JUN 1964
BY KANG I K
GOLDSTEIN J S
DDC NUMBER 603868
INSTRUMENT AF 19<604>07283
PROJ/TASK 8608 05

AFCRL 64 0529
PENNSYLVANIA STATE U UNIVERSITY PARK
METHODS FOR OBTAINING ELECTRON DENSITY PROFILES FROM CAPACITIVE IONOSPHERIC ROCKET PROBES, 15 MAY 1964
BY CROUSE P F
DDC NUMBER 603625
INSTRUMENT AF 19<628>04050
PROJ/TASK 8653 02

AFCRL 64 0530
NATIONAL ELECTRONICS INSTITUTE SPAIN
MEASUREMENTS OF THE 5 KC RADIO NOISE NEAR MADRID, 15 MAY 1964
BY SCHLAYER C F
INSTRUMENT AF 61<052>00513
PROJ/TASK 5631 08

AFCRL 64 0531
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
RESEARCH ON CHARACTERISTICS AND EFFECTS OF SEVERE STORMS, MAY 1964
BY LUDLAM F H
ATLAS D
MACKLIN W C
BROWNING K A
GREEN J S A
HOOKINGS G
MOSSOP S C
HARNEY P J
CARLSON T
PETROCCHI P
INSTRUMENT AF 61<052>00254
PROJ/TASK 8620 04

AFCRL 64 0532
CHALMERS INST OF TECH GOTHENBURG SWEDEN
MICROSCOPIC TREATMENT OF THE INTERACTION BETWEEN A PLANE ELECTROMAGNETIC WAVE AND AN OSCILLATING MEDIUM, MAR 1964
BY THOMASSON A R
INSTRUMENT AF 61<052>00451
PROJ/TASK 4603 02

AFCRL 64 0533
CHALMERS INST OF TECH GOTHENBURG SWEDEN
GENERATION OF LONGITUDINAL PLASMA WAVES BY NONLINEAR COUPLING OF TWO HIGH-POWER CIRCULARLY POLARIZED TRANSVERSE WAVES, 1 APR 1964
BY WILHELMSSON K H B
INSTRUMENT AF 61<052>00451
PROJ/TASK 4603 02

AFCRL 64 0534
CHALMERS INST OF TECH GOTHENBURG SWEDEN
CERENKOV EFFECT IN A PRE-OSCILLATING MEDIUM, 1 APR 1964
BY WILHELMSSON K H B
THOMASSON A R
INSTRUMENT AF 61<052>00451
PROJ/TASK 4603 02

AFCRL 64 0535
CHALMERS INST OF TECH GOTHENBURG SWEDEN
THE MAGNETO-IONIC THEORY FOR MASS-ANISOTROPIC ELECTRONS, 1 APR 1964
BY WILHELMSSON K H B
INSTRUMENT AF 61<052>00451
PROJ/TASK 4603 02

AFCRL 64 0536
BITTERLICH W INNSBRUCK AUSTRIA
CURRENT DISTRIBUTION OF HEMISPHERICAL ELECTRODES IN A HOMOGENEOUS SEMISPACE, 15 MAY 1964
BY TINHOFER G
BITTERLICH W
INSTRUMENT AF 61<052>00490
PROJ/TASK 4600 08

AFCRL 64 0538
CALIFORNIA INST OF TECH PASADENA
LASER ELECTROMAGNETICS - 1 JULY 1964
BY GEORGE N
INSTRUMENT AF 19<604>08052
PROJ/TASK 4600 06

AFCRL 64 0539
UNITED AIRCRAFT CORP EAST HARTFORD CONN
RESEARCH OF ASPECTS OF MASS TRANSPORT NEAR THE THREE-PHASE ZONE OF AN OXYGEN ELECTRODE - 30 JUNE 1964
BY URBACH H B
MCMAHON D G
INSTRUMENT AF 19<628>03234
PROJ/TASK 8659 04

AFCRL 64 0540
ADVANCED METALS RESEARCH CORP BURLINGTON MASS
EXTRA-TERRESTRIAL PARTICLES - 30 APRIL 1964
BY PLANSKY M
CARNEVALE R F
INSTRUMENT AF 19<628>02761
PROJ/TASK 7667 03

AFCRL 64 0541
ANDREW ALFORD CONSULTING ENGINEERS BOSTON MASS
EXPERIMENTAL STUDY OF THE BACK SCATTERING FROM CONDUCTING OBJECTS IN THE RANGE OF ONE QUARTER TO ONE WAVELENGTH IN SIZE - APRIL 1964
BY FLOOD D P
FIELD J C
DDC NUMBER 606087
INSTRUMENT AF 19<628>02456
PROJ/TASK 4600 04

AFCRL 64 0545
ROYAL INST OF TECH STOCKHOLM SWEDEN
DISSOCIATION OF METHANE MOLECULE IONS FORMED IN CHARGE EXCHANGE COLLISIONS WITH POSITIVE IONS. ION-MOLECULE REACTIONS OF METHANE, 6 APR 1964
BY VON KOCH H
INSTRUMENT AF EOAR 63-68
PROJ/TASK 7635 04

AFCRL 64 0546
DURHAM U ENGLAND
RESEARCH ON THERMAL CONVECTION IN ROTATING FLUIDS AND ON ROTATING BAROTROPIC FLUIDS, JUL 1962
BY HIDE R
BOWDEN M
EDEN H F
FOWLIS W W
IBBETSON A
TITMAN C W
INSTRUMENT AF 61<052>00216
PROJ/TASK 8604 03

AFCRL 64 0547
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
MEASUREMENT OF NOISE FIGURE OF AN X-BAND WAVEGUIDE MIXER WITH TUNNEL DIODE - JULY 1964
BY BLAESER G H
DDC NUMBER 605812
PROJ/TASK 4600 09

AFCRL 64 0549
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
SHEAR DEFORMATION OF UPPER MANTLE MINERAL ANALOGUES TESTS TO 55 KB AT 270C - JULY 1964
BY RIECKER R E
SEIFERT K E
DDC NUMBER 606118
PROJ/TASK 8652 11

AFCRL 64 0551
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
SOME NUMERICAL RESULTS OF A MODEL INVESTIGATION OF THE ATMOSPHERIC RESPONSE TO UPPER-LEVEL HEATING - JULY 1964
PLANET SPACE SCI V12 PP219-225 1964
BY BERKOFSKY L
SHAPIRO R
PROJ/TASK 8628 03

AFCRL 64 0552
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
ELECTRICAL PROCESSES IN THE NIGHTTIME EXOSPHERE, JUL 1964
GEOPHYS RES V69 N9 MAY 1964
BY SAGALYN RC
SMIDDY M
PROJ/TASK 8617 01

AFCRL 64 0553
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
RADIOACTIVITY IN SPUTNIK 4 FRAGMENT - JULY 1964
J GEOPHYS RES V69 N11 1JUN 1964
BY WASSON J T
PROJ/TASK 7690 03

AFCRL 64 0554
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
FALLING SPHERE MEASUREMENTS OF ATMOSPHERIC DENSITY, TEMPERATURE, AND PRESSURE, UP TO 115 KM - JULY 1964
BY CHAMPION K S W
FAIRE A C
PROJ/TASK 6690 01

AFCRL 64 0555
TENNESSEE U KNOXVILLE
INVESTIGATION OF THIN WIRE CIRCULAR LOOP ANTENNAS AND ELECTRONICALLY SCANNED CIRCULAR ARRAYS, 30 JUN 1964
BY NEFF H P
HICKMAN C E
TILLMAN J D
DDC NUMBER 603966
INSTRUMENT AF 19<628>00288
PROJ/TASK 4600 02

AFCRL 64 0558
NEW HAMPSHIRE U DURHAM
DESIGNING DC-DC CONVERTERS FOR HIGH EFFICIENCY AT LOW POWER - JUNE 1964
BY HIGGINS J A
TRAINOR J H
INSTRUMENT AF 19<628>02352
PROJ/TASK 8600 03

AFCRL 64 0560
MINNESOTA U MINNEAPOLIS
BASIC PHENOMENA IN THERMIONIC ENERGY CONVERTERS FOR PERIOD 1 FEBRUARY 1961 TO 1 NOVEMBER 1963 - JUNE 1964
BY OSKAM H J
INSTRUMENT AF 19<604>08072
PROJ/TASK 6694 09

AFCRL 64 0562
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
GEODETIC POSITIONING FROM SIMULTANEOUS OPTICAL OBSERVATIONS OF THE ANNA 1-B SATELLITE - JULY 1964
BY SHELDON L L
ECKHARDT D H
PROJ/TASK 7600 06

AFCRL 64 0564
CARDIFF U COLL GREAT BRITAIN
RESEARCH ON RECOMBINATION AND FLUCTUATION THEORY IN SEMICONDUCTORS, 31 MAY 1964
BY LANDSBERG P T
EVANS D A
INSTRUMENT AF 61<052>00664
PROJ/TASK 4645 02

AFCRL 64 0565
PHYSICAL METEOROLOGICAL OBSERVATORY DAVOS PLATZ SWITZERLAND
INVESTIGATION ON THE INFLUENCE OF CLOUDS ON ULTRAVIOLET SKY RADIATION <AT 330 MU AND 370 MU>, MAR 1964
BY BENER P
INSTRUMENT AF 61<052>00618
PROJ/TASK 7621 03

AFCRL 64 0566
OHIO STATE U COLUMBUS
RESEARCH DIRECTED TOWARD A FEASIBILITY STUDY DEALING WITH THE INTEGRATION OF GRAVITY DATA - JUNE 1964 METHODS OF PHYSICAL GEODESY - JUNE 1964 A REVIEW ON CLOSE SATELLITE THEORY - JUNE 1964 THE GEODETIC APPLICATIONS OF SATELLITES - JUNE 1964 SATELLITE PERTURBATIONS DUE TO ZONAL GRAVITATIONAL HARMONICS - JUNE 1964 ON THE ACCURACY OF SPHERICAL HARMONICS AND ORBITAL PREDICTIONS JUNE 1964
BY HEISKANEN W A
MORITZ H
MUELLER I I
RAPP R H
DDC NUMBER 605654
INSTRUMENT AF 19<628>01628
PROJ/TASK 7600 02

AFCRL 64 0567
LUDWIG-MAXIMILIANS U MUCHEN GERMANY
INVESTIGATION OF THE INFRARED EMISSION SPECTRUM OF THE ATMOSPHERE AND EARTH, 15 MAR 1964
BY BOLLE H J
KUERS G
MOLLER F
QUENZEL H
INSTRUMENT AF 61<052>00418
PROJ/TASK 8603 02

AFCRL 64 0568
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN AND
CASE INST OF TECH CLEVELAND OHIO
A STUDY OF AURORAL ZONE IONOSPHERIC IRREGULARITIES NETWORK SYNTHESIS THROUGH HYBRID MATRICES - 18 AUGUST 1964 MADE SIMULTANEOUSLY AT TROMSO, NORWAY AND KIRUNA, SWEDEN, 20 MAY 1964
BY FRIHAGEN J
BY DUFFIN R J
LISZKA L
HAZONY D
MORRISON N
INSTRUMENT AF 61<052>00678
INSTRUMENT AF 19<628>01699
PROJ/TASK 4643 02
PROJ/TASK 5635 02

AFCRL 64 0569
LIEGE U BELGIUM
CELESTIAL SPECTRA AND ATMOSPHERIC EFFECTS MAINLY IN THE INFRARED, 31 MAY 1964
BY MIGEOTTE M
INSTRUMENT AF 61<052>00685
PROJ/TASK 8603 02

AFCRL 64 0570
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
MORPHOLOGY OF THE VISIBLE AURORA, ITS RELATION TO MAGNETIC VARIATIONS AND COSMIC NOISE ABSORPTION, 21 MAY 1964
BY GUSTAFSSON G
INSTRUMENT AF 61<052>00288
PROJ/TASK 8653 02

AFCRL 64 0571
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
SPECTROPHOTOMETRIC STUDIES OF AURORA, 5 JUN 1964
BY GUSTAFSSON G
INSTRUMENT AF 61<052>00288
PROJ/TASK 8653 02

AFCRL 64 0572
BRANDEIS U WALTHAM MASS
THEORETICAL STUDIES IN ASTROPHYSICS - 30 JUNE 1964
BY GOLDSTEIN J S
INSTRUMENT AF 19<604>07283
PROJ/TASK 8608 05

AFCRL 64 0573
OHIO STATE U COLUMBUS
ON THE ACCURACY OF THE COEFFICIENTS IN A SERIES OF SPHERICAL HARMONICS - APRIL 1964
BY STRANG VAN HEES G L
INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0574
OHIO STATE U COLUMBUS
ON FREE AIR ANOMALIES ESTIMATED FROM DIFFERENT MODELS MAY 1964
BY GROTEN E
INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0575
OHIO STATE U COLUMBUS
THE PREDICTION OF POINT AND MEAN GRAVITY ANOMALIES THROUGH THE USE OF A DIGITAL COMPUTER - JUNE 1964
BY RAPP R H
DDC NUMBER 605949
INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0576
OHIO STATE U COLUMBUS
ON GRAVITY REDUCTIONS - JUNE 1964
BY GROTEN E
DDC NUMBER 605950
INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCRL 64 0578
ROYAL INST OF TECH STOCKHOLM SWEDEN
DISSOCIATION OF ETHANE MOLECULE IONS FORMED IN CHARGE EXCHANGE COLLISIONS WITH POSITIVE IONS. ION-MOLECULE REACTIONS OF ETHANE, 30 APR 1964
BY VON KOCH H
INSTRUMENT AF EOAR 63-68
PROJ/TASK 7635 04

AFCRL 64 0581
MOTOROLA INC PHOENIX ARIZ
RESEARCH AND DEVELOPMENT FOR SEMICONDUCTOR SURFACE CONTROL AND STABILIZATION - 14 MAY 1964
BY KANG K D
LEE F
COOPER H W
DDC NUMBER 605566
INSTRUMENT AF 19<628>03808
PROJ/TASK 4608 05

AFCRL 64 0583
OHIO STATE U COLUMBUS
EMISSION SPECTRUM OF NITRIC OXIDE IN THE NEAR INFRARED, MAY 1964
BY HORN E F
DDC NUMBER 604445
INSTRUMENT AF 19<604>06150
PROJ/TASK 7670 02

AFCRL 64 0584
AF CAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB L G HANSCOM FIELD MASS
THE EVOLUTION OF TEMPERATURE AND VELOCITY PROFILES DURING BREAKDOWN OF A NOCTURNAL INVERSION AND A LOW-LEVEL JET JULY 1964
J APPL METEOROLOGY V3 N1 PP70-82 FEB 1964
BY IZUMI Y
DDC NUMBER 447377
PROJ/TASK 7655 01

AFCRL 64 0587
ELECTROMAGNETIC RESEARCH CORP COLLEGE PARK MD
A STUDY OF METEOROLOGICAL PHENOMENA AS RELATED TO THE ERRORS IN RADIO INTERFEROMETER TRACKING SYSTEMS 15 JUN 1964
BY RINGWALT D L
DDC NUMBER 603510
INSTRUMENT AF 19<628>02818
PROJ/TASK 5930 07

AFCRL 64 0589
AF CAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
A COMPUTER APPROACH TO LASER DESIGN - JULY 1964
IEEE TRANS ELECTRON DEVICES PP219-228 MAY 1964
BY PURNHAGEN T G
LUBELFELD J
DDC NUMBER 447344
PROJ/TASK 5635 03

AFCRL 64 0590
AF CAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
APPARENT SKY TEMPERATURES AT MILLIMETER-WAVE FREQUENCIES JULY 1964
BY WULFSBERG K N
DDC NUMBER 605813
PROJ/TASK 4600 09

AFCRL 64 0591
AF CAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
OBSERVATION OF 2+ 1 CHARGE TRANSFER IN A TOF MASS SPECTROMETER JULY 1964
BY HUNT W W JR
MCGEE K E
DDC NUMBER 605814
PROJ/TASK 8605 07

AFCRL 64 0596
HARVARD U CAMBRIDGE MASS
MEASUREMENTS OF RADIO NOISE AT 0.700 MC AND 2.200 MC FROM A HIGH-ALTITUDE ROCKET PROBE, JUL 1964
BY HUGUENIN G R
LILLEY A E
MCDONOUGH W H
PAPAGIANNIS M D
DDC NUMBER 604366
INSTRUMENT AF 19<628>03890
PROJ/TASK 8605 05

AFCRL 64 0597
WESTINGHOUSE RESEARCH LABS PITTSBURGH PA
RESONANCE MODES AT DEFECTS IN CRYSTALLINE QUARTZ - 17 JUNE 1964
BY FELDMAN D W
CASTLE J G JR
DDC NUMBER 606051
INSTRUMENT AF 19<628>03838
PROJ/TASK 4608 01

AFCRL 64 0600
DEUTSCHER WETTERDIENST OFFENBACH WEST GERMANY
RESEARCH IN OBJECTIVE WEATHER FORECASTING, 1 JUL 1961-31 DEC 1963
BY HINKELMANN K
RHEIN S
SCHANZ P
REISER H
EDELMANN W
HASELBERG K V
INSTRUMENT AF 61<052>00373
PROJ/TASK 8628

AFCRL 64 0601
NORWEGIAN INST OF COSMIC PHYSICS
STUDIES OF LOCAL MORPHOLOGY, STRUCTURE AND DYNAMICS OF AURORA, 1 MAR 1963-31 MAY 1964
BY HARANG L
OMHOLT A
HARANG O
INSTRUMENT AF 61<052>00680
PROJ/TASK 8605 03

AFCRL 64 0604
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
MANY ELEMENT LASERS, APR 1964
BY PRATESI R
RONCHI L
TORALDO DI FRANCIA G
INSTRUMENT AF 61<052>00720
PROJ/TASK 5635 01

AFCRL 64 0607
UNITED ELECTRODYNAMICS INC ALEXANDRIA VA
WEATHER-SEISMIC-NOISE CORRELATION STUDY, 31 JUL 1964
BY BRADFORD J C
SHUMWAY R H
GRIFFIN J N
DDC NUMBER 444069
INSTRUMENT AF 19<628>00230
PROJ/TASK 8652 04

AFCRL 64 0608
CALIFORNIA RESEARCH CORP LA HABRA CALIF
THE REFRACTED ARRIVAL FROM A LAYER - 15 JUNE 1964
BY SPENCER T W
INSTRUMENT AF 19<604>08344
PROJ/TASK 8652 05

AFCRL 64 0609
HARVARD U FORT DAVIS TEXAS
RADIO EVIDENCE FOR SOLAR CORPUSCULAR EMISSION - JULY 1964
PLANETARY SPACE SCI V12 PP435-449 1964
BY MAXWELL A
DEFOUW R J
CUMMINGS P
INSTRUMENT AF 19<628>02370
PROJ/TASK 7649 06

AFCRL 64 0611
PENNSYLVANIA STATE U UNIVERSITY PARK
TECHNIQUES FOR THE DETERMINATION OF REFLECTION COEFFICIENT AND VIRTUAL HEIGHT OF LOW FREQUENCY RADIO WAVES 20 JULY 1964
BY TOU C P
DDC NUMBER 447109
INSTRUMENT AF 19<628>04014
PROJ/TASK 8605 02

AFCRL 64 0612
COLORADO U BOULDER
DYNAMICS OF THE UPPER ATMOSPHERE - 31 JULY 1964
BY HAURWITZ B
LONDON J
DDC NUMBER 605916
INSTRUMENT AF 19<604>05488
PROJ/TASK 8604 05

AFCRL 64 0614
ST LOUIS U MO
SOME EFFECTS OF A LAYERED SYSTEM ON DILATIONAL WAVES 31 JULY 1964
BY HANNON W J
INSTRUMENT AF 19<604>07399
PROJ/TASK 8652 01

AFCRL 64 0615
OSLO U NORWAY
TRUE, ORDINARY AND EFFECTIVE THERMAL CONDUCTIVITY TENSORS FOR A LORENTZ-TYPE HYDROGEN GAS, 1964
ASTROPHYSICA NORVEGICA V8 N3
BY WYLIER A A
INSTRUMENT AF 61<052>00186
PROJ/TASK 7649 04

AFCRL 64 0616
OSLO U NORWAY
COMPLETE COLLISIONAL EFFECTS IN THE THERMAL CONDUCTIVITY TENSORS FOR A FULLY IONIZED HYDROGEN GAS, 1964
ASTROPHYSICA NORVEGICA V8 N4
BY WYLIER A A
INSTRUMENT AF 61<052>00186
PROJ/TASK 7649 04

AFCRL 64 0617
OSLO U NORWAY
MASS LOSSES THROUGH EVAPORATION FROM A COMPLETELY IONIZED ATMOSPHERE WITH APPLICATIONS TO THE SOLAR CORONA, 1964
ASTROPHYSICA NORVEGICA V8 N5
BY JENSEN E
INSTRUMENT AF 61<052>00186
PROJ/TASK 7649 04

