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(Supplement to AD-410 397)

VOLUME VIII of VIII VOLUMES

DDC-TAS-68-44

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SEPTEMBER 1968

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(Supplement to AD-410 397)

Volume VIII of VIII Volumes

DDC-TAS-68-44

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SEPTEMBER 1968

DEFENSE DOCUMENTATION CENTER
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Cameron Station, Alexandria, Virginia 22314

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P R E F A C E

This is the eighth volume of a series of Bibliography of Bibliographies in the collection of the Defense Documentation Center. This volume continues the supplement to AD-410 397 and contains approximately 291 bibliographic citations of unclassified-unlimited documents, which were acquired from August 1963 through October 1967. The other volumes are available as follows:

AD-392 800 Volume I - Restricted Data entries

AD-392 900 Volume II - Classified entries

AD-841 080 Volume III- Unclassified-Limited entries falling into COSATI fields 1-10

AD-841 090 Volume IV - Unclassified-Limited entries falling into COSATI fields 11-16

AD-841 100 Volume V - Unclassified-Limited entries falling into COSATI fields 17-22

AD-677 015 Volume VI - Unclassified-Unlimited entries falling into COSATI fields 1-6

AD-677 025 Volume VII- Unclassified-Unlimited entries falling into COSATI fields 7-13

The bibliographic citations in Volume VIII are arranged in 9 COSATI subject categories. To facilitate searching for specific entries, computer-produced indexes are provided. These include AD number-page, contract, subject(descriptor), corporate author(originator), personal author, and report number.

The complete set (8 volumes)contains approximately 2300 entries covering all 22 COSATI subject categories.

A description of each index follows:

AD NUMBER-PAGE INDEX

This index can be used to find the page number of a specific citation if the AD number is known. It can also be used in conjunction with the other indexes to locate quickly the AD numbers referenced there for entries contained in this volume.

CONTRACT INDEX

This index is arranged alphanumerically by contract number. Within a contract grouping each entry contains corporate author, source series number (if any), monitor number (if any), and AD number. When there are multiple document entries under one contract number, entries are arranged by AD number under each corporate author represented. A contract entry may also contain a letter F, A, or S on the left margin, indicating that the document is a Final, Annual, or Summary report. For example:

```
*AF 49(638)-1348
  Graduate Aeronautical Labs Calif
    Inst of Tech Pasadena
      (AFOSR-65-2019)
F AD-627 901
```

SUBJECT INDEX

Asterisked descriptors that identify the most significant subjects of the report are arranged alphabetically in the Subject Index. These descriptors may or may not have a modifying descriptor appearing directly below them. Under each descriptor entry appear the annotation and AD number. For example:

```
*Damping
  Bibliographies
    Bibliography and Abstracts on Methods of
      Damping out Incipient Turbulence in Flow of
        Liquids.
AD-427 728
```

CORPORATE AUTHOR-MONITORING AGENCY INDEX

Corporate authors and monitoring agencies are arranged alphabetically in the index. The names are designated by asterisks. Under the corporate author the entry for each document contains the originator's report number, the title, and AD number. For example:

*Naval Ordnance Lab White Oak MD
* * *
Mathematics Dept-M-65
The Water Entry Problem With Bibliography
AD-641 176
* * *
NOLTR-64-222
U.S. Naval Ordnance Laboratory
Unclassified Reports Published by the
Aeroballistics Area
AD-614 700
* * *
NOLTR-66-173
The Water Entry Problem With Bibliography
AD-641 176

Three asterisks separate entries for reports by the same corporate author or monitoring agency.

PERSONAL AUTHOR INDEX

The Personal Author Index contains entries arranged alphabetically by the last names of the authors of reports. When several report entries are given for one author, the entries are arranged numerically by AD number. The title or annotation for each report is given. For example:

*Blau, Edmund J.
* * *
Geophysical Effects of High-Altitude
Nuclear Explosions of 1962, An annotated
Bibliography
AD-607 982
* * *
Relativistic Effect on the Classical Doppler
Shift: An Annotated Bibliography
AD-641 504

REPORT NUMBER INDEX

The Report Number Index lists identifying numbers assigned either by the document originators or by the sponsors of the work described in the documents.

AFCRL-67-0223
AD-655 774

BY ORDER OF THE DIRECTOR, DEFENSE SUPPLY AGENCY

OFFICIAL

ROBERT B. STEGMAIER, JR.
Administrator
Defense Documentation Center

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Missile Technology	83
Navigation, Communications, Detection, and Countermeasures	87
Nuclear Science and Technology	103
Ordnance	123
Physics	133
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REPORT NUMBER	R-1
AD NUMERIC	A-1

METHODS AND EQUIPMENT

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-402 910
NAVAL RESEARCH LAB WASHINGTON D C
BIBLIOGRAPHY OF UNCLASSIFIED NRL FORMAL REPORTS
NUMBERS 1000 TO 5700. (U)
JUL 62 145P
REPT. NO. NRL-5700B

UNCLASSIFIED REPORT

DESCRIPTORS: *BIBLIOGRAPHIES, *NAVAL RESEARCH
LABORATORIES, NAVAL RESEARCH. (U)

A BIBLIOGRAPHY OF UNCLASSIFIED NRL FORMAL REPORTS,
NUMBERS 1000-5700.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 608
TEXAS UNIV AUSTIN ELECTRICAL ENGINEERING RESEARCH LAB
BIBLIOGRAPHY OF TECHNICAL REPORTS, PUBLICATIONS, AND THESES - MARCH 1961-JUNE 1963. (U)
JUN 63 20P
REPT. NO. 131
CONTRACT: NONR375 14, ,PROJ. NR371 032

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, SCIENTIFIC RESEARCH, (*SCIENTIFIC RESEARCH, BIBLIOGRAPHIES), ELECTRICAL ENGINEERING, REPORTS, ELECTRONICS, METEOROLOGY, ANTENNAS, PHYSICS, PROPAGATION, SIGNALS. (U)
IDENTIFIERS: 1963. (U)

BIBLIOGRAPHY OF TECHNICAL REPORTS, PUBLICATIONS AND THESES OF THE ELECTRICAL ENGINEERING RESEARCH LABORATORY OUNIVERSITY OF TEXAS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-410 397
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA
BIBLIOGRAPHY OF BIBLIOGRAPHIES (SUPPLEMENT), (U)
IV A1
MONITOR: UNCLASSIFIED REPORT
UNCLASSIFIED REPORT

DESCRIPTORS: (*MATHEMATICS), (*AIRCRAFT), (*ASTRONOMY), (*BIBLIOGRAPHIES), GEOPHYSICS, GEOGRAPHY, CHEMICAL WARFARE, BIOLOGICAL WARFARE, CHEMISTRY, COMMUNICATION SYSTEMS, DETECTION, ELECTRONIC EQUIPMENT, ELECTRICAL EQUIPMENT, FLUID MECHANICS, FUELS, TRANSPORTATION, GUIDED MISSILES, MATERIALS, MEDICINE, METALLURGY, MILITARY TACTICS, NAVIGATION, NUCLEAR PHYSICS, NUCLEAR PROPULSION, ORDNANCE, PERSONNEL, PHOTOGRAPHY, PHYSICS, PSYCHOLOGY, SCIENTIFIC RESEARCH, SHIPS, PROPELLANTS (U)

A LIST OF BIBLIOGRAPHIES CATALOGED BY DDC FROM JULY 1962 THROUGH JULY 1963 WAS UNDERTAKEN IN ORDER TO PROVIDE AN UP-TO-DATE COMPILATION OF EXISTING KNOWLEDGE ON SUBJECTS OF RESEARCH AND DEVELOPMENT INTEREST. THIS VOLUME IS A SUPPLE MENT TO AD-281 900, PUBLISHED JULY 1962, AND IS RESTRICTED TO UNLIMITED UNCLASSIFIED REFERENCES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 658
AEROSPACE CORP EL SEGUNDO CALIF
QUARTERLY BIBLIOGRAPHY OF REPORTS PREPARED UNDER
CONTRACT NO. AF04(695-169 (PERIOD COVERING 1
APRIL THROUGH 30 JUNE 1963). (U)
JUL 63 1V PEER,COMP.BY BARBARA H.I
REPT. NO. REPT. NO. CSR169 9990QBR4
CONTRACT: AF04 695 169

UNCLASSIFIED REPORT

DESCRIPTORS: (*AIR FORCE RESEARCH, BIBLIOG
RAPHIES), (*REPORTS, BIBLIOGRAPHIES),
RESEARCH PROGRAM ADMINISTRATION. (U)

THIS BIBLIOGRAPHY LISTS ALL REPORTS PUBLISHED
DURING THE PERIOD 1 APRIL THROUGH 30 JUNE 1963
UNDER CONTRACT AF 04(695)-169.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-414 066
NATIONAL INSTITUTES OF HEALTH BETHESDA MD
DESIGN OF LABORATORY FACILITIES. A CLASSIFIED LIST
OF SELECTED REFERENCES, SUPPLEMENT I. 1949-1963. (U)
JUL 63 6P FOX,COMP.BY GERTRUDE I

UNCLASSIFIED REPORT

DESCRIPTORS: (*MEDICAL LABORATORIES, DESIGN),
(*BIBLIOGRAPHIES, MEDICAL LABORATORIES),
HOSPITALS, SITE SELECTION, RADIOBIOLOGY,
RADIATION CHEMISTRY, INDUSTRIAL RESEARCH. (U)

A SELECTED LIST OF REFERENCES ON THE DESIGN OF LABORATORY FACILITIES.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 564
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA
NON-DESTRUCTIVE TESTING. A DDC REPORT
BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1953-SEP 1963,
SEP 63 1V HALL,ELIZABETHE H. !

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NON-DESTRUCTIVE TESTING, BIBLIOGRAPHIES), (*RADIOGRAPHY, NON-DESTRUCTIVE TESTING), ULTRASONIC RADIATION, ACOUSTICS, MAGNETIC PROPERTIES, ELECTROMAGNETIC PROPERTIES, DYES, PENETRATION, THERMAL RADIATION, QUALITY CONTROL (U)
IDENTIFIERS: 1963 (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 845
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA
SHOCK AND VIBRATION. DATA ANALYSIS AND APPLICATIONS.
A DDC REPORT BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1953-OCT 63,
NOV 63 1V HERCULES,WENDELL L. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ENVIRONMENTAL TESTS, STANDARDIZATION), (*VIBRATION, STATISTICAL ANALYSIS), (*BIBLIOGRAPHIES, VIBRATION), IMPACT SHOCK, DATA PROCESSING SYSTEMS, DIGITAL COMPUTERS, CORRELATION TECHNIQUES, HARMONIC ANALYSIS, SYMPOSIA (U)
IDENTIFIERS: 1963, POWER DENSITY SPECTRUM (U)

THIS BIBLIOGRAPHY WAS PREPARED IN RESPONSE TO A REQUEST BY THE CENTRALIZING ACTIVITY FOR SHOCK, VIBRATION AND ASSOCIATED ENVIRONMENTS IN CONNECTION WITH THE 33RD SYMPOSIUM DEC 3-5, 1963. REFERENCES FALL WITHIN THE FOLLOWING BROAD TOPIC AREAS: STATISTICAL ANALYSIS, DATA ANALYSISEQUIPMENT, DATA ANALYSIS - COMPUTERS, DATA MEASUREMENT, SHOCK AND VIBRATION DATE, AND TESTING. THE BIBLIOGRAPHY COVERS THE TIME PERIOD 1953 TO OCT. 1963 WITH PARTICULAR EMPHASIS PLACED ON DOCUMENTS ACCESSIONED BY DDC SINCE 1958. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 227
CALIFORNIA UNIV BERKELEY
RESEARCH INVESTIGATIONS CONDUCTED UNDER THE
PROVISIONS OF CONTRACT NONR22267, PROJECT NR036 031.(U)
DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,
DEC 63 13P CORNET,I. I
REPT. NO. 8
CONTRACT: NONR22267
PROJ: NR036 041

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SCIENTIFIC RESEARCH, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SCIENTIFIC RESEARCH), (*FATIGUE (MECHANICS), ABSTRACTS), (*CORROSION, ABSTRACTS), SINGLE CRYSTALS, MAGNESIUM COMPOUNDS, OXIDES, DEFORMATION, ELECTRON MICROSCOPY, MECHANICS, COPPER, PIPES, ALUMINUM, CORROSIVE LIQUIDS, LAMINAR FLOW, TEMPERATURE, METALLURGY, DEFLECTION, ELECTROCHEMISTRY(U)
IDENTIFIERS: 1963 (U)

ABSTRACTS OF REPORTS OF RESEARCH ON FATIGUE MECHANICS AND CORROSION.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-433 614
AEROSPACE CORP EL SEGUNDO CALIF
BIBLIOGRAPHY ON THE USE OF REDUNDANCY AS A MEANS OF IMPROVING RELIABILITY. (U)
JAN 64 34P MEAD,J. G. ;THOMPSON,R. J. ;
REPT. NO. TDR269 4303 6
CONTRACT: AF04 695 269
MONITOR: SSD TDR63 375

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, RELIABILITY (ELECTRONICS)), (*RELIABILITY (ELECTRONICS), BIBLIOGRAPHIES), ELECTRONIC EQUIPMENT, REDUNDANT COMPONENTS, DIGITAL SYSTEMS, COMPUTERS, QUALITY CONTROL (U)
IDENTIFIERS: 1964 (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-457 110
BATTELLE MEMORIAL INST COLUMBUS OHIO
WATER TUNNEL DESIGN AND RELATED INSTRUMENTATION
CONSIDERATIONS AND A SELECTED BIBLIOGRAPHY ON
INCOMPRESSIBLE INTERNAL FLUID FLOW. (U)
NOV 64 65P HARP ,J. L. (HOEHNE ,V.
O. (ALLEN ,J. M. (WHITACRE,G. R.)
CONTRACT: DA01 021AMC203Z
MONITOR: RSIC 328

UNCLASSIFIED REPORT

DESCRIPTORS: (*WATER TUNNELS, DESIGN),
(INCOMPRESSIBLE FLOW, WATER TUNNELS),
INSTRUMENTATION, MEASUREMENT, FLOW VISUALIZATION,
TWODIMENSIONAL FLOW, HYDRAULIC MODELS, PUMPS, HEAT
EXCHANGERS, WATER, LIQUEFIED GASES, NITROGEN, REVIEWS,
BIBLIOGRAPHIES, CRYOGENICS, FEASIBILITY STUDIES, ARMY
RESEARCH, HYDRODYNAMICS (U)

THIS REPORT PRESENTS THE RESULTS OF A STATE-OFTHE-ART SURVEY ON FLOW-TUNNEL DESIGN AND RELATED INSTRUMENTATION FOR TUNNELS USING WATER OR LIQUID NITROGEN AS THE WORKING FLUID. THE SCOPE OF THE SURVEY IS PURPOSELY NARROWED BY CONSIDERATIONS OF THE PROPOSED TUNNEL TO BE DESIGNED AND BUILT AT NASA'S GEORGE C. MARSHALL SPACE FLIGHT CENTER (MSFC). INITIAL APPLICATION OF THE PROPOSED TUNNEL WILL INCLUDE INTERNAL-FLUID-FLOW STUDIES OF CRYOGENIC FUEL-SYSTEM COMPONENTS OR COMBINATIONS THEREOF. MAJOR CONSIDERATIONS APPLICABLE TO THE PRINCIPAL COMPONENTS OF THE PROPOSED TUNNEL ARE PRESENTED. SOME SPECIFIC RECOMMENDATIONS ARE ALSO PRESENTED FOR CONSIDERATION BY THOSE WHO WILL UNDERTAKE THE ACTUAL DESIGN AND OPERATION OF THE PROPOSED TUNNEL. LITERATURE CITED IS LISTED AT THE END OF THE REPORT FOR FURTHER DETAILED STUDY. MANY OF THESE REFERENCES ARE, IN THEMSELVES, DESIGN STUDIES FOR LIQUIDFLOW TUNNELS OR FLOW-TUNNEL SECTIONS. ALSO INCLUDED IS A SELECTED BIBLIOGRAPHY ON INTERNAL FLUID FLOW, WITH A BRIEF DESCRIPTION OF EACH. THE CATEGORIES INCLUDED ARE PRESSURE DROP; FLOW PATTERNS INCLUDING CURVED FLOWS, MIXING, AND FLOW MEASUREMENT; VISUALIZATION INCLUDING FLOW MODELING, CAVITATION, AND TRANSIENTS; FLOW OF CRYOGENIC FLUIDS; AND TWO-PHASE FLOW. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 687
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
HIGH VACUUM TECHNIQUES. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,
OCT 59 3P CARROLL,K. D. I
REPT. NO. SB-59-48

UNCLASSIFIED REPORT
DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES EXHAUSTED.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*VACUUM, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, VACUUM), MEASUREMENT, EVAPORATION, SURFACE PROPERTIES, VACUUM APPARATUS (U)
IDENTIFIERS: HIGH VACUUM, ULTRAHIGH VACUUM (U)

HIGH VACUUM TECHNIQUES.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 690
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
COMBINED ENVIRONMENTAL TESTING. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,
FEB 60 10P EVANS,G. R. ;
REPT. NO. SB-60-7

UNCLASSIFIED REPORT
AVAILABILITY: MICROFICHE ONLY AFTER ORIGINAL COPIES EXHAUSTED.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ENVIRONMENTAL TESTS, BIBLIOGRAPHIES), (*GUIDED MISSILES, ENVIRONMENTAL TESTS), (*ELECTRONIC EQUIPMENT, GUIDED MISSILE COMPONENTS), ABSTRACTING, DOCUMENTATION (U)

BIBLIOGRAPHY ON COMBINED ENVIRONMENTAL TESTING, RELATING CHIEFLY TO GUIDED MISSILES AND THEIR ELECTRONIC EQUIPMENT.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 692
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
HIGH TEMPERATURE STRAIN GAGES AND BONDING
MATERIALS. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,
FEB 60 11P BELTRAN,A. A. I
REPT. NO. SB-60 9

UNCLASSIFIED REPORT
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SUPPLEMENTARY NOTE:

DESCRIPTORS: (*STRAIN GAGES, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, STRAIN GAGES), (*ADHESIVES, HIGH-
TEMPERATURE RESEARCH), CERAMIC MATERIALS (U)

BIBLIOGRAPHY ON HIGH-TEMPERATURE STRAIN GAGES.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-468 834
NAVAL PERSONNEL RESEARCH ACTIVITY SAN DIEGO CALIF
A SELECTED ANNOTATED BIBLIOGRAPHY ON COST-
EFFECTIVENESS AND MAN/MACHINE FUNCTION
ALLOCATION. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
AUG 65 39P WEBB,J. SCOTT
REPT. NO. SRM-66-4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COSTS, EFFECTIVENESS),
(*SYSTEMS ENGINEERING, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, SYSTEMS ENGINEERING),
MILITARY PERSONNEL, PERSONNEL MANAGEMENT, HUMAN
ENGINEERING, AUTOMATION (U)

THIS BIBLIOGRAPHY INCLUDES THE REFERENCES AND
SUMMARIES OF OVER 100 PUBLICATIONS PERTAINING TO
SYSTEM COSTS, SYSTEM EFFECTIVENESS, COST-
EFFECTIVENESS RATIOS, AND MAN/MACHINE FUNCTION
ALLOCATION. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 292
PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D C
REFERENCES PERTAINING TO MOISTURE SENSING DEVICES. (U)
JUN 64 10P LEE,RICHARD W. H.I
REPT. NO. 562 025 ,PDL43969

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, HYGROMETERS), (*HYGROMETERS, BIBLIOGRAPHIES), HUMIDITY, MOISTURE, CONTROLLED ATMOSPHERES, ELECTRICAL EQUIPMENT (U)

A BIBLIOGRAPHY INCLUDING 60 REFERENCES PERTAINING TO MOISTURE-SENSING DEVICES IS PRESENTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-602 241
AEROSPACE CORP EL SEGUNDO CALIF
PROFESSIONAL PAPERS CLEARED FOR POSSIBLE PUBLICATION
AND/OR PRESENTATION. (U)
DESCRIPTIVE NOTE: REPT. FOR 16 JUN 63-15 JUN 64,
JUN 64 86P BRADY,FRANCES A. ;
REPT. NO. CSR-269 9990APP1 SUPERSEDES ,CSR-269
9990PP1-PP11
CONTRACT: AF04 695 269

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, *SCIENTIFIC
RESEARCH), REPORTS, PHYSICS, CHEMISTRY,
MATHEMATICS, ENGINEERING, MINING ENGINEERING,
AERONAUTICS, SPACE FLIGHT, METALLURGY,
GEOLOGY (U)

THE BIBLIOGRAPHY IS AN INTEGRATION OF THE PREVIOUS
BIBLIOGRAPHIES TOGETHER WITH ADDITIONS, AND IS
COMPRISED OF A LISTING OF ALL PROFESSIONAL PAPERS
CLEARED AT AEROSPACE CORPORATION FOR THE PERIOD
16 JUNE 1963 THROUGH 15 JUNE 1964. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-606 181
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF
SDC DOCUMENTS APPLICABLE TO STATE AND LOCAL
GOVERNMENT PROBLEMS. (U)
DESCRIPTIVE NOTE: SCIENTIFIC REPT.,
AUG 64 10P ISAACS,HERBERT H. I
REPT. NO. TM-2025

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SYSTEMS ENGINEERING, BIBLIOGRAPHIES), (*INDEXES, OPERATIONS RESEARCH), (*BIBLIOGRAPHIES, SYSTEMS ENGINEERING), (*SOCIOLOGY, SYSTEMS ENGINEERING), DOCUMENTATION, UNITED STATES GOVERNMENT, MEDICAL RESEARCH, PROGRAMMING (COMPUTERS), EDUCATION, TRAINING, URBAN PLANNING, SIMULATION, INFORMATION RETRIEVAL, LAW, COMPUTERS, MANAGEMENT ENGINEERING (U)

THIS DOCUMENT CONTAINS A SELECTIVE LIST OF SDC PUBLICATIONS AVAILABLE TO EXTERNAL REQUESTERS. THE DOCUMENTS ON THIS LIST WERE SELECTED ON THE BASIS OF THEIR GENERAL OR SPECIFIC APPLICABILITY TO CURRENT PROBLEMS OF STATE AND LOCAL GOVERNMENT. WORK OF A MORE BASIC RESEARCH NATURE HAS BEEN OMITTED. THE LIST IS ORGANIZED BY SUBSTANTIVE CATEGORIES AND ALPHABETICALLY BY AUTHOR WITHIN EACH CATEGORY. THE CATEGORIES INCLUDE: THE ADMINISTRATION OF JUSTICE, BIO-MEDICAL SYSTEMS, COMPUTER PROGRAM SYSTEMS, THE DEVELOPMENT AND MANAGEMENT OF COMPUTER-BASED SYSTEMS, EDUCATION AND TRAINING, INFORMATION RETRIEVAL, SIMULATION IN EXPERIMENTATION, AND URBAN INFORMATION SYSTEMS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 539
MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB
UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY, (U)
MAR 64 210P
CONTRACT: AF19 628 500
MONITOR: ESD , TDR64 340

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, SCIENTIFIC RESEARCH), (*SCIENTIFIC RESEARCH, BIBLIOGRAPHIES), (*PHYSICS LABORATORIES, SCIENTIFIC RESEARCH), REPORTS, DATA PROCESSING SYSTEMS, PHYSICS, RADAR, INFORMATION RETRIEVAL, SPACE COMMUNICATION SYSTEMS, ENGINEERING, SOLID STATE PHYSICS, REENTRY VEHICLES, INDEXES, ELECTRONICS, MAGNETIC MATERIALS, SEMICONDUCTOR DEVICES, LASERS, MATHEMATICAL ANALYSIS, ATMOSPHERE ENTRY, MATERIALS (U)

THE REPORT IS A NEW CUMULATIVE LISTING OF UNCLASSFIED REPORTS PUBLISHED SINCE THE LABORATORY WAS ESTABLISHED IN 1951. THE 15 JULY 1961 EDITION OF UNCLASSIFIED PUBLICATIONS, AS WELL AS SUPPLEMENTS 1, 2, AND 3, MAY NOW BE DE STROYED. A SUBJECT INDEX, INCLUDED FOR THE FIRST TIME IN THIS EDITION, SHOULD PROVE A VALUABLE AID TO THE READER. PROGRESS REPORTS, TECHNICAL REPORTS AND GROUP REPORTS LISTED HEREIN ARE DEPOSITED WITH DDC. OUT-OF-PRINT UNCLASSIFIED (RELEASED) REPORTS ARE AVAILABLE, AS MICROFILM OR PHOTOPRINT COPIES, FROM THE MICROREPRODUCTION LABORATORY, HAYDEN MEMORIAL LIBRARY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSCHUSETTS 02139. REQUESTS SHOULD CITE THE APPROPRIATE SERIAL NUMBERS AND PRICES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 549
TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF
CIRCUIT DESIGN RELIABILITY THROUGH REDUNDANCY, (U)
AUG 60 31P TREW,JAMES R. I
REPT. NO. STL/AB 60-5111-38 ,STL-D-38

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON A LITERATURE SURVEY OF UNCLASSIFIED REPORTS.