AFCRL 64 0618
OSLO U NORWAY
SECULAR VARIATIONS OF INTERMITTENT AND REVIVAL SUNSPOT GROUPS, 1964
ASTROPHYSICA NORVEGICA V8 N6
BY RINGNES T S
INSTRUMENT AF 61<052>00186
PROJ/TASK 7649 04

AFCRL 64 0619
OSLO U NORWAY
THE EVERSHED EFFECT AT THE OUTER EDGE OF SUNSPOT PENUMBRAS, 1964
ANN ASTROPHYS V26 N4 JUL-AUG 1963
BY BREKKE K
MALTBY P
INSTRUMENT AF 61<052>00186
PROJ/TASK 7649 04

AFCRL 64 0620
OSLO U NORWAY
SECULAR VARIATIONS OF SUNSPOTS WITH LIFETIMES FROM TWO TO EIGHT DAYS, 1964
ASTROPHYSICA NORVEGICA V8 N7
BY RINGNES T S
INSTRUMENT AF 61<052>00186
PROJ/TASK 7649 04

AFCRL 64 0621
MASSACHUSETTS INST OF TECH CAMBRIDGE
MEASUREMENT OF DROP SIZE DISTRIBUTION AND LIQUID WATER CONTENT IN NATURAL CLOUDS - 15 FEBRUARY 1964
BY KEILY D P
INSTRUMENT AF 19<628>00259
PROJ/TASK 8620 05

AFCRL 64 0622
SYRACUSE U RESEARCH INST N Y
THE USE OF FOAMED PROPELLANTS FOR COMPACTION AND STABILIZATION OF VARIOUS TYPES OF TERRAIN - JULY 1964
BY GOODMAN L J
GROVE C S JR
AIDUN A
INSTRUMENT AF 19<628>00492
PROJ/TASK 7628 02

AFCRL 64 0624
OSLO U NORWAY
INTERFEROMETRIC MEASUREMENTS OF THE 5200/02 A <NI>- DOUBLET IN THE AURORA, 1964
PLANETARY SPACE SCI V9 PP811-813 1963
BY LARSEN S H H
INSTRUMENT AF 61<052>00680
PROJ/TASK 8605 03

AFCRL 64 0625
OSLO U NORWAY
OBSERVATIONS AND EXPERIMENTS PERTINENT TO AURORAL THEORIES, 1964
PLANETARY SPACE SCI V10 PP247-262 1963
BY OMHOLT A
INSTRUMENT AF 61<052>00680
PROJ/TASK 8605 03

AFCRL 64 0626
OSLO U NORWAY
VARIATIONS IN THE DOPPLER PROFILE HA IN AURORAE, 1964
PLANETARY SPACE SCI V11 PP1229-1231 1963
BY JOHANSEN O E
OMHOLT A
INSTRUMENT AF 61<052>00680
PROJ/TASK 8605 03

AFCRL 64 0627
OSLO U NORWAY
VLF-EMISSIONS OBSERVED NEAR THE AURORAL ZONE-<PART I> OCCURRENCE OF EMISSIONS DURING DISTURBANCES, 1964
BY HARANG L
LARSEN R
INSTRUMENT AF 61<052>00680
PROJ/TASK 8605 03

AFCRL 64 0628
OSLO U NORWAY
VLF-EMISSIONS OBSERVED NEAR THE AURORAL ZONE-<PART II> THE PHYSICAL PROPERTIES OF THE EMISSIONS, 1964
BY HARANG L
HAUGE K N
INSTRUMENT AF 61<052>00680
PROJ/TASK 8605 03

AFCRL 64 0629
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
RESEARCH ON MEASUREMENT OF PRESSURE INDUCED SHIFTS OF ABSORPTION LINES IN THE INFRARED SPECTRUM, MAY 1964
BY JAFFE J H
INSTRUMENT AF 61<052>00388
PROJ/TASK 8603 03

AFCRL 64 0630
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
DISLOCATION STRUCTURES IN SINGLE CRYSTAL AL2O3 - AUGUST 64
J AM CERAM SOC V47 N2 FEB 1964
BY STEPHENS D L
ALFORD W J
DDC NUMBER 447345
PROJ/TASK 5621 01

AFCRL 64 0631
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
RADAR REFLECTIVITY OF STORMS CONTAINING SPONGY HAIL AUGUST 1964
J GEOPHYS RES V69 N10 PP1955-1961 15 MAY 1964
BY ATLAS D
HARDY K R
JOSS J
DDC NUMBER 447316
PROJ/TASK 6672 03

AFCRL 64 0632
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
VISUAL OBSERVATIONS BENEATH A DEVELOPING TORNADO AUGUST 1964
MONTHLY WEATHER REV V92 N6 PP326-328 JUN 1964
BY DONALDSON R J JR
LAMKIN W F
DDC NUMBER 447315
PROJ/TASK 6672 03

AFCRL 64 0633
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
NEW SHEAR APPARATUS FOR TEMPERATURES OF 1000°C AND PRESSURE OF 50 KB - NOVEMBER 1963
BY RIECKER R E
SEIFERT K E
DDC NUMBER 447727
PROJ/TASK 8652 11

AFCRL 64 0634
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
REFLECTION CORRECTION FOR THERMAL NEUTRON SPECTRA DERIVED FROM TRANSMISSION DATA - AUGUST 1964
NUCL INSTR METHODS 24 PP131-132 1963
BY LOWE L F
BURKE E A
DDC NUMBER 447728
PROJ/TASK 5620 02

AFCRL 64 0635
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
A PROTOTYPE LUNAR TRANSPONDER - AUGUST 1964
J GEOPHYS RES V69 N11 PP2399-2401 1 JUN 1964
BY HUNT M S
DDC NUMBER 447726
PROJ/TASK 8654 03

AFCRL 64 0639
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
AUTOMATIC PLOTTING OF SPIN-WAVE INSTABILITY THRESHOLD DATA AUGUST 1964
REV SCI INSTR V35 N5 PP558-561 MAY 1964
BY PURNHAGEN T G
DDC NUMBER 447729
PROJ/TASK 4600 03

AFCRL 64 0640
UTAH STATE U LOGAN
RECOGNIZING PATTERNS IN PHOTOGRAPHS - 1 MAY 1964
BY RUSHFORTH C K
INSTRUMENT AF 19<628>03825
PROJ/TASK 8663

AFCRL 64 0646
HAMBURGER-STERNWARTE HAMBURG WEST GERMANY
STRUCTURE AND DEVELOPMENT OF COMETARY TAIL, 31 MAR 1964
BY WURM K
INSTRUMENT AF 61<052>00583
PROJ/TASK 8647 01

AFCRL 64 0647
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
PROPAGATION OF AN SH-TORQUE PULSE IN A SPHERE, 10 JUL 1964
BY ALTERMAN Z
KORNFELD P
INSTRUMENT AF 61<052>00509
PROJ/TASK 8652 06

AFCRL 64 0648
NEW HAMPSHIRE U DURHAM
PARAMETRIC AMPLIFIER ANTENNA STRUCTURES - 1 SEPTEMBER 1964
BY FROST A D
INSTRUMENT AF 19<628>00307
PROJ/TASK 4600 02

AFCRL 64 0649
RADIO CORP OF AMERICA RCA LABS PRINCETON N.J.
INTEGRATED LOGIC NETS - 31 JULY 1964
BY RAPP A K
SILVER R S
INSTRUMENT AF 19<604>08836
PROJ/TASK 4641 04

AFCRL 64 0651
PENNSYLVANIA STATE U UNIVERSITY PARK
THE VIBRATIONAL SPECTRUM, STRUCTURE, AND POTENTIAL CONSTANTS OF NITRIC ACID - 31 JULY 1964
BY HISATSUNE I C
INSTRUMENT AF 19<604>07987
PROJ/TASK 8603 03

AFCRL 64 0657
LOWELL TECHNOLOGICAL INST RESEARCH FOUNDATION MASS
INSTALLATION OF FACILITIES TO BE USED IN CONJUNCTION WITH A SHOCK TUBE - APRIL 1964
BY ROGERS K L
INSTRUMENT AF 19<604>08481
PROJ/TASK 8635 03

AFCRL 64 0660
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AEROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
TROPOPAUSE DEFINITION AND HOURLY FLUCTUATIONS - AUGUST 1964
BY KANTOR A J
DDC NUMBER 605838
PROJ/TASK 8624 01

AFCRL 64 0661
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB L G HANSCOM FIELD MASS
LOGICAL TECHNIQUES FOR GLOTTAL SOURCE MEASUREMENTS AUGUST 1964
BY RAMSEY J L
DDC NUMBER 606119
PROJ/TASK 5628 02

AFCRL 64 0668
MICHIGAN U ANN ARBOR MICH
INFRARED STUDIES STARK EFFECTS IN HCN, CH3F, CH3I, NH3 AND H2O HINDERED ROTATION IN H2O2, INFRARED ABSORPTION OF MATRIX ISOLATED NH3 - AUGUST 1964
BY HUNT R H
MAKER P D
MEREDITH R E
PETERS C W
DDC NUMBER 605559
INSTRUMENT AF 19<604>06125
PROJ/TASK 8603 01

AFCRL 64 0669
OHIO STATE U COLUMBUS
ELECTRON IMPACT STUDIES OF MOLECULAR GASES - JULY 1964
BY LASSETTRE E N
DDC NUMBER 445853
INSTRUMENT AF 19<604>04541
PROJ/TASK 7635 03

AFCRL 64 0673
I.P ASSOC PALO ALTO CALIF
INVESTIGATION OF HOT ELECTRON EMITTER - JUNE 1964
BY ATALLA M M
INSTRUMENT AF 19<628>01637
PROJ/TASK 4608 04

AFCRL 64 0696
RAYTHEON CO WAYLAND MASS
A NEW TECHNIQUE FOR SIMULTANEOUS RADAR OBSERVATION OF MULTIPLE TARGETS WITHIN A BROAD SURVEILLANCE REGION 31 DECEMBER 1963
BY DISTLER R C
FELDMAN F A
INSTRUMENT AF 19<628>00361
PROJ/TASK 4600 06

AFCRL 64 0702
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS - AUGUST 1964
BY WOODBURY H H
AVEN M
KENNICOTT P R
HALL R N
INSTRUMENT AF 19<628>00329
PROJ/TASK 4608 05

F. Air Force Office of Scientific Research (AFOSR)

AFOSR 0788
NORTH CAROLINA U CHAPEL HILL
A CONSTANT CURRENT MICROCOULOMETRIC TECHNIQUE FOR DROPPING MERCURY ELECTRODES, THE DETERMINATION OF THE NUMBER OF ELECTRONS INVOLVED IN POLAROGRAPHIC REDUCTIONS
J ELECTROANAL CHEM V3 PP98/111 1962
BY REILLEY C N
MARK H B JR — INSTRUMENT AF 49<638>00333
SMITH E M — PROJ/TASK 9763

AFOSR 0789
NORTH CAROLINA U CHAPEL HILL
A SENSITIVE POLAROGRAPHIC TECHNIQUE, MAY 1961
J ELECTROANAL CHEM V3 PP54/63 1962
BY REILLEY C N
MARK H B JR — INSTRUMENT AF 49<638>00333
PROJ/TASK 9763

AFOSR 1009
HARVARD U CAMBRIDGE MASS
SERIES EXPANSIONS IN TERMS OF THE TEMPERATURE FUNCTIONS OF PORITSKY AND POWELL
QUART APPL MATH V20 N1 PP41/47 APR 1962
BY WIDDER D V
INSTRUMENT AF 49<638>00574
PROJ/TASK 9749 02

AFOSR 1122
HARVARD U CAMBRIDGE MASS
THE INVERSION OF A TRANSFORM RELATED TO THE LAPLACE TRANSFORM AND TO HEAT CONDUCTION
J AUSTRAL MATH SOC V4 PT1 PP1/14 1964
BY WIDDER D V
INSTRUMENT AF 49<638>00574
PROJ/TASK 9749 02

AFOSR 1135
BRANDEIS U WALTHAM MASS
ENZYMES OF GLYCOLYSIS
MOD METHODS PLANT ANALYSIS V7 PP519/545 1964
BY GIBBS M — DDC NUMBER 442587
TURNER J F — INSTRUMENT AF 49<638>00798
PROJ/TASK 9777 01

AFOSR 1148
COLORADO U BOULDER
BIREFRINGENCE IN A STRAINED VISCOELASTIC FLUID UNDER STEADY STATE ROTARY CONDITIONS II
J POLYMER SCI V57 PP251/262 1962
GILL S J — INSTRUMENT AF 49<638>00310
DINTZIS F R — PROJ/TASK 9760

AFOSR 1320
KENTUCKY U LEXINGTON
PREPARATION OF 2, 1, 3/BENZOTHIADIAZOLES USING DIMETHYLFORMAMIDE SULFUR DIOXIDE REAGENT
J ORG CHEM V27 P676 1962
BY SMITH W T — DDC NUMBER 445073
INSTRUMENT AF 49<638>00049
PROJ/TASK 9760

AFOSR 1322
NORTH CAROLINA U CHAPEL HILL
CURRENT/SCAN POLAROGRAPHY, STUDY OF A SYSTEM WHICH EXHIBITS A POLAROGRAPHIC MAXIMUM
J ELECTROANAL CHEM V3 PP353/362 1962
BY REILLEY C N
INSTRUMENT AF 49<638>00333
PROJ/TASK 9763

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NORTH CAROLINA U CHAPEL HILL
KINETIC ANALYSIS OF MIXTURES BY THE METHOD OF PROPORTIONAL EQUATIONS
ANAL CHEM V34 PP600/606 MAY 1962
BY REILLEY C N
INSTRUMENT AF 49<638>00333
PROJ/TASK 9763

AFOSR 2062
BROOKLYN POLYTECHNIC INST NEW YORK NY
PEROXIDE DECOMPOSITION AND CAGE EFFECT
J PHYS CHEM V66 PP1591/1595 SEP 1962
BY BRAUN W
RAJBENBACH L — INSTRUMENT AF 49<638>00331
EIRICH F R — PROJ/TASK 9761

AFOSR 2158
WASHINGTON U SEATTLE
EFFECT OF CENTRIFUGAL DISTORTION ON THE SHAPE OF THE HYDROGEN SULFIDE FUNDAMENTAL INFRARED BANDS
J CHEM PHYS V37 N2 PP251/259 JUL 1962
BY EMERSON M T — DDC NUMBER 446158
EGGERS D F JR — INSTRUMENT AF 49<638>00797
PROJ/TASK 9710 03

AFOSR 2615
RUTGERS STATE U NEW BRUNSWICK N J
COOPERATIVE STORAGE WAREHOUSES, FINAL REPORT, MAY 1962
BY HARRAR H J
INSTRUMENT AF 49<638>00849
PROJ/TASK 9769

AFOSR 2698
HEBREW U JERUSALEM ISRAEL
COMMON SECANTS FOR FAMILIES OF POLYHEDRA
ARCH MATH V25 N1 PP76/80 1964
BY GRUNBAUM B
INSTRUMENT AF 61<052>00187
PROJ/TASK 9749 02

AFOSR 2699
HEBREW U JERUSALEM ISRAEL
ON A PAPER OF A. FELDZAMEN
ISRAEL J MATH V1 N3 PP133/138 SEPT 1963
BY FOGUEL S R
INSTRUMENT AF 61<052>00187
PROJ/TASK 9749 02

AFOSR 2766
IOWA STATE U OF SCIENC AND TECH PHYSICS DEPT AMES IOWA
HEAT CAPACITY LAG IN HEAVY GASES, FINAL REPORT, JUN 1962
BY LEGVOLD S
OLSON J R — INSTRUMENT AF/AFOSR /0087/61
PROJ/TASK 9767 01

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SERENDIPITY ASSOC LOS ANGELES CALIF
SOME PERSONALITY AND BEHAVIORAL FACTORS RELATED TO BIRTH ORDER
J APPL PSYCHOL V47 N5 PP300/303 1963
BY SMITH E E — DDC NUMBER 445113
GOODCHILDS J D — INSTRUMENT AF 49<638>01000
PROJ/TASK 9779 01

AFOSR 3150
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
PERIODIC MOTIONS IN BANACH SPACE AND APPLICATIONS TO FUNCTIONAL DIFFERENTIAL EQUATIONS
CONTRIBUTIONS TO DIFFERENTIAL EQUATIONS NEW YORK INTERSCIENCE PUBLISHERS VIII N1 PP75/106 1964
BY JONES G S — DDC NUMBER 444260
INSTRUMENT AF 49<638>00382
PROJ/TASK 9749 01

AFOSR 3223
STANFORD RESEARCH INST MENLO PARK CALIF
A CONCEPTUAL FRAMEWORK FOR THE / AUGMENTATION OF MANS INTELLECT
VISTAS IN INFORMATION HANDLING THE AUGMENTATION OF MANS INTELLECT BY MACHINE HONERTON - WEEKS EDITORS SPARTAN BOOKS V1 P29 1963
BY ENGELBART D C
INSTRUMENT AF 49<638>01024
PROJ/TASK 9769 01

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RICE U HOUSTON TEX
HOLOMORHIC FUNCTIONS, OF ARBITRARILY SLOW GROWTH, WITHOUT RADIAL LIMITS
MICHIGAN MATH J V9 PP21/24 1962
BY MACLANE G R
INSTRUMENT AF 49<638>00205
PROJ/TASK 9749 02

AFOSR 3327
CONNECTICUT U STORRS
ON THE APPROXIMATION OF LP FUNCTIONS BY TRIGONOMETRIC POLYNOMIALS
FUND MATH V53 PP121/134 1964
BY GOSSELIN R P — DDC NUMBER 446536
INSTRUMENT AF 49<638>00608
PROJ/TASK 9749 02

AFOSR 3342
CARNEGIE INST OF TECH PITTSBURGH PA
BOUNDS FOR THE SOLUTIONS OF A CLASS OF NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS
PROC AM MATH SOC V14 N5 PP829/836 OCT 1963
BY NEHARI Z — DDC NUMBER 447673
INSTRUMENT AF/AFOSR /0414/62
PROJ/TASK 9749 02

AFOSR 3424
SYRACUSE U N Y
A VERY HIGH TEMPERATURE INFRARED CELL FOR PURE LIQUIDS OR SOLUTIONS
APPL OPTICS V1 PP493/495 JUL 1962
BY FISHMAN E
INSTRUMENT AF 49<638>00003
PROJ/TASK 9760

AFOSR 3473
STANFORD U CALIF
CHEMICAL APPLICATIONS OF NUCLEAR MAGNETIC RESONANCE, FINAL REPORT, 1962
BY OGG R A — DDC NUMBER 603735
SKOOG — INSTRUMENT AF 49<638>00286
PROJ/TASK 9763

AFOSR 4124
ROCHESTER U N Y
THE HE3&HE3 PLUS HE4& RATIO IN PRIMARY COSMIC RADIATION
J GEOPHYS RES V67 PP1289/1293 APR 1962
BY APPA RAO M V K
INSTRUMENT AF 49<638>00303
PROJ/TASK 9751 04

AFOSR 4472
NORTH CAROLINA U CHAPEL HILL
DISLOCATION IMPURITY INTERACTIONS AND STRAIN AGING IN AGC1
J APPL PHYS V34 N7 PP1953/1957 JUL 63
BY KABLER M N
MILLER M G
SLIFKIN L M
INSTRUMENT AF 49<638>00865
PROJ/TASK 9761 03

AFOSR 4502
BROOKLYN POLYTECHNIC INST NEW YORK NY
THE RESPONSE OF AN AUTOMATIC PHASE CONTROL SYSTEM TO FM SIGNALS AND NOISE
PROC IEEE V51 N10 PP1306/1316 OCT 1963
BY SCHILLING D L
INSTRUMENT AF/AFOSR /0295/62
PROJ/TASK 4751

AFOSR 4585
HEBREW U JERUSALEM ISRAEL
A MEASURE OF ASYMMETRY FOR PLANE CONVEX SETS
J LONDON MATH SOC V39 PP95/102 1964
BY GRUNBAUM B
INSTRUMENT AF 61<052>00187
PROJ/TASK 9749 02

AFOSR 4693
PRINCETON U N J
RESEARCH ON SOLID PROPELLANT COMBUSTION INSTABILITY, FINAL REPORT, 30 APR 1963
BY WAESCHE R H W
WENOGRAD J
SUMMERFIELD M
INSTRUMENT AF/AFOSR /0460/62
PROJ/TASK 3814

AFOSR 4819
JOHNS HOPKINS U BALTIMORE MD
ON THE ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF A DIFFERENTIAL EQUATION IN BOUNDARY LAYER THEORY
Z ANGEW MATH MECH V44 N3 PP123/128 1964
BY HARTMAN P
DDC NUMBER 446901
INSTRUMENT AF/AFOSR /0045/62
PROJ/TASK 9749 02

AFOSR 5367
CALIFORNIA INST OF TECH ELECTRICAL ENG DEPT PASADENA CALIF
ON THE DOPPLER EFFECT IN A MEDIUM
SUPPLEMENTARY TECHNICAL REPORT NO 29 DEC 1963
BY LEE K S H
INSTRUMENT AF/AFOSR /0070/63
PROJ/TASK 9768 01

AFOSR 5495
ARMY RESEARCH OFFICE DURHAM N C
EFFECTS OF ELECTRON / SURFACE INTERACTION IN IONIZATION GAUGES
TRANS NAT VACUUM SYMP 10TH BOSTON MASS 16/18 OCT 1963
BANCROFT G H ED MACMILLAN CO PP223/227 1963
BY SCHUEMANN W C
DESEGOVIA J L
ALPERT D
INSTRUMENT DA /36/039/AMC/02208
PROJ/TASK 4751

AFOSR 64 0075
TORONTO U ONTARIO CANADA
A DIGITAL COMPUTER PROGRAM FOR CALCULATING NONEQUILIBRIUM EXPANSION FLOWS OF DISSOCIATED OXYGEN AND IONIZED ARGON AROUND A CORNER
BY GALIPEAU J
TAKANO A
INSTRUMENT AF/AFOSR /0365/63
PROJ/TASK 9783 01

AFOSR 64 0803
CALIFORNIA INST OF TECH PASADENA
MICROWAVE INTERACTION WITH BOUNDED GYROELECTRIC PLASMAS
BY NAGELBERG E R
DDC NUMBER 437672
INSTRUMENT AF 49<638>01266
PROJ/TASK 9768 01

AFOSR 64 0804
CALIFORNIA INST OF TECH PASADENA
ON THE THEORY OF NOISE LIKE ELECTROMAGNETIC FIELDS OF ARBITRARY SPECTRAL WIDTH
BY JACOBSON A D
DDC NUMBER 600454
INSTRUMENT AF 49<638>01266
PROJ/TASK 9768 01

AFOSR 64 0848
CALIFORNIA INST OF TECH PASADENA
NON EQUILIBRIUM ELECTRICAL CONDUCTIVITY IN A SEEDED PLASMA
BY ZUKOSKI E E
COOL T A
GIBSON E G
DDC NUMBER 602683
INSTRUMENT AF 49<638>01285
PROJ/TASK 9752 01

AFOSR 64 0860
GIANNINI CONTROLS CORP MALVERN PA
SEPARATED FLOW IN CURVED CHANNELS WITH SECONDARY INJECTION
BY CURTISS H A
FEIL O G
LIQUORNIK D J
DDC NUMBER 602487
INSTRUMENT AF 49<638>01218
PROJ/TASK 9781 01

AFOSR 64 0861
GENERAL ELECTRIC CO PHILADELPHIA PA
ON THE STABILITY OF THE EQUILIBRIUM SOLUTIONS OF THE PLANE RESTRICTED THREE BODY PROBLEM IN THE SENSE OF LIAPOUNOV, FINAL REPORT, APR 1964
BY MOSKOWITZ S E
INSTRUMENT AF 49<638>00814
PROJ/TASK 9749 01

AFOSR 64 0886
FLORIDA U GAINESVILLE
RESPONSE OF A NONLINEAR BEAM TO RANDOM EXCITATION
BY HERBERT R E
DDC NUMBER 444475
INSTRUMENT AF/AFOSR /0313/62
PROJ/TASK 9782 01

AFOSR 64 0887
FLORIDA U GAINESVILLE
RANDOM VIBRATIONS OF NONLINEAR ELASTIC STRUCTURES
BY HERBERT R E
DDC NUMBER 602488
INSTRUMENT AF/AFOSR /0313/62
PROJ/TASK 9782 01

AFOSR 64 0899
PRINCETON U N J
THE COMBINATORY INTEGRAL TRANSFORM AND ITS APPLICATION TO HEUNS EQUATION
BY CHIU H H
CHENG S I
DDC NUMBER 606090
INSTRUMENT AF 49<638>01271
PROJ/TASK 9781 01

AFOSR 64 0938
TUFTS U MEDFORD MASS
THE EFFECTS OF DISPLACED EARS ON AUDITORY LOCALIZATION
BY FREEDMAN S J
STAMPFER K
DDC NUMBER 604569
INSTRUMENT AF 49<638>01282
PROJ/TASK 9778 01

AFOSR 64 0991
GIANNINI CONTROLS CORP BERWYN PA
THE EFFECT OF ELASTICITY ON THE STABILITY OF MANNED ROTATING SPACE STATIONS
BY FRUEH D J
MILLER J M
DDC NUMBER 602486
INSTRUMENT AF 49<638>01015
PROJ/TASK 9782 01

AFOSR 64 1000
NORTHROP CORP HAWTHORNE CALIF
PLASMA PROPERTIES BY MOMENTUM CHANGE, FINAL REPORT, MAY 1964
BY LENN P D
WARD D L
INSTRUMENT AF 49<638>01160
PROJ/TASK 9752 01

AFOSR 64 1001
JOHNS HOPKINS U BALTIMORE MD
ANALOG COMPUTER RESEARCH INTO THE ENERGY/EXCHANGE BETWEEN GASES AND SOLIDS
BY ROGERS M
DDC NUMBER 605401
INSTRUMENT AF 49<638>00496
PROJ/TASK 9783 02

AFOSR 64 1002
STANFORD U CALIF
LINEARIZED THEORY OF TWO/DIMENSIONAL RADIATING GAS FLOW BY A MOMENT METHOD
BY CHENG P
DDC NUMBER 602684
INSTRUMENT AF 49<638>01280
PROJ/TASK 9781 01

AFOSR 64 1004
PENNSYLVANIA STATE U UNIVERSITY PARK
DIRECT OBSERVATIONS OF FATIGUE INDUCED DEFORMATION FAULTING IN THIN FOIL STAINLESS STEEL, FINAL REPORT, MAY 1964
BY MURR L E
SMITH P J
DDC NUMBER 602797
INSTRUMENT AF/AFOSR /0165/63
PROJ/TASK 9782 02

AFOSR 64 1005
NEW YORK U NEW YORK
CONTROL SYSTEMS, FINAL REPORT, JUNE 64
BY CHANG S S L
RAGAZZINI J
DDC NUMBER 602685
INSTRUMENT AF/AFOSR /0321/62
PROJ/TASK 9749 01

AFOSR 64 1037
STANFORD U CALIF
BUCKLING OF AXIALLY COMPRESSED CIRCULAR CYLINDRICAL SHELLS AT STRESSES SMALLER THAN THE CLASSICAL CRITICAL VALUE
BY HOFF N J
REHFIELD L W
INSTRUMENT AF 49<638>01276
PROJ/TASK 9782 01

AFOSR 64 1038
FLORIDA U GAINESVILLE
ON THE STRESSES IN A NONLINEAR BEAM SUBJECT TO RANDOM EXCITATION
BY HERBERT R E
INSTRUMENT AF/AFOSR /0313/62
PROJ/TASK 9782 01

AFOSR 64 1039
BROOKLYN POLYTECHNIC INST NEW YORK NY
A FURTHER NOTE ON THE CREEP ANALYSIS OF ANNULAR PLATES
BY VENKATRAMAN B
PATEL S A
BIRNBAUM M R
DDC NUMBER 604467
INSTRUMENT AF 49<638>01360
PROJ/TASK 9782 01

AFOSR 64 1055
MASSACHUSETTS INST OF TECH CAMBRIDGE
THE CALCULATION OF TWO / AND THREE / DIMENSIONAL INVISCID UNSTEADY FLOWS BY THE METHOD OF CHARACTERISTICS, FINAL REPORT, JUN 1964
BY SAUERWEIN H JR
DDC NUMBER 605324
INSTRUMENT AF/AFOSR /0156/64
PROJ/TASK 9781 02

AFOSR 64 1056
STANFORD U CALIF
A UNIFORMLY VALID SOLUTION FOR THE FLOW OVER AN ICLINED CONE USING THE METHOD OF MATCHED ASYMPTOTIC EXPANSIONS
BY MUNSON A G
INSTRUMENT AF 49<638>01274
PROJ/TASK 9781 01

AFOSR 64 1057
MASSACHUSETTS INST OF TECH CAMBRIDGE
THE SPECTRUM OF RANDOM VIBRATION OF A NONLINEAR OSCILLATOR
SUPPLEMENTRY TECHNICAL REPORT JUN 1964
BY CRANDALL S H
DDC NUMBER 604047
INSTRUMENT AF 49<638>01314
PROJ/TASK 9782 01

AFOSR 64 1058
CATHOLIC U OF LOUVAIN BELGIUM
TABLES OF BESSEL FUNCTIONS OF IMAGINARY ORDER
BY BUCKENS F
DDC NUMBER 602755
INSTRUMENT AF/EOAR /0049/63
PROJ/TASK 9782 01

AFOSR 64 1158
BROWN U PROVIDENCE R I
A GENERAL SOLUTION OF THE HOPF CHARACTERISTIC FUNCTIONAL EQUATION FOR TURBULENCE
BY HOSOKAWA I — DDC NUMBER 607666; INSTRUMENT AF 69(638)01295; PROJ/TASK 9783 02

AFOSR 64 1159
CORNELL U ITHACA N Y
HIGH SPEED AERODYNAMICS WITH REAL GAS EFFECTS, FINAL REPORT JUN 1964
BY SPARKS W R — INSTRUMENT AF/AFOSR 70.01/62; PROJ/TASK 9783 02

AFOSR 64 1159
VON KARMAN INST BRUSSELS BELGIUM
A POSSIBLE COMPROMISE BETWEEN ROCKET AND ATMOSPHERIC BRAKING
BY MOULIN L — DDC NUMBER 602391; INSTRUMENT AF/EOAR /0089/63; PROJ/TASK 9769 01

AFOSR 64 1160
VON KARMAN INST BRUSSELS BELGIUM
APPROXIMATE ANALYSIS OF OPTIMUM LOW THRUST TRANSFER BETWEEN COPLANAR HYPERBOLIC ORBITS
BY MOULIN L — DDC NUMBER 602390; INSTRUMENT AF/EOAR /0039/63; PROJ/TASK 9769 01

AFOSR 64 1161
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
RESEARCH IN OPTICAL COHERENCE AND NONLINEAR ESTIMATION THEORY
BY YOUNG G O; GIESE C; MACMILLAN R S — INSTRUMENT AF/AFOSR /0188/63; PROJ/TASK 9768 02

AFOSR 64 1162
CALIFORNIA U BERKELEY
PLASMA HEATING BY INJECTION OF CHARGED PARTICLES
BY HASEGAWA A; BIRDSALL C K — INSTRUMENT AF/AFOSR /0139/63; PROJ/TASK 4751

AFOSR 64 1163
CALIFORNIA INST OF TECH PASADENA
STUDIES ON OPTICAL SCATTERING AS A TECHNIQUE FOR PLASMA DIAGNOSTICS
BY SCHWARZ S E — DDC NUMBER 609738; INSTRUMENT AF 69(638)01322; PROJ/TASK 9768 02

AFOSR 64 1164
MCMASTER U HAMILTON ONTARIO CANADA
SOME NEW NEUTRON SEPARATION ENERGIES FOR ISOTOPES OF HG, TL, PB, AND BI
CAN J PHYS V42 PP926/936 MAY 1964
BY MCLATCHIE W; BARBER R C; BISHOP R L; DUCKWORTH H E; HOGG P G; MACDOUGALL J D; VAN ROOKHUYZEN P — DDC NUMBER 602829; INSTRUMENT AF/AFOSR /0159/63; PROJ/TASK 9751 02

AFOSR 64 1165
FLORIDA STATE U TALLAHASSEE
EXCITATION OF ISOBARIC ANALOG STATES IN 89Y AND 90ZR
PHYS REV LETTERS V12 NB PP198/200 24 FEB 64
BY FOX J D; MOORE C F; ROBSON D — DDC NUMBER 602829; INSTRUMENT AF/AFOSR /0460/63; PROJ/TASK 9751 02

AFOSR 64 1166
FLORIDA STATE U TALLAHASSEE
ELASTIC SCATTERING OF ALPHA PARTICLES BY C12 IN THE BOMBARDING ENERGY RANGE 10 TO 19 MEV
PHYS REV V133 N6B PPB1621/B1629 23 MAR 64
BY CARTER E B; MITCHELL G E; DAVIS R H — DDC NUMBER 602826; INSTRUMENT AF/AFOSR /0460/63; PROJ/TASK 9751 02

AFOSR 64 1167
FLORIDA STATE U TALLAHASSEE
INELASTIC SCATTERING OF 6/TO 19/MEV ALPHA PARTICLES FROM CARBON
PHYS REV V133 N6B PPB1696/B1669 23 MAR 64
BY MITCHELL G E; CARTER E B; DAVIS R H — DDC NUMBER 602829; INSTRUMENT AF/AFOSR /0460/63; PROJ/TASK 9751 02

AFOSR 64 1168
CHICAGO U ILL
MAGNETOSPHERIC CUTOFF FOR 1.5/MEV EXTRATERRESTRIAL PROTONS
PHYS REV LETTERS V12 N11 PP269/271 16 MAR 64
BY FAN C Y; SIMPSON J A; STONE E C — DDC NUMBER 602831; INSTRUMENT AF/AFOSR /0023/62; PROJ/TASK 9776 02

AFOSR 64 1169
STANFORD U CALIF
OBSERVATIONAL BASIS OF MACH'S PRINCIPLE
REV MOD PHYS V36 N2 PP910/911 APR 64
BY SCHIFF L I — DDC NUMBER 602816; INSTRUMENT AF/AFOSR /0452/62; PROJ/TASK 9751 01

AFOSR 64 1170
CAMBRIDGE U ENGLAND
POLES AND SHADOW POLES IN THE MANY CHANNEL S MATRIX
PHYS REV V133 N6B PPB1579/B1580 23 MAR 64
BY EDEN R J; TAYLOR J R — DDC NUMBER 602863; INSTRUMENT AF/EOAR /0079/63; PROJ/TASK 9751 01

AFOSR 64 1171
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
A REMARKABLE REPRESENTATION OF THE GRAD AND ELECTROMAGNETIC LAGRANGIAN
PHYS LETTERS V8 N5 PP357/358 1 MAR 64
BY MATTHEWS P T; SALAM A — DDC NUMBER 602788; INSTRUMENT AF/EOAR /0087/62; PROJ/TASK 9751 01

AFOSR 64 1172
HARVARD U CAMBRIDGE MASS
NON ABELIAN VECTOR GAUGE FIELDS AND THE ELECTROMAGNETIC FIELD
REV MOD PHYS V36 N2 PP609/613 APR 64
BY SCHWINGER J — DDC NUMBER 602785; INSTRUMENT AF 69(638)00589; PROJ/TASK 9751 01

AFOSR 64 1173
STANFORD U CALIF
APPROXIMATE SOLUTION TO THE N&D EQUATIONS
PHYS REV LETTERS V12 N12 PP365/368 23 MAR 64
BY SHAW G L — DDC NUMBER 602786; INSTRUMENT AF/AFOSR /0442/62; PROJ/TASK 9751 01

AFOSR 64 1174
STANFORD U CALIF
ELECTRO PRODUCTION OF PIONS FROM NUCLEI
NUCL PHYS V51 PP312/320 1964
BY CZYZ W; WALECKA J D — DDC NUMBER 602830; INSTRUMENT AF/AFOSR /0442/62; PROJ/TASK 9751 01

AFOSR 64 1175
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
REGGE POLE THEORY OF THE PHOTOPRODUCTION OF PIONS
NUOVO CIMENTO SERE V31 PP1029/1036 1 MAR 64
BY DOMBEY N — DDC NUMBER 602842; INSTRUMENT AF/EOAR /0087/62; PROJ/TASK 9751 01

AFOSR 64 1176
BRANDEIS U WALTHAM MASS
CONDITIONS FOR FLATNESS IN GENERAL RELATIVITY
ANN PHYS V29 N2 PP318/329 AUG 63
BY ARNOWITT R; DESER S — DDC NUMBER 602801; INSTRUMENT AF/AFOSR /0368 63; PROJ/TASK 9751 01

AFOSR 64 1177
CALIFORNIA U SANTA BARBARA
INTERNATIONALISM ISOLATIONISM, STRATEGY OF THE OTHER PLAYER AND THE PERSON GAME BEHAVIOR
J ABNORMAL SOCIAL PSYCHOL V67 N6 PP631/636 1963
BY MCCLINTOCK C G; HARRISON A A; STRAND S; GALLO P — DDC NUMBER 602832; INSTRUMENT AF 69(638)00796; PROJ/TASK 9778 02

AFOSR 64 1178
HEBREW U JERUSALEM ISRAEL
A STUDY OF NEW FARMERS IN ISRAEL
SOCIOL RURALIS V4 N1 PP1/51 1964
BY WEINTRAUB D — DDC NUMBER 602780; INSTRUMENT AF/EOAR /0078/63; PROJ/TASK 9778 02

AFOSR 64 1179
PEACE RESEARCH INST WASHINGTON D C
COMPARISON OF TIME ERROR PHENOMENA IN DIFFERENT SENSE MODALITIES
PSYCHOLOGIA V6 N4 PP207/216 DEC 1963
BY INOMATA S — DDC NUMBER 602860; INSTRUMENT AF/AFOSR /0455/62; PROJ/TASK 9779 02

AFOSR 64 1180
CAMBRIDGE U ENGLAND
CONTOUR DISCRIMINATION IN A YOUNG MONKEY WITH STRIATE CORTEX ABLATION
NEUROPSYCHOLOGIA V1 PP165/184 1963
BY WEISERANTZ L — DDC NUMBER 602839; INSTRUMENT AF/EOAR /0020/62; PROJ/TASK 9778 01

AFOSR 64 1181
BOLT BERANEK AND NEWMAN INC CAMBRIDGE MASS
EXPERIMENTAL PROCEDURES AFFECTING EVOKED RESPONSES RECORDED FROM AUDITORY CORTEX
ELECTROENCEPHALOG CLIN NEUROPHYSIOL V15 PP967/997 1963
BY NEFF W D; GEREEN G W — DDC NUMBER 602798; INSTRUMENT AF 69(638)01162; PROJ/TASK 9778 01

AFOSR 64 1182
ILLINOIS U URBANA
MEDIATION AND FORGETTING
PSYCHOLOGICAL REPTS V14 PP591/600 1964
BY ADAMS J A — DDC NUMBER 602864; INSTRUMENT AF/AFOSR /0135/63; PROJ/TASK 9778 01

AFOSR 64 1183
WASHINGTON STATE U PULLMAN
SHORT TERM RETENTION AS A FUNCTION OF RECALL POINT CODING
PSYCHOLOGICAL REPTS V14 PP792/794 1964
BY LLOYD K E — DDC NUMBER 602836; INSTRUMENT AF/AFOSR /0256/63; PROJ/TASK 9778 01

AFOSR 64 1184
MICHIGAN U ANN ARBOR MICH
PERCEPTUAL MOTOR SKILL LEARNING
CATEGORIES HUMAN LEARNING PP249/286 1964
BY FITTS P M — DDC NUMBER 602821; INSTRUMENT AF 69(638)00669; PROJ/TASK 9778 01

AFOSR 64 1166
CALIFORNIA U SANTA BARBARA
GROUP SUPPORT AND THE BEHAVIOR OF LEADERS AND NON LEADERS
J ABNORMAL SOCIAL PSYCHOL V67 N2 PP105/113 1963
BY MCCLINTOCK C G
DDC NUMBER 442833
INSTRUMENT AF 49<638>00794
PROJ/TASK 9778 02

AFOSR 64 1167
GOTEBORG U SWEDEN
ANALYSIS OF THE MAGNESIUM ATP DEPENDENT STORAGE MECHANISM IN THE AMINE GRANULES OF THE ADRENAL MEDULLA
ACTA PHYSIOL SCAND SUPPL215 V59 PP5/38 1963
BY CARLSSON A
HILLARP N
WALDECK B
DDC NUMBER 442786
INSTRUMENT AF/EOAR /0014/63
PROJ/TASK 9777 01

AFOSR 64 1168
LONDON U ENGLAND
EQUIPMENT FOR DETECTING ANIMAL ULTRASOUND
ULTRASONICS V2 PP23/28 JAN/MAR 64
BY PYE J D
FLINN M
DDC NUMBER 442787
INSTRUMENT AF/EOAR /0030/63
PROJ/TASK 9777 01

AFOSR 64 1169
GOTEBORG U SWEDEN
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ACTA PHARMACOL TOXICOL V20 PP140/144 1963
BY CARLSSON A
LINDQVIST M
DDC NUMBER 442788
INSTRUMENT AF/EOAR /0014/63
PROJ/TASK 9777 01

AFOSR 64 1170
KAROLINSKA INST STOCKHOLM SWEDEN
NEUROPHYSIOLOGICAL ASPECTS OF HOMEOSTASIS
ANN REV PHYSIOL V26 PP271/288 1964
BY SODERBERG U
DDC NUMBER 442789
INSTRUMENT AF 61<052>00119
PROJ/TASK 9777 01