DESCRIPTORS: (*BIBLIOGRAPHIES, RELIABILITY (ELECTRONICS), (*RELIABILITY (ELECTRONICS), REDUNDANT COMPONENTS), CIRCUITS, DESIGN, ABSTRACTS, REVIEWS (U)

A COMPILATION OF ABSTRACTS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-608 053
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
GUIDE TO THE LITERATURE OF ENGINEERING, MATHEMATICS, AND THE PHYSICAL SCIENCES. (U)
DESCRIPTIVE NOTE: SECOND ED.
90P GOLDMAN,SYLVIA :
REPT. NO. TG-230-B3
CONTRACT: NOW62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ENGINEERING, BIBLIOGRAPHIES), (*MATHEMATICS BIBLIOGRAPHIES), (*PHYSICS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SCIENTIFIC RESEARCH), AERONAUTICS, ASTRONAUTICS, CHEMICAL ENGINEERING, MECHANICAL ENGINEERING, ELECTRONICS, ELECTRICAL ENGINEERING, COMPUTERS, ASTRONOMY, GEOPHYSICS, ACOUSTICS, BALLISTICS, FLUID MECHANICS (U)

THE SECOND EDITION IS A SELECTED BIBLIOGRAPHY WHICH EMPHASIZES THE AREAS OF SCIENCE AND ENGINEERING OF PRIMARY IMPORTANCE TO STAFF MEMBERS OF THE APPLIED PHYSICS LABORATORY. THE FIRST EDITION INCLUDED MATERIAL PUBLISHED FROM 1953 THROUGH 1959. THE SECOND EDITION UPDATES THE MATERIAL THROUGH 1963. THE ABSTRACTING JOURNALS AND INDEXES ARE LISTED ALPHABETICALLY BY TITLE. PERIODICALS ARE ARRANGED BY SUBJECT AND LISTED ALPHABETICALLY BY TITLE IN EACH SUBJECT CATEGORY. IN EVERY CASE, THE DATE OF THE FIRST ISSUE AND PUBLISHER IS INCLUDED IN THE CITATION. REFERENCE WORKS ARE ORGANIZED NOT BY SUBJECT BUT BY TYPE OF MATERIALS, SUCH AS DICTIONARIES AND GLOSSARIES, ENCYCLOPEDIAS, HANDBOOKS AND MANUALS, AND MATHEMATICAL TABLES. ITEMS ARE LISTED ALPHABETICALLY BY AUTHOR; CITATIONS INCLUDE AUTHOR, TITLE, EDITION, PLACE, PUBLISHER, AND DATE OF PUBLICATION. GENERAL BOOKS ARE ORGANIZED BY SUBJECT AND LISTED ALPHABETICALLY BY AUTHOR, WITH THE SAME BIBLIOGRAPHIC INFORMATION AS IS CITED FOR REFERENCE MATERIALS. THE AUTHOR INDEX, A NEW FEATURE IN THE SECOND EDITION, IS INCLUDED TO FACILITATE THE USE OF THE BIBLIOGRAPHY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 226
AERONAUTICAL CHART AND INFORMATION CENTER ST LOUIS MO
CATALOG OF PUBLICATIONS. (U)
DESCRIPTIVE NOTE: EDITION NO. 4.
NOV 64 14P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: EXCLUSIVE OF CHARTS, FLIGHT INFORMATION PUBLICATIONS, AND RELATED SPECIFICATIONS.

DESCRIPTORS: (*BIBLIOGRAPHIES, *SCIENTIFIC RESEARCH), (*MAPPING, BIBLIOGRAPHIES), CATALOGS, AERONAUTICS, MAPS, GEODESICS, SATELLITES(ARTIFICIAL), PHOTOGRAPHY, COATINGS, PROCESSING, REPORTS (U)

CATALOG OF PUBLICATIONS: BIBLIOGRAPHY ON MISCELLANEOUS RESEARCH.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 252
MARTIN CO ORLANDO FLA
TECHNICAL WRITING: A SELECTED BIBLIOGRAPHY, (U)
NOV 64 17P MCCLURE,LUCILLE I
REPT. NO. RB-87

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SCIENTIFIC RESEARCH), (*REPORTS, BIBLIOGRAPHIES), SOCIAL COMMUNICATION, VOCABULARY, LANGUAGE, SPECIFICATIONS, INSTRUCTION MANUALS, HANDBOOKS (U)
IDENTIFIERS: TECHNICAL WRITING (U)

TECHNICAL WRITING: A SELECTED BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 042
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS
A REPORT GUIDE TO GAMMA RADIOGRAPHIC LITERATURE. (U)
DESCRIPTIVE NOTE: MONOGRAPH SERIES,
AUG 64 102P RODGERS,ERNEST H. IDER
BOGHOSIAN,SATRAK ;
REPT. NO. AMRA-MS-64-11

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIOGRAPHY, BIBLIOGRAPHIES), (*NONDESTRUCTIVE TESTING, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, RADIOGRAPHY), (*MATERIALS, NON-DESTRUCTIVE TESTING), REPORTS, ABSTRACTING, INDEXES, ARMY RESEARCH, GAMMA RAYS, QUALITY CONTROL, METALS, X RAYS, RADIOACTIVE ISOTOPES, TEST METHODS, TEST EQUIPMENT (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING INFORMATION RETRIEVAL SYSTEM COVERING THE SUBJECT OF GAMMA RADIOGRAPHY. WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING INFORMATION: (1) ITEM, REPORT, OR ARTICLE TITLE; (2) AUTHOR OR AUTHORS; (3) SOURCE OR FACILITY; (4) REPORT NUMBER OR IDENTIFICATION; (5) DATE; AND (6) ABSTRACT. WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED IN ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE AMRA IDENTIFICATION NUMBER. ALSO PROVIDED IS AN AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE ISSUING ORGANIZATION IS LISTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 043
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS
A REPORT GUIDE TO THERMAL TESTING LITERATURE. (U)
DESCRIPTIVE NOTE; MONOGRAPH SERIES,
AUG 64 47P MERMIB,CHARLES P. ;
RODGERS,ERNEST H. ;
REPT. NO. AMRA-MS-64-14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NON-DESTRUCTIVE TESTING, BIBLIOGRAPHIES), (*MATERIALS, NON-DESTRUCTIVE TESTING), (*BIBLIOGRAPHIES, NON-DESTRUCTIVE TESTING), TEMPERATURE, REPORTS, ABSTRACTING, INDEXES, ARMY RESEARCH, INFRARED RADIATION, ULTRASONIC RADIATION, TEMPERATURE SENSITIVE ELEMENTS, METALS, THERMAL PROPERTIES, TEST METHODS, TEST EQUIPMENT (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING INFORMATION RETRIEVAL SYSTEM COVERING THE SUBJECT OF THERMAL TESTING. WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING INFORMATION: (1) ITEM, REPORT, OR ARTICLE TITLE; (2) AUTHOR OR AUTHORS; (3) SOURCE OR FACILITY; (4) REPORT NUMBER OR IDENTIFICATION; (5) DATE; AND (6) ABSTRACT. WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED IN ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE AMRA IDENTIFICATION NUMBER. ALSO PROVIDED IS AN AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE ISSUING ORGANIZATION IS LISTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 044
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS
A REPORT GUIDE TO LIQUID PENETRANT LITERATURE. (U)
DESCRIPTIVE NOTE: MONOGRAPH SERIES,
AUG 64 36P RODGERS,ERNEST H. ;
MERMIB,CHARLES P. ;
REPT. NO. AMRA-MS-64-12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NON-DESTRUCTIVE TESTING, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NON-DESTRUCTIVE TESTING), (*MATERIALS, NON-DESTRUCTIVE TESTING), LIQUIDS, PENETRATION, REPORTS, ABSTRACTING, INDEXES, ARMY RESEARCH, METALS, DYES, TEST EQUIPMENT, TEST METHODS, MAGNETIC PROPERTIES, ULTRASONIC RADIATION (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING INFORMATION RETRIEVAL SYSTEM COVERING THE SUBJECT OF LIQUID PENETRANTS. WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING INFORMATION: (1) ITEM REPORT, OR ARTICLE TITLE; (2) AUTHOR OR AUTHORS; (3) SOURCE OR FACILITY; (4) REPORT NUMBER OR IDENTIFICATION; (5) DATE; AND (6) ABSTRACT. WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED IN ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE AMRA IDENTIFICATION NUMBER. ALSO PROVIDED IS AN AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE ISSUING ORGANIZATION IS LISTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 045
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS
A REPORT GUIDE TO LITERATURE IN THE FIELDS OF
FLUOROSCOPY AND REMOTE WIEWING TECHNIQUES. (U)
DESCRIPTIVE NOTE: MONOGRAPH SERIES,
AUG 64 43P MERHIB,CHARLES P. ;DER
BOGHOSIAN,SATRAK ;
REPT. NO. AMRA-MS-64-13

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NON-DESTRUCTIVE TESTING,
BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NON-DESTRUCTIVE
TESTING), (*MATERIALS, NON-DESTRUCTIVE TESTING),
(*FLUOROSCOPES, NONDESTRUCTIVE TESTING), REPORTS,
ABSTRACTING, INDEXES, ARMY RESEARCH, RADIOGRAPHY,
METALS, TEST METHODS, TEST EQUIPMENT, IMAGE TUBES (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS
CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING
INFORMATION RETRIEVAL SYSTEM COVERING THE
SUBJECT OF FLUOROSCOPY AND REMOTE VIEWING TECHNIQUES.
WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS
OF THE FOLLOWING INFORMATION: (1) ITEM, REPORT OR
ARTICLE TITLE; (2) AUTHOR OR AUTHORS; (3)
SOURCE OR FACILITY; (4) REPORT NUMBER OR
IDENTIFICATION; (5) DATE; AND (6) ABSTRACT.
WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED
IN ALPHABETICAL ORDER AND ARE CROSSREFERENCED BY THE
AMRA IDENTIFICATION NUMBER. ALSO PROVIDED IS AN
AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE
ISSUING ORGANIZATION IS LISTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 047
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS
A REPORT GUIDE TO AUTORADIOGRAPHIC AND
MICRORADIOGRAPHIC LITERATURE. (U)
DESCRIPTIVE NOTE: MONOGRAPH SERIES,
AUG 64 32P RODGERS,ERNEST H. I
REPT. NO. MS-64-10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NON-DESTRUCTIVE TESTING, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NON-DESTRUCTIVE TESTING), (*MATERIALS, NON-DESTRUCTIVE TESTING), (*RADIOGRAPHY, NON-DESTRUCTIVE TESTING), AUTORADIOGRAPHY, REPORTS, ABSTRACTING, INDEXES, ARMY RESEARCH, METALS, RADIOACTIVE ISOTOPES, METALLOGRAPHY, TEST METHODS, TEST EQUIPMENT (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING INFORMATION RETRIEVAL SYSTEM COVERING THE SUBJECTS OF AUTORADIOGRAPHY AND MICRORADIOGRAPHY. WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING INFORMATION: (1) ITEM REPORT, OR ARTICLE TITLE, (2) AUTHOR OR AUTHORS, (3) SOURCE OR FACILITY, (4) REPORT NUMBER OR IDENTIFICATION, (5) DATE, AND (6) ABSTRACT. WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED IN ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE AMRA IDENTIFICATION NUMBER. ALSO PROVIDED IS AN AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE ISSUING ORGANIZATION IS LISTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 700
NAVAL ORDNANCE LAB WHITE OAK MD
U. S. NAVAL ORDNANCE LABORATORY UNCLASSIFIED REPORTS
PUBLISHED BY THE AEROBALLISTICS AREA. (U)
DESCRIPTIVE NOTE: FINAL REPT. FOR 1 OCT 45-31 DEC 62,
NOV 64 96P THOMPSON,BETTY M. ;
REPT. NO. NOLTR-64-222
PROJ: 600 0100

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NAVAL RESEARCH, REPORTS), (*REPORTS,
NAVAL RESEARCH LABORATORIES), BALLISTICS, INDEXES,
ABSTRACTING, BIBLIOGRAPHIES, FLUID MECHANICS, ORDNANC(U)

A LIST OF ALL NAVAL ORDNANCE LABORATORY
UNCLASSIFIED REPORTS PUBLISHED BY THE
AEROBALLISTICS AREA DURING THE PERIOD 1 OCTOBER
1945 THROUGH 31 DECEMBER 1962 IS PRESENTED.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 000
ARMY ELECTRONICS LABS FORT MONMOUTH N J
PUBLICATIONS, PRESENTATIONS AND PATENTS, 1964. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY.
64 61P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ARMY RESEARCH, REPORTS), (*ELECTRONICS, REPORTS), ELECTRONICS LABORATORIES, BIBLIOGRAPHIES, LASERS, ELECTRONIC EQUIPMENT, PATENTS(U)

THIS REPORT IS A COMPILATION OF UNCLASSIFIED PUBLICATIONS, PRESENTATIONS AND PATENTS MADE DURING THE CALENDAR YEAR 1964 TO CONSOLIDATE SOME OF THE TECHNICAL CONTRIBUTIONS MADE BY USAEL PERSONNEL. IT INCLUDES FOR THE FIRST TIME INTERNALLY GENERATED UNCLASSIFIED TECHNICAL REPORTS. USAEL SPONSORED SYMPOSIA ARE ALSO LISTED. PUBLICATIONS FROM CONTRACTUALLY SUPPORTED RESEARCH PROGRAMS ARE NOT INCLUDED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 391
MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB
UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY,
SUPPLEMENT 1. (U)
DESCRIPTIVE NOTE: REPT. FOR 15 MAR 64-15 JUN 65,
JUN 65 10P
CONTRACT: AF19 628 500
MONITOR: ESD , TDR-64-340

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-607 539.

DESCRIPTORS: (*BIBLIOGRAPHIES, SCIENTIFIC RESEARCH), (*SCIENTIFIC RESEARCH, BIBLIOGRAPHIES), (*PHYSICS LABORATORIES, SCIENTIFIC RESEARCH), REPORTS, INDEXES, ELECTRONICS, PHYSICS, SPACE COMMUNICATION SYSTEMS, SOLID STATE PHYSICS, LASERS, RADIO ASTRONOMY, MAGNETIC MATERIALS, ATMOSPHERE ENTRY, MATERIALS, SEMICONDUCTORS, RADAR, ENGINEERING (U)

THIS LIST OF UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY IS THE FIRST SUPPLEMENT TO THE 15 MARCH 1964 EDITION, WHICH SHOULD BE RETAINED UNTIL A NEW CUMULATIVE LISTING IS PUBLISHED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 672
ARMY BIOLOGICAL LABS FREDERICK MD
MICROBIOLOGICAL SAFETY BIBLIOGRAPHY, (U)
JUL 65 81P PHILLIPS,G. BRIGGS ;
JENSKI,JOSEPH V. ;
REPT. NO. MISCELLANEOUS PUBLICATION-6

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIOLOGICAL LABORATORIES, SAFETY), (*BIOLOGICAL CONTAMINATION, BIBLIOGRAPHIES), MEDICAL LABORATORIES, MEDICAL TECHNICIANS, INFECTIONS, HAZARDS, LABORATORY ANIMALS, LABORATORY EQUIPMENT, GERMICIDES, VENTILATION, ULTRAVIOLET RADIATION, AEROSOL GENERATORS, SAMPLERS, RESPIRATORS, PROTECTIVE MASKS, DECONTAMINATION (U)

MORE THAN A THOUSAND ARTICLES ON BIOLOGICAL SAFETY IN INFECTIOUS DISEASE LABORATORIES ARE LISTED FOR THE USE OF SUPERVISORS RESPONSIBLE FOR THE SAFETY OF LABORATORY PERSONNEL. AN AUTHOR INDEX IS INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 717
FORDHAM UNIV BRONX N Y INST OF CONTEMPORARY RUSSIAN STUDIES
SOVIET BIOMEDICAL JOURNALS: INDEX TO SELECTED ABSTRACTS, SERIES II, NOS. 1-4, (U)
JUN 65 68P JASKIEVICZ,W. C. I
CONTRACT: DA18 108 405CML867A
MONITOR: TT , 65-62789

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MEDICAL RESEARCH, INDEXES), (*USSR, MEDICAL RESEARCH), PERIODICALS, ABSTRACTING, SUBJECT INDEXING, BIBLIOGRAPHIES, MICROBIOLOGY, DISEASES, PHARMACOLOGY, BIOLOGY, BIOCHEMISTRY, PHYSIOLOGY, MEDICAL PERSONNEL, SCIENTIFIC PERSONNEL, MEDICAL LABORATORIES, BIOLOGICAL LABORATORIES (U)

THE REPORT INCLUDES THE FOLLOWING: (1) AN INDEX OF SUBJECTS MENTIONED IN THE BIBLIOGRAPHIES AND ABSTRACTS OF SERIES II OF THE SELECTED ABSTRACTS; (2) AN INDEX OF PERSONS WHO WERE MENTIONED IN THE ABSTRACTS AS AUTHORS OR SCIENTIFIC CONTRIBUTORS; (3) AN INDEX OF SOVIET AND OTHER BIOMEDICAL INSTITUTES AND FACILITIES FROM WHICH THE ORIGINAL MATERIAL ORIGINATED OR WHICH WERE MENTIONED IN THE COURSE OF THE ORIGINAL ARTICLE; AND (4) AN INDEX OF GEOGRAPHICAL PLACES MENTIONED IN THE ABSTRACTS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-619 373
HRB-SINGER INC STATE COLLEGE PA
TOWARD A GENERAL METHODOLOGY FOR SYSTEMS
EVALUATION, (U)
JUL 65 73P MARKEL,GENE A. I
REPT. NO. HRB-352-R-13
CONTRACT: NONR3810(00

UNCLASSIFIED REPORT

DESCRIPTORS: (*SYSTEMS ENGINEERING, THEORY),
OPERATIONS RESEARCH, COMMUNICATION THEORY,
BIBLIOGRAPHIES (U)
IDENTIFIERS: HOIST PROJECT, SYSTEMS ANALYSIS,
EVALUATION (U)

THE PAPER ATTEMPTS TO ESTABLISH A GENERALIZED APPROACH TO SYSTEMS EVALUATION. A FUNDAMENTAL PERSPECTIVE ON SYSTEMS EVALUATION IS FORMULATED BY APPLYING THE RUDIMENTARY PRINCIPLES OF EVALUATION TO THE SYSTEM CONCEPT. SYSTEMS MAY BE EVALUATED ON THE BASIS OF THEIR STRUCTURAL, OPERATIONAL OR PERFORMANCE CHARACTERISTICS. A MODULAR APPROACH IS RECOMMENDED AS MOST VALID AND PRACTICAL FOR GENERAL SYSTEMS EVALUATION. THE MODULAR CONCEPT IS EMPLOYED TO ESTABLISH REQUIREMENTS FOR THE EVALUATION OF INTELLIGENCE SYSTEMS AND SOME APPLICABLE MODELING CONCEPTS ARE DESCRIBED. AN ANNOTATED BIBLIOGRAPHY OF SOME LITERATURE RELATED TO SYSTEMS EVALUATION IS INCLUDED AS AN APPENDIX. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 232
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
CHARGE-CHANGING COLLISIONS IN GASES. A DESCRIPTIVE BIBLIOGRAPHY. I. (U)
FEB 64 146P
REPT. NO. AID-U-64-4
MONITOR: TT , 65-64121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILED FROM ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKA (USSR) 1930-63. AVAILABLE COPY WILL NOT PERMIT FULLY LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF REQUESTED BY USERS OF DDC. COPY IS AVAILABLE FOR PUBLIC SALE.