AFOSR 64 1171
WESTERN RESERVE U CLEVELAND OHIO
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FEDERATION AM SOC EXP BIOL PROC V23 N2 MAR/APR 64
BY HALLER E
TAKARATAKE Y
SACHS H
INSTRUMENT AF/AFOSR /0408/63
PROJ/TASK 9777 01

AFOSR 64 1172
CENTRE NATIONAL DE LA RECHERCHE SCIENT
BIOLOGY DEPT PARIS FRANCE
EFFECTS OF CHANGES IN PARTIAL PRESSURE OF CARBON DIOXIDE AND PARTIAL PRESSURE OF OXYGEN ON RHYTHMIC POTENTIALS FROM GIANT NEURONS
ANN NY ACAD SCI V109 PP451/479 24 JUN 63
BY CHALAZONITIS N
DDC NUMBER 442586
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AFOSR 64 1173
GOTEBORG U SWEDEN
THE LOCALIZATION OF ADRENALINE IN ADRENERGIC NERVES IN THE FROG
QUART J EXP PHYSIOL V48 PP253/257 1963
BY FALCK B
HAGGENDAL J
OWMAN C
DDC NUMBER 442989
INSTRUMENT AF/EOAR /0044/61
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AFOSR 64 1174
SAO PAULO U BRAZIL
AORTIC DEPRESSOR FIBERS IN THE RAT / AN ELECTROPHYSIOLOGICAL STUDY
AM J PHYSIOL V205 N4 PP771/774 OCT 63
BY KRIEGER E M
MARSEILLAN R F
DDC NUMBER 442990
INSTRUMENT AF/AFOSR /0060/61
PROJ/TASK 9777 01

AFOSR 64 1175
KAROLINSKA INST STOCKHOLM SWEDEN
A CRYSTALLOGRAPHIC STUDY OF VERTEBRATE OTOLITHS
BIOL BULL V125 N3 PP441/463 DEC 63
BY CARLSTROM D
DDC NUMBER 442991
INSTRUMENT AF/EOAR /0011/62
PROJ/TASK 9777 01

AFOSR 64 1176
GALWAY U COLL IRELAND
BILIPROTEINS OF CRYPTOMONAD ALGAE
PROC ROY IRISH ACAD V63 SECT B N10 PP191/200 JAN 64
BY OHEOCHA C
OCARRA P
MITCHELL D
DDC NUMBER 442835
INSTRUMENT AF/AFOSR /0038/62
PROJ/TASK 9777 01

AFOSR 64 1177
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
THE RELATION OF THE ADENOSINE 5 PRIME TRIPHOSPHATE ADENOSINE 5 PRIME DIPHOSPHATE EXCHANGE ACTIVITY TO PHOTOPHOSPHORYLATION IN SWISS CHARD CHLOROPLASTS
BIOCHIM BIOPHYS ACTA V82 PP67/73 1964
BY BEN/YEHOSHUA S
AVRON M
DDC NUMBER 442836
INSTRUMENT AF/EOAR /0059/62
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WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
A COUPLING FACTOR IN PHOTOPHOSPHORYLATION
COLLOQ INTERN CENTRE NATL RECH SCI 23/27 JULY 1962 GIF/SUR/ YVETTE ET SACLAY FRANCE N119 PP543/555 1963
BY AVRON M
DDC NUMBER 442795
INSTRUMENT AF/EOAR /0059/62
PROJ/TASK 9777 01

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SIENA U ITALY
EFFECTS OF PRESSO AND CHEMOCEPTIVE COMPONENTS OF THE CATS AORTIC NERVE ON SHAM RAGE BEHAVIOUR
EXPERIENTIA V19 PP534/536 15 OCT 1963
BY BACCELLI G
GUAZZI M
LIBRETTI A
ZANCHETTI A
DDC NUMBER 442837
INSTRUMENT AF 61<052>00253
PROJ/TASK 9777 01

AFOSR 64 1180
BRUSSELS FREE U BELGIUM
DATA ON THE CONTROL OF GENETIC REPLICATION IN TEMPERATE BACTERIOPHAGES
PROC INTERN CONGR GENET 11TH V1 SEP 1963
BY THOMAS R
INSTRUMENT AF/EOAR /0010/64
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AFOSR 64 1181
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BIOCHIM BIOPHYSACTA V77 PP699/702 1963
BY AVRON M
DDC NUMBER 442992
INSTRUMENT AF/EOAR /0059/62
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AFOSR 64 1183
LEICESTER U ENGLAND
THE UTILIZATION OF ITACONATE BY PSEUDOMONAS SP.
BIOCHEM J V91 PP82/91 1964
BY COOPER R A
KORNBERG H L
DDC NUMBER 442994
INSTRUMENT AF/EOAR /0077/62
PROJ/TASK 9777 01

AFOSR 64 1184
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
A SENSITIVE AND SIMPLE METHOD FOR DETERMINATION OF FERROCYANIDE
ANAL BIOCHEM V6 N6 PP549/554 DEC 63
BY AVRON M
SHAVIT N
DDC NUMBER 442822
INSTRUMENT AF/EOAR /0059/62
PROJ/TASK 9777 01

AFOSR 64 1185
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
ON THE COUPLING OF PHOTOPHOSPHORYLATION TO ELECTRON TRANSPORT
NAS/NRC SYMP ON PHOTOSYNTHESIS MECHANISMS IN GREEN PLANTS
NAS PUB NO 1145 P611 618 1963
BY AVRON M
SHAVIT N
DDC NUMBER 442791
INSTRUMENT AF/EOAR /0059/62
PROJ/TASK 9777 01

AFOSR 64 1186
GOTEBORG U SWEDEN
EFFECTS OF SOME PHARMACOLOGICALLY ACTIVE AMINES ON THE UPTAKE OF ARYLALKYLAMINES BY ADRENAL MEDULLARY GRANULES
ACTA PHYSIOL SCAND V60 PP136/140 1964
BY JONASSON J
ROSENGREN E
WALDECK B
DDC NUMBER 442790
INSTRUMENT AF/EOAR /0014/63
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GOTEBORG U SWEDEN
EVIDENCE OF DOPAMINE CONTAINING NEURONS IN THE RETINA OF RABBITS
ACTA PHYSIOL SCAND V59 PP295/296 1963
BY HAGGENDAL J
MALMFORS T
DDC NUMBER 442792
INSTRUMENT AF/EOAR /0014/63
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UPPSALA U SWEDEN
BIOPHYSICAL ASPECTS OF WATER TRANSPORT IN CELLS AND TISSUES
SWEDISH CANCER SOCIETY YEARBOOK STOCKHOLM V3 PP231/234 1963
BY TEORELL T
DDC NUMBER 442995
INSTRUMENT AF/EOAR /0005/63
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AFOSR 64 1189
SHEFFIELD U ENGLAND
CARBON ASSIMILATION BY PSEUDOMONAS OXALATICUS /OX 1/.7. DECARBOXYLATION OF OXALYL/COENZYME A TO FORMYL COENZYME A
BIOCHEM J V89 PP492/503 1963
BY QUAYLE J R
DDC NUMBER 442996
INSTRUMENT AF/EOAR /0045/62
PROJ/TASK 9777 01

AFOSR 64 1190
OXFORD U ENGLAND
A CONVENIENT PREPARATION OF L HOMOCYSTINE FROM L METHIONINE
J CHEM SOC PP869/870 FEB 64
BY HOPE D B
HUMPHRIES J F
DDC NUMBER 442997
INSTRUMENT AF/EOAR /0080/62
PROJ/TASK 9777 01

AFOSR 64 1191
BRUSSELS FREE U BELGIUM
FUNCTIONAL DETAILS OF THE EFFERENT COCHLEAR INHIBITION IN THE PIGEON < FRENCH >
ARCH INTERN PHYSIOL BIOCHIM V72 N2 PP3/8 1964
BY DESMEDT J F
DELWAIDE P J
DDC NUMBER 442794
INSTRUMENT AF/EOAR /0043/64
PROJ/TASK 9777 01

AFOSR 64 1192
FLORIDA STATE U TALLAHASSEE
RESEARCH IN PHOTOBIOLOGY AND PHOTOCHEMISTRY. FINAL REPORT. JUN 1964
BY GAFFRON H
DDC NUMBER 602756
INSTRUMENT AF/AFOSR /0190/62
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GENOA U ITALY
VISUAL CORTICAL RESPONSES EVOKED BY STIMULATING LATERAL GENICULATE BODY AND OPTIC RADIATIONS IN AWAKE AND SLEEPING CATS
EXP NEUROL V9 N1 PP17/30 JAN 64
BY PALESTINI M — DDC NUMBER 442838
PISANO M — INSTRUMENT AF/EOAR /0106/62
ROSADINI G — PROJ/TASK 9777 01
ROSSI G F

AFOSR 64 1197
CALIFORNIA U BERKELEY
THE PROBLEM OF IDENTIFICATION OF DISCRETE TIME PROCESSES
BY GALTIERI C A — DDC NUMBER 603739
INSTRUMENT AF/AFOSR /0292/63
PROJ/TASK 9749 01

AFOSR 64 1198
MASSACHUSETTS INST OF TECH CAMBRIDGE
CROSS FIELD MAGNETOABSORPTION IN SEMICONDUCTORS
PHYS REV LETTERS V12 N17 PP471/473 27 APR 64
BY VREHEN Q H F — DDC NUMBER 443007
LAX B — INSTRUMENT AF 19<604>07344
PROJ/TASK 9764 00

AFOSR 64 1199
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
EUROPIUM ORTHOSILICATE, A NEW TRANSPARENT FERROMAGNET
PHYS REV LETTERS V11 N6 PP251 252 15 SEP 63
BY SHAFER M W — DDC NUMBER 443008
MCGUIRE T R — INSTRUMENT AF 49<638>01230
SUITS J C — PROJ/TASK 9763 02

AFOSR 64 1200
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
NUCLEAR MAGNETIC RESONANCE OF GD155 AND GD157 IN THE CUBIC FERROMAGNET GDN
PHYS REV LETTERS V12 N1 PP20/21 6 JAN 64
BY BOYD E L — DDC NUMBER 443009
GAMBINO R J — INSTRUMENT AF 49<638>01230
PROJ/TASK 9763 02

AFOSR 64 1201
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
APPLICATION OF SPIN/WAVE THEORY TO EUS
PHYS REV V133 N3A PPA811/A818 3 FEB 64
BY CHARAP S H — DDC NUMBER 443010
BOYD E L — INSTRUMENT AF 49<638>01230
PROJ/TASK 9763 02

AFOSR 64 1202
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
EPR OF EXCHANGE COUPLED PAIRS OF EU2 PLUS IN CAO AND SRO
J APPL PHYS V35 N3 PP989/990 MAR 64
BY CALHOUN B A — DDC NUMBER 443011
OVERMEYER J — INSTRUMENT AF 49<638>01230
PROJ/TASK 9763 02

AFOSR 64 1203
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
SPECIFIC HEAT OF EUS
SOLID STATE COMMUN V1 N6 PP127/131 1963
BY MORUZZI V L — DDC NUMBER 443013
TEANEY D T — INSTRUMENT AF 49<638>01230
PROJ/TASK 9763 02

AFOSR 64 1204
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
THE CUBIC FIELD SPLITTING OF THE GROUND STATE OF EU2 PLUS IN ALKALINE EARTH OXIDES
PHYS LETTERS V9 N2 PP108/109 1 APR 64
BY OVERMEYER J — DDC NUMBER 443012
GAMBINO R J — INSTRUMENT AF 49<638>01230
PROJ/TASK 9763 02

AFOSR 64 1205
INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
FERROMAGNETIC EUROPIUM COMPOUNDS
J APPL PHYS V35 N3 PT2 PP984/988 MAR 1964
BY MCGUIRE T R — DDC NUMBER 443014
SHAFER M W — INSTRUMENT AF 49<638>01230
PROJ/TASK 9763 02

AFOSR 64 1207
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
TIME AND FIELD EFFECTS IN THE ELECTRICAL CONDUCTION OF THIN METALLIC LAYERS AT LOW TEMPERATURES
PHYSICA V30 PP389/397 1964
BY HIRSCH A A — DDC NUMBER 443015
FRIEDMAN N — INSTRUMENT AF 61<052>00481
PROJ/TASK 9763 02

AFOSR 64 1208
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
ELECTRICAL CONDUCTION OF THIN METALLIC LAYERS AT HIGH FREQUENCIES DOWN TO LIQUID HELIUM TEMPERATURES
PHYSICA V30 PP258/264 1964
BY HIRSCH A A — DDC NUMBER 443016
BAZIAN S — INSTRUMENT AF 61<052>00481
PROJ/TASK 9763 02

AFOSR 64 1209
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
EFFECT OF COLD ROLLING ON MAGNETIZATION REVERSAL OF HIGH PURITY NICKEL TAPES
J APPL PHYS V35 N3 PT2 PP909/910 MAR 1964
BY HIRSCH A A — DDC NUMBER 443017
INSTRUMENT AF 61<052>00481
PROJ/TASK 9763 02

AFOSR 64 1212
PENNSYLVANIA STATE U UNIVERSITY PARK
BOMBARDMENT OF TUNGSTEN WITH 20/KEV HELIUM ATOMS IN A FIELD ION MICROSCOPE
J APPL PHYS V35 N4 PP1256/1261 APR 64
BY SINHA M K — DDC NUMBER 443018
MULLER E W — INSTRUMENT AF/AFOSR /0096/62
PROJ/TASK 9761 03

AFOSR 64 1213
CALIFORNIA U LA JOLLA
SIMPLE MODEL FOR THE SUPERCONDUCTIVITY OF LANTHANUM AND URANIUM
PHYS REV V134 N1A PPA15/A21 6 APR 64
BY KUPER C G — DDC NUMBER 443019
JENSEN M A — INSTRUMENT AF/AFOSR /0344/62
HAMILTON D C — PROJ/TASK 9763 02

AFOSR 64 1214
INSTITUTO ELETTROTECNICO NAZIONALE
TORINO ITALY
GRAPHITE DEFECTS OBSERVED BY ELECTRON MICROSCOPY
J APPL PHYS V35 N3 PT1 PP683/685 MAR 64
BY BONFIGLIOLI G — DDC NUMBER 443020
MOJONI A — INSTRUMENT AF/EOAR /0087/63
PROJ/TASK 9763 02

AFOSR 64 1215
PITTSBURGH U PA
QUESTION OF SIZE CORRECTIONS TO THE STEADY DIAMAGNETIC SUSCEPTIBILITY OF SMALL SYSTEMS
PHYS REV V134 N2A PPA336/A344 20 APR 64
BY FRIEDMAN L — DDC NUMBER 443021
INSTRUMENT AF/AFOSR /0196/63
PROJ/TASK 9761 01

AFOSR 64 1216
PITTSBURGH U PA
EFFECT OF NONUNIFORM MAGNETIZATION ON THE SPIN / WAVE SPECTRUM IN THIN FERROMAGNETIC FILMS
J APPL PHYS V35 N3 PT2 PP804/805 MAR 1964
BY DAVIES J T — DDC NUMBER 443022
INSTRUMENT AF/AFOSR /0196/63
PROJ/TASK 9761 01

AFOSR 64 1217
CALIFORNIA U LA JOLLA
SUPERCONDUCTIVITY OF THE NOBLE METALS AND ITS ALLOYS < GERMAN >
Z METALK V55 N4 PP195/199 1964
BY RAUB C — DDC NUMBER 443023
INSTRUMENT AF/AFOSR /0631/64
PROJ/TASK 9763 02

AFOSR 64 1218
CALIFORNIA U LA JOLLA
SUPERCONDUCTING HUME / ROTHERY PHASE
PHYS LETTERS V9 N2 PP100/101 1 APR 64
BY MERRIAM M F — DDC NUMBER 443024
INSTRUMENT AF/AFOSR /0631/64
PROJ/TASK 9763 02

AFOSR 64 1219
PENNSYLVANIA STATE U UNIVERSITY PARK
REFLECTION AND TRANSMISSION OF ELECTRONS THROUGH SURFACE POTENTIAL BARRIERS
SURFACE SCI V1 N2 PP194/212 APR 64
BY CUTLER P H — DDC NUMBER 442847
DAVIS J C — INSTRUMENT AF/AFOSR /0100/61
PROJ/TASK 9761 01

AFOSR 64 1220
PENNSYLVANIA STATE U UNIVERSITY PARK
THE EFFECT OF CORRELATION ON THE SURFACE POTENTIAL OF A FREE ELECTRON METAL
J PHYS CHEM SOLIDS V25 PP105/113 1964
BY LOUCKS T L — DDC NUMBER 442925
CUTLER P H — INSTRUMENT AF/AFOSR 0100/61
PROJ/TASK 9761 01

AFOSR 64 1221
PENNSYLVANIA STATE U UNIVERSITY PARK
BAND STRUCTURE AND FERMI SURFACE OF BERYLLIUM
PHYS REV V133 N3A PPA819/A829 3 FEB 64
BY LOUCKS T L — DDC NUMBER 442848
CUTLER P H — INSTRUMENT AF/AFOSR /0100/61
PROJ/TASK 9761 01

AFOSR 64 1222
UPPSALA U SWEDEN
PARALLEL FIELD MAGNETOACOUSTIC EFFECT IN ANTIMONY
SOLID STATE COMMUN V2 PP7/8 1964
BY BECKMAN O — DDC NUMBER 442850
ERIKSSON L — INSTRUMENT AF/EOAR /0053/63
HORNFELDT S — PROJ/TASK 9763 02

AFOSR 64 1223
UPPSALA U SWEDEN
DISLOCATION RELAXATION IN ALUMINUM
SOLID STATE COMMUN V1 PP234/236 1963
BY MONGY M — DDC NUMBER 442851
SALAMA K — INSTRUMENT AF/EOAR /0053/63
BECKMAN O — PROJ/TASK 9763 02

AFOSR 64 1224
MCMASTER U HAMILTON ONTARIO CANADA
THE OXIDATION KINETICS OF ZIRCONIUM IN THE TEMPERATURE RANGE 400 DEGREES / 600 DEGREES C
J ELECTROCHEM SOC V111 N5 PP564/568 MAY 1964
BY HUSSEY R J — DDC NUMBER 442802
SMELTZER W W — INSTRUMENT AF/AFOSR /0515/64
PROJ/TASK 9763 01

AFOSR 64 1225
PENNSYLVANIA STATE U UNIVERSITY PARK
HIGH TEMPERATURE TRANSITIONS IN RARE EARTH NIOBATES AND TANTALATES
J AM CERAM SOC V47 N2 PP55/58 FEB 64
BY STUBICAN V S
INSTRUMENT AF/AFOSR /0208/63
PROJ/TASK 9761 02

AFOSR 64 1226
MASSACHUSETTS INST OF TECH CAMBRIDGE
QUANTUM THEORY OF INTERBAND FARADAY AND VOIGT EFFECTS
PHYS REV V134 N1A PPA140/A153 6 APR 64
BY HALPERN J — DDC NUMBER 442811
LAX B — INSTRUMENT AF 19<604>07344
NISHINA Y — PROJ/TASK 9764 00

AFOSR 64 1227
MCMASTER U HAMILTON ONTARIO CANADA
THE PARABOLIC OXIDATION KINETICS OF ALPHA ZIRCONIUM AT 850 DEGREES C
ACTA MET V12 PP409/415 APR 64
BY WALLWORK G R — DDC NUMBER 442817
SMELTZER W W — INSTRUMENT AF/AFOSR /0108/61
ROSA C J — PROJ/TASK 9763 01

AFOSR 64 1229
MCMASTER U HAMILTON ONTARIO CANADA
THE EVAPORATION OF IRON CHROMIUM ALLOYS CONTAINING 5 AND 25 PER CENT CHROMIUM IN THE TEMPERATURE RANGE 900 DEGREES/ 1080 DEGREES C
J ELECTROCHEM SOC V110 N9 PP997/1001 SEP 63
BY MORRIS L A — DDC NUMBER 442854
SMELTZER W W — INSTRUMENT AF/AFOSR /0108/61
PROJ/TASK 9763 01

AFOSR 64 1230
ARIZONA STATE U TEMPE
OXYGEN VACANCIES AND ELECTRICAL CONDUCTION IN METAL OXIDES
PHYS REV V133 N5A PPA1431/A1436 2 MAR 64
BY KEVANE C J — DDC NUMBER 442809
INSTRUMENT AF/AFOSR /0130/62
PROJ/TASK 9763 02

AFOSR 64 1231
WAYNE STATE U DETROIT MICH
LOW TEMPERATURE ELASTIC MODULI OF ALUMINUM
J APPL PHYS V35 N2 PP327/330 FEB 64
BY KAMM G N — DDC NUMBER 442807
ALERS G A — INSTRUMENT AF/AFOSR /0379/62
PROJ/TASK 9761 03

AFOSR 64 1233
CALIFORNIA U LA JOLLA
ON THE SUPERCONDUCTIVITY OF TERNARY BETA TITANIUM ALLOYS < GERMAN >
Z PHYSIK V178 PP216/220 1964
BY RAUB C J — DDC NUMBER 442805
INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 02

AFOSR 64 1234
CALIFORNIA U LA JOLLA
SUPERCONDUCTIVITY OF SOLID SOLUTIONS OF TI AND ZR WITH CO, RH, AND IR
PHYS REV V133 N4A PPA932/A934 17 FEB 64
BY RAUB C J — DDC NUMBER 442808
HULL G W JR — INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 02

AFOSR 64 1235
CALIFORNIA U RIVERSIDE
THERMAL RESISTANCE PRODUCED BY POINT IMPERFECTIONS IN CRYSTALS
NUOVO CIMENTO SERX V29 PP883/891 16 AUG 63
BY CALLAWAY J — DDC NUMBER 442806
INSTRUMENT AF/AFOSR /0318/62
PROJ/TASK 9761 01

AFOSR 64 1236
CASE INST OF TECH CLEVELAND OHIO
GALVANOMAGNETIC INVESTIGATION OF THE FERMI SURFACE OF MAGNESIUM
PHYS REV V133 N2A PPA443/A451 20 JAN 64
BY STARK R W — DDC NUMBER 442803
ECK T G — INSTRUMENT AF/AFOSR /0222/62
GORDON W L — PROJ/TASK 9763 02

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CHICAGO U ILL
TEMPERATURE DEPENDENCE OF THE ULTRASONIC ATTENUATION IN GERMANIUM
PHYS REV V132 N6 PP2477/2483 15 DEC 63
BY MILLER B I — DDC NUMBER 442852
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ROCHESTER U N Y
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BY DEXTER D L — DDC NUMBER 442804
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CATHOLIC U OF LOUVAIN BELGIUM
A CRYOST[illegible] FOR TEMPERATURES BETWEEN 14 AND 300 DEGREES K, ADAPTABLE FOR EXPERIMENTS AT HIGH PRESSURE
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BY VAN ITTERBEEK A — DDC NUMBER 442799
VERBEKE O — INSTRUMENT AF/EOAR /0040/63
STAES K — PROJ/TASK 9763 02
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A NINTH BARYON
PHYS REV LETTERS V12 N9 PP237/239 2 MAR 64
BY SCHWINGER J — DDC NUMBER 442853
INSTRUMENT AF 49<638>00589
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PHILIPS LABS INC IRVINGTON ON HUDSON N Y
A METHOD FOR THE DETERMINATION OF THE CENTROID OF AN X/RAY DISTRIBUTION
ACTA CRYST V16 PT11 PP1179/1180 NOV 63
BY TAYLOR J — DDC NUMBER 442820
MACK M — INSTRUMENT AF 49<638>00620
PARRISH W — PROJ/TASK 9763

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BY PARRISH W — DDC NUMBER 442775
MACK M — INSTRUMENT AF 49<638>00620
TAYLOR J M — PROJ/TASK 9763

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SYRACUSE U N Y
IMPURITY STATES ASSOCIATED WITH SUBSIDIARY ENERGY BAND MINIMA
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BY KAPLAN H — INSTRUMENT AF 49<638>00642
PROJ/TASK 9761 01

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BY STOCKER H J — DDC NUMBER 442818
STANNARD C R JR — INSTRUMENT AF 44<663>00642
KAPLAN H — PROJ/TASK 9761 01
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BY HOLM J D — DDC NUMBER 442800
MORRISH A H — INSTRUMENT AF 49<638>00803
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BY SEARLE C W — DDC NUMBER 442797
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BY BEER A C — INSTRUMENT AF 49<638>00959
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BY DAMON D H — DDC NUMBER 442814
MARTIN C R — INSTRUMENT AF 49<638>01165
MILLER R C — PROJ/TASK 9763 02

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J PHYS CHEM SOLIDS V25 PP187/190 1964
BY JONA F — DDC NUMBER 442819
MANDEL G — INSTRUMENT AF 49<638>01201
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BY JONA F — DDC NUMBER 442813
LEVER R F — INSTRUMENT AF 49<638>01201
WENDT H R — PROJ/TASK 9761 02

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BY SHAPIRA Y — DDC NUMBER 442812
LAX B — INSTRUMENT AF 19<604>07344
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WEISKRANTZ L
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BY NEAL A G
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TEXAS U AUSTIN
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BY BYRNE D
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BY LLOYD K E
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DDC NUMBER 606083
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BY SPECHT W A JR
DDC NUMBER 604690
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BY SARACHIK P E — DDC NUMBER 444267
KRANC G M — INSTRUMENT AF/AFOSR /0284/63
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BY JURY E I — DDC NUMBER 444141
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BY BRAYTON R K — DDC NUMBER 444134
MOSER J K — INSTRUMENT AF 49<638>01139
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BY MINC H — DDC NUMBER 444139
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BY STEIN F M — DDC NUMBER 444138
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BY KUSHNER H J — DDC NUMBER 444136
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BY LASALLE J P — DDC NUMBER 444135
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BY SMITH F W — INSTRUMENT NONR /225/24/
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BY FARISON J B — INSTRUMENT NONR /225/24/
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BY WUNDERMAN I — INSTRUMENT NONR /225/24/
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BY SCHMITT H J — INSTRUMENT NON/ /1866/26/
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BY KING R W P — INSTRUMENT NONR /1866/32/
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TINGLEY D G

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WU T T — PROJ/TASK 4751

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BY VAN DER ZIEL J P — INSTRUMENT NONR /1866/16/
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BY MYERS R A — INSTRUMENT NONR /1866/16/
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ARMY RESEARCH OFFICE DURHAM N C
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BY COLLINS F A
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SOME INEQUALITY CONSTRAINT PROBLEMS IN THE CALCULUS OF VARIATIONS
BY DENHAM W F
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BY BREAKWELL J V
HO Y/C
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BY MEAD C A
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BY SLOTTOW H G
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BY BYRON F W JR
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DDC NUMBER 444467
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J GEOPHYS RES V69 N11 PP2391/2394 JUN 64
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KATSUFRAKIS J
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THE DISTRIBUTION OF IONS AND ELECTRONS IN THE EARTHS EXOSPHERE
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THOMAS J O
DDC NUMBER 604040
INSTRUMENT AF/AFOSR /0370/62
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LIFETIME AND HFS OF THE /5S5P/ 1P1 STATE OF CADMIUM
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DDC NUMBER 444466
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BY SWANSON D G
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DDC NUMBER 444469
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J APPL PHYS V35 N5 PP1384/1391 MAY 1964
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DDC NUMBER 444471
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CALIFORNIA U BERKELEY
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IEEE TRANS CIRCUIT THEORY VCT/11 N1 PP104/108 MAR 64
BY PEDERSON D O
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DDC NUMBER 444473
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DDC NUMBER 604041
INSTRUMENT AF 49<638>01402
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BUNEMAN O
DDC NUMBER 444472
INSTRUMENT AF 49<638>01060
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AFOSR 64 1378
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BY RASHIP M
DDC NUMBER 60[illegible]043
INSTRUMENT AF/AFOSR /0024/64
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RENSSELAER POLYTECHNIC INST TROY N Y
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BY BEAM W R
DDC NUMBER 604046
INSTRUMENT AF/AFOSR /0194/62
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CAMBRIDGE LANGUAGE RESEARCH UNIT ENGLAND
A BROUWER TYPE SPACE TO REPLACE THE CONVENTIONAL PHYSICAL CONTINUUM WHEN PARTICLES ARE REGARDED AS DISTINCTION SYSTEMS
BY BASTIN E W
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DDC NUMBER 604044
INSTRUMENT AF 61<052>00331
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BY NA H S H
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DDC NUMBER 604045
INSTRUMENT AF/AFOSR /0008/63
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LONDON U COLL ENGLAND
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BRIT MED BULL /EXP PSYCHOL/ V20 N1 PP27/31 1964
BY AUDLEY R J
DDC NUMBER 444460
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RESPONSE INSTRUCTIONS AND THE SPEED OF RELATIVE JUDGEMENTS. I. SOME EXPERIMENTS ON BRIGHTNESS DISCRIMINATION
BRIT J PSYCHOL V55 N1 PP59/73 1964
BY AUDLEY R J
WALLIS C P
DDC NUMBER 444463
INSTRUMENT AF/EOAR /0069/62
PROJ/TASK 9769 03

AFOSR 64 1384
CAMBRIDGE LANGUAGE RESEARCH UNIT ENGLAND
THE COMMUNICATION OF ALGORITHMS
COMPUTER J V7 N1 PP28/35 APR 64
BY PARKER/RHODES A F
DDC NUMBER 444446
INSTRUMENT AF 61<052>00647
PROJ/TASK 9769 05

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NEW YORK U NEW YORK
APICTORIAL JIGSAW PUZZLES / THE COMPUTER SOLUTION OF A PROBLEM IN PATTERN RECOGNITION
IEEE TRANS ELECTRON COMPUTERS VEC/13 N2 PP118/127 APR 64
BY FREEMAN H
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DDC NUMBER 444464
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CONSTRAINT ANALYSIS OF MANY DIMENSIONAL RELATIONS
BY ASHBY W R
DDC NUMBER 604042
INSTRUMENT AF/AFOSR /0007/63
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ROCKFORD RESEARCH INST CAMBRIDGE MASS
A FORMAL THEORY OF INDUCTIVE INFERENCE. PART II
INFORM CONTROL V7 N2 PP224/254 JUN 64
BY SOLOMONOFF R J
DDC NUMBER 444470
INSTRUMENT AF/AFOSR /0377/62
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INST FOR SCIENTIFIC INFORMATION PHILADELPHIA PA
CORRELATION OF INDEXING HEADINGS AND TITLE WORDS IN THREE MEDICAL INDEXING SYSTEMS
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BY OCGNNOR J
DDC NUMBER 444452
INSTRUMENT AF/AFOSR /0257/62
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AFOSR 64 1390
CALIFORNIA U BERKELEY
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COMMUN ACM V6 N9 PP547/554 SEP 63
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DDC NUMBER 444461
INSTRUMENT AF/AFOSR /0156/62
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AFOSR 64 1391
NEW YORK U NEW YORK
A NONLINEAR SUMMATION THRESHOLD DEVICE
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DDC NUMBER 444462
INSTRUMENT AF/AFOSR /0152/62
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AFOSR 64 1392
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LINGUISTICS. BRAIN RESEARCH AND SPEECH PATHOLOGY
BY GARVIN P L
DDC NUMBER 444465
INSTRUMENT AF 49<638>01128
PROJ/TASK 9769 05

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BROOKLYN POLYTECHNIC INST BROOKLYN NY
LAMINAR BOUNDARY LAYERS WITH CHEMICAL REACTIONS. FINAL REPORT. JUN 1964
BY FOX H
DDC NUMBER 605321
INSTRUMENT AF/AFOSR /0409/62
PROJ/TASK 9783 01

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BROOKLYN POLYTECHNIC INST BROOKLYN NY
THE LAMINAR BOUNDARY LAYER WITH UNIFORM INJECTION
BY LIBBY P A
CHEN K
DDC NUMBER 606074
INSTRUMENT AF/AFOSR /0001/63
PROJ/TASK 9781 01

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CALIFORNIA INST OF TECH PASADENA
PREDICTED FLUXES AND LINE INTENSITIES IN LATE TYPE MODEL ATMOSPHERES
ANN ASTROPHYS V26 N6 PP495/560 NOV/DEC 1963
BY CAYREL R
JUGAKU J
INSTRUMENT AF 49<638>00021
PROJ/TASK 9774 01

AFOSR 64 1398
NORTH CAROLINA U CHAPEL HILL
CATALYTIC POLAROGRAPHIC CURRENT OF CERTAIN NICKEL /II/ COMPLEXES. APPLICATION TO THE ANALYSIS OF CERTAIN ORGANIC COMPOUNDS CONTAINING BASIC NITROGEN
ANAL CHEM V35 N2 PP195/199 FEB 1963
BY REILLEY C N
MARK H B JR
DDC NUMBER 444450
INSTRUMENT AF 49<638>00333
PROJ/TASK 9763

AFOSR 64 1399
NORTH CAROLINA U CHAPEL HILL
RAPID CHELOMETRIC DETERMINATION OF CHROMATE AS CR /III/ - EDTA BY REDUCTION IN THE PRESENCE OF EDTA
ANAL CHEM V34 N13 PP1707/1709 DEC 1962
BY REILLEY C N
AIKENS D A
DDC NUMBER 444449
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AFOSR 64 1400
WISCONSIN U MADISON
A STEREOCHEMICAL FACTOR IN CYCLOPROPYL CONJUGATION
PROC CHEM SOC PP25/26 JAN 1962
BY KOSOWER E M
ITO M
DDC NUMBER 444448
INSTRUMENT AF 49<638>00282
PROJ/TASK 9760

AFOSR 64 1401
WISCONSIN U MADISON
HALOGENATION WITH COPPER /II/. I. SATURATED KETONES AND PHENOL II. UNSATURATED KETONES
J ORG CHEM V28 PP630/638 MAR 1963
BY KOSOWER E M
COLE W J
WU G/S
CARDY D E
MEISTERS G
DDC NUMBER 444447
INSTRUMENT AF 49<638>00282
PROJ/TASK 9760

AFOSR 64 1402
CORNELL U ITHACA N Y
A RAMAN STUDY OF GALLIUM BROMIDE SOLUTIONS
J AM CHEM SOC V84 PP4445/4448 5 DEC 1962
BY NIXON J
PLANE R A
DDC NUMBER 444453
INSTRUMENT AF 49<638>00279
PROJ/TASK 9760

AFOSR 64 1403
CORNELL U ITHACA N Y
RAMAN SPECTRA OF AQUEOUS SOLUTIONS OF INDIUM SULFATE, NITRATE, AND PERCHLORATE
J CHEM PHYS V38 N1 PP249/250 1 JAN 63
BY HESTER R A
PLANE R A
WALRAFEN G E
DDC NUMBER 444454
INSTRUMENT AF 49<638>00279
PROJ/TASK 9760

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PURDUE U LAFAYETTE IND
MULTIDENTATE LIGAND KINETICS. IV. COPPER /II/ AND N/ HYDROXYETHYLETHYLENEDIAMINETRIACETATO/NICKELATE /II/
INORG CHEM V2 N4 PP678/683 AUG 1963
BY BYDALEK T J
MARGERUM D W
DDC NUMBER 444459
INSTRUMENT AF 49<638>00060
PROJ/TASK 9763

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INORG CHEM V2 N4 PP667/677 AUG 1963
BY MARGERUM D W
RORABACHER D B
CLARKE J F G JR
DDC NUMBER 444458
INSTRUMENT AF 49<638>00060
PROJ/TASK 9763

AFOSR 64 1406
PURDUE U LAFAYETTE IND
MULTIDENTATE LIGAND KINETICS. V. COPPER/II/ AND CYCLOHEXYLENEDIAMINETETRAACETATO/NICKELATE/II/
INORG CHEM V2 N4 PP683/688 AUG 1963
BY MARGERUM D W
BYDALEK T J
DDC NUMBER 444457
INSTRUMENT AF 49<638>00060
PROJ/TASK 9763

AFOSR 64 1407
PURDUE U LAFAYETTE IND
EXCHANGE REACTIONS OF MULTIDENTATE LIGAND COMPLEXES
RECORD CHEM PROGR V24 N4 PP237/251 DEC 1963
BY MARGERUM D W
DDC NUMBER 444456
INSTRUMENT AF 49<638>00060
PROJ/TASK 9763

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BY RORABACHER D B
MARGERUM D W
DDC NUMBER 444319
INSTRUMENT AF 49<638>00060
PROJ/TASK 9763

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PHOTOCHEMICAL STUDIES IN FLASH PHOTOLYSIS.III. PHOTOLYSIS OF ACETONE IN DIFFERENT WAVELENGTH REGIONS.
J CHEM PHYS V39 N4 PP996/1003 AUG 63
BY SHILMAN A
MARCUS R A
INSTRUMENT AF 49<638>00772
PROJ/TASK 9760 02

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MINNESOTA U MINNEAPOLIS
THE REACTION OF VINYLMERCURIC IODIDE WITH NONHALOGEN ACID
J AM CHEM SOC V86 PP2435/2440 20 JUN 1964
BY KREEVOY M M — DDC NUMBER 445074
KRETCHMER R A — INSTRUMENT AF 49(638)00711
PROJ/TASK 9762 02

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OREGON U EUGENE
CATALYTIC HYDROGENATION OF SOME NAPHTHYL ALKENES
J ORG CHEM V29 PP900/904 APR 1964
BY KLEMM L H — DDC NUMBER 444445
MANN R — INSTRUMENT AF 49(638)00473
PROJ/TASK 9761

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OREGON U EUGENE
OPTICAL RESOLUTION OF 9/SEC, /BUTYLPHENANTHRENE BY
MOLECULAR COMPLEXATION CHROMATOGRAPHY
J CHROMATOG V14 PP300/302 1964
BY KLEMM L H — DDC NUMBER 444444
DESAI K B — INSTRUMENT AF 49(638)00473
SPOONER J R JR — PROJ/TASK 9761

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OREGON U EUGENE
GAS/SOLID ADSORPTION CHROMATOGRAPHY OF SOME AROMATIC
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J CHROMATOG V13 PP40/47 1964
BY KLEMM L H — DDC NUMBER 444451
AIREE S K — INSTRUMENT AF 49(638)00473
PROJ/TASK 9761

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JOHNS HOPKINS U BALTIMORE MD
INFRARED SPECTRA OF SILYLACETYLENE AND SILYLACETYLENE/D3
J CHEM PHYS V40 N1 PP125/131 1 JAN 1964
BY REEVES R B — DDC NUMBER 444454
WILDE R E — INSTRUMENT AF 49(638)00468
ROBINSON D W — PROJ/TASK 9760

AFOSR 64 1417
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PHYSICAL PROPERTIES OF ISOTOPICALLY SUBSTITUTED FLUIDS,
FINAL REPORT, JAN 1964
BY STEELE W A — DDC NUMBER 604468
GRIGOR A — INSTRUMENT AF/AFOSR /0027/61
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CHICAGO U ILL
REACTIVE INTERMEDIATES IN CYCLOPROPANE CHEMISTRY, FINAL
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BY BROWN W G — DDC NUMBER 444507
INSTRUMENT AF/AFOSR /0080/63
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MONTEVEDEO URUGUAY
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JUL 1964
BY ESTABLE C — DDC NUMBER 604470
INSTRUMENT AF/AFOSR /0313/63
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SINGLE UNIT STUDIES OF CORTICAL AND SUBCORTICAL FUNCTION IN
UNRESTRAINED ANIMALS, FINAL REPORT, OCT 1963
BY MOUNTCASTLE V B — DDC NUMBER 604469
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MICHIGAN U ANN ARBOR MICH
RESEARCH ON DECISION PROCESSES, FINAL REPORT, JUL 1964
BY EDWARDS W — DDC NUMBER 604488
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HAWAII U HONOLULU
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BY BARTOS O J — DDC NUMBER 604471
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CHILE U SANTIAGO
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CONDITIONED REFLEXES, FINAL REPORT, AUG 1964
BY MIDDLETON S — DDC NUMBER 604477
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PROJ/TASK 9777 01

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ANATOMICAL LOCALIZATION OF TARGET LEARNING AND MEMORY,
FINAL REPORT, JUN 1964
BY YOUNG J Z — DDC NUMBER 604472
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CALIFORNIA U DAVIS
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BY BANKS D O — DDC NUMBER 604473
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BY SUNNER S — DDC NUMBER 604474
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BY ODIAN G — DDC NUMBER 604475
ACKER T — INSTRUMENT AF 49(638)01125
PLETZKE T — PROJ/TASK 9711 01
HENLEY F
MCALEVY R F III

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ROYAL INST OF TECH STOCKHOLM SWEDEN
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ARKIV KEMI V20 N34 PP417/435 1963
BY CIAVATTA L — INSTRUMENT AF 61(052)00162
PROJ/TASK 9760

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THE STRUCTURE OF ORGANOZINC REAGENTS
J ORG CHEM V28 PP3592/3593 DEC 1963
BY DESSY R E
COE G R — INSTRUMENT AF 49(638)00824
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RESOLVENT OPERATOR FORMULATION OF STATIONARY STATE
PERTURBATION THEORY
J CHEM PHYS V40 N7 PP1891/1897 APR 64
BY YARIS R — DDC NUMBER 445021
INSTRUMENT AF 49(638)00940
PROJ/TASK 9760 01

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COMMENT ON ABSORPTION AND DISPERSION OF SOUND IN CRITICAL
MIXTURES
J CHEM PHYS V40 N5 P1451 1 MAR 64
BY KENDIG A P — DDC NUMBER 445022
BIGELOW R H — INSTRUMENT AF 49(638)01273
EDMONDS P D — PROJ/TASK 9710 03
PINGS C J