DESCRIPTORS: (*IONIZATION, GASES), (*NUCLEAR SCATTERING, IONIZATION), BIBLIOGRAPHIES, PLASMA MEDIUM, ELECTRON CAPTURE, PERTURBATION THEORY, ELECTRIC DISCHARGES, DISSOCIATION, EXCITATION, INELASTIC SCATTERING, HYDROGEN, OXYGEN, WATER, HELIUM GROUP GASES, IONS, IRON, COBALT, NICKEL, SILICON, GERMANIUM, TIN, LEAD, LITHIUM, USSR (U)

A BIBLIOGRAPHY IS GIVEN OF CHARGE-CHANGING COLLISIONS IN GASES. EIGHTY-SEVEN ARTICLES ARE LISTED AND THEIR ABSTRACTS ARE INCLUDED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 940
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
ELECTROSTATIC PHOTOGRAPHY. (U)
JAN 64 49P
REPT. NO. AID-U-64-2
MONITOR: TT , 65-64285

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BIBLIOGRAPHY OF SOVIET LITERATURE FOR THE PERIOD 1959-1963.

DESCRIPTORS: (*ELECTROPHOTOGRAPHY, USSR), PHOTOGRAPHIC EQUIPMENT, PHOTOGRAPHIC MATERIALS, PHOTOGRAPHIC TECHNIQUES, ELECTROSTATICS, BIBLIOGRAPHIES (U)

THIS BIBLIOGRAPHY IS INTENDED AS A GUIDE TO SOVIET LITERATURE ON ELECTROSTATIC PHOTOGRAPHY. THE BIBLIOGRAPHY COVERS THE PERIOD 1959-1963. THE 68 ENTRIES ARE ARRANGED ALPHABETICALLY BY AUTHOR WITHIN EACH SECTION. AN ANNOTATION IS PROVIDED FOR EACH ARTICLE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-627 886 14/1 12/2
RAND CORP SANTA MONICA CALIF
ANNOTATED BIBLIOGRAPHY ON SYSTEMS COST ANALYSIS. (U)
FEB 66 70P DONVITO,P. A. I
REPT. NO. RM-4848-PR
CONTRACT: AF49(638)-1700

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COST EFFECTIVENESS, BIBLIOGRAPHIES), (*OPERATIONS RESEARCH, COST EFFECTIVENESS), DEPARTMENT OF DEFENSE, BUDGETS, SYSTEMS ENGINEERING (U)

A BIBLIOGRAPHY OF UNCLASSIFIED LITERATURE ON SYSTEMS COST ANALYSIS, INCLUDING BOOKS, PAMPHLETS, ARTICLES, PAPERS, AND TECHNICAL AND RESEARCH MEMORANDA, GIVING THE NATURE AND CONTENT OF EACH WORK. THE TITLES ARE GROUPED INTO CATEGORIES REPRESENTING BROAD AREAS OF COST ANALYSIS AND ITS APPLICATION IN THE DEPARTMENT OF DEFENSE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 252 14/2 6/8 15/5 13/4
11/10 4/2

ARMY NATICK LABS MASS
BIBLIOGRAPHY OF TECHNICAL PUBLICATIONS AND PAPERS, JANUARY 1965 - JUNE 1966. (U)

DESCRIPTIVE NOTE: TECHNICAL REPT.
JUL 66 75P

REPT. NO. TR-67-1.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ARMY RESEARCH, REPORTS), BIBLIOGRAPHIES, CLOTHING, ORGANIC MATERIALS, FOOD, CONTAINERS, MECHANICAL ENGINEERING, AIR DROP OPERATIONS, METEOROLOGY (U)

A BIBLIOGRAPHIC LISTING OF TECHNICAL PUBLICATIONS AND PAPERS BY THE PERSONNEL OF THE U. S. ARMY NATICK LABORATORIES AND ITS CONTRACTORS FOR THE PERIOD JANUARY 1965 THROUGH JUNE 1966. (AUTHOR) (U)

MILITARY SCIENCES

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 861
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
CHEMICAL AND BIOLOGICAL WARFARE (USSR). (U)
APR 63 34P
MONITOR: AID B63 52

UNCLASSIFIED REPORT

DESCRIPTORS: *BIOLOGICAL WARFARE, *CHEMICAL WARFARE, *BIBLIOGRAPHIES. (U)
IDENTIFIERS: USSR. (U)

CHEMICAL AND BIOLOGICAL WARFARE BIBLIOGRAPHY (USSR) BASED ON SOVIET AND SOVIET-BLOC-OPEN SOURCE MATERIALS AVAILABLE AT THE AEROSPACE INFORMATION DIVISION AND THE LIBRARY OF CONGRESS AND COVERS THE PERIOD FROM JANUARY 1960 THROUGH DECEMBER 1962.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-405 962
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA
WEAPONS. (U)
JUN 63 1V

UNCLASSIFIED REPORT

DESCRIPTORS: (*WEAPONS), ABSTRACTS, CHEMICAL WARFARE, BIOLOGICAL WARFARE, CIVIL DEFENSE SYSTEMS, MILITARY PERSONNEL, NUCLEAR WEAPONS, NUCLEAR WARFARE, RADIOLOGICAL CONTAMINATION, BIBLIOGRAPHIES (U)
IDENTIFIERS: USSR. (U)

AN ABSTRACT BIBLIOGRAPHY ON WEAPONS USED IN MODERN WARFARE.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-413 797
QUARTERMASTER RESEARCH AND ENGINEERING COMMAND NATICK MASS
BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS FOR 1962. (U)
MAY 63 37P
MONITOR: QREC QMRE27

UNCLASSIFIED REPORT

DESCRIPTORS: (*ARMED FORCES SUPPLIES, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, ARMED FORCES SUPPLIES), LOGISTICS, FOOD, SCIENTIFIC RESEARCH, ENGINEERING, REPORTS. (U)
IDENTIFIERS: 1962. (U)

BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS BY THE QUARTERMASTER RESEARCH AND ENGINEERING CENTER.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-418 084
STANFORD RESEARCH INST MENLO PARK CALIF
DEFENSE ANALYSIS CENTER BIBLIOGRAPHY AND ABSTRACTS.
(U)

SEP 63 1V

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, NATIONAL DEFENSE),
(*NATIONAL DEFENSE, BIBLIOGRAPHIES) (U)
IDENTIFIERS: 1963, CONUS, AIR DEFENSE, ARMS
CONTROL (U)

DEFENSE ANALYSIS CENTER BIBLIOGRAPHY AND ABSTRACTS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 209
AMERICAN UNIV WASHINGTON D C
UNCONVENTIONAL WARFARE. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY SUPPLEMENT NO. 1,
JAN 64 36P GARDNER,NANCY ANN ;
REPT. NO. RM64 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPLEMENT NO. 1 TO AD-404 755.

DESCRIPTORS: (*BIBLIOGRAPHIES, UNCONVENTIONAL WARFARE), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), GUERRILLA WARFARE, LIMITED WAR, COUNTERINSURGENCY, MILITARY STRATEGY, MILITARY ORGANIZATION, OPERATIONS RESEARCH, MODELS (SIMULATIONS), HISTORY, THEORY (U)
IDENTIFIERS: 1964, ASIA, EUROPE, LATIN AMERICA, USSR, AFRICA, CUBA, IRAN, IRAQ (U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NUMBER 1.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 929
AMERICAN UNIV WASHINGTON D C
JUNGLE WARFARE BIBLIOGRAPHY, (U)
JAN 64 51P MUGHISUDDIN,MARGARET ;
BUTLERAND ,BARBARA REASON ;GARDNER,NANCY ANN ;
REPT. NO. RM64 2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*GUERRILLA WARFARE, BIBLIOGRAPHIES), COUNTERINSURGENCY, ABSTRACTS, LABOR, MILITARY TACTICS, JUNGLES, TERRAIN, CLIMATOLOGY, ECOLOGY, MILITARY TRAINING, MILITARY REQUIREMENTS, MILITARY PERSONNEL (U)
IDENTIFIERS: AFRICA, ASIA, LATIN AMERICA, KENYA, 1964 (U)

INFORMATION ON JUNGLE TERRAIN AND CLIMATE, AS THEY AFFECT TACTICS, MATERIEL, AND MANPOWER, IS OF INTEREST TO THE U. S. ARMY BECAUSE U. S. TROOPS ARE DAILY INVOLVED IN TRAINING FOR AND ADVISING ON THE CONDUCT OF WARFARE IN THE JUNGLES OF AFRICA, ASIA, AND LATIN AMERICA. THIS BIBLIOGRAPHY PRESENTS ARTICLES AND BOOKS CONTAINING INFORMATION ON EXPERIENCES IN JUNGLE CAMPAIGNS, SUGGESTIONS FOR TACTICS TAILORED FOR USE IN JUNGLES, AND WAYS OF TRAINING TROOPS IN JUNGLE WARFARE. THIS MATERIAL SHOULD BE OF USE TO ARMY SCHOOLS. THE ITEMS CONTAINED IN THIS BIBLIOGRAPHY WERE REVIEWED IN THE COURSE OF MAINTAINING A BIBLIOGRAPHIC SURVEY OF THE UNCLASSIFIED, ENGLISH-LANGUAGE SOURCES OF INFORMATION ON COUNTERINSURGENCY. THEY ARE DIVIDED ACCORDING TO GEOGRAPHIC AREA, AND THERE IS AN AUTHOR-TITLE INDEX TO AID THE READER IN LOCATING ITEMS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-433 158
AMERICAN UNIV WASHINGTON D C
COUNTERINSURGENCY BIBLIOGRAPHY SUPPLEMENT NO. 2, (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
MAR 64 44P MUGHISUDDIN,MARGARET I
REPT. NO. RM-64-4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPLEMENT TO AD-409 100.

DESCRIPTORS: (*BIBLIOGRAPHIES, *COUNTERINSURGENCY), MODELS(SIMULATIONS), HISTORY, MILITARY STRATEGY, GUERRILLA WARFARE, POPULATION, LOGISTICS, FOREIGN POLICY, DEFENSE SYSTEMS, THEORY, ABSTRACTS (U)
IDENTIFIERS: SORO, 1964, INSURGENCY, ANTIGUERRILLA WARFARE, PRE-WORLD WAR TWO, POSTWORLD WAR TWO, AXISCOUNTERINSURGENCY (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-442 272
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
COUNTERINSURGENCY BIBLIOGRAPHY, (U)
JUN 64 42P MUGHISUDDIN,MARGARET ;
REPT. NO. RM64 9

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPL. NO. 3 TO AD-294 857 AND AD-409 100.

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, COUNTERINSURGENCY), ABSTRACTS, HISTORY, TRAINING, GUERRILLA WARFARE, PSYCHOLOGICAL WARFARE, STRATEGIC WARFARE, CUBA, SOUTH ASIA, SOUTH AMERICA, VIETNAM, LIMITED WAR, LOGISTICS, DEFENSE SYSTEMS, AFRICA (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-446 444
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY. SUPPLEMENT NO. 3. (U)
AUG 64 32P OWENS,GAIL I
REPT. NO. RM64 12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, PSYCHOLOGICAL WARFARE), (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*OPERATIONS RESEARCH, PSYCHOLOGICAL WARFARE), POLITICAL SCIENCE, MILITARY STRATEGY, MILITARY TACTICS, PROPAGANDA (U)
IDENTIFIERS: BRAINWASHING (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-452 176
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
UNCONVENTIONAL WARFARE - BIBLIOGRAPHY SUPPLEMENT NO. 4. (U)
OCT 64 49P GARDNER,NANCY ANN I
REPT. NO. RM64 14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, UNCONVENTIONAL WARFARE), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), GUERRILLA WARFARE, COUNTERINSURGENCY (U)
IDENTIFIERS: 1964 (U)

UNCONVENTIONAL WARFAREBIBLIOGRAPHY SUPPLEMENT NO. 4.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 200
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY. SUPPLEMENT NO. 4, (U)
NOV 64 23P OWENS,GAIL I
REPT. NO. RM64 15

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ORIGINAL COPY IS OF POOR QUALITY. REPRODUCTION MAY NOT BE ENTIRELY LEGIBLE.

DESCRIPTORS: (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, PSYCHOLOGICAL WARFARE), OPERATIONS RESEARCH, PROPAGANDA, COMMUNISM, COMMUNICATION SYSTEMS, MILITARY INTELLIGENCE, POLITICAL SCIENCE, DISPLAY SYSTEMS (U)
IDENTIFIERS: ABSTRACTS (U)

BIBLIOGRAPHY OF HISTORICAL AND FUNDAMENTAL ELEMENTS OF PSYCHOLOGICAL OPERATIONS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-458 765
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
COUNTERINSURGENCY BIBLIOGRAPHY SUPPLEMENT NO. 5. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
DEC 64 30P MUGHISUDDIN,MARGARET ;
REPT. NO. RM-64-16

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, COUNTERINSURGENCY), GUERRILLA WARFARE, MILITARY STRATEGY, FOREIGN POLICY, UNITED STATES GOVERNMENT, WARFARE, MILITARY ORGANIZATIONS, MILITARY PERSONNEL, MILITARY INTELLIGENCE, MILITARY TRAINING, LOGISTICS, INDEXES (U)

CONTENTS: PART I: FUNDAMENTAL ELEMENTS OF COUNTERINSURGENCY -- THE INSURGENCY PROBLEM; UNITED STATES POSTURE; ADMINISTRATIVE MATTERS; INTELLIGENCE AND COUNTERINTELLIGENCE; POPULATION MANAGEMENT; ANTIGUERRILLA WARFARE; PART II: HISTORICAL MODELS OF COUNTERINSURGENCY -- PREWORLD WAR II; WORLD WAR II; POST-WORLD WAR II CASES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 444
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
SOVIET LITERATURE ON PROTECTIVE STRUCTURES AND COMPONENTS. (U)
DESCRIPTIVE NOTE: COMPILATION OF ABSTRACTS ON SURVEYS OF SOVIETBLOC SCIENTIFIC AND TECHNICAL LITERATURE.
MAY 64 25P
REPT. NO. ATD-U-64-44

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL ENGINEERING, USSR), (*TRANSPORTATION, USSR), (*BIBLIOGRAPHIES, USSR), CONSTRUCTION, RAILROADS, ROADS, UNDERGROUND STRUCTURES, GROUND SUPPORT EQUIPMENT, PACKAGING, POWER SUPPLIES, PERIODICALS, ABSTRACTING (U)

THIS IS THE TWELFTH IN A SERIES OF REPORTS REVIEWING SOVIET LITERATURE ON GROUND SUPPORT EQUIPMENT. THIS REPORT IS BASED ON MATERIALS RECEIVED BETWEEN 29 DECEMBER 1963 AND 27 MARCH 1964 AND CONTAINS MATERIALS RELEVANT TO TOPICS UNDER THE FOLLOWING FIELDS OF INTEREST: MISSILE DATA; FACILITIES; TRANSPORT; LAUNCH SITES; NATURAL ENVIRONMENT; PACKAGING AND STORAGE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-461 201
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
UNCONVENTIONAL WARFARE. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY SUPPLEMENT NO. 5,
JAN 65 34P CURRIER,NANCY I
REPT. NO. SORO-RM-65-1

UNCLASSIFIED REPORT
AVAILABILITY: MICROFICHE ONLY AFTER ORIGINAL COPIES EXHAUSTED.
SUPPLEMENTARY NOTE: MICROFICHE ONLY AFTER ORIGINAL COPIES EXHAUSTED.

DESCRIPTORS: (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, UNCONVENTIONAL WARFARE), HISTORY, ABSTRACTING, TACTICAL WARFARE, STRATEGIC WARFARE, GUERRILLA WARFARE, COMMUNISTS, LOGISTICS, MILITARY INTELLIGENCE, TERRAIN, MILITARY STRATEGY, MILITARY TACTICS, REVIEWS, COUNTERINSURGENC(U)

CONTENTS: FUNDAMENTAL ELEMENTS OF UNCONVENTIONAL WARFARE THEORY; STRATEGY; LEGALITY; ADMINISTRATIVE MATTERS; UNCONVENTIONAL WARFARE OPERATIONS; SEMI-CONVENTIONAL FORCES; HISTORICAL MODELS OF UNCONVENTIONAL WARFARE IN INSURGENCIES -- PRE-WORLD WAR II EXPERIENCE; WORLD WAR II EXPERIENCE; POST-WORLD WAR II EXPERIENCE. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 061
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY SUPPLEMENT NO. 5. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
FEB 65 19P OWENS,GAIL I
REPT. NO. RM-65-14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, PSYCHOLOGICAL WARFARE), OPERATIONS RESEARCH, PROPAGANDA, COMMUNISM, COMMUNICATION SYSTEMS, MILITARY INTELLIGENCE, POLITICAL SCIENCE (U)
IDENTIFIERS: ABSTRACTS (U)

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 062
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY, SUPPLEMENT NO. 6. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
MAY 65 42P GOSIER,DENNIS F
REPT. NO. RM-65-6

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, PSYCHOLOGICAL WARFARE), POLITICAL SCIENCE, COMMUNISM, MILITARY STRATEGY, PROPAGANDA, OPERATIONS RESEARCH, COMMUNICATION SYSTEMS, DISPLAY SYSTEMS (U)
IDENTIFIERS: ABSTRACTS (U)

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 544
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NO. 6. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
APR 65 73P GARDNER,NANCY ANN I
REPT. NO. RM-65-5

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, UNCONVENTIONAL WARFARE), COUNTERINSURGENCY, GUERILLA WARFARE, MILITARY STRATEGY, USSR, LOGISTICS, AFRICA, EUROPE, ASIA, MIDDLE EAST, SOUTH AMERICA, VIETNAM (U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NO. 6.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-468 851
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
COUNTERINSURGENCY BIBLIOGRAPHY - SUPPLEMENT NO. 7. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
JUN 65 111P MUGHISUDDIN,MARGARET I
REPT. NO. RM-65-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, COUNTERINSURGENCY), GUERRILLA WARFARE, MILITARY INTELLIGENCE, PSYCHOLOGICAL WARFARE, SOCIOLOGY, DEFENSE SYSTEMS, POLITICAL SCIENCE, ECONOMICS, CASUALTIES, HISTORY, LATIN AMERICA, EUROPE, ASIA, MIDDLE EAST, SOUTHEAST ASIA, VIETNAM, LOGISTICS, MILITARY TRAINING (U)
IDENTIFIERS: CIVIL DISORDER, ABSTRACTS (U)

CONTENTS: AREAS OF INSTABILITY; THE NATURE OF INSURGENCY; COMMUNIST SUPPORT AND EXPLOITATION; POLITICAL POSTURE; MILITARY STRATEGY; RECRUITMENT AND TRAINING, COMMAND AND LEADERSHIP, TROOP MORALE AND DISCIPLINE; WORKING WITH INDIGENOUS FORCES; LOGISTICS; INTELLIGENCE AND COUNTERINTELLIGENCE; GENERAL SOCIO-ECONOMIC-POLITICAL MEASURES; PSYCHOLOGICAL OPERATIONS; RESETTLEMENT; INTIMIDATION, REPRESSION, TERRORISM, AND POLICE ACTIONS; ANTI-GUERILLA WARFARE; LEGALITY AND MORALITY; AND HISTORICAL MODELS OF COUNTERINSURGENCY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-473 881
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
UNCONVENTIONAL WARFARE BIBLIOGRAPHY. SUPPLEMENT NO. 7. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
JUL 65 63P CURRIER,NANCY I
REPT. NO. RM-65-8
CONTRACT: DA49 092AR07

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO SUPPLEMENT NO. 5, AD-461 201.

DESCRIPTORS: (*UNCONVENTIONAL WARFARE, *BIBLIOGRAPHIES), TRINIDAD, PANAMA, HONDURAS, GUATEMALA, DOMINICAN REPUBLIC, OPERATIONS RESEARCH, COMMUNISTS, LOGISTICS, TRAINING, GUERRILLA WARFARE, TERRAIN, ALGERIA, ANGOLA, CONGO(LEOPOLDVILLE), UNION OF SOUTH AFRICA, BURMA, PERU, JAMAICA, HAITI, EL SALVADOR, INDONESIA, VIETNAM, LAOS, THAILAND, PHILIPPINES, MALAYA, NORTH KOREA, ARGENTINA, BRAZIL, COLOMBIA, CUBA (U)
IDENTIFIERS: BOLIVIA, CAMEROON, MALAWI (U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY. SUPPLEMENT NO. 7.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-473 882
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY - SUPPLEMENT NO. 7. (U)
DESCRIPTIVE NOTE: RESEARCH MEMO.,
AUG 65 40P GOSIER,DENNIS I
REPT. NO. RM-65-9
CONTRACT: DA49 092AR07

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO SUPPLEMENT NO. 1, AD-461 201.