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KANSAS STATE U MANHATTAN
THE CRYSTALLOGRAPHY OF SOLID NITROGEN OXIDES, SODIUM
HYPONITRITE / POTASSIUM NITRITE, FINAL REPORT, AUG 1964
BY DRAGSDORF R D — DDC NUMBER 604476
CHANG S C — INSTRUMENT AF/AFOSR /0024/61
HOLLIS R L — PROJ/TASK 9710 01

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ILLINOIS U URBANA
ELECTRICAL SPRAYING OF MACROSCOPIC LIQUID PARTICLES
UNDER PULSED CONDITIONS
BY CARSON R S — DDC NUMBER 604428
INSTRUMENT AF/AFOSR /0107/63
PROJ/TASK 9752 01

AFOSR 64 1471
GENERAL APPLIED SCIENCES LAB INC WESTBURY NY
REVIEW OF PROBLEMS IN APPLICATION OF SUPERSONIC
COMBUSTION
BY FERRI A — DDC NUMBER 604441
INSTRUMENT AF 49(638)00991
PROJ/TASK 9711 01

AFOSR 64 1472
GENERAL APPLIED SCIENCES LAB INC WESTBURY NY
AN EXPERIMENTAL AND ANALYTICAL INVESTIGATION OF IGNITION
AND AXI/SYMMETRIC TURBULENT FLAME PROPAGATION IN HYDROGEN
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BY TAMAGNO J — DDC NUMBER 604429
TRENTACOSTE N — INSTRUMENT AF 49(638)00991
PROJ/TASK 9711 01

AFOSR 64 1473
GENERAL APPLIED SCIENCES LAB INC WESTBURY NY
LINEARIZED APPROXIMATIONS TO THE BOUNDARY LAYER EQUATIONS
BY SCHETZ J A — DDC NUMBER 604430
JANNONE J — INSTRUMENT AF 49(638)00991
PROJ/TASK 9711 01

AFOSR 64 1474
ILLINOIS U URBANA
THE STABILITY OF ELECTRIFIED LIQUID SURFACES
BY SCHNEIDER J M — DDC NUMBER 604431
INSTRUMENT AF/AFOSR /0107/64
PROJ/TASK 9752 01

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TEXAS U AUSTIN
CYCLOTRON RESONANCE IN SLIGHTLY IONIZED GASES
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BY FEHSENFELD F C — DDC NUMBER 445170
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TEXAS U AUSTIN
SPECTRA EXCITED IN A HELIUM AFTERGLOW
J CHEM PHYS V40 N3 PP701/712 1 FEB 1964
BY COLLINS C B — DDC NUMBER 445173
ROBERTSON W W — INSTRUMENT AF/AFOSR /0273/63
PROJ/TASK 9750 02

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TEXAS U AUSTIN
HELIUM AFTERGLOW, II, MOLECULAR SPECTRUM
J CHEM PHYS V40 N8 PP2208/2211 APR 64
BY COLLINS C B — DDC NUMBER 445175
ROBERTSON W W — INSTRUMENT AF/AFOSR /0273/63
PROJ/TASK 9750 02

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ILLINOIS U URBANA
PARAMETERS INFLUENCING THE CHARGE TO MASS RATIO OF. ELECTRICALLY SPRAYED LIQUID PARTICLES
BY HOGAN J J
DDC NUMBER 604583
INSTRUMENT AF/AFOSR /0107/63
PROJ/TASK 9752 01

AFOSR 64 1479
PURDUE U LAFAYETTE IND
CONTINUOUS MEASUREMENT OF THE BURNING RATES OF SOLID ROCKET PROPELLANTS
BY OSBORN J R
BURICK R J
DDC NUMBER 601648
INSTRUMENT AF/AFOSR /0207/63
PROJ/TASK 9751 01

AFOSR 64 1480
PURDUE U LAFAYETTE IND
ANALYSIS OF A SERVO SYSTEM FOR CONTINUOUS MEASUREMENT OF THE BURNING RATE OF A SOLID PROPELLANT
BY OSBORN J R
PANELLA R F
DDC NUMBER 604556
INSTRUMENT AF/AFOSR /0207/63
PROJ/TASK 9751 01

AFOSR 64 1481
TEXAS U AUSTIN
SPECTRA EXCITED IN AN ARGON AFTERGLOW
J CHEM PHYS V40 N9 PP2619/2626 MAY 64
BY PRINCE J F
COLLINS C B
ROBERTSON W W
DDC NUMBER 445167
INSTRUMENT AF/AFOSR /0273/63
PROJ/TASK 9750 02

AFOSR 64 1482
TEXAS U AUSTIN
HELIUM AFTERFLOW.I.ATOMIC SPECTRUM
J CHEM PHYS V40 N8 PP2202/2208 APR 64
BY COLLINS C B
ROBERTSON W W
DDC NUMBER 445168
INSTRUMENT AF/AFOSR /0273/63
PROJ/TASK 9750 02

AFOSR 64 1483
TEXAS U AUSTIN
SPECTRAL EMISSION OF THE HELIUM AFTERGLOW
J CHEM PHYS V40 N10 PP2909/2914 MAY 1964
BY NILES F E
ROBERTSON W W
DDC NUMBER 445169
INSTRUMENT AF/AFOSR /0273/63
PROJ/TASK 9750 02

AFOSR 64 1484
WISCONSIN U MADISON
A NOTE ON THE STABILITY OF PEER JUDGMENTS IN INDEPENDENT SITUATIONS
J PSYCHOL STUDIES V14 N1 PP45/47 1963
BY BORGATTA E F
SPERLING B C
DDC NUMBER 445171
INSTRUMENT AF/AFOSR /0016/62
PROJ/TASK 9778 02

AFOSR 64 1485
WISCONSIN U MADISON
A NEW SYSTEMATIC INTERACTION OBSERVATION SYSTEM / BEHAVIOR SCORES SYSTEM /BSS SYSTEM/
J PSYCHOL STUDIES V14 N1 PP24/44 1963
BY BORGATTA E F
DDC NUMBER 445172
INSTRUMENT AF/AFOSR /0016/62
PROJ/TASK 9778 02

AFOSR 64 1486
HEBREW U JERUSALEM ISRAEL
CORRELATES OF AMBIVALENCE. RISK / TAKING AND RIGIDITY
BY MINKOWICH A
DDC NUMBER 604585
INSTRUMENT AF/EOAR /0062/63
PROJ/TASK 9778 01

AFOSR 64 1489
PITTSBURGH U PA
SOME N / BUTYL AND PHENYL PHOSPHONIUM SALTS
J CHEM ENG DATA V9 N2 P255 APR 64
BY WITSCHARD G
GRIFFIN C F
DDC NUMBER 446142
INSTRUMENT AF/AFOSR /0048/62
PROJ/TASK 9762 01

AFOSR 64 1490
COLUMBIA U NEW YORK N Y
OPTICAL PUMPING AND CHEMICAL REACTIONS
J CHEM PHYS V40 N6 PP1678/1683 MAR 1964
BY MCNEAL R J
BERNHEIM R A
BERSOHN R
DORFMAN M
DDC NUMBER 446351
INSTRUMENT AF/AFOSR /0228/62
PROJ/TASK 9760 02

AFOSR 64 1491
COLUMBIA U NEW YORK N Y
SPIN RELAXATION OF OPTICALLY PUMPED RUBIDIUM ATOMS IN MOLECULAR BUFFER GASES
J CHEM PHYS V40 N4 PP1089/1098 FEB 1964
BY MCNEAL R J
DDC NUMBER 446143
INSTRUMENT AF/AFOSR /0228/62
PROJ/TASK 9760 02

AFOSR 64 1492
STANFORD U CALIF
CONFIGURATION OF THE POLY-/ /DIMETHYLSILOXANE/ CHAIN. I. THE TEMPERATURE COEFFICIENT OF THE UNPERTURBED EXTENSION. II.UNPERTURBED DIMENSIONS AND SPECIFIC SOLVENT EFFECTS III. CORRELATION OF THEORY AND EXPERIMENT
J AM CHEM SOC V86 PP138/152 JAN 1964
BY MARK J E
FLORY P J
CRESCENZI V
DDC NUMBER 445929
INSTRUMENT AF/AFOSR /0131/62
PROJ/TASK 9760 03

AFOSR 64 1493
STANFORD U CALIF
MEAN SQUARE MOMENTS OF CHAIN MOLECULES
PROC NAT ACAD SCI V51 N6 PP1060/1067 JUN 1964
BY FLORY P J
DDC NUMBER 446119
INSTRUMENT AF/AFOSR /0131/62
PROJ/TASK 9760 03

AFOSR 64 1494
STANFORD U CALIF
THE TEMPERATURE COEFFICIENT OF THE POLYDIMETHYLSILOXANE CHAIN CONFIGURATION FROM SWELLING EQUILIBRIUM / MEASUREMENTS
J PHYS CHEM V68 N5 PP1092/1095 MAY 1964
BY MARK J E
DDC NUMBER 445931
INSTRUMENT AF/AFOSR /0131/62
PROJ/TASK 9760 03

AFOSR 64 1495
INDIANA U BLOOMINGTON
DIAMAGNETIC NUCLEAR SHIELDING CONSTANTS FOR NEUTRAL ATOMS
J CHEM PHYS V40 N11 PP3447/3448 JUN 1964
BY BONHAM R A
STRAND T G
DDC NUMBER 446140
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1496
INDIANA U BLOOMINGTON
THE THEORY OF ELECTRON SCATTERING FROM MOLECULES. I. THEORETICAL DEVELOPMENT
J PHYS CHEM V67 PP1472/1474 JUL 1963
BY IIJIMA T
BONHAM R A
KODO T
DDC NUMBER 446126
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1497
INDIANA U BLOOMINGTON
THE THEORY OF ELECTRON SCATTERING FROM MOLECULES II. MOLECULAR HYDROGEN
J PHYS CHEM V67 PP2266/2272 NOV 1963
BY BONHAM R A
IIJIMA T
DDC NUMBER 446125
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1498
INDIANA U BLOOMINGTON
MODIFICATION TO THE NEWTON/RAPHSON METHOD FOR THE FITTING OF NONLINEAR FUNCTIONS BY LEAST SQUARES
J CHEM PHYS V39 N5 PP1307/1310 SEP 63
BY STRAND T G
KOHL D A
BONHAM R A
DDC NUMBER 446358
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1499
INDIANA U BLOOMINGTON
ANALYTICAL EXPRESSIONS FOR POTENTIALS OF NEUTRAL THOMAS / FERMI / DIRAC ATOMS AND FOR THE CORRESPONDING ATOMIC SCATTERING FACTORS FOR X/RAYS AND ELECTRONS
J CHEM PHYS V39 N9 PP2200/2204 NOV 63
BY BONHAM R A
STRAND T G
DDC NUMBER 446362
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1500
INDIANA U BLOOMINGTON
X/RAY SCATTERING FACTOR OF A HYDROGEN ATOM IN A HYDROGEN MOLECULE
ACTA CRYST V16 PT10 PP1061/1062 OCT 1963
BY IIJIMA T
BONHAM R A
DDC NUMBER 446363
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1501
INDIANA U BLOOMINGTON
THEORY OF THE EFFECT OF TEMPERATURE ON THE ELECTRON DIFFRACTION PATTERNS OF DIATOMIC MOLECULES
J CHEM PHYS V38 N10 PP2319/2325 MAY 1963
BY BONHAM R A
PEACHER J L
DDC NUMBER 446360
INSTRUMENT AF/AFOSR /0322/62
PROJ/TASK 9760 02

AFOSR 64 1502
MINNESOTA U MINNEAPOLIS
SOLVOLYTIC DEOXYMERCURATION CATALYZED BY IODIDE ION
J ORG CHEM V29 PP1639/1640 1964
BY KREEVOY MM
TURNER M A
DDC NUMBER 446364
INSTRUMENT AF/AFOSR /0016/63
PROJ/TASK 9762 02

AFOSR 64 1503
VICTORIA U WELLINGTON NEW ZEALAND
SURFACE ADSORPTION OF 57CO /57FE ON IRON/II/ AND COBALT/II/ OXALATES.
J CHEM SOC V130 PP653/658 FEB 64
BY DUNCAN J F
BRADY P R
DDC NUMBER 446357
INSTRUMENT AF/AFOSR /0027/63
PROJ/TASK 9710 03

AFOSR 64 1504
IOWA STATE U OF SCIENCE AND TECH AMES
NATURE OF THE POLAR EFFECT IN REACTIONS OF ATOMS AND RADICALS. II. REACTIONS OF CHLORINE ATOMS AND PEROXY RADICALS
J AM CHEM SOC V86 PP2357/2364 JUN 1964
BY RUSSELL G A
WILLIAMSON R C JR
DDC NUMBER 446120
INSTRUMENT AF/AFOSR /0038/63
PROJ/TASK 9762 01

AFOSR 64 1505
IOWA STATE U OF SCIENCE AND TECH AMES
DIRECTIVE EFFECTS IN ALIPHATIC SUBSTITUTIONS. XXV. REACTIVITY OF ARALKANES, ARALKENES, AND BENZYLIC ETHERS TOWARD PEROXY RADICALS
J AM CHEM SOC V86 PP2364/2367 JUN 1964
BY RUSSELL G A
WILLIAMSON R C JR
DDC NUMBER 446120
INSTRUMENT AF/AFOSR /0038/63
PROJ/TASK 9762 01

AFOSR 64 1506
NORTH DAKOTA STATE U FARGO
THE ANODIC OXIDATION OF CHLORIDE TO PERCHLORATE ON A SEMI / MICRO SCALE
J INORG NUCL CHEM V26 PP663/665 1964
BY BILLIGMEIER J E
MCDONALD R L
DDC NUMBER 446368
INSTRUMENT AF/AFOSR /0065/63
PROJ/TASK 9710 02

AFOSR 64 1507
AEROJET-GENERAL CORP AZUSA CALIF
SPECTRA OF MATRIX ISOLATED WATER IN THE PURE ROTATION REGION
J CHEM PHYS V39 N12 PP3430/3432 15 DEC 1963
BY ROBINSON D W
DDC NUMBER 446124
INSTRUMENT AF/AFOSR /0093/63
PROJ/TASK 9752

AFOSR 64 1508
OREGON STATE U CORVALLIS
MECHANISMS OF REACTIONS OF SULFINIC ACIDS. VI. THE MECHANISM OF THE DISULFIDE / SULFINIC ACID REACTION
J AM CHEM SOC V86 PP2270/2278 JUN 1964
BY KICE J L
MORKVED E H
DDC NUMBER 446141
INSTRUMENT AF/AFOSR /0106/63
PROJ/TASK 9762 03

AFOSR 64 1509
OKLAHOMA STATE U STILLWATER
NUCLEOPHILIC DISPLACEMENT REACTIONS ON ORGANOPHOSPHORUS ESTERS BY GRIGNARD REAGENTS. I
J AM CHEM SOC V86 PP1787/1790 MAY 1964
BY BERLIN K D
AUSTIN T H
STONE K L
DDC NUMBER 446110
INSTRUMENT AF/AFOSR /0132/63
PROJ/TASK 9762 02

AFOSR 64 1510
OKLAHOMA STATE U STILLWATER
UNSYMMETRICAL TERTIARY PHOSPHINE OXIDES FROM DIPHENYL PHENYLPHOSPHONATE / A CONVENIENT SYNTHESIS
CHEM IND /LONDON/ PP974/975 6 JUN 1964
BY BERLIN K D
NAGABHUSHANAM M
DDC NUMBER 446118
INSTRUMENT AF/AFOSR /0132/63
PROJ/TASK 9762 02

AFOSR 64 1511
CORNELL U ITHACA N Y
THE CATION RADICAL OF TETRAKIS/DIMETHYLAMINO/ ETHYLENE
J AM CHEM SOC V86 PP2101/2105 JUN 1964
BY KUWATA K
GESKE D H
DDC NUMBER 446115
INSTRUMENT AF/AFOSR /0166/63
PROJ/TASK 9762 03

AFOSR 64 1512
YALE U NEW HAVEN CONN
ATOMIC COLLISION PROCESSES. RADIATIVE CAPTURE OF ELECTRONS BY HALOGEN ATOMS
PROC INTERN CONF PHYS ELECTRON ATOMIC COLLISIONS 3RD LONDON 22/26 JULY 1963 PP543/548
BY BERRY R S
DAVID C W
DDC NUMBER 446114
INSTRUMENT AF/AFOSR /0183/63
PROJ/TASK 9760 02

AFOSR 64 1513
PITTSBURGH U PA
MAGNETIC CHARACTERISTICS OF LAVES PHASES CONTAINING LANTHANIDE METALS COMBINED WITH NICKEL
J APPL PHYS V34 N4 PT2 PP1356/1357 APR 63
BY SKRABEK E A
WALLACE W E
DDC NUMBER 446361
INSTRUMENT AF/AFOSR /0187/63
PROJ/TASK 9710 02

AFOSR 64 1514
PITTSBURGH U PA
MAGNETIC PROPERTIES OF GDFE2 AND DYFE2
J CHEM PHYS V40 N4 PP1167/1168 FEB 64
BY MANSMANN M
WALLACE W E
DDC NUMBER 446359
INSTRUMENT AF/AFOSR /0187/63
PROJ/TASK 9710 02

AFOSR 64 1515
KANSAS U LAWRENCE
POLAROGRAPHIC EVALUATION OF THE FORMATION CONSTANTS OF AQUO / COPPER/II/ COMPLEXES IN ACETONE
INORG CHEM V3 N5 PP661/663 MAY 1964
BY NELSON I V
IWAMOTO R T
DDC NUMBER 446370
INSTRUMENT AF/AFOSR /0220/63
PROJ/TASK 9710 03

AFOSR 64 1516
KANSAS U LAWRENCE
VOLTAMMETRIC EVALUATION OF THE STABILITY OF TRICHLORIDE, TRIBROMIDE, AND TRIIODIDE IONS IN NITROMETHANE, ACETONE AND ACETONITRILE
J ELECTROANAL CHEM V7 PP218/221 1964
BY NELSON I V
IWAMOTO R T
DDC NUMBER 446374
INSTRUMENT AF/AFOSR /0220/63
PROJ/TASK 9710 03

AFOSR 64 1517
PRINCETON U N J
INFRARED SPECTROSCOPIC STUDY OF ISONITRILE DERIVATIVES OF THE IRON CARBONYL HALIDES
INORG CHEM V3 N4 PP584/589 APR 1964
BY TAYLOR R C
HORROCKS W D JR
DDC NUMBER 446135
INSTRUMENT AF/AFOSR /0242/63
PROJ/TASK 9710 01

AFOSR 64 1518
CANTERBURY U CHRISTCHURCH NEW ZEALAND
PHOTOMETRIC STUDY OF THE REACTION OF IODINE WITH ACTIVE NITROGEN
J PHYS CHEM V68 N2 PP362/367 FEB 1964
BY FREEMAN C G
PHILLIPS L F
DDC NUMBER 446348
INSTRUMENT AF/AFOSR /0264/63
PROJ/TASK 9760 02

AFOSR 64 1519
NEW YORK STATE U OF RESEARCH FOUNDATION BUFFALO
DIELECTRIC CONSTANT OF HYDROGEN BONDED LIQUIDS.III. SUPERHEATED ALCOHOLS
J CHEM PHYS V40 N10 PP3058/3066 MAY 64
BY DANNHAUSER W
BAHE L W
DDC NUMBER 446369
INSTRUMENT AF/AFOSR /0271/63
PROJ/TASK 9760 03

AFOSR 64 1520
INDIANA U BLOOMINGTON
THE NATURE OF THE TWO ELECTRON CHEMICAL BOND. III. NATURAL ORBITALS FOR H2
REV MOD PHYS V35 N3 PP624/629 JUL 1963
BY HAGSTROM S
SHULL H
DDC NUMBER 445930
INSTRUMENT AF/AFOSR /0362/63
PROJ/TASK 9760 01

AFOSR 64 1521
INDIANA U BLOOMINGTON
ELECTRON PAIRS IN THE BERYLLIUM ATOM
J PHYS CHEM V66 PP2281/2283 DEC 1962
BY ALLEN T L
SHULL H
DDC NUMBER 445974
INSTRUMENT AF/AFOSR /0362/63
PROJ/TASK 9760 01

AFOSR 64 1522
INDIANA U BLOOMINGTON
THE NATURE OF THE TWO ELECTRON CHEMICAL BOND. VI. NATURAL ORBITAL ANALYSIS FOR HEH POSITIVE
MOLECULAR ORBITALS IN CHEMISTRY PHYSICS AND BIOLOGY ACADEMIC PRESS INC NEW YORK PP227/239 1964
BY ANEX B G
SHULL H
DDC NUMBER 446371
INSTRUMENT AF/AFOSR /0362/63
PROJ/TASK 9760 01

AFOSR 64 1523
INDIANA U BLOOMINGTON
CONFIGURATION INTERACTION STUDY OF THE LITHIUM HYDRIDE MOLECULE
J CHEM PHYS V36 N5 PP1361/1370 MAR 62
BY EBBING D D
DDC NUMBER 446372
INSTRUMENT AF/AFOSR /0362/63
PROJ/TASK 9760 01