DESCRIPTORS: (*PSYCHOLOGICAL WARFARE, *BIBLIOGRAPHIES), APPLIED PSYCHOLOGY, PROPAGANDA, ARMED FORCES OPERATIONS, MILITARY PSYCHOLOGY, MILITARY STRATEGY, MILITARY TACTICS (U)

CONTENTS: PSYOPS ORGANIZATION AND PERSONNEL; PSYCHO-POLITICAL WARFARE; MILITARY PSYCHOLOGICAL OPERATIONS; PSYOPS TECHNIQUES; MEDIA AND SUPPORT; PSYOPS ANALYSIS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 296
PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D
C
REFERENCES PERTAINING TO DYNAMIC ENVIRONMENTS DURING
TRANSPORTATION, (U)
MAR 64 1V LEE,RICHARD W. M. I
REPT. NO. 563 009,PDL46816

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, TRANSPORTATION),
(*TRANSPORTATION, BIBLIOGRAPHIES), SHOCK (MECHANICS),
VIBRATION, VIBRATION ISOLATORS, PACKAGING (U)
IDENTIFIERS: CUSHIONING (U)

THE BIBLIOGRAPHY LISTS 47 ITEMS ON THE ANALYSIS OF
TRANSPORTATION ENVIRONMENTS AND PROTECTION OF
MATERIALS IN TRANSIT. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-602 772
ARMY GENERAL EQUIPMENT TEST ACTIVITY FORT LEE VA
ABSTRACT BIBLIOGRAPHY TECHNICAL REPORTS PUBLISHED
FISCAL YEAR 1964. (U)
81P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, ABSTRACTING), (*ARMY EQUIPMENT, TESTS), (*FOOD, TESTS), CLOTHING, LOGISTICS, RADIATION EFFECTS, REPORTS, CONTAINERS (U)

ABSTRACTS ARE GIVEN ON ENGINEERING TESTS OF EQUIPMENT IN GENERAL USE THROUGHOUT THE ARMY. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-604 572
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
UNCONVENTIONAL WARFARE. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY SUPPLEMENT NO. 3,
JUL 64 56P GARDNER,NANCY ANN I
REPT. NO. SORO-RM-64-10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: OPERATING UNDER CONTRACT WITH THE DEPARTMENT OF THE ARMY.

DESCRIPTORS: (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, UNCONVENTIONAL WARFARE), MILITARY STRATEGY, MILITARY TACTICS, PSYCHOLOGICAL WARFARE, HISTORY, ABSTRACTING (U)

CONTENTS: FUNDAMENTAL ELEMENTS OF UNCONVENTIONAL WARFARE (THEORY, STRATEGY, LEGALITY, ADMINISTRATIVE MATTERS, UNCONVENTIONAL WARFARE OPERATIONS, SEMI-CONVENTIONAL)I HISTORICAL MODELS OF UNCONVENTIONAL WARFARE IN INSURGENCIES (PRE-WORLD WAR I EXPERIENCE, WORLD WAR I-1939 EXPERIENCES, WORLD WAR II EXPERIENCE, POST-WORLD WAR II EXPERIENCE). (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 767
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH OFFICE
COUNTERINSURGENCY BIBLIOGRAPHY SUPPLEMENT NO. 4, (U)
SEP 64 56P MUGHISUDDIN,MARGARET I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: OPERATING UNDER CONTRACT WITH THE DEPT. OF THE ARMY, SEE ALSO AD-433 158.

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, COUNTERINSURGENCY), GUERRILLA WARFARE, MILITARY STRATEGY, FOREIGN POLICY, UNITED STATES GOVERNMENT, WARFARE, MODELS (SIMULATIONS), HISTORY, ABSTRACTING, MILITARY INTELLIGENCE, COUNTERMEASURES (U)

CONTENTS: THE INSURGENCY PROBLEM; UNITED STATES POSTURE; ADMINISTRATIVE MATTERS; INTELLIGENCE AND COUNTERINTELLIGENCE; POPULATION MANAGEMENT; ANTIGUERRILLA WARFARE; LEGALITY AND MORALITY; WORLD WAR II; AXIS COUNTERINSURGENCY; POST-WORLD WAR II CASES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-608 380
OKLAHOMA UNIV RESEARCH INST NORMAN
THE PSYCHOLOGICAL EFFECTS OF NON-NUCLEAR WEAPONS: A BIBLIOGRAPHY WITH SELECTED ABSTRACTS. VOLUME I. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.,
AUG 64 88P PAGE,MONTE M. ;
GOFF,CLINTON ;PALMER,J. D. ;
REPT. NO. OURI-TR-1419-4
CONTRACT: AF08 635 3693

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*WARFARE, REACTION (PSYCHOLOGY)), (*BIBLIOGRAPHIES, WARFARE), STRESS (PSYCHOLOGY), EMOTIONS, STRESS (PHYSIOLOGY), PSYCHOLOGICAL WARFARE, ABSTRACTING, SOCIOMETRICS, WEAPONS, WEAPON SYSTEMS, LIMITED WARFARE, PSYCHOMETRICS, CIVILIAN PERSONNEL (U)

PSYCHOLOGICAL EFFECTS OF NON-NUCLEAR WEAPONS: A BIBLIOGRAPHY WITH SELECTED ABSTRACTS, VOLUME I.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 269
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
WRITING AND SUBMITTING THE SUCCESSFUL PROPOSAL. A
SELECTIVE ANNOTATED BIBLIOGRAPHY. (U)
OCT 62 3P GRAZIANO,EUGENE E. I
REPT. NO. SB-62-52

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PROCUREMENT, REPORTS), (*REPORTS,
PREPARATION), ENGINEERING, BIBLIOGRAPHIES (U)
IDENTIFIERS: PROPOSALS, TECHNICAL WRITING (U)

WRITING AND SUBMITTING THE SUCCESSFUL PROPOSAL. A
SELECTIVE ANNOTATED BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 501
AUERBACH CORP PHILADELPHIA PA
DOD USER NEEDS STUDY, PHASE I, VOLUME I. (U)
DESCRIPTIVE NOTE: FINAL TECHNICAL REPT.,
MAY 65 176P BERUL,LAWRENCE H. I
ELLING,MICHAEL E. IKARSON,ALLAN ISHAFRITZ,ARNOLD
B. ISIEBER,HARRY I
REPT. NO. 1151-TR-3
CONTRACT: SD219

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-601 259 AND AD-615
502.

DESCRIPTORS: (*DEPARTMENT OF DEFENSE, DOCUMENTATION),
(*INFORMATION RETRIEVAL, DEPARTMENT OF DEFENSE),
(*ENGINEERING PERSONNEL, INFORMATION RETRIEVAL),
(*SCIENTIFIC PERSONNEL, INFORMATION RETRIEVAL),
BIBLIOGRAPHIES, PSYCHOMETRICS, SCIENTIFIC RESEARCH (U)
IDENTIFIERS: DEFENSE DOCUMENTATION CENTER,
INFORMATION CENTERS, INFORMATION SCIENCES, TECHNOLOGY(U)

AN INTERVIEW-BASED SURVEY OF THE DOD RDT AND E POPULATION WAS CONDUCTED TO DETERMINE HOW DOD SCIENTISTS AND ENGINEERS PRESENTLY ACQUIRE AND USE SCIENTIFIC AND TECHNICAL INFORMATION. DEPTH INTERVIEWS WERE CONDUCTED WITH 1375 RESPONDENTS RANDOMLY SELECTED FROM THE 36,000 MEMBERS OF THE DOD RDT AND E POPULATION. THE CRITICAL INCIDENT INTERVIEWING TECHNIQUE WAS USED TO ISOLATE A RECENTLY COMPLETED TASK, AND TO DEFINE THE CHARACTERISTICS (E.G., DEPTH, VOLUME, CLASS, TIMELINESS, FIELD MEDIA) OF THE INFORMATION ACQUIRED AND USED IN THE PERFORMANCE OF THAT TASK. A SEMI-STRUCTURED INTERVIEW GUIDE AND HANDBOOK WERE DEVELOPED AND USED TO ENSURE CONSISTENCY OF QUESTION INTERPRETATION. A DATA COMPILATION SYSTEM AND COMPUTER PROGRAMS WERE DEVELOPED TO COMPILE, ANALYZE, COMPRESS, AND PRESENT THE DATA. APPROXIMATELY 600 ONE-WAY, TWO-WAY AND THREE-WAY TABLES WERE PREPARED TO AID IN THE ANALYSIS. VOLUME I CONSISTS OF THREE SECTIONS ENTITLED: MANAGEMENT REPORT, CONDUCT OF STUDY, AND ANALYSIS OF DATA, PLUS FOUR APPENDICES ENTITLED: STUDY EXECUTION, DISCUSSION AND RESULTS OF SURVEY QUESTIONS, BIBLIOGRAPHY OF USER STUDIES, AND GLOSSARY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 467
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
CBE FACTORS. (U)
DESCRIPTIVE NOTE: ANNOTATED BIBLIOGRAPHY ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.
JUL 65 78P
REPT. NO. ATD-B-65-43 ,1
MONITOR: TT , 65-62674

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BACTERIAL AEROSOLS, BIBLIOGRAPHIES), (*CHEMOTHERAPEUTIC AGENTS, BIBLIOGRAPHIES), (*AEROSOLS, BIBLIOGRAPHIES), (*MICROBIOLOGY, BIBLIOGRAPHIES), TOXINS + ANTITOXINS, VACCINES, BRUCELLA, BACILLUS ANTHRACIS, CLOSTRIDIUM, PASTEURELLA, STAPHYLOCOCCUS, MYCOBACTERIUM TUBERCULOSIS, VIRUSES, DISEASES, CARDIAC GLYCOSIDES, HERBICIDES, RESPIRATORY DISEASES, PHARMACOLOGY, PENICILLINS, PSYCHOTROPIC AGENTS, ANTIBIOTICS, DOSAGE, CENTRAL NERVOUS SYSTEM, PHYSIOLOGY, PATHOLOGY, BIOCHEMISTRY, BIOLOGICAL STAINS, IMMUNITY, CHEMICAL WARFARE AGENTS, BIOLOGICAL WARFARE AGENTS, USSR (U)

AEROSOLS, BIOLOGICAL PATHOGENS, AND CHEMICAL SUBSTANCES; ANNOTATED BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-621 644
ARMY LIBRARY WASHINGTON D C
UNITED STATES NATIONAL SECURITY. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY.
JUN 56 223P
REPT. NO. SB-7
MONITOR: TT , 65-64025

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NATIONAL DEFENSE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NATIONAL DEFENSE), COLD WAR, MILITARY STRATEGY, GOVERNMENT(FOREIGN), FOREIGN POLICY, POLITICAL SCIENCE, USSR, CHINA, GREAT BRITAIN, UNITED STATES, AERIAL WARFARE, NUCLEAR WARFARE, UNCONVENTIONAL WARFARE, PSYCHOLOGICAL WARFARE, DISARMAMENT (U)

THIS STUDY IS INTENDED AS AN AID TO POLICY-MAKERS, PLANNERS, RESEARCHERS AND STUDENTS INVOLVED IN MATTERS PERTAINING TO THE NATIONAL SECURITY OF THE U. S. THIS PUBLICATION CONSISTS OF APPROXIMATELY 1,000 UNCLASSIFIED TITLES OF MAGAZINE ARTICLES, REPORTS, BOOKS, AND OTHER MATERIALS IN THE HOLDINGS OF THE ARMY LIBRARY, AND COVERS A PERIOD OF TWO YEARS, FROM EARLY 1954 THROUGH MAY 1956. AS A FURTHER AID TO THE USER EACH TITLE IS FOLLOWED BY AN ABSTRACT. THIS BIBLIOGRAPHY HAS BEEN LIMITED TO LITERATURE DESCRIBING ONLY SOME OF THE COUNTRIES OF THE WORLD ALTHOUGH NATIONAL SECURITY INTERESTS OF THE U. S. AS A WORLD POWER ARE INVOLVED IN ALL THE AREAS OF THE GLOBE. AFRICA, AND LATIN AMERICA, FOR EXAMPLE, HAVE BEEN OMITTED BECAUSE OF SPACE AND TIME LIMITATIONS, AND IT IS ANTICIPATED THAT THESE AND OTHER AREAS WILL BE TREATED IN SUBSEQUENT STUDIES. BECAUSE THE SUBJECT OF GUIDED MISSILES, BOTH U. S. AND FOREIGN, HAS BEEN PRESENTED IN THE ARMY LIBRARY'S SPECIAL BIBLIOGRAPHY NO. 4, 20 APRIL 56, REFERENCES TO GUIDED MISSILES HAVE BEEN EXCLUDED FROM THIS STUDY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 249
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
NUCLEAR WEAPONS EFFECTS: COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: REPT. NO. 1 ON AID WORK ASSIGNMENT NO. 66.
MAY 64 22P
REPT. NO. AID-U-64-38
MONITOR: TT , 65-64460

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PRELIMINARY REPT. OF SOVIET OPEN SOURCES FOR THE PERIOD JAN 56-MAR 64. REPT. ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*NUCLEAR WEAPONS, EXPLOSION EFFECTS), (*EXPLOSION EFFECTS, REVIEWS), USSR, SHOCK WAVES, RADIATION DAMAGE, THERMAL RADIATION, HEAT TRANSFER, PLASMA MEDIUM, BIBLIOGRAPHIES (U)

CONTENTS: STRUCTURE AND PARAMETERS OF STRONG SHOCK WAVES IN GASES: PARAMETERS OF STRONG SHOCK WAVES IN SOLIDS: PROPAGATION OF STRONG SHOCK WAVES: INTERACTION OF STRONG SHOCK WAVES WITH MATERIALS: NUCLEAR EXPLOSION EFFECTS: THE METEORITE ANALOGY: RADIATIVE HEAT TRANSFER. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 481 15/3 22/2 1/3 14/2
RESEARCH AND TECHNOLOGY DIV AIR FORCE SYSTEMS COMMAND
WASHINGTON D C
BIBLIOGRAPHY OF TECHNICAL PRESENTATIONS AND
PUBLICATIONS, JULY 1964-JULY 1965. (U)
JUL 65 26P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*AIR FORCE SYSTEMS COMMAND, AIR FORCE RESEARCH), (*AIR FORCE RESEARCH, BIBLIOGRAPHIES), SYSTEMS ENGINEERING, MILITARY PUBLICATIONS, AEROSPACE CRAFT, MATERIALS, ELECTRONICS, FUELS, LUBRICANTS, COATINGS, PROPELLANTS, FLIGHT CONTROL SYSTEMS, PROPULSION, WEAPON SYSTEMS, AERONAUTICS, DOCUMENTATION (U)

A SELECTED BIBLIOGRAPHY IS GIVEN OF THE PUBLICATIONS OF THE AIR FORCE LABORATORIES AND THE SYSTEMS ENGINEERING GROUP OF THE RESEARCH AND TECHNOLOGY DIVISION. THEY ARE PRESENTED ALPHABETICALLY BY TECHNICAL DOMAIN, BEGINNING WITH ADVANCED VEHICLE CONCEPT AND ENDING WITH WEAPONS AND MUNITIONS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 118 15/5 5/1
ARMY NATICK LABS MASS
BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS FOR 1963. (U)
DESCRIPTIVE NOTE; TECHNICAL REPT.
MAY 64 32P
REPT. NO. NL-1.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE;

DESCRIPTORS; (*ARMY RESEARCH; BIBLIOGRAPHIES), ARMY EQUIPMENT; CLOTHING, GEOPHYSICS, FOOD, MECHANICAL ENGINEERING, MANAGEMENT PLANNING, ORGANIC MATERIALS, CONTAINERS (U)

THE RESEARCH IS DIVIDED ACCORDING TO THE FOLLOWING ORIGINATING GROUPS: OFFICE OF THE COMMANDING GENERAL, OFFICE OF SCIENTIFIC DIRECTOR, PLANS OFFICE, AIR DELIVERY EQUIPMENT DIVISION, CLOTHING AND ORGANIC MATERIALS DIVISION; CONTAINER DIVISION, EARTH SCIENCES DIVISION, FOOD DIVISION, MECHANICAL ENGINEERING DIVISION, PIONEERING RESEARCH DIVISION. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 132 15/5 5/1
ARMY NATICK LABS MASS
BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS FOR 1964. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.
MAY 65 47P
REPT. NO. NL-2.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ARMY RESEARCH, BIBLIOGRAPHIES), AIR DROP OPERATIONS, MANAGEMENT PLANNING, CLOTHING, ORGANIC MATERIALS, CONTAINERS, GEOPHYSICS, FOOD, MECHANICAL ENGINEERING (U)

THE RESEARCH IS DIVIDED ACCORDING TO THE FOLLOWING ORIGINATING GROUPS: OFFICE OF THE COMMANDING GENERAL, OFFICE OF SCIENTIFIC DIRECTOR, PLANS OFFICE, AIRDROP ENGINEERING DIVISION, CLOTHING AND ORGANIC MATERIALS DIVISION, CONTAINER DIVISION, EARTH SCIENCES DIVISION, FOOD DIVISION, MECHANICAL ENGINEERING DIVISION, PIONEERING RESEARCH DIVISION. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 774 15/7
SPECIAL OPERATIONS RESEARCH OFFICE WASHINGTON D C
COUNTERINSURGENCY INFORMATION ANALYSIS CENTER
BIBLIOGRAPHY ON COUNTERINSURGENCY, UNCONVENTIONAL
WARFARE, AND PSYCHOLOGICAL OPERATIONS: SUPPLEMENT
NO. 8, (U)
FEB 66 99P CURRIER,NANCY IGOSIER,DENNIS
IBERRY,HEIDI I
CONTRACT: DA-49-092-ARO-7,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COUNTERINSURGENCY,
BIBLIOGRAPHIES), (*BIBLIOGRAPHIES,
COUNTERINSURGENCY), (*UNCONVENTIONAL WARFARE,
BIBLIOGRAPHIES), (*PSYCHOLOGICAL WARFARE,
BIBLIOGRAPHIES) (U)

THIS IS A BIBLIOGRAPHY OF UNCLASSIFIED, ENGLISH-
LANGUAGE BOOKS AND ARTICLES ON COUNTERINSURGENCY,
UNCONVENTIONAL WARFARE, AND PSYCHOLOGICAL OPERATIONS.
WITHIN EACH OF THESE SUBJECTS THE ENTRIES ARE
CATEGORIZED AND CROSS-REFERENCED BY SPECIFIC PROBLEM
AND AREA, AND INDEXED BY AUTHOR AND TITLE.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-633 520 15/7
SPECIAL OPERATIONS RESEARCH OFFICE AMERICAN UNIV
WASHINGTON D C
ANNOTATED BIBLIOGRAPHY OF SORO PUBLICATIONS. (U)
FEB 66 30P
CONTRACT: DA-49-092-ARO-7.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*ARMED FORCES OPERATIONS, BIBLIOGRAPHIES), PSYCHOLOGICAL WARFARE, UNCONVENTIONAL WARFARE, POLITICAL SCIENCE, SOCIAL SCIENCES, GOVERNMENT(FOREIGN), DOCUMENTATION, TECHNICAL INFORMATION CENTERS (U)

AN ANNOTATED LISTING IS PRESENTED OF ALL SORO PUBLICATIONS THROUGH DECEMBER 1965, DIVIDED INTO THREE MAIN SECTIONS: SOCIAL SCIENCE RESEARCH, FOREIGN AREA STUDIES, AND RAPID RESPONSE INFORMATION AND ANALYSIS. THE BIBLIOGRAPHY IS INDEXED BY AUTHOR AND BY COUNTRY OR AREA. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-634 139 15/4 5/4 5/3 8/6
DEPARTMENT OF THE ARMY WASHINGTON D C
COMMUNIST CHINA: A STRATEGIC SURVEY. A
BIBLIOGRAPHY. (U)
FEB 66 149P
REPT. NO. DA-PAM-20-67.

UNCLASSIFIED REPORT
AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, GPO,
WASHINGTON, D. C. 20402, HC$2.25, AS D-101.22:20-
67.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CHINA, THREAT EVALUATION),
(*POLITICAL SCIENCE, CHINA), (*SOCIOLOGY,
CHINA), (*MILITARY STRATEGY, CHINA),
ABSTRACTS, COMMUNISM, FOREIGN POLICY,
GEOGRAPHY, BIBLIOGRAPHIES, MAPS (U)

THIS UNCLASSIFIED BIBLIOGRAPHY WAS PREPARED BY
DIRECTION OF THE CHIEF OF STAFF, UNITED
STATES ARMY. IT UPDATES DA PAM 20-61
PUBLISHED IN JANUARY 1962 UNDER THE TITLE,
COMMUNIST CHINA: RUTHLESS ENEMY OR PAPER TIGER.
LIKE ITS PREDECESSOR, THE CURRENT VOLUME PROBES INTO
THE ECONOMIC, SOCIOLOGICAL, MILITARY, AND POLITICAL
FABRIC OF COMMUNIST CHINA AND ILLUMINATES THIS
NEW EMERGING IMAGE. THE MORE THAN 650 ABSTRACTED
ITEMS INCLUDED IN THIS SURVEY WERE SELECTED FROM
SEVERAL THOUSAND BOOKS, MAGAZINE ARTICLES, STUDIES,
AND DOCUMENTS, AVAILABLE ON THE OPEN SHELVES OF THE
ARMY LIBRARY, THE ADJUTANT GENERAL'S
OFFICE. THESE HAVE BEEN SO ARRANGED INTERNALLY,
AS TO LEND THEMSELVES MORE EASILY USEFUL, BY THOSE
WHO ARE CHARGED WITH THE RESPONSIBILITY OF PLANNING
AND MAKING POLICY. THE APPENDED MAPS, CHARTS, AND
DATA HAVE BEEN INCLUDED IN SUPPORT OF THE INFORMATION
IN THE MAIN PART OF THE BIBLIOGRAPHY. THE
SELECTIVE PROCESS DID NOT INCLUDE THE SEPARATION OF
MATERIALS WHICH ARE OBVIOUSLY FRIENDLY TO COMMUNIST
CHINA, THE PREMISE BEING THAT IT WILL SERVE THE
NEEDS OF U. S. BETTER IF THE READER SEES THE
PICTURE FROM BOTH SIDES OF THE BAMBOO CURTAIN.
(U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-636 551 15/7 12/2
MILITARY ACADEMY WEST POINT N Y DEPT OF ELECTRICITY
A BIBLIOGRAPHY OF SEARCH THEORY AND RECONNAISSANCE
THEORY LITERATURE. (U)
JUN 66 27P ENSLOW JR, PHILIP H. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PUB. IN NAVAL RESEARCH LOGISTICS
QUARTERLY V13 N2, NAVSO-P-1278 P177-202 JUN 1966.

DESCRIPTORS: (*BIBLIOGRAPHIES, *SEARCH THEORY),
(*AERIAL RECONNAISSANCE, BIBLIOGRAPHIES), GAME
THEORY, OPERATIONS RESEARCH (U)

THIS BIBLIOGRAPHY CONSISTS OF 75 ITEMS ON SEARCH
THEORY AND RECONNAISSANCE THEORY FOUND IN PERIODICALS
AND TECHNICAL REPORTS. EACH ENTRY INCLUDES A SHORT
SUMMARY OR A QUOTATION FROM THE PERTINENT ABSTRACT.
THE ITEMS ARE CLASSIFIED INTO ONE OR MORE OF THE
FOLLOWING CATEGORIES: (1) GENERAL DISCUSSION OF
PROBLEMS; (2) ALLOCATION OF EFFORT; (3)
GAME THEORY FORMULATIONS; (4) GEOMETRIC
SEARCH PATTERNS; (5) MEASURES OF
PERFORMANCE AND (6) MISCELLANEOUS. (AUTHOR)
(U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 206 15/3
FEDERAL AVIATION AGENCY WASHINGTON D C
DEFENSE READINESS: SELECTED REFERENCES. (U)
MAR 64 42P
REPT. NO. BIBLIOGRAPHIC LIST-11,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, BIBLIOGRAPHIES), CIVIL DEFENSE PERSONNEL, TRAINING, FALLOUT SHELTERS, COMMUNICATION SYSTEMS, TRANSPORTATION, PUBLIC HEALTH, PSYCHOLOGY, MEDICINE, RADIOLOGICAL CONTAMINATION, RADIATION MONITORS, DECONTAMINATION, CIVIL AVIATION, SURVIVAL, AGRICULTURE, INDUSTRIES (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 321 15/7 5/4
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN SOCIAL SYSTEMS
BIBLIOGRAPHY ON COUNTERINSURGENCY, UNCONVENTIONAL WARFARE, AND PSYCHOLOGICAL OPERATIONS. SUPPLEMENT NO. 9. (U)
MAY 66 133P CURRIER,NANCY ;GOSIER,DENNIS ;BERRY,HEIDI ;
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), COMMUNISTS, MILITARY STRATEGY, POLITICAL SCIENCE, LOGISTICS, GOVERNMENT(FOREIGN), MILITARY INTELLIGENCE, POPULATION, CIVILIAN PERSONNEL, MILITARY PERSONNEL, GUERRILLA WARFARE, LAW, HISTORY, WARFARE, AFRICA, ASIA, EUROPE, LATIN AMERICA, MIDDLE EAST, NORTH AMERICA (U)

CONTENTS: FUNDAMENTAL ELEMENTS OF COUNTERINSURGENCY; HISTORICAL MODELS OF COUNTERINSURGENCY; FUNDAMENTAL ELEMENTS OF PSYCHOLOGICAL OPERATIONS; HISTORICAL MODELS OF PSYCHOLOGICAL OPERATIONS; FUNDAMENTAL ELEMENTS OF UNCONVENTIONAL WARFARE; HISTORICAL MODELS OF UNCONVENTIONAL WARFARE. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 362 15/7 5/4
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN SOCIAL SYSTEMS
CINFAC BIBLIOGRAPHIC REVIEW. SUPPLEMENT NO. 10, AUGUST, 1966, (U)
OCT 66 164P CURRIER,NANCY !GOSIER,DENNIS !BERRY,HEIDI !BITTICK,MARGARET !
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-642 321.

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), SOCIAL PSYCHOLOGY, POLITICAL SCIENCE, ECONOMICS, GUERRILLA WARFARE, MILITARY INTELLIGENCE, CIVILIAN PERSONNEL, MILITARY PERSONNEL, HISTORY, ASIA, EUROPE, LATIN AMERICA, MIDDLE EAST, WARFARE, MILITARY PSYCHOLOGY, LOGISTICS (U)

CONTENTS: COUNTERINSURGENCY; PSYCHOLOGICAL OPERATIONS; UNCONVENTIONAL WARFARE; SOCIO-ECONOMIC-POLITICAL BACKGROUND FACTORS; REVIEWS; BIBLIOGRAPHIC ESSAY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-647 887 15/7 5/4
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN SOCIAL SYSTEMS
CINFAC BIBLIOGRAPHIC REVIEW: SUPPLEMENT NO. 11, (U)
NOV 66 95P CURRIER,NANCY ;GOSIER,DENNIS M. ;BERRY,HEIDI ;MORSE,JANET ;
BITTICK,MARGARET ;
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-642 362.

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), SOCIOLOGY, POLITICAL SCIENCE, LEADERSHIP, GUERRILLA WARFARE, INSURGENCY, PROPAGANDA, HISTORY, REVIEWS, INDEXES (U)

A BIBLIOGRAPHY IS PRESENTED OF UNCLASSIFIED ENGLISH-LANGUAGE BOOKS AND ARTICLES ON COUNTERINSURGENCY, UNCONVENTIONAL WARFARE, PSYCHOLOGICAL OPERATIONS, AND SOCIO-ECONOMIC-POLITICAL BACKGROUND FACTORS. WITHIN EACH OF THESE SUBJECT AREAS THE ENTRIES ARE CATEGORIZED AND CROSS-REFERENCED BY SPECIFIC PROBLEM AND AREA AND INDEXED BY AUTHOR AND TITLE. IT ALSO INCLUDES BOOK REVIEWS AND A BIBLIOGRAPHIC ESSAY ON THESE SUBJECTS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-648 508 15/7
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN SOCIAL SYSTEMS
A SELECTED BIBLIOGRAPHY ON URBAN INSURGENCY AND URBAN UNREST IN LATIN AMERICA AND OTHER AREAS, (U)
DEC 66 49P FALLAH,SKAIDRITE MALIKS ;
REPT. NO. CRESS/CINFAC-R-0603
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

DESCRIPTORS: (*INSURGENCY, URBAN AREAS),
(*LATIN AMERICA, INSURGENCY),
BIBLIOGRAPHIES, POLITICAL SCIENCE, ECONOMICS (U)

SELECTED SOURCES ARE INCLUDED ON URBAN INSURGENCY AND URBA UNREST IN LATIN AMERICA AND OTHER AREAS. SOURCES INCLUDE MATERIAL ON CONDITIONS CONDUCIVE TO URBAN UNREST AND ON THE RELATIONSHIP BETWEEN RAPID URBANIZATION AND THE POTENTIAL FOR URBAN UNREST. SOURCES CITED CONSIST OF BIBLIOGRAPHIES, DOCUMENTS, BOOKS, MONOGRAPHS, AND ARTICLES. WHEREVER DATA WERE READILY AVAILABLE, THE SOURCES WERE ANNOTATED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-654 795 15/7 5/4
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN SOCIAL SYSTEMS
CINFAC BIBLIOGRAPHIC REVIEW SUPPLEMENT NO. 12. (U)
FEB 67 139P CURRIER,NANCY ;BERRY,HEIDI ;
MORSE,JANET ;
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-647 887.

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), SOCIOLOGY, POLITICAL SCIENCE, LEADERSHIP, GUERRILLA WARFARE, INSURGENCY, PROPAGANDA, HISTORY, REVIEWS, INDEXES (U)

A BIBLIOGRAPHY IS PRESENTED OF UNCLASSIFIED ENGLISH-LANGUAGE BOOKS AND ARTICLES ON COUNTERINSURGENCY, UNCONVENTIONAL WARFARE, PSYCHOLOGICAL OPERATIONS, AND SOCIOECONOMIC-POLITICAL BACKGROUND FACTORS. WITHIN EACH OF THESE SUBJECT AREAS THE ENTRIES ARE CATEGORIZED AND CROSS-REFERENCED BY SPECIFIC PROBLEM AND AREA AND INDEXED BY AUTHOR AND TITLE. IT ALSO INCLUDES BOOK REVIEWS AND A BIBLIOGRAPHIC ESSAY ON THESE SUBJECTS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-654 465 15/7 5/4
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN SOCIAL SYSTEMS
CINFAC BIBLIOGRAPHIC REVIEW: SUPPLEMENT NO. 13, (U)
MAY 67 110P CURRIER,NANCY (BERRY,HEIDI ;
MORSE,JANET (BITTICK,MARGARET ;
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-654 795.

DESCRIPTORS: (*COUNTERINSURGENCY, BIBLIOGRAPHIES), (*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES), (*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES), SOCIOLOGY, POLITICAL SCIENCE, LEADERSHIP, GUERRILLA WARFARE, INSURGENCY, PROPAGANDA, HISTORY, REVIEWS, INDEXES (U)

THE REPORT CONSISTS OF A BIBLIOGRAPHY OF UNCLASSIFIED ENGLISH-LANGUAGE BOOKS AND ARTICLES ON COUNTERINSURGENCY; UNCONVENTIONAL WARFARE; PSYCHOLOGICAL OPERATIONS; AND SOCIAL, ECONOMIC, AND POLITICAL BACKGROUND FACTORS. WITHIN EACH OF THESE SUBJECT AREAS THE ENTRIES ARE CATEGORIZED AND CROSS-REFERENCED BY SPECIFIC PROBLEM AND AREA AND INDEXED BY AUTHOR AND TITLE. THE BIBLIOGRAPHY ALSO INCLUDES BOOK REVIEWS AND A BIBLIOGRAPHIC ESSAY ON THESE SUBJECTS. (AUTHOR) (U)

MISSILE TECHNOLOGY

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 588
ARMY MISSILE COMMAND REDSTONE ARSENAL ALA
LIST OF TECHNICAL DOISHED DURING THE YEARS 1958
THROUGH 1962. (U)
APR 63 178P

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, GUIDED MIS
SILES), (*GUIDED MISSILES, BIBLIOGRAPHIES),
GUIDED MISSILES (SURFACE TO SURFACE), ROCKET
MOTORS, ANTITANK AMMUNITION, ROCKET MOTORS
(LIQUID PROPELLANT), ROCKET MOTORS (SOLID
PROPELLANT), LAUNCH VEHICLES (AEROSPACE),
GUIDED MISSILE WARHEADS, INDEXES. (U)
IDENTIFIERS: 1963, JUPITER, ATLAS, REDSTONE,
PERSHING, SATURN, SERGEANT. (U)

A BIBLIOGRAPHY OF TECHNICAL DOCUMENTS LISTS TITLES
OF REPORTS PUBLISHED FROM 1958 THROUGH 1962 BY THE
PRESENT ARMY MISSILE COMMAND (AMICOM), WHICH
INCLUDES THE ACTIVITIES OF THE ARMY ROCKET AND
GUIDED MISSILE AGENCY (ARGMA) AND THE ARMY
BALLISTIC MISSILE AGENCY (ABMA). THE
BIBLIOGRAPHY WAS COMPILED FROM LIBRARY RECORDS AND
RESPONSES TO REQUESTS FOR DOCUMENT LISTINGS FROM THE
RE SEARCH AND DEVELOPMENT ORGANIZATIONS OF THE
COMMAND, AND MAKES NO PRETENSE OF BEING A COMPLETE
COVERAGE. DUE TO PROPRIETARY INFORMA TION
RESTRICTIONS, THE FORMATION AND LATER CONSOLIDATION
OF ABMA AND ARGMA, AND THE FORMA TION OF NASA'S
MARSHALL SPACE FLIGHT CENTER, MANY REPORTS
WERE NEVER ENTERED OR RECORDED IN THE LIBRARY. FOR
EXAMPLE, IT IS KNOWN THERE WERE APPROXIMATELY 35
REPORTS IN THE 4RF SERIES WHICH WERE EVALUATIONS OF
MAJOR INDUSTRIAL TECHNICAL PROPOSALS WHICH DO NOT
APPEAR IN THIS PUBLISHED LISTING. UNDOUBTEDLY,
MANY REPORTS WRITTEN BY PERSONS WHO HAVE LEFT THE
COMMAND WERE LIKEWISE NOT ENTERED IN THE LIBRARY
AND WERE NOT INCLUDED IN THE SOLICITED SUBMISSIONS.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-426 021
DEPARTMENT OF THE ARMY WASHINGTON D C
MISSILES AND VENTURES INTO SPACE PROGRESS REPORT
1962-1963. (U)
DESCRIPTIVE NOTE: REPT. MAY 62-MAY 63.
OCT 63 123P
MONITOR: DA PAM70 5 11

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ALSO AVAILABLE FORM GOVERNMENT PRINTING OFFICE, WASHINGTON, D. C., PRICE $.70.

DESCRIPTORS: (*GUIDED MISSILES, BIBLIOGRAPHIES), (*SPACECRAFT, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, ASTRONAUTICS), ROCKETS, SATELLITES (ARTIFICIAL), SPACE PROBES, POLITICAL SCIENSE, ROCKET PROPULSION, SPACE ENVIRONMENT CONDITIONS, EXPLORATION, WARFARE, SPACE PROPULSION, ARMED FORCES (FOREIGN), SPACE STATIONS, GUIDED MISSILES (SURFACE-TO-SURFACE), SPACE FLIGHT (U)
IDENTIFIERS: 1963, USSR, CUBA (U)

CONTENTS: TRENDS IN THE NATIONAL EFFORT, MISSILE/ SPACE PROJECTS AND PROGRAMS: NASA: ACTIVITIES AND PROGRAMS, ARMED FORCES: MISSILE SITES, BASES, RANGES, AND FACILITIES: OTHER FREE NATIONS-MISSILE AND SPACE EFFORTS: USSR: TRENDS AND DEVELOPMENTS IN MISSILES, ROCKETS, AND SPACE VEHICLES: SPACE EXPLORATION: NEW VISTAS: SPACE AS A BATTLEFIELD: ARMS CONTROL AND DISARMAMENT ASPECTS: CONGRESSIONAL HEARINGS AND DOCUMENTS: SOURCE MATERIALS AND REFERENCE WORKS: THE POLITICO-MILITARY ASPECTS OF SOVIET MISSILES IN THE CUBAN CRISIS, RUSSIA'S MISSILES, SPACE BOOSTERS, SPACE VEHICLES, SATELLITES CARRYING EQUIPMENT FOR METEOROLOGICAL OBSERVATIONS: SPACE RACE TIMETABLE FOR THE COSMIC SIXTIES: THE INTERNATIONAL SPACE RACE: UNITED STATES SPACE AND MISSILE PROGRAMS: FUNCTIONAL ORGANIZATION OF THE FEDERAL GOVERNMENT-CHART. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-450 187
HERCULES POWDER CO MAGNA UTAH
BIBLIOGRAPHY REPORT, WEAPON SYSTEM 133A. (U)
DESCRIPTIVE NOTE: FINAL REPT.
OCT 64 1V
REPT. NO. MCS2 9B
CONTRACT: AF04 647 243

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPERSEDES REPORTS DATED JAN 61, AD 269 2281 AND 16 SEP 63, AD 424 942.

DESCRIPTORS: (*GUIDED MISSILES (SURFACE-TOSURFACE), BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, GUIDED MISSILES (SURFACT-TO-SURFACE)), ROCKET MOTORS (SOLID PROPELLANT), ROCKET PROPELLAT GRAINS, DESIGN, MANUFACTURING METHODS, MANAGEMENT ENGINEERING, SYSTEMS ENGINEERING, ROCKET MOTOR NOZZLES, ROCKET CASES, QUALITY CONTROL, TESTS, TRANSPORTATION, HANDLING, SPECIFICATIONS (U)

THIS BIBLIOGRAPHY IS DIVIDED INTO FIVE PARTS: PART 1, MINUTEMAN TECHNICAL OPERATING REPORTS; PART 2, MINUTEMAN TECHNICAL INFORMATION REPORTS; PART 3, MINUTEMAN CONTRACT STATUS REPORTS; PART 4, MINUTEMAN TECHNICAL DOCUMENTARY REPORTS; AND PART 5, MODEL AND GENERAL SPECIFICATIONS. EACH PART IS DIVIDED INTO SECTIONS BY KINDS OF REPORTS. (AUTHOR) (U)

NAVIGATION, COMMUNICATIONS, DETECTION,

AND COUNTERMEASURES

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-412 427
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
UNDERGROUND COMMUNICATIONS. ANNOTATED BIBLIOG RAPHY OF SOVIET-BLOC LITERATURE FOR THE PERIOD 1960-1962. (U)
JUL 63 19P
REPT. NO. B-63-99

UNCLASSIFIED REPORT

DESCRIPTORS: (•BIBLIOGRAPHIES, GEOPHYSICS), (•GEOPHYSICS, GEOPHYSICAL PROSPECTING), ELECTROMAGNETIC FIELDS, TERRAIN, THEORY, TERRESTRIAL MAGNETISM, RESISTANCE (ELECTRICAL), ELECTRIC CURRENT. (U)
IDENTIFIERS: 1963, USSR, TELLURIC CURRENT METHOD. (U)

THIS ANNOTATED BIBLIOGRAPHY HAS BEEN PREPARED IN RESPONSE TO AID WORK ASSIGNMENT NO. 37, TASK 4. THE BIBLIOGRAPHY COVERS THE PERIOD FROM JANUARY 1960 TO DECEMBER 1962. THE MATERIALS ARE DIVIDED INTO THREE GROUPS, EACH CONTAINING INFORMATION PUBLISHED DURING ONE PARTICULAR YEAR. WITHIN EACH GROUP THE MATERIALS ARE PRESENTED ALPHABETICALLY ACCORDING TO THE AUTHOR'S NAME. INFORMATION NOT DIRECTLY RELATED TO THE ASSIGNED SUBJECT HAS BEEN INCLUDED BECAUSE OF ITS BROAD IMPLICATIONS FOR STUDY IN THIS FIELD. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-424 026
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
TRACKING OF MISSILES AND SPACE VEHICLES. COMPILATION OF ABSTRACTS. (U)
NOV 63 23P
MONITOR: AID P63 118

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*TRACKING, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, TRACKING), (*RADIO ASTRONOMY, BIBLIOGRAPHIES), RADAR TRACKING, IONOSPHERIC PROPAGATION, IONOSPHERIC DISTURBANCES, MOON, RADIO FIELDS, RADIO TRANSMISSION, RADIO WAVES, EXTRATERRESTRIAL RADIO WAVES, ELECTRON DENSITY, SATELLITES (ARTIFICIAL), RADAR REFLECTIONS, DOPPLER EFFECT, GAS IONIZATION, VENUS, MERCURY (PLANET), JUPITER (U)
IDENTIFIERS: 1963, USSR, JUPITER (U)

THIS TWENTIETH REPORT IN A SERIES REVIEWING SOVIET DEVELOPMENTS IN TRACKING MISSILES AND SPACE VEHICLES IS BASED ON SOURCE MATERIALS RECEIVED AT THE AEROSPACE INFORMATION DIVISION FROM JANUARY 1963 THROUGH MAY 1963. INFORMATION NOT DIRECTLY RELATED TO THE ASSIGNED SUBJECT HAS BEEN INCLUDED BECAUSE OF ITS BROAD IMPLICATIONS FOR STUDY IN THIS FIELD. TOPICS COVERED IN THIS REPORT ARE (1) ION CLOUDS AND IONOSPHERE PERTURBATIONS AND (2) RADIO ASTRONOMY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 301
GENERAL MOTORS CORP MILWAUKEE WIS AC SPARK PLUG DIV
INERTIAL GUIDANCE SYSTEM PROGRAM 624A - TITAN
III. (U)
SP
REPT. NO. 63 212 109
CONTRACT: AF04 695 282

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, INERTIAL (GUIDANCE)),
(*INERTIAL GUIDANCE, BIBLIOGRAPHIES), CONFIGURATION,
MAINTAINABILITY, RELIABILITY, LAUNCH VEHICLES
(AEROSPACE), ERRORS, WEIGHT, LOGISTICS,
INSTRUMENTATION, BOOSTER MOTORS (U)
IDENTIFIERS: 1963, TITAN III (U)

INERTIAL GUIDANCE SYSTEM PROGRAM 624A-TITAN III:
BIBLIOGRAPHY REPORT.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-430 520
ARACON GEOPHYSICS CO CONCORD MASS
WEATHER RADAR RESEARCH AND STORM DYNAMICS. (U)
DESCRIPTIVE NOTE: FINAL REPT.,
DEC 63 45P WEXLER,RAYMOND I
REPT. NO. F9186 3
CONTRACT: AF19 628 292
PROJ: 6672
TASK: 667203
MONITOR: AFCRL 64 202

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*METEOROLOGICAL RADAR, STORMS),
(*WEATHER FORECASTING, METEOROLOGICAL RADAR),
(*STORMS, BIBLIOGRAPHIES), TORNADOES, CYCLONES,
METEOROLOGY, ATMOSPHERIC PRECIPITATION, RAINFALL,
WIND, TROPICAL CYCLONES, HAIL (U)
IDENTIFIERS: 1963, HURRICAN ESTHER (U)

THE FOLLOWING TOPICS ARE DISCUSSED: RADAR ANALYSIS OF HURRICANE ESTHER 1961, CROSSING ANGLES IN HURRICANE BANDS, AND ORIGIN OF A TORNADO'S ROTATION. A COMPLETE LIST OF OTHER REPORTS WITH ABSTRACTS, PUBLISHED IN CONNECTION WITH THIS RESEARCH, IS INCLUDED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 105
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
VLF COMMUNICATIONS. ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.
AUG 64 3P
REPT. NO. ATD-U-64-94
TASK: 27

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, VERY LOW FREQUENCY), (*VERY LOW FREQUENCY, BIBLIOGRAPHIES), USSR, IONOSPHERIC PROPAGATION, ATTENUATION, REFRACTION, ELECTROMAGNETIC WAVES (U)

VLF COMMUNICATION - ANNOTATED BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 686
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
SOLAR NAVIGATION. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,
SEP 59 9P CARROLL,K. D. ;
REPT. NO. SB-59-47

UNCLASSIFIED REPORT
DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES EXHAUSTED.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SPACE NAVIGATION, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SPACE NAVIGATION), CELESTIAL NAVIGATION, CELESTIAL GUIDANCE, MIDCOURSE GUIDANCE, SPACECRAFT (U)
IDENTIFIERS: SOLAR NAVIGATION (U)

SOLAR NAVIGATION. BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-470 441
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
TRACKING OF MISSILES AND SPACE VEHICLES. COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE, NOV 64-MAR 65.
SEP 65 46P
REPT. NO. ATD-P-65-51 ,24

UNCLASSIFIED REPORT

DESCRIPTORS: (*TRACKING, GUIDED MISSILES), (*BIBLIOGRAPHIES, TRACKING), (*SPACECRAFT, TRACKING), IONIZATION, IONOSPHERIC DISTURBANCES, USSR, ELECTRON DENSITY, DIFFUSION, ELECTRIC FIELDS, PLASMA MEDIUM, METEORS, RADIO SIGNALS, SATELLITES(ARTIFICIAL), MAGNETIC FIELDS, SHOCK WAVES, SOLAR RADIATION, COSMIC RAYS, STRATOSPHERE, MICROWAVES, INSTRUMENTATION, RADIO ASTRONOMY, ANTENNAS, CAMERAS, SPACE PROBES, CHARGED PARTICLES, BEAMS(ELECTROMAGNETIC), MASERS, LASERS, RUBY (U)

CONTENTS: ION CLOUDS AND IONSPHERIC PERTURBATIONS; RADIO ASTRONOMY -- RADIO EMISSION AND ANTENNAS; LASERS AND MASERS; BIBLIOGRAPHY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 421
NATIONAL CASH REGISTER CO DAYTON OHIO
SIMULATION AND EVALUATION OF PHONETIC SPEECH
RECOGNITION TECHNIQUES. VOL. IV. AN INDEXED
BIBLIOGRAPHY ON SPEECH ANALYSIS, SYNTHESIS, AND
PROCESSING. (U)
DESCRIPTIVE NOTE: FINAL REPT.
APR 64 105P OTTEN,KLAUS W. !
REPT. NO. 11 1F21V
CONTRACT: AF33 657 9205 ,PROJ.
PROJ: TASK
MONITOR: RTD TDR63 4005 V4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SPEECH RECOGNITION, SIMULATION),
(*BIBLIOGRAPHIES, SPEECH), SPEECH REPRESENTATION,
COMMUNICATION THEORY, ANALYSIS, SYNTHESIS, INDEXES (U)

THE REPORT, AN INDEXED BIBLIOGRAPHY ON SPEECH
ANALYSIS, SYNTHESIS, AND PROCESSING, WAS PREPARED IN
CONNECTION WITH A LITERATURE SEARCH REQUIRED FOR AN
APPLIED RESEARCH PROGRAM ON AUTOMATIC SPEECH
RECOGNITION. THE BIBLIOGRAPHY LISTS PUBLICATIONS
CONCERNED WITH SPEECH ANALYSIS, SYNTHESIS, AND
PROCESSING WHICH APPEARED PRIOR TO JANUARY 1964.
THE BIBLIOGRAPHY, THOUGH PERHAPS NOT ABSOLUTELY
COMPLETE, LISTS MORE THAN 1000 PUBLICATIONS.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 936
CENTRAL RADIO PROPAGATION LAB NATIONAL BUREAU OF STANDARDS
BOULDER COLO
BIBLIOGRAPHY ON TROPOSPHERIC PROPAGATION OF RADIO
WAVES, (U)
APR 65 346P NUPEN,WILHELM I
REPT. NO. TN-304

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH
AMERICAN METEOROLOGICAL SOCIETY, WASHINGTON, D. C.