AFOSR 64 1524
INDIANA U BLOOMINGTON
GROUND STATE OF THE HEH POSITIVE MOLECULE ION
J CHEM PHYS V38 N7 PP1651/1662 APR 1963
BY ANEX B G
DDC NUMBER 446373
INSTRUMENT AF/AFOSR /0362/63
PROJ/TASK 9760 01

AFOSR 64 1525
CHICAGO U ILL
ON THE KINETIC THEORY OF DENSE FLUIDS. XVI. THE IDEAL IONIC MELT
J CHEM PHYS V40 N5 PP1347/1362 MAR 64
BY BERNE B
RICE S A
DDC NUMBER 446400
INSTRUMENT AF/AFOSR /0369/63
PROJ/TASK 9760 01

AFOSR 64 1526
CHICAGO U ILL
PERTURBATION CALCULATION OF MIXED PAIR CORRELATION FUNCTIONS
PHYS FLUIDS V7 N3 PP402/406 MAR 64
BY LOWRY B A
DAVIS H T
RICE S A
DDC NUMBER 446401
INSTRUMENT AF/AFOSR /0369/63
PROJ/TASK 9760 01

AFOSR 64 1527
CHICAGO U ILL
ROLE OF HARD CORE COLLISIONS WITH LARGE ANGLE DEFLECTIONS IN THE KINETIC THEORY OF DENSE FLUIDS
J CHEM PHYS V40 N6 PP1582/1589 MAR 64
BY BERNE B
GRAY P
DDC NUMBER 446347
INSTRUMENT AF/AFOSR /0369/63
PROJ/TASK 9760 01

AFOSR 64 1528
PENNSYLVANIA U PHILADELPHIA
ISOTOPE EFFECTS FOR SOLVOLYSIS OF T / BUTYL CHLORIDE AND T / BUTYL / D9 CHLORIDE IN SOLVENT MIXTURES OF CONSTANT IONIZING POWER
J AM CHEM SOC V86 N9 P1900 MAY 1964
BY THORNTON E R
FRISONE G J
DDC NUMBER 446402
INSTRUMENT AF/AFOSR /0431/63
PROJ/TASK 9762 03

AFOSR 64 1529
MCMASTER U HAMILTON ONTARIO CANADA
CATIONS AND OXY CATIONS OF IODINE. II. SOLUTIONS OF IODOSYL SULFATE, IODINE DIOXIDE, AND IODIC ACID // IODINE MIXTURES IN SULFURIC ACID AND DILUTE OLEUM
INORG CHEM V3 N7 PP972/977 JUL 1964
BY GILLESPIE R J
SENIOR J B
DDC NUMBER 445 56
INSTRUMENT AF/AFOSR /0516/64
PROJ/TASK 9710 01

AFOSR 64 1530
MCMASTER U HAMILTON ONTARIO CANADA
THE STEREOCHEMISTRY OF FIVE / CO/ORDINATION. PART I. NON / TRANSITION ELEMENTS
J CHEM SOC PP4672/4678 OCT 1963
BY GILLESPIE R J
DDC NUMBER 446403
INSTRUMENT AF/AFOSR /0516/64
PROJ/TASK 9710 01

AFOSR 64 1531
MCMASTER U HAMILTON ONTARIO CANADA
THE STEREOCHEMISTRY OF FIVE / CO/ORDINATION. PART II. TRANSITION ELEMENTS
J CHEM SOC PP4679/4685 OCT 63
BY GILLESPIE R J
DDC NUMBER 447665
INSTRUMENT AF/AFOSR /0516/64
PROJ/TASK 9710 01

AFOSR 64 1532
MCMASTER U HAMILTON ONTARIO CANADA
IODINE OXIDE PENTAFLUORIDE
PROC CHEM SOC P278 SEPT 63
BY GILLESPIE R J
QUAIL J W
DDC NUMBER 446138
INSTRUMENT AF/AFOSR /0516/64
PROJ/TASK 9710 01

AFOSR 64 1533
NEW YORK U NEW YORK
VALIDITY OF RATE FACTORS IN FREE RADICAL AROMATIC SUBSTITUTION
J AM CHEM SOC V84 PP4152/4153 NOV 1962
BY MORRISON R T — DDC NUMBER 446137
CAZES J — INSTRUMENT AF/AFOSR /0519/64
SAMKOFF N — PROJ/TASK 9762 01
HOWE C A

AFOSR 64 1534
GEORGIA U ATHENS
ORGANIC PEROXIDES. III. THE BEHAVIOR OF CYCLOHEXANEFORMYL PEROXIDE IN THE PRESENCE OF EXCESS STABLE RADICALS. THE SIMULTANEOUS DETERMINATION OF KINETICS AND FREE RADICAL EFFICIENCIES IN THE THERMAL DECOMPOSITIONS OF FREE RADICAL INITIATORS
J AM CHEM SOC V86 PP914/918 MAR 1964
BY LAMB R C — DDC NUMBER 446136
PACIFICI J G — INSTRUMENT AF/AFOSR /0543/64
PROJ/TASK 9762 01

AFOSR 64 1535
MELLON INST OF INDUSTRIAL RESEARCH PITTSBURGH PA
NEW TYPES OF ORGANOSULFUR DERIVATIES OF METAL CARBONYLS
J AM CHEM SOC V86 N6 PP1267/1268 MAR 1964
BY KING R B — DDC NUMBER 446352
BISNETTE M B — INSTRUMENT AF/AFOSR /0580/64
PROJ/TASK 9710 02

AFOSR 64 1537
INDIANA U BLOOMINGTON
ELECTRON DIFFRACTION DETERMINATION OF THE MOLECULAR STRUCTURE OF THE BUTYL HALIDES. V. THE STRUCTURE AND CONFORMATIONAL ANALYSIS OF ISOBUTYL CHLORIDE
J AM CHEM SOC V86 PP1286/1288 5 APR 1964
BY PAULI G H — DDC NUMBER 446127
MOMANY F A — INSTRUMENT AF/AFOSR /0602/64
BONHAM R A — PROJ/TASK 9760 02

AFOSR 64 1538
INDIANA U BLOOMINGTON
ANALYTICAL EXPRESSIONS FOR THE HARTREE / FOCK POTENTIAL OF NEUTRAL ATOMS AND FOR THE CORRESPONDING SCATTERING FACTORS FOR X/RAYS AND ELECTRONS
J CHEM PHYS V40 N6 PP1686/1691 MAR 64
BY STRAND T G — DDC NUMBER 446132
BONHAM R A — INSTRUMENT AF/AFOSR /0602/64
PROJ/TASK 9760 02

AFOSR 64 1539
INDIANA U BLOOMINGTON
ON THE CALCULATION OF MULTICENTER TWO ELECTRON REPULSION INTEGRALS INVOLVING SLATER FUNCTIONS
J CHEM PHYS V40 N10 PP3083/3086 15 MAY 1964
BY BONHAM R A — INSTRUMENT AF/AFOSR /0602/64
PEACHER J L — PROJ/TASK 9760 02
COX H L JR

AFOSR 64 1540
INDIANA U BLOOMINGTON
CALCULATION OF ELECTRON SCATTERING FACTORS I. NONRELATIVISTIC THEORY
J CHEM PHYS V40 N5 PP1396/1401 1 MAR 64
BY KARLF J — DDC NUMBER 446131
BONHAM R A — INSTRUMENT AF/AFOSR /0602/64
PROJ/TASK 9760 02

AFOSR 64 1541
WISCONSIN U MADISON
TRIMETHYLAZIDO COMPOUNDS OF GROUP IVA ELEMENTS
INORG CHEM V3 N6 PP889/893 JUN 1964
BY THAYER J S — DDC NUMBER 446134
WEST R — INSTRUMENT AF/AFOSR /0623/64
PROJ/TASK 9762 02

AFOSR 64 1542
JOHNS HOPKINS U BALTIMORE MD
RARE GAS ION REACTIONS WITH AMMONIA
J AM CHEM SOC V86 PP1683/1685 MAY 1964
BY HERTEL G R — DDC NUMBER 446349
KOSKI W S — INSTRUMENT AF 49<638>00481
PROJ/TASK 9762 03

AFOSR 64 1543
JOHNS HOPKINS U BALTIMORE MD
GAS PHASE REACTIONS BETWEEN CARBON TETRACHLORIDE AND MASS ANALYZED IONS OF NITROGEN BETWEEN 3 AND 200 E. V.
J AM CHEM SOC V86 PP788/793 MAR 1964
BY WEINER E R — DDC NUMBER 446123
HERTEL G R — INSTRUMENT AF 49<638>00481
KOSKI W S — PROJ/TASK 9762 03

AFOSR 64 1544
SYRACUSE U N Y
THE EFFECT OF SOLVENT AND TEMPERATURE VARIATION ON THE VIBRATION FREQUENCY OF THE CARBONYL AND NITRILE BONDS
ADVANCES IN MOLECULAR SPECTROSCOPY PERGAMON PRESS NEW YORK 1962
BY FISHMAN E — DDC NUMBER 446350
KRASCELLA N — INSTRUMENT AF 49<638>00003
PROJ/TASK 9760

AFOSR 64 1546
MELLON INST OF INDUSTRIAL RESEARCH PITTSBURGH PA
ON THE TWO STATE MECHANISM FOR HOMOGENEOUS IONIC POLYMERIZATION
J POLYMER SCI PTC N4 PP345/360 1964
BY COLEMAN B D — DDC NUMBER 446128
FOX T G — INSTRUMENT AF 49<638>00541
PROJ/TASK 9760 01

AFOSR 64 1547
WASHINGTON U SEATTLE
INFRARED SPECTRA OF CRYSTALLINE C2H2, C2HD, AND C2D2
J CHEM PHYS V40 N7 PP2010/2017 APR 64
BY BOTTGER G L — DDC NUMBER 446121
EGGERS D F JR — INSTRUMENT AF 49<638>00797
PROJ/TASK 9710 03

AFOSR 64 1548
WASHINGTON U SEATTLE
INFRARED SPECTRUM OF CARBON DIOXIDE, ENRICHED IN OXYGEN 18
J CHEM PHYS V40 N4 PP990/1000 FEB 1964
BY BERNEY C V — DDC NUMBER 446130
EGGERS D F JR — INSTRUMENT AF 49<638>00797
PROJ/TASK 9710 03

AFOSR 64 1549
CHICAGO U ILL
PROBES FOR HIGH TEMPERATURE MAGNETIC RESONANCE
REV SCI INSTR V35 N6 PP680/682 JUN 1964
BY HAFNER S — DDC NUMBER 446129
NACHTRIEB N H — INSTRUMENT AF 49<638>01076
PROJ/TASK 9710 02

AFOSR 64 1550
CHICAGO U ILL
NUCLEAR MAGNETIC RESONANCE IN MOLTEN SALTS. I. CHEMICAL SHIFT OF CRYSTALLINE AND MOLTEN THALLIUM SALTS
J CHEM PHYS V40 N10 PP2891 2898 MAY 1964
BY HAFNER S — DDC NUMBER 446111
NACHTRIEB N H — INSTRUMENT AF 49<638>01076
PROJ/TASK 9710 02

AFOSR 64 1551
UPPSALA U SWEDEN
THE CRYSTAL STRUCTURES OF THE ADDUCTS SBCL5.POCL3.SBCL5.CH3/ 3PO AND NBCL5.POCL3
ACTA CHEM SCAND V17 N2 PP353/361 1963
BY BRANDEN C/I — DDC NUMBER 446116
LINDQVIST I — INSTRUMENT AF 61<052>00043
PROJ/TASK 9760

AFOSR 64 1552

UPPSALA U SWEDEN

THE CRYSTAL STRUCTURE OF 2HGCL2. /C2H5/2S

ARKIV KEMI V22 N5 PP83/91 JAN 1964
BY BRANDEN C/I — DDC NUMBER 446112
INSTRUMENT AF 61<052>00043
PROJ/TASK 9760

AFOSR 64 1553
UPPSALA U SWEDEN
THE CRYSTAL STRUCTURES OF HGCL2. 2/C6H5/3ASO
ACTA CHEM SCAND V17 N5 PP1363/1374 1963
BY BRANDEN C/I — DDC NUMBER 446113
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AFOSR 64 1554
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BY BANTHORPE D V — DDC NUMBER 446117
HUGHES E D — INSTRUMENT AF 61<052>00066

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ACTA CHEM SCAND V17 N3 PP590 596 1963
BY INGRI N — DDC NUMBER 446139
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ARMY RESEARCH OFFICE DURHAM N C
A PERFORMANCE MEASURE FOR GAME PLAYING PROGRAMS
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SYNTHESIS OF PROBABILISTIC COMMUNICATION NETS
BY BERNARD H M — INSTRUMENT DA /28/043/AMC/00073
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BY ROHRER R A — INSTRUMENT DA /28/043/AMC/00073
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BY CHANG H Y — INSTRUMENT DA /28/043/AMC/00073
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BY HERTEL G R — DDC NUMBER 446349
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BY WEINER E R — DDC NUMBER 446123
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FOX T G — INSTRUMENT AF 49<638>00541
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BY BOTTGER G L — DDC NUMBER 446121
EGGERS D F JR — INSTRUMENT AF 49<638>00797
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BY BERNEY C V — DDC NUMBER 446130
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BY HAFNER S — DDC NUMBER 446129
NACHTRIEB N H — INSTRUMENT AF 49<638>01076
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J CHEM SOC PP3308/3313 SEP 1962
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BY BROWN A
DDC NUMBER 446534
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BY BERNE B
RICE S A
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BY COHEN D S
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BY EILENBERG S
MOORE J C
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STANFORD U CALIF
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INFLUENCE OF IONIC SOLUTES UPON RELAXATION TIMES
BY GOLD V
DDC NUMBER 605723
INSTRUMENT AF 61<052>00458
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BY LUKACS E
DDC NUMBER 446897
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BY GOVINDARAJULU Z
DDC NUMBER 446893
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ON A NOTE BY Q. G. MOHAMMAD
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BY GUGGENHEIMER H
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BY LEVINE L M
DDC NUMBER 446900
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BY LEVY D M
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BY STEIN E M
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BY BISHOP R L
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CALIFORNIA U BERKELEY
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BY KOPPELMAN W
DDC NUMBER 446884
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BY WALSH J L
DDC NUMBER 446882
INSTRUMENT AF/AFOSR /0198/62
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HARVARD U CAMBRIDGE MASS
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BY WIDDER D V
DDC NUMBER 446881
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ON FUNCTIONS THAT COMMUTE WITH FULL FUNCTIONS
NIEUW ARCH WISK V12 PP12/18 1964
BY BAXTER G
JOICHI J T
DDC NUMBER 446880
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BY BAXTER G
DDC NUMBER 446879
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BY ROGERS C A — DDC NUMBER 446891
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BY THURSTON G A — INSTRUMENT AF 49<638>01316
PENNING F A — PROJ/TASK 9782 01

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A NOTE ON PSEUDOCONVEX MANIFOLDS / GERMAN /
MATH Z V81 PP377/391 1963
BY GRAUERT H — DDC NUMBER 446877
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BY GRAUERT H — DDC NUMBER 446875
KERNER H — INSTRUMENT AF/EOAR /0040/62
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BY REMMERT R — DDC NUMBER 446873
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CARNEGIE INST OF TECH PITTSBURGH PA
ON AN INEQUALITY OF P. R. BEESACK
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BY NEHARI Z — DDC NUMBER 446890
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MOTZKIN T S — INSTRUMENT AF/EOAR /0063/63
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POWERS OF A CONTRACTION IN HILBERT SPACE
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BY OREY S — DDC NUMBER 446889
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BY GRAYBILL F A — DDC NUMBER 446876
CONNELL T L — INSTRUMENT AF/AFOSR /0469/63
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COLORADO STATE U FORT COLLINS
SAMPLE SIZE REQUIRED FOR ESTIMATING THE VARIANCE WITHIN D UNITS OF THE TRUE VALUE
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BY GRAYBILL F A — DDC NUMBER 446878
CONNELL T L — INSTRUMENT AF/AFOSR /0469/63
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J AM STATIST ASSOC V58 PP1044/1047 DEC 1963
BY GRAYBILL F A — DDC NUMBER 446874
CONNELL T L — INSTRUMENT AF/AFOSR /0469/63
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BY LIEBERMAN B B — DDC NUMBER 605508
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BY BERKOWITZ J — DDC NUMBER 605532
GRAD H — INSTRUMENT AF 49<638>01006
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BY LEFSCHETZ S — DDC NUMBER 606076
LASALLE J P — INSTRUMENT AF 49<638>01242
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DDC NUMBER 448282
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DDC NUMBER 448287
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BY DESLATTES R D — DDC NUMBER 448286
INSTRUMENT AF 49<638>00402
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PROJ/TASK 9761 03

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J APPL PHYS V35 N3 PP734/735 MAR 64
BY MUELLER R E — DDC NUMBER 448290
MAFFITT K N — INSTRUMENT AF 49<638>00628
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JACOBSON R L — INSTRUMENT AF 49<638>00628
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ARMSTRONG D B — INSTRUMENT AF 49<638>00747
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BY FABRICIUS E
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BY PEVSNER A
STRAND R — INSTRUMENT AF 18<603>00143
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GRAUERT H — AFOSR 64/1629; AFOSR 64/1630
GRAY F G — AFOSR 64/1687; AFOSR 64/1709
GRAY P — AFOSR 64/1577
GRAYBILL F A — AFOSR 64/1639; AFOSR 64/1640; AFOSR 64/1641
GREEN J S A — AFCRL 64 0931
GREENWOOD A — ARL 64 0152
GREGORY R L — AFOSR 64/1508
GREY J — ARL 64 0125; ARL 64 0132
GRIFFIN C E — AFOSR 64/1489
GRIFFIN J N — AFCRL 64 0607
GRIGOR A — AFOSR 64/1617
GRONEMANN U F — AFOSR 64/1364
GROSS C G — AFOSR 64/1298
GRUTEN E — AFCRL 64 0574; AFCRL 64 0578
GROVE C S JR — AFCRL 64 0622
GRUMET A — AFCRL 64 0322
GRUNBAUM B — AFOSR 2698; AFOSR 4585; AFOSR 64/1635
GUARD J R — AFCRL 64 0411
GUAZZI M — AFOSR 64/1179
GUGGENHEIMER H — AFOSR 64/1610
GUIDROZ R R — AFCRL 64 0520
GUNNICK J L — AFCRL 64 0328
GUNDERSON P D — AFOSR 64/1746
GUNTHER G — AFOSR 64/1581