DESCRIPTORS: (*BIBLIOGRAPHIES, RADIO WAVES),
(*RADIO WAVES, PROPAGATION), (*TROPOSPHERE,
PROPAGATION), RADIOFREQUENCY, ELECTROMAGNETIC
WAVES (U)

THIS BIBLIOGRAPHY CONTAINS OVER A THOUSAND
ABSTRACTS OR TITLES TAKEN FROM THE LITERATURE
PUBLISHED BETWEEN 1945 AND 1964, INCL., BUT THE BULK
OF THE LITERATURE COMES AFTER 1955. THE SUBJECT
MATTER IS CONFINED TO THE EFFECTS OF THE EARTH'S
ATMOSPHERE ON RADIOFREQUENCY RADIATION FROM 10 CPS TO
100,000 MC. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 405 17/10 8/11 18/3
GEOTECH DIV TELEDYNE INDUSTRIES INC GARLAND TEX
BIBLIOGRAPHY OF ARRAY LITERATURE. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.
NOV 65 52P
REPT. NO. TR-65-114
CONTRACT: AF33(657)-12145
PROJ: AFTAC-VT/4051

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPORTED IN PART BY ARPA.

DESCRIPTORS: (*SEISMOMETERS, SITE SELECTION), (*NUCLEAR EXPLOSIONS, UNDERGROUND EXPLOSIONS), (*UNDERGROUND EXPLOSIONS, SEISMOLOGY), (*SEISMOLOGY, BIBLIOGRAPHIES), SEISMIC WAVES, MONITORS, ACOUSTICS, RADIO EQUIPMENT, ANTENNA ARRAYS, SONAR EQUIPMENT, DATA PROCESSING SYSTEMS, EXPERIMENTAL DATA, ABSTRACTS (U)
IDENTIFIERS: VELA-UNIFORM (U)

A BIBLIOGRAPHY OF AVAILABLE LITERATURE ON ARRAY TECHNOLOGY HAS BEEN COMPILED, EMBRACING THE DISCIPLINES OF SEISMOLOGY, ACOUSTICS, AND RADIO. OVER ONE HUNDRED ARTICLES FROM VARIOUS SCIENTIFIC JOURNALS ARE LISTED. MOST OF THE ARTICLES ARE ABSTRACTED AND ARE GROUPED ACCORDING TO A MAJOR CATEGORY, FIELD OF APPLICATION, AND A SUBCATEGORY, CHARACTER OF CONTENT. THE MAJORITY OF THE ARTICLES WERE PUBLISHED DURING THE PERIOD 1955-1956. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 763 17/2 5/7 9/4
MICHIGAN UNIV ANN ARBOR
RESEARCH ON SPEECH COMMUNICATION AND AUTOMATIC SPEECH RECOGNITION. (U)
DESCRIPTIVE NOTE: FINAL REPT. 15 JAN-31 JUL 66,
AUG 66 22P PETERSON,GORDON E. ;
SHOUP,JUNE E. ;
CONTRACT: AF-AFOSR-595-66
PROJ: AF-9769
TASK: 976902
MONITOR: AFOSR 66-2692

UNCLASSIFIED REPORT

DESCRIPTORS: (*SPEECH RECOGNITION, AUTOMATIC), SPEECH, COMMUNICATION SYSTEMS, LANGUAGE, LINGUISTICS, PHONETICS, GRAMMARS, SYNTAX, INFORMATION THEORY, ACOUSTICS, ENGLISH LANGUAGE, BIBLIOGRAPHIES (U)

THE REPORT REVIEWS FOUR MAJOR AREAS OF RESEARCH. THE FIRST AREA IS CONCERNED WITH THE THEORY OF PHONOLOGY WHICH HAS INCLUDED THE DEVELOPMENT OF PHYSIOLOGICAL AND ACOUSTIC PHONETIC THEORIES, AND WORK ON A FORMAL THEORY OF PHONEMICS. THE SECOND AREA IS CONCERNED WITH THE LINGUISTIC INTERPRETATION OF THE SPEECH WAVE. IT IS SUGGESTED THAT IT IS MORE REALISTIC TO ATTEMPT TO INTERPRET THE SPEECH WAVE TYPES AND THE ACOUSTICAL PARAMETERS OF SPEECH ACCORDING TO SETS OF PHONE TYPES RATHER THAN DIRECTLY AS PHONEMES. THE THIRD AREA OF INVESTIGATION IS CONCERNED WITH THE PHONOLOGICAL DESCRIPTION OF LANGUAGES, PARTICULARLY MIDWESTERN AMERICAN ENGLISH. SUCH A DESCRIPTION INCLUDES A STATEMENT OF THE PHONEMES AND THEIR ASSOCIATED ALLOPHONES, A STATEMENT OF THE PHONE TYPE ENVIRONMENTS OF THE VARIOUS ALLOPHONES, AND A STATEMENT OF THE ALLOWABLE PHONEME SEQUENCES. THE FORTH AREA OF INVESTIGATION CONCERNS LEXICAL PROCEDURES IN AUTOMATIC SPEECH RECOGNITION. THE REPORT INCLUDES SUMMARIES OF RECENT PUBLICATIONS UNDER THE GRANT AND A BIBLIOGRAPHY OF ARTICLES AND REPORTS WHICH HAVE BEEN PUBLISHED BY THE COMMUNICATION SCIENCES LABORATORY UNDER THE SPONSORSHIP OF THE DIRECTORATE OF INFORMATION SCIENCES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-644 417 17/7 1/2
LOCKHEED-GEORGIA CO MARIETTA
PLAN FOR THE DEVELOPMENT OF ALL WEATHER LANDING SYSTEM RELIABILITY ANALYSIS AND CRITERIA, PHASE I. (U)
JAN 66 117P ADKINS,L. A. ISCHILLER,L. D. I THATRO,M. C. I
REPT. NO. ER-8316
CONTRACT: FA-1376
PROJ: FAA-320-207-01N
MONITOR: FAA-RD 66-2

UNCLASSIFIED REPORT

DESCRIPTORS: (*AIR TRAFFIC CONTROL SYSTEMS, RELIABILITY), LANDINGS, SYSTEMS ENGINEERING, AVIATION SAFETY, INSTRUMENT LANDINGS, HUMAN ENGINEERING, BIBLIOGRAPHIES (U)

THE REPORT OUTLINES THE BASIC PLAN AND APPROACH WHICH WILL BE USED FOR GENERATION OF AN AWLS ASSESSMENT CRITERIA AND EVALUATION METHODOLOGY. THE CRITERIA AND METHODOLOGY TO BE FORMULATED WILL BE FOR APPLICATION ON THE CATEGORY III AWLS GROUND-BASED SYSTEM, WHICH WILL BE PHASE II OF THE STUDY PROGRAM, AND FOR THE AIRBORNE PORTIONS OF THE SYSTEM, WHICH WILL BE TREATED IN PHASE III OF THE PROGRAM. OF PARTICULAR SIGNIFICANCE IS THE CONSIDERATION OF SAFETY, RELIABILITY, AND TOTAL PERFORMANCE EVALUATION. THE PHASE I REPORT PRESENTS A COMPLETE BIBLIOGRAPHY ON AWLS TECHNOLOGY. IN ADDITION, TREATMENT IS PRESENTED ON THE APPLICATIONS OF RELIABILITY, HUMAN FACTORS, SAFETY, QUANTIFICATION, AND TOTAL PERFORMANCE FOR THE EVALUATION OF ALL WEATHER LANDING SYSTEMS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-645 074 17/2 5/10
ARMY MEDICAL RESEARCH LAB FORT KNOX KY
SPEAKER RECOGNITION, SPEECH CHARACTERISTICS, SPEECH EVALUATION, AND MODIFICATION OF SPEECH SIGNAL. A SELECTED BIBLIOGRAPHY, (U)
OCT 65 15P HOLMGREN,GARY L. I
PROJ: DA-3A014501A74D
MONITOR: USAMRL 692

UNCLASSIFIED REPORT
AVAILABILITY: PUBLISHED IN IEEE TRANSACTIONS ON AUDIO AND ELECTROACOUSTICS VAU-14 N1 P32-39 MAR 1966.

DESCRIPTORS: (*SPEECH RECOGNITION, BIBLIOGRAPHIES), (*VOICE COMMUNICATION SYSTEMS, SPEECH RECOGNITION), SPEECH TRANSMISSION, ANALYSIS, INTELLIGIBILITY, SPEECH, PSYCHOACOUSTICS, PSYCHOPHYSIOLOGY, MASKING, PHONETICS, LINGUISTICS, SYNTHESIS, VOCODERS (U)

THE PAPER REPRESENTS AN EFFORT TO UPDATE AND EXPAND AN EARLIER PAPER, 'SPEECH ANALYSIS, SYNTHESIS, AND PROCESSING--A SELECTED BIBLIOGRAPHY,' PREPARED AND PUBLISHED BY THIS AUTHOR AT TEXAS INSTRUMENTS, INC., DALLAS, TEXAS, 1963. SELECTIONS INCLUDED IN THIS PAPER PROVIDE THE RESEARCHER WITH A FAIRLY EXTENSIVE AND REPRESENTATIVE PRESENTATION OF RELEVANT SOURCE MATERIAL IN THE AREAS TO WHICH THE TITLE REFERS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-647 888 17/9 17/8 16/2 22/3
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
TRACKING OF MISSILES AND SPACE VEHICLES. (U)
DESCRIPTIVE NOTE: REPT. NO. 12 ON WORK ASSIGNMENT NO. 12.
DEC 66 90P HIBBEN,STUART I
REPT. NO. ATD-66-140
MONITOR: TT 67-61152

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILATION OF ABSTRACTS BASED ON SOVIET, SATELLITE, AND CHICOM OPEN SOURCES PUB. 1965-66. REPT. ON SURVEYS OF FOREIGN SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*GUIDED MISSILE TRACKING SYSTEMS, REVIEWS), (*SPACE SURVEILLANCE SYSTEMS, REVIEWS), SATELLITE TRACKING SYSTEMS, RADIO ASTRONOMY, SPACE COMMUNICATION SYSTEMS, LASERS, COMPUTERS, ANTENNAS, SPACE NAVIGATION, ABSTRACTS, BIBLIOGRAPHIES, USSR, EASTERN EUROPE, CHINA (U)

THE 81 ABSTRACTS ARE ARRANGED ALPHABETICALLY BY AUTHOR WITHIN THE FOLLOWING CATEGORIES: (1) TRACKING FACILITIES AND INSTITUTIONS (3 ENTRIES); (2) TRACKING EQUIPMENT AND TECHNIQUES (14 ENTRIES); (3) PRECISION BASELINE ESTABLISHMENT (3 ENTRIES); (4) SLANT RANGE AND RANGE RATE MEASUREMENT (1 ENTRY); (5) ANGLE AND ANGULAR RATE MEASUREMENT (4 ENTRIES); (6) ABSOLUTE TIME MEASUREMENT (2 ENTRIES); (7) FREQUENCY MEASUREMENT AND STANDARDS (7 ENTRIES); (8) RELATIVE TIME OR DELAY TIME MEASUREMENT (6 ENTRIES); (9) VELOCITY OF LIGHT DETERMINATION (2 ENTRIES); (10) RADIO ASTRONOMY (15 ENTRIES); (11) TECHNOLOGICAL ADVANCES (24 ENTRIES). A BIBLIOGRAPHY COMPRISING 81 ENTRIES IS PRESENTED AT THE END OF THE REPORT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-651 308 17/2 9/4 5/2
REDSTONE SCIENTIFIC INFORMATION CENTER REDSTONE ARSENAL ALA
STUDIES OF RANDOM NOISE: AN ANNOTATED BIBLIOGRAPHY, (U)
DEC 66 51P ECKSTEIN,HERBERT P. I
REPT. NO. RSIC-619

UNCLASSIFIED REPORT

DESCRIPTORS: (*NOISE, *BIBLIOGRAPHIES), INFORMATION THEORY, COMMUNICATION EQUIPMENT, NOISE(RADIO), SIGNALS, LIMITERS, RADIOFREQUENCY INTERFERENCE, CORRELATORS, STATISTICAL ANALYSIS, INDEXES (U)

THE BIBLIOGRAPHY CONTAINS A SELECTION OF PAPERS, MOST OF THEM ANNOTATED, ON NOISE AND THE EFFECTS OF NOISE ON SIGNALS. CONSEQUENTLY, SEVERAL SURVEYS OF INFORMATION THEORY AND PAPERS DEALING WITH INTERDEPENDENT ASPECTS ARE INCLUDED. SOURCES OF THE CONTEMPLATED NOISE WERE EITHER ENVIRONMENTAL OR INHERENT IN THE EQUIPMENT, WHICH INCLUDES EFFECTS OF BOTH THE ATMOSPHERE AND OTHER TRANSMITTERS. ACCORDINGLY, SEVERAL STUDIES INCLUDE NON-GAUSSIAN AS WELL AS GAUSSIAN NOISE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-800 110 17/3
SOUTHWEST RESEARCH INST SAN ANTONIO TEX
ABSTRACTS OF THE AVAILABLE LITERATURE ON RADIO
DIRECTION FINDING 1899-1965, (U)
JUL 66 487P TRAVERS,DOUGLAS N. ;
MIXON,STUART M. ;
CONTRACT: NOBSR-64585, NOBSR-85086
TASK: 21

UNCLASSIFIED REPORT

DESCRIPTORS: (*DIRECTION FINDING, *ABSTRACTS),
(*RADIO EQUIPMENT, DIRECTION FINDING),
(*BIBLIOGRAPHIES, DIRECTION FINDING), INDEXES (U)

ABSTRACTS OF ALL AVAILABLE DOCUMENTS AND LITERATURE, OTHER THAN PATENTS, ON RADIO DIRECTION FINDING AND CLOSELY RELATED SUBJECTS HAVE BEEN COLLECTED OVER A TEN-YEAR PERIOD BY THE RADIO DIRECTION FINDING RESEARCH STAFF OF SOUTHWEST RESEARCH INSTITUTE. THE COLLECTION IS PRESENTED IN CHRONOLOGICAL ORDER AND INCLUDES MATERIAL FROM FORMAL JOURNALS, TECHNICAL REPORTS, MAGAZINES, BOOKS, TRADE PUBLICATIONS, AND OTHER SOURCES. NO DIRECTION FINDING MATERIAL HAS BEEN PURPOSELY OMITTED EXCEPT WHERE IT HAS NOT BEEN POSSIBLE TO OBTAIN DECLASSIFICATION OF TITLES. A DETAILED SUBJECT INDEX, AN AUTHOR INDEX, AND A LIST OF SOURCES ARE PROVIDED. SEVERAL WELL-KNOWN EXISTING BIBLIOGRAPHIES AND ABSTRACT COLLECTIONS WERE USED AS AN INITIAL BASIS, ALTHOUGH NO INTERVAL BETWEEN 1899 AND DECEMBER 1965 WAS EXCLUSED FROM SEARCH BECAUSE OF PREVIOUS SEARCHES AND PUBLICATIONS. SUCH RESEARCHING WAS NECESSARY BECAUSE OF THE TREND IN RECENT YEARS FOR RADIO DIRECTION FINDING DEVELOPMENTS TO DEPEND INCREASINLY ON INFORMATION IN FIELDS WHICH AT AN EARLY DATE SEEMED UNRELATED TO THE SUBJECT. THE POSSIBILITY OF OMISSIONS FOR THE MOST RECENT YEARS IS RECOGNIZED, PARTICULARLY SINCE 1960. READERS ARE INVITED TO CALL OMISSIONS TO THE ATTENTION OF THE AUTHORS FOR PUBLICATION OF A REVISED COLLECTION AT A LATER TIME. (AUTHOR) (U)

NUCLEAR SCIENCE AND TECHNOLOGY

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-405 134
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST. ABSTRACTS, PART I. (U)
APR 63 42P
MONITOR: REIC AL 62

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: *RADIATION EFFECTS, MATERIALS, BIBLIOGRAPHIES, ABSTRACTS (U)

ABSTRACTS OF PAPERS ON RADIATION EFFECTS INDEXED BY THE RADIATION EFFECTS INFORMATION CENTER DURING MARCH 1963, PART I.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 070
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS
INFORMATION CENTER
MONTHLY ACCESSION LIST. ABSTRACTS. PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-30 APR 63.
MAY 63 56P
REPT. NO. AL63
CONTRACT: AF33 657 10085
PROJ: PROJS. 7381 ,7634

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES), (*MATERIALS),
(*CERAMIC MATERIALS), ORGANIC MATERIALS,
PROPELLANTS, SPACE ENVIRONMENTAL CONDITIONS,
METALS, ELECTRONIC EQUIPMENT, TEXTILES,
RADIATION DAMAGE (U)

ABSTRACT BIBLIOGRAPHY OF RADIATION DAMAGE ON MATERIALS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-411 944
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST 65. ABSTRACTS. PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-30 JUNE 63.
JUL 63 30P
REPT. NO. ACCESSION LIST 65
CONTRACT: AF33 657 10085
PROJ: 7381 ,7634
TASK: 738103

UNCLASSIFIED REPORT

DESCRIPTORS: (*RADIATION EFFECTS, ABSTRACTS), RADIATION DAMAGE, BIBLIOGRAPHIES, METALS, SPACE ENVIRONMENTAL CONDITIONS,CERAMIC MATERIALS, POLYMERS, TEST EQUIPMENT, TEST METHODS, TEST FACILITIES, ORGANIC MATERIALS, MATERIALS, ELECTRONIC EQUIPMENT, INDEXES. (U)
IDENTIFIERS: 1963. (U)

MONTHLY ACCESSIONS LIST INCLUDING ABSTRACTS OF THE RADIATION EFFECTS INFORMATION CENTER: JULY 15, 1963.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-417 681
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST. ABSTRACTS. PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-30 SEP 63.
OCT 63 48P
REPT. NO. REIC ASCENSIONS LIST NO. 68
CONTRACT: AF33 657 10085
PROJ: PROJS 7381 ,7634
TASK: 738103

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, RADIATION DAMAGE), (*RADIATION DAMAGE, BIBLIOGRAPHIES), METALS, ALLOYS, CERAMIC MATERIALS, POLYMERS, INORGANIC COMPOUNDS, ORGANIC MATERIALS, ELECTRONIC EQUIPMENT, ELECTRONICS, SPACE ENVIRONMENTAL CONDITIONS, ABSTRACTS, ELASTOMERS, PLASTICS. (U)
IDENTIFIERS: 1963. (U)

ABSTRACTS OF ACCESSIONS DURING SEPTEMBER 1963 BY THE RADIATION EFFECTS INFORMATION CENTER.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-420 596
NAVAL CIVIL ENGINEERING LAB PORT HUENEME CALIF
NAVAL ISOTOPE APPLICATIONS: A SELECTED
BIBLIOGRAPHY, (U)
AUG 63 73P SEABOLD,R. H. ;JACOVITCH,J.
;
REPT. NO. NCEL-TN-533

UNCLASSIFIED REPORT

DESCRIPTORS: (*RADIOACTIVE ISOTOPES, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, RADIOACTIVE ISOTOPES), (*NAVAL RESEARCH, RADIOACTIVE ISOTOPES), CIVIL ENGINEERING, CONSTRUCTION, ENGINEERING (U)
IDENTIFIERS: 1963 (U)

THE OBJECTIVES OF THIS TASK ARE TO ADAPT AND DEVELOP RADIOISOTOPE APPLICATIONS FOR USE IN THE NAVAL SHORE ESTABLISHMENT. IN COMPILING THIS BIBLIOGRAPHY, APPLICATIONS WERE SOUGHT WHICH MIGHT REDUCE COSTS, IMPROVE EFFICIENCY AND QUALITY CONTROL, AND OPEN NEW FIELDS FOR THE NAVAL SHORE ESTABLISHMENT WITH ITS LARGE INDUSTRIAL COMPLEXES AND FLEET SUPPORT FACILITIES. THIS LITERATURE SEARCH WAS CONDUCTED TO DETERMINE CURRENT RADIOISOTOPE APPLICATIONS IN INDUSTRY AND TO DETERMINE WHICH ARE MOST APPLICABLE FOR NAVY USE. ONLY APPLICATIONS FOR THE AREAS OF RESPONSIBILITY OF THE BUREAU OF YARDS AND DOCKS ARE INCLUDED. EMPHASIS IS PLACED ON POSSIBLE RADIOIOSTOPE USES FOR NAVAL CIVIL ENGINEERING IN CONSTRUCTION, FACILITY AND EQUIPMENT MAINTENANCE, HARBOR ENGINEERING, ENGINEERING SURVEYS, AND ENGINEERING RESEARCH. THE APPLICATIONS OF RADIOISOTOPES AS HEAT SOURCES ARE NOT INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-426 797
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST. ABSTRACT NO. 21254 TO 21301, PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-31 DEC 63.
JAN 64 19P
REPT. NO. AL70
CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

DESCRIPTORS: (*ABSTRACTS, RADIATION DAMAGE), (*RADIATION DAMAGE, ABSTRACTS), MATERIALS, METALS, CERAMIC MATERIALS, ORGANIC MATERIALS, BIBLIOGRAPHIES, POLYMERS, ELECTRONIC EQUIPMENT, SPACE ENVIRONMENTAL CONDITIONS. (U)
IDENTIFIERS: 1964. (U)

MONTHLY ACCESSION LIST OF THE RADIATION EFFECTS INFORMATION CENTER.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 407
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST 71, ABSTRACT NO. 21404 TO 21455, PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-31 JAN 64.
FEB 64 20P
REPT. NO. 71
CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIATION EFFECTS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, RADIATION EFFECTS), (*BIBLIOGRAPHIES, MATERIALS), ELECTRONICS, CERAMIC MATERIALS, METALLIC TEXTILES, POLYMER, INORGANIC COMPOUNDS, ORGANIC MATERIALS, SPACE ENVIRONMENTAL CONDITIONS, TEST EQUIPMENT, TEST METHODS (U)

BIBLIOGRAPHY OF RADIATION EFFECTS INFORMATION CENTER. MONTHLY ACCESSION LIST 71, ABSTRACT NO. 21404-TO-21455.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-432 663
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST COORDINATE INDEX PART II.
(U)

DESCRIPTIVE NOTE: REPT. FOR 1 OCT 63-29 FEB 64.
MAR 64 12P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*INDEXES, REPORTS), (*SUBJECT INDEXING, REPORTS), (*RADIATION EFFECTS, BIBLIOGRAPHIES), DOSIMETERS, ELECTROMAGNETIC WAVES, ENVIRONMENTAL TESTS, MATERIALS, MECHANICAL PROPERTIES, SOURCES, SPACE FLIGHT (U)
IDENTIFIERS: PARTICULATE RADIATION (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-443 451
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
THE FUNDAMENTAL EFFECTS OF RADIATION AND 'HOT ATOMS'
ON SIMPLE COMPOUNDS; AN ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE; REPT. FOR 1947-JAN 63.,
APR 63 328P PIERCE,CHARLIE M. ;
GLASS,RICHARD A. ;
REPT. NO. 8 19 63 9 ,SB63 37
CONTRACT; AF04 647 787

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE;

DESCRIPTORS; (*RADIATION DAMAGE, BIBLIOGRAPHIES), (*CHEMICAL COMPOUNDS, DEGRADATION), (*BIBLIOGRAPHIES, RADIATION EFFECTS), SOLUTIONS, HALOGEN COMPOUNDS, ABSTRACTS (U)
IDENTIFIERS; HOT ATOMS (U)

REFERENCES WHICH ARE RELATED TO THE EFFECTS OF 'HOT ATOMS' AND RADIATION ON SIMPLE COMPOUNDS AND AQUEOUS SOLUTIONS ARE LISTED. PARTICULAR ATTENTION WAS GIVEN TO THE SELECTION OF REFERENCES WHICH INVOLVE THE HALOGEN COMPOUNDS. THE REFERENCES ARE ARRANGED ACCORDING TO THE FIRST AUTHOR. INDEXES OF CORPORATE AUTHOR, PERSONAL AUTHOR AND SUBJECT ARE INCLUDED. THE PERIOD OF COVERAGE DATES FROM 1947 TO JANUARY 1963. SEARCH COMPLETED FEBRUARY 1963. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-459 964
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
RADIATION DAMAGE IN SOLIDS. COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.
MAY 64 90P
REPT. NO. AID-U-64-43

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SEMICONDUCTORS, RADIATION DAMAGE), (*SOLID STATE PHYSICS, BIBLIOGRAPHIES), USSR, THEORY, GERMANIUM, SILICON, CADMIUM COMPOUNDS, INDIUM COMPOUNDS, CRYSTALS, HALIDES, TITANATES, ABSTRACTING, POLYMERS, GLASS, MAGNESIUM, ZINC, SELENIDES, SULFIDES, ANTIMONY ALLOYS, DIELECTRIC PROPERTIES (U)

THIS IS A COMPILATION OF SCIENTIFIC PAPERS ON THE SUBJECT OF RADIATION DAMAGE IN SOLIDS PUBLISHED IN THE PERIODICAL FIZIKA TVERDOGO TELA (SOLID STATE PHYSICS), DURING THE PERIOD FROM JANUARY 1961 TO NOVEMBER 1963. THE REPORT IS DIVIDED INTO FOUR SECTIONS: SEMICONDUCTORS, SILICON, GERMANIUM, CADMIUM SULFIDE, AND CADMIUM SELENIDE AND INDIUM ANTIMONIDE, IONIC CRYSTALS (EXCLUDING SEMICONDUCTORS) ALKALI HALIDES, AND MAGNESIUM AND ZINC TITANATES; OTHER MATERIALS (COVALENT SUBSTANCES INCLUDING POLYMERS, GLASSES, ROCHELLE SALT,...); AND PURELY THEORETICAL SUBJECTS. WITHIN EACH SECTION OR SUBSECTION THE PAPERS ARE ARRANGED CHRONOLOGICALLY STARTING WITH THE EARLIEST PUBLISHED ARTICLES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 705
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
THE BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS. (U)
DESCRIPTIVE NOTE: ANNOTATED BIBLIOGRAPHY 1933-1964 ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.
APR 65 44P
REPT. NO. ATD-P-65-17

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIATION EFFECTS, ELECTROMAGNETIC FIELDS), (*ELECTROMAGNETIC FIELDS, RADIATION EFFECTS), USSR, CENTRAL NERVOUS SYSTEM, MICROWAVE RADIATION, BIBLIOGRAPHIES, SENSITIVITY, SCIENTIFIC RESEARCH, RADIOTHERAPY, ULTRAHIGH FREQUENCY, LABORATORY ANIMALS, HUMANS, REVIEWS (U)

THIS ANNOTATED BIBLIOGRAPHY REFERS TO MATERIALS REFLECTING SOVIET-BLOC RESEARCH ON THE BIOLOGICAL EFFECTS OF MICROWAVES AND CONSTANT MAGNETIC FIELDS PUBLISHED FROM 1933 TO 1964. OF THE 132 ARTICLES, 41 DEAL WITH THE EFFECTS OF MICROWAVES ON THE CENTRAL NERVOUS SYSTEM, 54 DEAL WITH EFFECTS ON THE PERIPHERAL NERVOUS SYSTEM, AND 36 DEAL WITH THEORY, THERMAL EFFECTS, EFFECTS ON INVERTEBRATES AND PLANTS, INDUSTRIAL HYGIENE, AND OTHER MISCELLANEOUS ASPECTS NOT DIRECTLY ASSOCIATED WITH THE NERVOUS RESPONSE OF ORGANISMS. IN MANY CASES ARTICLES WERE TAKEN FROM LARGE REVIEW PUBLICATIONS AND, THEREFORE, MUST BE REGARDED AS SECONDARY SOURCES. PRIMARY SOURCE NUMBERS FOLLOW THE ANNOTATIONS OF THESE ARTICLES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 707
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
NEUTRON FLUX MEASUREMENTS: AN ANNOTATED
BIBLIOGRAPHY, (U)
SEP 63 61P PIERCE,CHARLIE M. !
REPT. NO. SRB63 7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NEUTRON FLUX, MEASUREMENT),
(*BIBLIOGRAPHIES, NEUTRON FLUX), RADIATION MEASUREMENT
SYSTEMS, ABSTRACTS (U)

THE REFERENCES CITED DEAL WITH ALL ASPECTS OF
NEUTRON FLUX MEASUREMENTS. MOST OF THE REFERENCES
WERE PUBLISHED BETWEEN JUNE 1959 AND JUNE 1963.
THE REFERENCES ARE ALPHABETICALLY ARRANGED
ACCORDING TO THE FIRST AUTHOR. CORPORATE AND
PERSONAL AUTHOR INDEXES ARE INCLUDED. (AUTHOR)
(U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 287
PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D C
BIBLIOGRAPHY ON RADIOACTIVE ISOTOPES AS TOOLS FOR DETERMINING SMALL CHANGES IN COMPOSITION AND STRUCTURE OF MATERIALS. (U)
DEC 61 7P
REPT. NO. S61 038 ,PDL 42574

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIOACTIVE ISOTOPES, TRACER STUDIES), (*TRACER STUDIES, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, TRACER STUDIES), MATERIALS, DEGRADATION, TEST METHODS, RADIOGRAPHY (U)

A BIBLIOGRAPHY OF 32 ITEMS LISTED BY PDC ACCESSION NUMBER. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 689
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST. ABSTRACT NO. 24527 TO 24600. PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-31 JUL 64.
AUG 64 30P
REPT. NO. MAL-77
CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIATION DAMAGE, MATERIALS), (*BIBLIOGRAPHIES, RADIATION DAMAGE), ABSTRACTS, METALS, CERAMIC MATERIALS, SINGLE CRYSTALS, ORGANIC MATERIALS, POLYMERS, INORGANIC COMPOUNDS, ELECTRONIC EQUIPMENT, CIRCUITS, TRANSDUCERS, SEMICONDUCTORS, SPACE ENVIRONMENTAL CONDITIONS, NUCLEAR REACTORS, RADIATION CHEMISTRY, RADIATION MEASUREMENT SYSTEMS, STEEL, COPPER ALLOYS, NICKEL ALLOYS, REACTOR MATERIALS, TEXTILES, GUIDED MISSILE COMPONENTS, SOLAR CELLS, PROGRAMMING (COMPUTERS), SHIELDING, SCIENTIFIC SATELLITES, SEMICONDUCTORS, GLASS (U)
IDENTIFIERS: ELECTRON SPIN RESONANCE (U)

A BIBLIOGRAPHY OF 74 ABSTRACTS IS PRESENTED CONCERNING THE EFFECTS OF RADIATION ON METALLIC, CERAMIC, POLYMERIC, ORGANIC, AND INORGANIC MATERIALS; ELECTRONIC MATERIALS, COMPONENTS, AND DEVICES; TEST FACILITIES; SPACE ENVIRONMENT AND EFFECTS ON MATERIALS; AND EXPERIMENTAL DEVICES AND TECHNIQUES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 982
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
GEOPHYSICAL EFFECTS OF HIGH-ALTITUDE NUCLEAR EXPLOSIONS OF 1962, AN ANNOTATED BIBLIOGRAPHY, (U)
OCT 64 40P BLAU,EDMUND J. I
REPT. NO. TG-230-85
CONTRACT: NOW62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, NUCLEAR EXPLOSIONS), (*NUCLEAR EXPLOSIONS, BIBLIOGRAPHIES), (*GEOPHYSICS, NUCLEAR EXPLOSIONS), EXPLOSION EFFECTS, HIGH ALTITUDE (U)

THE PRESENT COMPILATION IS CONCERNED ONLY WITH GEOPHYSICAL EFFECTS PRODUCED BY THE HIGH-ALTITUDE TESTS MADE IN 1962, BOTH AMERICAN AND SOVIET . THIS SERIES IS OF PARTICULAR INTEREST BECAUSE OF THE CREATION AS A RESULT OF THE 'STARFISH TEST OF 9 JULY OF AN ARTIFICIAL RADIATION BELT SIMILAR TO THE NATURAL VAN ALLEN BELTS. THE EXTENT AND DURATION OF THIS BELT AND THE MAGNITUDE OF OTHER EFFECTS OF THE EXPLOSION GREATLY EXCEEDED THE RESULTS PRODUCED BY EARLIER HIGH-ALTITUDE NUCLEAR TESTS AND PROVIDED A STIMULUS FOR INTENSIVE INVESTIGATION ALL OVER THE WORLD. IN THIS BIBLIOGRAPHY, ARTICLES OF A PURELY THEORETICAL NATURE HAVE BEEN OMITTED, AS HAVE THOSE CONCERNED ONLY WITH RADIOACTIVE FALLOUT. THE TOTAL OF ABOUT 170 REFERENCES INDICATES THE GREAT INTEREST IN THE SUBJECT. THE LARGEST NUMBER OF ARTICLES ARE CONCERNED WITH THE STARFISH EXPLOSION, SINCE THIS WAS THE EARLIEST OF THE SERIES AND PRODUCED THE MOST SPECTACULAR RESULTS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 985
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
MONTHLY ACCESSION LIST, ABSTRACT NO. 27166 TO 27222. PART I. (U)
DESCRIPTIVE NOTE: REPT. FOR 1-30 APR 65.
MAY 65 25P
REPT. NO. ACCESSION LIST NO. 86
CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: CONTINUATION OF CONTRACT AF33 657 10085.

DESCRIPTORS: (*RADIATION DAMAGE, MATERIALS), (*MATERIALS, RADIATION DAMAGE), (*BIBLIOGRAPHIES, RADIATION DAMAGE), RADIATION CHEMISTRY, ABSTRACTING, CERAMIC MATERIALS, METALS, ORGANIC MATERIALS, POLYMERS, ELECTRONIC EQUIPMENT, SPACE ENVIRONMENTAL CONDITIONS, SEMICONDUCTOR DEVICES, ELECTROMAGNETIC WAVES (U)

CONTENTS: DATES COVERED: APRIL 1, 1965 TO APRIL 30, 1965 METALLIC MATERIALS: CERAMIC MATERIALS: ORGANIC MATERIALS: POLYMERIC MATERIALS: INORGANIC MATERIALS: ELECTRONIC MATERIALS, COMPONENTS, AND DEVICES: FACILITIES: SPACE ENVIRONMENT AND EFFECTS ON MATERIALS: EXPERIMENTAL DEVICES AND TECHNIQUES: MISCELLANEOUS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 339
BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS INFORMATION CENTER
A SELECTED BIBLIOGRAPHY OF PULSED RADIATION EFFECTS. (U)
JUN 63 32P VEAZIE,W. J. (COLLIER,S. F.)
REPT. NO. REIC-M-24
CONTRACT: AF33 657 10085
PROJ: 7381 ,7634
TASK: 738103

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIATION DAMAGE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, RADIATION DAMAGE), MATERIALS, ELECTRONIC EQUIPMENT, SEMICONDUCTOR DEVICES (U)

THE BIBLIOGRAPHY IS DIVIDED INTO THREE PARTS: REPORTS GENERAGED BY INDUSTRIAL ORGANIZATIONS, REPORTS GENERATED BY GOVERNMENT LABORATORIES, AND MISCELLANEOUS REFERENCES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 557
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
NUCLEAR SAFETY, (U)
OCT 65 65P VALIUNAS,ANDREW ;
POPLAWSKI,BARTHOLOMEW ;
REPT. NO. ATD-B-65-76
MONITOR: TT , 65-64490

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ANNOTATED BIBLIOGRAPHY BASED ON SOVIET OPEN LITERATURE. REPORT ON SURVEYS OF SOVIET SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*HEALTH PHYSICS INSTRUMENTATION, BIBLIOGRAPHIES), RADIATION MEASUREMENT SYSTEMS, SHIELDING, REMOTE CONTROL SYSTEMS, SAFETY, NEUTRON DEFECTORS, ALPHA PARTICLE DETECTORS, GAMMA COUNTERS, DOSIMETERS, USSR (U)

AN ANNOTATED BIBLIOGRAPHY IN PRESENTED OF RUSSIAN PAPERS ON THE FOLLOWING TOPICS: NEUTRON DETECTORS: ALPHA, BETA, AND GAMMA DETECTORS: DOSIMETERS: RADIATION SHIELDING STUDIES: REMOTE HANDLING AND RADIATION PROTECTIVE DEVICES AND STUDIES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 600 18/3 14/2 7/3 7/4
20/2 20/12
LIBRARY OF CONGRESS WASHINGTON D C SCIENCE AND TECHNOLOGY DIV
AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY, VOLUME III, 1959, (U)
65 705P HOOKER,G. VERNON !
YATES,DORIS C. !BROOKINS,HARVEY D.!
DANN,AARON S. !
MONITOR: AFOSR , 700-3

UNCLASSIFIED REPORT
AVAILABILITY: HARD COPY AVAILABLE FROM SUPERINTENDENT OF DOCUMENTS, GPO, WASHINGTON, D. C. 20402, $4.75, D-301.45/19-21700/V.3.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*AIR FORCE RESEARCH, BIBLIOGRAPHIES), ABSTRACTS, MATHEMATICS, PHYSICS, CHEMISTRY, PHYSICAL CHEMISTRY, SOLID STATE PHYSICS, ELECTRONICS, AERONAUTICS, ASTRONAUTICS, PROPELLANTS, FUELS, MATERIALS, CRYSTALLOGRAPHY, MEDICINE, METALLURGY, PSYCHOLOGY (U)

AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY, VOLUME III, 1959.

ORDNANCE

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 203
SPRINGFIELD ARMORY MASS
BIBLIOGRAPHY OF SPRINGFIELD ARMORY TECHNICAL REPORTS AND NOTES ON MATERIEL - 1 JANUARY 1961 31 DECEMBER 1962. (U)
JAN 63 13P
MONITOR: SA TR20 9102

UNCLASSIFIED REPORT

DESCRIPTORS: (*ORDNANCE), (*BIBLIOGRAPHIES), (*ABSTRACTS), SMALL ARMS, AUTOMATIC WEAPONS, GUN MOUNTS, SPOTTING RIFLES, ALUMINUM COATINGS, STEEL, CHROMIUM, P, POWDER METALS, CARBIDES, MACHINING, ULTRASONIC RADIATION, SINTERING, NON-DESTRUCTIVE TESTING, CARTRIDGES, ANALOG COMPUTERS, ARMAMENT, HELICOPTERS, ERRORS, GUNS (U)

THIS BIBLIOGRAPHY IS A COMPILATION OF TECHNICAL REPORTS AND NOTES ON MATERIEL PREPARED AND PUBLISHED BY SPRINGFIELD ARMORY RESEARCH AND ENGINEERING DIVISION. THIS BIBLIOGRAPHY COVERS THE PERIOD FROM 1 JANUARY 1961 TO 31 DECEMBER 1962. ABSTRACTS OF TECHNICAL REPORTS ARE INCLUDED IN THIS BIBLIOGRAPHY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 244
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
EXPLODING WIRES, FILMS, AND RIBBONS. ANNOTATED BIBLIOGRAPHY. (U)
AP
MONITOR: AID 863 78

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: *EXPLODING WIRES, *BIBLIOGRAPHIES, FILMS, ABSTRACTS, SCIENTIFIC PERSONNEL, PHOTOGRAPHIC EQUIPMENT, SPECTRA (VISIBLE AND ULTRAVIOLET), KERR CELLS, FERRITE, SPARKS, CIRCUITS, HYDRODYNAMICS, THEORY, ELECTRON OPTICS, ELECTRICAL IMPEDANCE, THICKNESS, TEMPERATURE, LIGHT PULSES, GASES, OSCILLOGRAPHS, ELECTRONS, PLASMA PHYSICS (U)
IDENTIFIERS: USSR (U)

THIS BIBLIOGRAPHY IS INTENDED AS A GUIDE TO SOVIET LITERATURE ON ELECTRICALLY EXPLODED CONDUCTORS. IT WAS COMPILED FROM SIX SOVIET JOURNALS, SPANNING THE PERIOD MARCH 1957 TO JANUARY 1963. THE ELEVEN ENTRIES ARE ARRANGED ALPHA BETICALLY BY AUTHOR. AN ANNOTATION IS PROVIDED FOR EACH ARTICLE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 226
NAVAL ORDNANCE TEST STATION CHINA LAKE CALIF
1962, SELECTED OFFICIAL PUBLICATIONS. PROFESSIONAL
PAPERS AND PATENTS. (U)
SEP 63 75P
MONITOR: NOTS TP3120

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ORDNANCE, REPORTS), (*ABSTRACTS,
ORDNANCE), PATENTS, PERIODICALS, BIBLIOGRAPHIES (U)
IDENTIFIERS: PUBLICATIONS, 1963 (U)

THIS BOOKLET LISTS OFFICIAL PUBLICATIONS RELEASED
TO THE OFFICE OF TECHNICAL SERVICES FOR
DISSEMINATION UNDER PUBLIC LAW 776, PROFESSIONAL
PAPERS PUBLISHED IN THE OPEN LITERATURE, AND U.S.
PATENTS. THE OFFICIAL PUBLICATIONS ARE LISTED BY
SERIES NUMBER (NAVORD REPORT, NAVWEPS REPORT,
NOTS TP); THE PROFESSIONAL PAPERS, ALPHABETICALLY
BY FIRST AUTHOR; AND THE PATENTS, BY U. S. PATENT
NUMBER. AN AUTHOR INDEX APPEARS AT THE BACK.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY - SEARCH CONTROL NO. 000362