GUSTAFSSON A
AFOSR 64 0670
AFOSR 64 0670
AFOSR 64 0671
HAMALLER H
AFOSR 64 0965
HAMAT A
AFOSR 64 0689
HAMMOND S
AFOSR 64/1969
AFOSR 64/1970
HAGGENMAL J
AFOSR 64/1179
AFOSR 64/1187
HAMIWARA S
AFOSR 64/1787
HAGSTROM S
AFOSR 64/1920
HALL L A
AFOSR 64 0297
HALL R N
AFOSR 64 0667
AFOSR 64 0702
HALLER F
AFOSR 64/1171
HALMOS P R
AFOSR 64/1999
HALPERN J
AFOSR 64/1226
HALSTED B F
ARL 64 0169
HAMILTON D C
AFOSR 64/1213
HAMILTON M J
AFOSR 64/1696
HAMM J J
AFCRL 64 0666
HAMMAUER C F
AFCRL 64 0959
HAMMOND W J
AFCRL 64 0616
HAMANG L
AFCRL 64 0601
AFCRL 64 0627
AFCRL 64 0628
HAMANG O
AFCRL 64 0601
HANDY E R
AFCRL 64 0631
HANNEY P J
AFCRL 64 0531
HARP R S
ARL 64 0137
ARL 64 0138
ARL 64 0139
HARRAR M J
AFOSR 2819
HARRISON A A
AFOSR 64/1197
HARRISON C W JR
AFOSR 64/1962
HARTER L
ARL 64 0129
HARTMAN P
AFOSR 6819
AFOSR 64/1608
HARVEY D J
ARL 64 0142
HASEGAWA A
AFOSR 64 1142
HASELGROVE E V
AFCRL 64 0600
HASKELL N A
AFCRL 64 0197
HAUGE E N
AFCRL 64 0628
HAURWITZ B
AFCRL 64 0500
AFCRL 64 0612
HAUSZ W
AFCRL 64 0196
HAZONY D
AFCRL 64 0568
HEBERT R A
AFCRL 64 0298
HECHT G J
AFOSR 64/1677
HEIDT L J
AFCRL 64 0431
HEIKKILA K E
AFCRL 64 0470
HEISKANEN W A
AFCRL 64 0566
HELLIWELL R A
AFOSR 64/1969
HENDRICKS C D JR
AFOSR 64/1671
HENLEY E
AFOSR 64/1668
HENRY J
AFOSR 64/1278
HERBERT R E
AFOSR 64 0886
AFOSR 64 0887
AFOSR 64 1038
HERING W S
AFCRL 64 0830
HERNANCE C E
AFOSR 64/1666
HERTEL G R
AFOSR 64/1962
AFOSR 64/1963
HERTEL R H
AFOSR 64/1972
HESTER R A
AFOSR 64/1603
HEUMANN F K
AFCRL 64 0467
HEVERDAHL N E
ARL 64 0142
HICKMAN C E
AFCRL 64 0999
HIDA K
ARL 64 0113
HIDE R
AFCRL 64 0964
HIGGINS J A
AFCRL 64 0998
HIGGINS J F
AFCRL 64 0490
HILDUM J S
AFCRL 64 0128
HILLARD R
AFOSR 64/1167
HILLERDAHL D B
AFCRL 64 0204
HILTON J G
AFOSR 64/1649
AFOSR 64/1682
HIMPELMANN E
AFCRL 64 0600
HINTERBERGER H F
AFCRL 64 0297
HIRSCH A A
AFOSR 64/1287
AFOSR 64/1288
AFOSR 64/1289
HISATSUNE I C
AFCRL 64 0651
HO Y/C
AFOSR 64/1368
AFOSR 64/1369
HOCENBY R W
AFOSR 64/1330
HOFF N J
AFOSR 64 1037
HOGAN J J
AFOSR 64/1670
AFOSR 64/1671
HOGG R G
AFOSR 64 1164
HOGLUND G
AFOSR 64/1713
HOLLAND S S JR
AFCRL 64 0492
HOLLIS R L
AFOSR 64/1669
HOLM J D
AFOSR 64/1266
HOLT J F
AFOSR 64/1673
HOLWAY L H
AFCRL 64 0171
HOORINGS G
AFCRL 64 0531
HOPE D B
AFOSR 64/1190
HORN F F
AFCRL 64 0583
HORNFELDT S
AFOSR 64/1222
HORROCKS W D JR
AFOSR 64/1917
HOSOKAWA I
AFOSR 64 1113
HOUSE L L
AFCRL 64 0497
HOUSLEY R M
AFOSR 64/1767
HOWARD J W
AFCRL 64 0484
HOWE C A
AFOSR 64/1933
HUGHES E D
AFOSR 64/1954
HUGHES E J
ARL 64 0131
HUGUFNIN G R
AFCRL 64 0258
AFCRL 64 0557
AFCRL 64 0596
HULL G W JR
AFOSR 64/1734
HUMPHRIES J F
AFOSR 64/1190
HUNT M S
AFCRL 64 0635
HUNT R M
AFCRL 64 0668
HUNT W W JR
AFCRL 64 0519
AFCRL 64 0591
HUNTER D M
AFCRL 64 0638
HURT W B
AFOSR 64/1674
HUSSEY R J
AFOSR 64/1224
HYDE G
AFCRL 64 0292
IBBETSON A
AFCRL 64 0946
IBELE W E
ARL 64 0149
IIJIMA T
AFOSR 64/1696
AFOSR 64/1697
AFOSR 64/1900
IIZUKA K
AFCRL 64 0539
AFCRL 64 0636
ILIFF R L
AFCRL 64 0675
INGHRAM M G
AFCRL 64 0106
INGRI N
AFOSR 64/1955
INOMATA S
AFOSR 64/1159
ISHIMARU A
AFCRL 64 0293
ITO M
AFOSR 64/1600
ITOH T
AFCRL 64 0517
IWAMOTO R T
AFOSR 64/1919
IZUMI Y
AFOSR 64/1916
JACAVANCO D J
AFCRL 64 0984
JACOBS P
AFCRL 64 0911
JACOBSON A D
ARL 64 0132
JACOBSON R L
AFOSR 64 0804
JAFFE J M
AFOSR 64/1766
JAMESON J
AFCRL 64 0679
JANSSON A
AFOSR 64/1679
JONES R D
AFOSRTN60 293
JENSEN E
AFOSR 64/1358
JENSEN H A
AFCRL 64 0617
JOHANSEN O P
AFOSR 64/1213
JOHN P E
AFCRL 64 0626
JOHNSON A A
AFOSR 64/1675
JOHNSON R W
ARL 64 0131
JOHNSTON W G
AFCRL 64 0167
JOICHI J T
ARL 64 0139
JONA F
AFOSR 64/1624
AFOSR 64/1291
AFOSR 64/1292
JONASSON J
AFOSR 64/1186
JONES A V
AFCRL 64 0438
AFCRL 64 0439
JONES G S
AFOSR 3190
AFOSR 64/1718
JONES R A
AFCRL 64 0486
JOSS J
AFCRL 64 0631
JOUVET M
AFOSR 64/1307
JUGAKU J
AFOSR 64/1397
JURY E I
AFOSR 64/1316
KABLER M N
AFOSR 6672
KAHAN A
AFCRL 64 0677
KAHN D
AFCRL 64 0171
KAHN W K
AFOSR 64/1982
KALMAN G
ARL 64 0140
KAMM G N
AFOSR 64/1231
KANDLER O
AFOSR 64/1650
KANG I K
AFCRL 64 0928
KANG K D
AFCRL 64 0581
KANTOR A J
AFCRL 64 0483
AFCRL 64 0660
KAPLAN H
AFOSR 64/1264
AFOSR 64/1265
KARLE J
AFOSR 64/1940
KASHIHARA T K
AFCRL 64 0621
KASZERMAN P
AFOSR 64/1391
KATSUPAKIS J
AFOSR 64/1569
KATZ S
AFCRL 64 0177
KAUTZ W H
AFCRL 64 0652
KAWAMATA M
AFCRL 64 0517
KEPPER F
AFOSRTN59 193
KEILY D P
AFCRL 64 0621
KELLER J A
AFOSR 64/1665
KELLER J R
AFOSR 64/1612
KELLEY J J
AFCRL 64 0349
KELLY R F
AFOSR 64/1662
KENDIG A P
AFOSR 64/1667
KENNICOTT P R
AFCRL 64 0702
KERNER M
AFOSR 64/1630
KESSEY E O
AFOSR 64/1670
KEVANE C J
AFOSR 64/1230
KEVORKIAN J
AFOSR 64/1329
KIANG R Y/S
AFOSR 64/1976
KICE J L
AFOSR 64/1508
KILMER W L
AFCRL 64 0463
KILMISTER C W
AFOSR 64/1900
KING R B
AFOSR 64/1935
KING R W P
AFOSR 64/1962
AFOSR 64/1963
KLAUSNER S Z
AFOSR 64/1900
KLEMM L M
AFOSR 64/1615
AFOSR 64/1616
AFOSR 64/1619
KLINE S J
AFOSR 64/1278
KNUDSEN P
AFCRL 64 0482
KOHL D A
AFCRL 64 0133
A OSR 64/1600
KOHN M T
AFCRL 64 0172
KONSTANTINS P
AFCRL 64 0669
KOPPELMAN W
AFOSR 64/1619
KORNBERG H L
AFOSR 64/1189
KORNFELD P
AFCRL 64 0667
KOSEI W S
AFOSR 64/1562
AFOSR 64/1563
KOSOWER F M
AFOSR 64/1600
AFOSR 64/1601
KRANC G M
AFOSR 64/1912
KRASCELLA N
AFOSR 64/1964
KREEVOY M M
AFOSR 6 1612
KREEVOY MM
AFOSR 64/1902
KREINDLER E
AFOSR 64/1313
KRETCHMER R A
AFOSR 64/1612
KRIEGER F M
AFOSR 64/1176
KRISHNAIAH P R
ARL 64 0126
KUERS G
AFCRL 64 0567
KUPER C G
AFOSR 6 1213
KURZ L
AFCRL 64 0289
KUWATA K
AFOSR 64/1911
KUSHNER H J
AFOSR 64/1929
LACHER J R
SRL 64 0004
LADD J A
AFCRL 64 0486
AFCRL 64 0500
LADERMAN A J
AFOSR 64/1676
LAGERSTROM P A
AFOSR 64/1929
LAHA R G
AFOSR 64/1607
LAKSHMIKANTHAM V
AFOSR 64/1717
LAMB R C
AFOSR 64/1934
LAMB R W
SRL 64 0004
LAMBERT K G
AFCRL 64 0204
LAMBERT R H
AFCRL 64 0337
LAMKIN W E
AFCRL 64 0632
LAMPE P W
ARL 64 0128
LANDMAN A
AFOSR 64/1980
LANDSBERG P T
AFCRL 64 0564
LAPAGLIA S R
ARL 64 0134
LARSEN R
AFCRL 64 0627
LARSEN S H H
AFCRL 64 0624
LARSEN T
AFCRL 64 0657
AFCRL 64 0509
LARSON R L
AFOSR 64/1536
LASALLE J P
AFOSR 64/1326
AFOSR 64/1648
LASSETTRE E N
AFCRL 64 0669
LAWRENCE T R
AFCRL 64 0456
LAX B
AFOSR 64/1198
AFOSR 64/1226
AFOSR 64/1294
LEBLANC M A R
AFOSR 64/1906
LECOMTE J
AFCRL 64 0689
LEE P
AFCRL 64 0581
LEE H S
AFCRL 64 0491
LEE K S M
AFOSR 5967

LEE R C E
AFOSR 64/1369
LEE T H
ARL 64 0192
LEPSCHUTZ S
AFOSR 64/1648
LEVAGLO S
AFOSR 2766
LEVNER J
AFOSR 64/1587
LEINE P O
AFCRL 64 0513
AFCRL 64 0514
LEVY P J
AFOSR 64 1000
LEVENSTEIN H
AFCRL 64 0569
LEVER R F
AFOSR 64/1259
LEVINE L W
AFOSR 64/1611
LEVINSTEIN H
AFOSR 64/1269
LEVY D M
AFOSR 64/1612
LEWIS E A
AFCRL 64 0461
LEWIS R M
AFOSR 64/1613
LIANG C
AFCRL 64 0517
LIBBY P A
AFOSR 64/1399
LIBRETTI J
AFOSR 64/1179
LIEBERMAN B B
AFOSR 64/1642
LIEBERMAN P
AFCRL 64 0674
LILLESTON C T
AFOSR 64/1672
LILLEY A F
AFCRL 64 0596
LINDKVIST E C
AFCRL 64 0260
LINDQVIST I
AFOSR 64/1591
LINDQVIST M
AFOSR 64/1169
LINDSTROM E S
AFOSR 64/1269
LINSCHITZ H
AFCRL 64 029.
LIPSON M G
AFCRL 64 0477
LIQUORNIK D J
AFOSR 64 0860
LISZKA L
AFCRL 64 0393
AFCRL 64 0560
LITTELL A
AFOSR 64/1278
LLOYD E F
AFOSR 64/1163
AFOSR 64/1902
LOFERSKI J J
ARL 64 0191
LONDON J
AFCRL 64 0501
AFCRL 64 0612
LOPEZ M E
AFCRL 64 0469
LORENTZ G G
AFOSR 64/1250
AFOSR 64/1719
LOUCKS T L
AFOSR 64/1220
AFOSR 64/1221
LOW W
AFOSR 64/1972
LOWDIN O
ARL 64 0154
LOWE L F
AFCRL 64 0634
LOWRY B A
AFOSR 64/1926
LUDELFELD J
AFCRL 64 0509
LUDLAM F H
AFCRL 64 0531
LUENA C
AFCRL 64 0196
LUKACS E
AFOSR 64/1606
AFOSR 64/1607
LURIO A
AFOSR 64/1371
MACDOUGALL J D
AFOSR 64 1164
MACK W
AFOSR 64/1242
AFOSR 64/1243
MACKLIN W C
AFCRL 64 0531
MACLANE G R
AFOSR 3260
AFOSR 64/1506
MACMILLAN R S
AFOSR 64 1141
MADARASZ L
AFOSRTN64 663
MAFFEI L
AFOSR 64/1710
MAFFITT K N
AFOSR 64/1743
AFOSR 64/1745
MAGILL D T
AFOSR 64/1333
MAGNI F
AFOSR 64/1701
MAHER P D
AFCRL 64 0668
MALDONADO H
AFOSR 64/1683
AFOSR 64/1684
AFOSR 64/1685
AFOSR 64/1699
MALMFORS T
AFOSR 64/1187
MALTBY P
AFCRL 64 0619
MANCI O J JR
ARL 64 0003
MANCINI A
AFCRL 64 0646
MANDEL G
AFOSR 64/1291
MANN D
AFOSR 64/1613
MANNING F G
AFOSR 64/1597
MANSMANN M
AFOSR 64/1514
MARCUS R A
AFOSR 64/1410
MARGERUN D W
AFOSR 64/1604
AFOSR 64/1605
AFOSR 64/1606
AFOSR 64/1607
AFOSR 64/1608
MARK H B JR
AFOSR 788
AFOSR 789
AFOSR 64/1398
MARK J E
AFOSR 64/1692
AFOSR 64/1694
MARPLE D T F
ARL 64 0169
MARSDEN M V R
AFOSR 64/1706
MARSEILLAN R F
AFOSR 64/1176
MARTIN C R
AFOSR 64/1250
MARTORANA S V
OAR 64 0010
MASON A A
AFCRL 63 0663
MASSA R J
AFCRL 64 0478
MATTHEWS P T
AFOSR 64/1151
MATURANA H R
AFOSR 64/1728
MATUSUDA F
AFCRL 64 0517
MAXWELL A
AFCRL 64 0609
MAXWELL J C
AFCRL 63 0971
MAYEDA W
AFOSR 64/1956
MCALEVY R F III
AFOSR 64/1668
MCCANN S M
AFOSR 64/1708
MCCLELLAND D
AFCRL 64 0517
MCCLINTOCK C G
AFOSR 64/1197
AFOSR 64/1166
MCCUBBIN T K
AFCRL 64 0326
MCCULLOCH W S
AFCRL 64 0463
MCDANIEL A
AFCRL 64 0417
MCDERMOTT M N
AFOSR 64/1366
AFOSR 64/1579
MCDONALD R L
AFOSR 64/1906
MCDONOUGH W M
AFCRL 64 0596
MCGEE E E
AFCRL 64 0491
MCGUIRE T R
AFOSR 64/1199
AFOSR 64/1205
MCILVAIN M
AFOSR 64/1703
MCILWIN M
AFOSR 64/1711
MCILWAIN M
AFOSR 64/1275
MCLATCHIE W
AFOSR 64 1164
MCLAUCHLAN E C
AFCRL 64 0438
MCMAHON D G
AFCRL 64 0539
MCNEAL R J
AFOSR 64/1690
AFOSR 64/1691
MCVEIGH G E
AFCRL 64 0407
MEAD C A
AFOSR 64/1191
AFOSR 64/ 192
MEISTERS G
AFOSR 64/1681
MEREDITH R E
AFCRL 64 0668
MERMELSTEIN F
AFOSR 64/1979
MERRIAM M F
AFOSR 64/1218
MESIROFF P
AFCRL 64 0248
MICHA M
ARL 64 0134
MICHALEC F
AFCRL 64 0177
MIDDLETON S
AFOSR 64/1441
MIDTDAL J
AFOSR 64/1296
MIGEOTTE M
AFCRL 64 0569
MILLER B I
AFOSR 64/1217
MILLER J M
AFOSR 64 0001
MILLER K
AFOSR 64/1491
MILLER M G
AFOSR 6472
MILLER R C
AFOSR 64/1290
MINC M
AFOSR 64/1321
AFOSR 64/1736
MINKOWICH A
AFOSR 64/1686
MINSPMAN M J
AFCRL 64 0322
MINRICK R C
AFCRL 64 0176
MINZNER R A
AFCRL 64 0490
MITCHELL D
AFOSR 64/1176
MITCHELL G E
AFOSR 64 1146
AFOSR 64 1147
MITCHELL R F
AFCRL 64 0476
MITCHELL R C
AFOSR 64/1665
MOFFAT J W
AFOSR 64/1727
MOJONI A
AFOSR 64/1214
MOLLER F
AFCRL 64 0567
MOMARY F A
AFOSR 64/1537
MONGY M
AFOSR 64/1229
MONTGOMERY D B
AFOSR 64/1718
MOORE C F
AFOSR 64 1169
MOORE J C
AFOSR 64/1602
MORAY N
AFOSR 64/1908
MORGAN J E
AFCRL 64 0462
MORGAN M G
AFCRL 63 0772
MORITZ H
AFCRL 64 0566
MORKVED F M
AFOSR 64/1508
MORRIS L A
AFOSR 64/1229
MORRIS M L
ARL 64 0127
MORRISH A H
AFOSR 64/1266
AFOSR 64/1267
MORRISON N
AFCRL 64 0568
MORRISON P T
AFOSR 64/1533
MORUZZI G
AFOSR 64/1709
MORUZZI V L
AFOSR 64/1203
MOSER J K
AFOSR 64/1319
MOSHIER R W
ARL 64 0127
MOSKOWITZ S E
AFOSR 64 0861
MOSSOP S C
AFCRL 64 0531
MOTT-SMITH J C
AFCRL 64 0478
MOTZKIN T S
AFOSR 64/1635
MOULIN .
AFOSR 64 1139
AFOSR 64 1140
AFOSR 64/1299
MOUNTCASTLE V B
AFOSR 64/1635
MUELLER I I
AFCRL 64 0566
MUFFLER R E
AFOSR 64/1743
MUFFLER R E
AFOSR 64/1744
AFOSR 64/1745
MULLEN J
AFCRL 64 0523
MULLER E W
AFOSR 64/1217
MULLERY A
AFCRL 64 0496
MULLIN W J
ARL 64 0153
MULLINGS A N
ARL 64 0146
MUNSON A G
AFOSR 64 1056
MURR L E
AFOSR 64 1004
MURRAY C
AFCRL 64 0298
MYERS G W
AFCRL 64 0269
MYERS R A
AFOSR 64/1365
MYRVAAGNES F
AFCRL 64 0510
NA M S H
AFOSR 64/1381
NACHTRIEB N H
AFOSR 64/1369
AFOSR 64/1990
NADEAU J S
ARL 64 0199
NAGABHUSHANAM N
AFOSR 64/1510
NAGARAJA K S
ARL 64 0196
NAGELBERG P R
AFOSR 64 0803
NAGY A R JR
ARL 64 0116
NAIMAN S
AFCRL 64 0496
AFCRL 64 0464
NAKA Y-I
AFOSR 64/1707
NALLAR R
AFOSR 64/1708
NARCISI R S
AFCRL 64 0462
NAYFEH A H
AFOSR 64/1306
NEAL A G
AFOSR 64/1300
NEFF H P
AFCRL 64 0559
NEFF W D
AFOSR 64/1161
NEHARI Z
AFOSR 3362
AFOSR 64/1612
NELSON D
AFOSR 64/1301
NELSON I V
AFOSR 64/1519
AFOSR 64/1516
NEWCOMB R W
AFOSR 64/1722
AFOSR 64/1752
NICHOLS L D
AFCRL 64 0559
NIELSEN A H
AFCRL 63 0863
NILES F E
AFOSR 64/1683
NISHIKAWA S
AFCRL 64 0478
NISHINA Y
AFOSR 64/1226
NIXON J
AFOSR 64/1602
NORINDER H
AFCRL 64 0482
AFCRL 64 0488
NORUZZI G
AFOSR 64/1702
NOTZ W
AFCRL 64 0494
NOVICK R
AFOSR 64/1306
AFOSR 64/1371
AFOSR 64/1579
AFOSR 64/1580
NOYES W A JR
AFOSR 64/1608
OBERMAYER A S
AFCRL 64 0359
OCARRA P
AFOSR 64/1176
OCONNOR J
AFOSR 64/1389
ODIAN G
AFOSR 64/1648
OGAWA M
AFCRL 64 0569
OGG R A
AFOSR 3679
OGUCHI T
AFOSRTN59 193
OHEOCHA C
AFOSR 64/1176
OLSON F A
AFCRL 64 0245
OLSON J R
AFOSR 2766
ONHOLT A
AFCRL 64 0601
AFCRL 64 0625
AFCRL 64 0626
ONUCHIC N
AFOSR 64/1608
AFOSR 64/1717
OPPENHEIM A F
AFOSR 64/1672
AFOSR 64/1676
ORFY S
AFOSR 64/1637
ORVILLE-THOMAS W J
AFCRL 64 0486
AFCRL 64 0508
OSBORN J R
AFOSR 64/1679
AFOSR 64/1680
OSEAN H J
AFCRL 64 0560
OSWALD W J
AFCRL 64 0341
OTTOSON D
AFOSR 64/1699
OVERMEYER J
AFOSR 64/1202
AFOSR 64/1204
OWEN C
AFOSR 64/1173
PACIFICI J G
AFOSR 64/1934
PALESTINI M
AFOSR 64/1196
PANAR M
AFCRL 64 0359
PANELLA R F
AFOSR 64/1680

PANETTI M
AFCRL 64 0687
PANOPSKY W A
AFCRL 64 0682
PANLILIO F B
AFCRL 64 0639
PAPAGIANNIS N D
AFCRL 64 0596
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