AD-460 101
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
THE THEORY OF DETONATION, THE COMBUSTION MECHANISM, AND THE PROPERTIES OF EXPLOSIVES. (U)
DESCRIPTIVE NOTE: ANNOTATED BIBLIOGRAPHY ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

AUG 64 67P
REPT. NO. ATD-U-64-8E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*EXPLOSIVE MATERIALS, BIBLIOGRAPHIES), (*SCIENTIFIC RESEARCH, USSR), THEORY DETONATIONS, COMBUSTION, STABILITY, DECOMPOSITION, PYROLYSIS, BURNING RATE, SHOCK WAVES, ABSTRACTING (U)

THIS REPORT IS BASED ON THE OPEN SOVIET LITERATURE PUBLISHED IN 1963 AND AVAILABLE AT THE AEROSPACE TECHNOLOGY DIVISION AND THE LIBRARY OF CONGRESS. IT CONSISTS OF AN ANNOTATED BIBLIOGRAPHY DEALING PREDOMINANTLY WITH THE THEORY OF DETONATION, THE COMBUSTION MECHANISM, AND THE PROPERTIES OF EXPLOSIVES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 024
SPRINGFIELD ARMORY MASS
BIBLIOGRAPHY OF SPRINGFIELD ARMORY TECHNICAL REPORTS
AND NOTES ON MATERIEL (1 JAN-31 DEC 63). (U)
FEB 64 12P
MONITOR: SA TR20 9103

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*GUNS, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, GUNS), GUN COMPONENTS, ABSTRACTS,
REPORTS (U)

THE BIBLIOGRAPHY IS A COMPILATION OF TECHNICAL
REPORTS AND NOTES ON MATERIEL PREPARED AND
PUBLISHED BY SPRINGFIELD ARMORY RESEARCH AND
ENGINEERING DIVISION. THE BIBLIOGRAPHY COVERS
THE PERIOD FROM 1 JANUARY 1963 TO 31 DECEMBER
1963. ABSTRACTS OF TECHNICAL REPORTS ARE
INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 131
AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD
MASS
A BIBLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR
PHENOMENON. SUPPLEMENT NO. 1. (U)
DESCRIPTIVE NOTE: SPECIAL REPT.,
JUN 65 43P CHACE,WILLIAM G. I
WATSON,ELEANOR M. I
REPT. NO. SR-25 ,AFCRL-65-384
PROJ: 8608
TASK: 860804

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*EXPLODING WIRES, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, EXPLODING WIRES), FOILS,
EXPLOSIVE MATERIALS, LIGHT, MATHEMATICS,
MEASUREMENT, PHOTOGRAPHY, SHOCK WAVES, SPARKS,
SPECTROSCOPY, ELECTRIC SWITCHES, TEMPERATURE,
THEORY, X RAYS, FILMS, PLASMA PHYSICS (U)

BIBLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR
PHENOMENON. SUPPLEMENT NO. 1.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 195
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
SOVIET AEROBALLISTIC RANGES AND HYPERVELOCITY RESEARCH: COMPREHENSIVE REPORT, (U)
SEP 65 71P BOYLAN,LEE I
REPT. NO. ATD-P-65-79
MONITOR: TT ; 65-64117

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF COMMUNIST WORLD SCIENTIFIC AND TECHNICAL LITERATURE.
AVAILABLE COPY WILL NOT PERMIT FULLY LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF REQUESTED BY USERS OF DDC.
COPY IS AVAILABLE FOR PUBLIC SALE.

DESCRIPTORS: (*RANGES(ESTABLISHMENTS), EXTERIOR BALLISTICS), (*EXTERIOR BALLISTICS, RANGES(ESTABLISHMENTS)), (*HYPERVELOCITY GUNS, USSR), IMPACT PREDICTION, HYPERVELOCITY PROJECTILES, SHOCK TUBES, INSTRUMENTATION, BIBLIOGRAPHIES, POLAND (U)

PART I DEALS PREDOMINANTLY WITH TWO BALLISTIC RANGES MENTIONED IN OPEN SOVIET LITERATURE AS BEING PRESENTLY IN USE IN THE SOVIET UNION. OTHER MATERIAL DISCUSSED IN PART I DEALS WITH SEVERAL RECENT ARTICLES DESCRIBING METHODS OF OBTAINING EXTREMELY HIGH VELOCITIES (100 AND 90 KM/SEC). THIS MATERIAL COVERS RECENT SOVIET AND POLISH DEVELOPMENTS IN HYPERVELOCITY TECHNOLOGY. PART II DISCUSSES SOVIET IMPACT TECHNIQUE, TRENDS, AND EQUIPMENT, AND CONTAINS SOME MATERIAL ON IMPACT STUDIES. OF PARTICULAR INTEREST IS A RECENT ARTICLE DISCUSSING A 18-KM/SEC IMPACT ACHIEVED BY USING WHAT IS DESCRIBED AS A 'MULTISTAGE' EXPLOSIVE CHARGE. AT THE END OF PART II, A SELECTED BIBLIOGRAPHY HAS BEEN INCLUDED WHICH CITES THE ENGLISH TRANSLATIONS OF MANY OF THE FOREMOST SOVIET WORKS DEALING WITH IMPACT. PARTS III AND IV BRIEFLY DISCUSS SOVIET SHOCK TUBES AND INSTRUMENTATION, LISTING SOME OF THE COMPONENTS MOST FREQUENTLY FOUND IN SOVIET HYPERVELOCITY STUDIES. THE MATERIAL COVERED IN THIS REPORT IS THE RESULT OF AN EXHAUSTIVE AND COMPREHENSIVE SEARCH OF MORE THAN 15 MAJOR SOVIET SCIENTIFIC PERIODICALS AND OTHER PERTINENT SERIALS, MONOGRAPHS, ETC., PUBLISHED OVER THE LAST SEVEN YEARS, AND INVOLVED THE REVIEW OF OVER 3000 ARTICLES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 242
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
ACTIVITIES INVOLVING BLASTING OPERATIONS: REVIEW ARTICLE AND ANNOTATED BIBLIOGRAPHY (USSR). (U)
DESCRIPTIVE NOTE: REPT. NO. 3 ON AID WORK ASSIGNMENT NO. 50-E.
MAR 64 24P
REPT. NO. AID-U-64-21
MONITOR: TT , 65-64453

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REFERENCES ARE TAKEN FROM SOVIET AND SOVIET-BLOC OPEN-SOURCE MATERIALS PUB. 1963.

DESCRIPTORS: (*BLAST, REVIEWS), (*EXPLOSIVE MATERIALS, BIBLIOGRAPHIES), ENGINEERING, MINING ENGINEERING, CRATERING, DAMS, USSR (U)

THE REPORT IS ISSUED IN TWO PARTS. PART I COMPRISES SUMMARY REVIEWS, WITH ILLUSTRATIONS, OF THREE SELECTED SOVIET PAPERS WHICH AFFORD CONSIDERABLE INSIGHT INTO THE CURRENT SOVIET STATE OF THE ART IN THE ENGINEERING USES OF EXPLOSIVES. PART II COMPRISES ABSTRACTS OF 13 PAPERS ON VARIOUS APPLICATIONS OF EXPLOSIVES. CRATERING TECHNIQUES, MINING, DRAINAGE, AND TECHNIQUES OF 'CONFINED' CHARGES ARE AMONG THE SUBJECTS COVERED. ABSTRACTS OF THE PAPERS REVIEWED IN PART I ARE INCLUDED IN PART II. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-625 326 19/4 21/2 19/1
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
THE THEORY OF DETONATION, THE COMBUSTION MECHANISM, AND THE PROPERTIES OF EXPLOSIVES, (U)
DEC 65 37P PARANDJUK,SERAPHIM I
REPT. NO. ATD-65-111
MONITOR: TT , 66-60085

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILATION OF ABSTRACTS BASED ON SOVIET OPEN LITERATURE.

DESCRIPTORS: (*DETONATIONS, ABSTRACTS), (*COMBUSTION, ABSTRACTS), (*EXPLOSIVE MATERIALS, ABSTRACTS), BIBLIOGRAPHIES, USSR (U)

THEORY OF DETONATION, THE COMBUSTION MECHANISM, AND THE PROPERTIES OF EXPLOSIVES: COMPILATION OF ABSTRACTS.

PHYSICS

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 137
AUTONETICS DOWNEY CALIF
A SURVEY OF LITERATURE ON TECHNIQUES AND INSTRU
MENTATION FOR MEASURING ELECTRICAL PULSE INTERVALS. (U)
FEB 63 1V BRYCE,BARBARA ANN ;
ALEVIZON,SARAH ANN ;
REPT. NO. EM1163 106

UNCLASSIFIED REPORT

DESCRIPTORS: *ELECTROMAGNETIC PULSES, *BIBLIOG
RAPHIES, ABSTRACTS, MEASUREMENT. (U)

THIS BIBLIOGRAPHY IS ON RISE TIME AND WIDTH RANGE OF VERY SHORT ELECTRICAL PULSES. EMPHASIS HAS BEEN PLACED ON HOW TO MEASURE TIME AND PEAK AMPLITUDE BY ACCURATE NANOSECOND MEASUREMENTS. SPECIAL EQUIPMENT AND TECHNIQUES ARE CITED. THE SCOPE COVERS APPROXIMATELY A 12-YEAR PERIOD WITH MOST OF THE LITERATURE ENCOMPASSING THE LAST FOUR YEARS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 469
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
THERMAL SHOCK: AN ANNOTATED BIBLIOGRAPHY, (U)
SEP 62 20P BUGINAS,COMP.BY SCOTT J.
REPT. NO. 6 19 62 41

UNCLASSIFIED REPORT

DESCRIPTORS: *BIBLIOGRAPHIES, *THERMAL STRESSES, FATIGUE (MECHANICS), STABILITY, THEORY, REFRACTORY MATERIALS, CERAMATERIALS, SHOCK (MECHANICS), HIGH TEMPERA TURE RESEARCH. (U)
IDENTIFIERS: THERMAL SHOCK. (U)

THE SEARCH MADE BEGAN WITH THE LITERATURE OF 1956. GLENNY IN 1961 AND MAJORS IN 1957 HAVE WRITTEN EXTENSIVE REVIEW ARTICLES CONCERNING THERMAL FATIGUE. SOME OF THE REFERENCES OF THESE AUTHORS APPLY DIRECTLY OR ARE RELATED TO THE SUBJECT OF THIS BIBLIOGRAPHY. THIS SEARCH WAS ORIENTED TOWARD AIDING RESEARCHERS IN DEVELOP ING A DEFINITION FOR THERMAL SHOCK (THERE ARE CONFLICTS IN THE LITERATURE) AND IN STUDYING THERMAL SHOCK VS. FATIGUE CYCLING. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-404 834
DAVID TAYLOR MODEL BASIN WASHINGTON D C
CRITERIA FOR HUMAN REACTION TO ENVIRONMENTAL
VIBRATION ON NAVAL SHIPS, (U)
JUN 62 11P BUCHMANN,E. I
PROJ: S F013 11 01
MONITOR: DTMB 1635

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PRESENTED AT THE ANNUAL MEETING OF THE INSTITUTE FOR ENVIRONMENTAL SCIENCES HELD IN CHICAGO ON 10 APRIL 1962 AND IS PUBLISHED IN THE PROCEEDINGS OF THE INSTITUTE.

DESCRIPTORS: *VIBRATION, *MAN, *NAVAL PERSONNEL, *BIBLIOGRAPHIES, *MOTION, *MOTION SICKNESS, NAVAL VESSELS (COMBATANT), DESTROYERS, AIRCRAFT CARRIERS, OCEAN WAVES, ACCELERATION, TIME, ROLL, PITCH (MOTION), FREQUENCY, REACTION (PSYCHOLOGY), TOLERANCES (PHYSIOLOGY), PHYSIOLOGY. (U)

A SEARCH OF EXISTING LITERATURE ON HUMAN REACTIONS TO VIBRATIONS WAS MADE TO OBTAIN A GUIDE FOR ESTABLISHING NORMS FOR CREWS ON NAVAL SHIPS. SUCH NORMS ARE RECOMMENDED AS A RESULT OF THIS STUDY. FURTHER RESEARCH PROGRAMS ARE OUTLINED. THIS REPORT DEFINES LEVELS OF MOTIONS AND VIBRATIONS TO WHICH CREW MEMBERS ARE EXPOSED DURING SURFACE SHIP OPERATIONS. THE LEVELS OF VIBRATION ARE ALSO COMPARED WITH THOSE FOR STRUCTURAL ITEMS AND MACHINERY. NO ATTEMPT IS MADE TO EVALUATE ALL WORK IN THIS FIELD; ONLY THAT CONSIDERED PERTINENT TO PROBLEMS ARISING FROM SHIPBOARD VIBRATION IS INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-407 047
NAVAL RESEARCH LAB WASHINGTON D C
A FAR INFRARED BIBLIOGRAPHY, (U)
APR 63 51P PALIK,E.D.;
MONITOR: NRL BIBLIOGRAPHY NO. 21

UNCLASSIFIED REPORT

DESCRIPTORS: *INFRARED RADIATION, INSTRUMENTATION, OPTICAL PROPERTIES, GASES, LIQUIDS, SOLIDS, INFRARED SPECTROSCOPY, INFRARED EQUIPMENT, BIBLIOGRAPHIES. (U)

A CHRONOLOGICALLY ARRANGED BIBLIOGRAPHY OF 650 REFERENCES ON FAR INFRARED RADIATION.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-407 521
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
ELECTROLUMINESCENCE: AN ANNOTATED
BIBLIOGRAPHY, (U)
JUN 63 117P STROMER,COMP.BY PETER R.
REPT. NO. REPT. NO. SB63 6

UNCLASSIFIED REPORT

DESCRIPTORS: *ELECTROLUMINESCENCE, *BIBLIOGRAPHY, INJECTION, PHOSPHORUS, ELECTRIC FIELDS, PHOTONS, EXCITATION, DISPLAY SYSTEMS, COMPUTER LOGIC, CATHODE RAY TUBE SCREENS, CHEMICAL COMPOUNDS, PHOTOCONDUCTIVITY, SONAR, OPTICAL PROPERTIES, PHOSPHORESCENCE, DIRECT CURRENT, ALTERNATING CURRENT. (U)

THE RECENT LITERATURE OF CARRIER INJECTION (D.C.) AND INTRINSIC (A.C.) ELECTROLUMINESCENCE HAS BEEN REVIEWED. ELECTROLUMINESCENCE IS DEFINED AS THE EXCITATION OF A PHOSPHOR BY AN ELECTRIC FIELD WHEREBY THE ELECTRICAL ENERGY IS CONVERTED TO VISIBLE RADIATION. OTHER FORMS OF ENERGY SUCH AS PHOTONS, CATHODE RAYS, X-RAYS, ETC. GIVE RISE TO PHOTOLUMINESCENCE, CATHODOLUMINESCENCE, AND X-RAY LUMINESCENCE, RESPECTIVELY. REFERENCES TO THESE OTHER FORMS OF LUMINESCENCE HAVE BEEN INCLUDED ONLY IN THOSE INSTANCES WHERE THEY HAVE BEEN STUDIED IN COMBINATION WITH ELECTROLUMINES CENCE. ENTRIES ARE ARRANGED ALPHABETICALLY BY SENIOR PERSONAL AUTHOR. BOTH A SOURCE AND SUB JECT INDEX ARE SUPPLIED TO PROVIDE DIFFERENT APPROACHES TO THE USE OF THIS MATERIAL. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-410 497
IIT RESEARCH INST CHICAGO ILL
LITERATURE ON DESIGN TECHNIQUES AND ANALYTICAL
METHODS FOR BRITTLE MATERIALS, (U)
APR 63 258P BARNETT,RALPH L.
REPT. NO. REPT. NO. 8259
TASK: 2

UNCLASSIFIED REPORT

DESCRIPTORS: (*BRITTLENESS, BIBLIOGRAPHIES),
STRESSES, ANALYSIS, DESIGN, CERAMIC MATERIALS,
REFRACTORY MATERIALS, GLASS TEXTILES, METALS,
ALLOYS, MATERIALS, COMPOSITE MATERIALS,
MECHANICAL PROPERTIES, GLASS, TEXTILES,
CONCRETE, AIR FRAMES, MECHANICS, STATISTICAL
ANALYSIS, STRUCTURES, FRACTURE(MECHANICS),
FATIGUE(MECHANICS), THERMAL STRESSES, CREEP,
JOINTS, THEORY, TEST METHODS,
FAILURE(MECHANICS), LOADING(MECHANICS),
DEFORMATION, STATISTICAL MECHANICS (U)
IDENTIFIERS: 1963. (U)

CONTENTS: STATISTICAL STATIC STRENGTH THEORIES
FATIGUE FRACTURE THEORY BRITTLE BEHAVIOR
THERMAL STRESS NOTCH SENSITIVITY AND STRESS
CONCENTRATION CREEP CRACK PROPAGATION MATERIALS
ENVIRONMENT JOINTS (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-411 512
MASSACHUSETTS INST OF TECH CAMBRIDGE ENGINEERING PROJECTS LAB
AN INDEX TO THE TWO-PHASE GAS-LIQUID FLOW TEM PERATURE. PART I, (U)
MAY 63 315P GOUSE,S.WILLIAM I
REPT. NO. REPT. 8734 I
CONTRACT: NONR184173

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, INDEXES), (*GAS FLOW, FLUID FLOW), BOILING, BUBBLES, CAPILLARY TUBES, COMPRESSIBLE FLOW, OSCILLATION, HYDRODUCT ENGINES, ABSTRACTS. (U)
IDENTIFIERS: 1963, TWO-PHASE FLOW. (U)

A TOTAL OF 2000 SEPARATE REFERENCES ON CERTAIN TYPES OF TWO-PHASE GAS-LIQUID FLOW PHENOMENA HAVE BEEN FOUND, VERIFIED, LISTED, AND INDEXED BY SUB JECT AND PRINCIPLE AUTHOR. THIS LITERATURE SUR VEY WAS CARRIED OUT AS ONE PHASE OF A PROGRAM TO DETERMINE THE STATE OF THE ART IN TWO-PHASE GAS LIQUID FLOW PHENOMENA. IT IS EXPECTED THAT THIS PROGRAM WILL CONTINUE WITH THE ADDITIONAL PUBLI CATION OF CRITICAL REVIEWS AND EVALUATIONS OF VARIOUS PROBLEM AREAS IN TWO-PHASE FLOW AS WELL AS WITH THE PUBLICATION OF PART II OF THE INDEX. THE PROBLEM AREAS OF CONDENSATION, CAVITATION, AND ATOMIZATION HAVE BEEN EXCLUDED EXCEPT WHEN REFERENCES WERE OF SUCH A BASIC CHARACTER AS TO BE GENERALLY USEFUL.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 411
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
METALWORKING APPLICATIONS OF LASERS: AN ANNOTATED
BIBLIOGRAPHY, (U)
FEB 63 25P HELEN,COMP.BY I
REPT. NO. SPECIAL BIBLIOGRAPHY SB63 22; REPT. NO. S 73
63 5

UNCLASSIFIED REPORT

DESCRIPTORS: (*METALLURGY, LASERS), (*LASERS,
METALLURGY), WELDING, MACHINING, MELTING,
VAPORIZATION, MATERIAL REMOVAL, DRILLS, RUBY,
MASERS, CUTTING TOOLS, DESIGN, ELECTRICAL
ENGINEERING, MANUFACTURING METHODS, ELECTRONICS,
STAINLESS STEEL, ABSTRACTS, REPORTS, TITANIUM
ALLOYS, ALLOYS, TUNGSTEN, ALUMINUM, NICKEL,
DIAMONDS, MOLYBDENUM, CRYSTALS, CRYSTAL
STRUCTURE, LABORATORY EQUIPMENT, MEDICINE,
PHOTOGRAPHY, BIBLIOGRAPHIES (U)
IDENTIFIERS: 1963, LASERBEAM WELDING. (U)

APPLICATIONS OF LASERS IN METALWORKING ARE RE
PORTED WITH EXCERPTS, SUMMARIES AND QUOTATIONS
POINTING OUT THE MOST RELEVANT INFORMATION IN THE
ITEMS REVIEWED. METALWORKING APPLICATIONS INCLUDE
WELDING, MACHINING, PIERCING AND DRILL ING, MELTING
AND VAPORIZING, FABRICATION OF RE FRACTORY MATERIALS,
AND THE MICROWELDING AND MICROMACHINING OF FRAGILE
COMPONENTS AND INTER CONNECTIONS FOR ELECTRONICS AND
OPTICAL COMMUNI CATIONS USES. MEASURING AND GAGING
APPLICATIONS, HIGH SPEED PHOTOGRAPHY, HIGH
TEMPERATURE TESTING OF MATERIALS CHARACTERISTICS ARE
OTHER LIKELY APPLICATIONS MENTIONED. REFERENCES
ARE MADE ALSO TO SAFETY PRECAUTIONS FOR LSE, AND TO
COMPONENTS AND EQUIPMENT NOW AVAILABLE FOR
EXPERIMENTAL OR SHOP USE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 458
AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD
MASS
A LITERATRE SURVEY O THE PURIFICATION OF ELECTRONIC
MATERIALS, (U)
JUN 63 36P ARMINGTON ,A. F. IDILLON
,G. F. IMITCHELL,R. F. I
PROJ: 5620
MONITOR: AFCRL 63 160

UNCLASSIFIED REPORT

DESCRIPTORS: (*SEMICONDUCTOR, MATERIALS),
(*BIBLIOGRAPHIES, SEMICONDUCTOR), (*PURIFICA
TION, SEMICONDUCTORS), (*EMATE RIALS),
ALUMINUM, ANTIMONY, ARSENIC, BISMUTH,
BORON, CADMIUM, GALLIUM, GERMANIUM, INDIUM,
LEAD, MAGNESIUM, MERCURY, PHOSPHORUS,
SELENIUM, SILICON, SULFUR, TELLURIUM, TIN,
ZINC. (U)
IDENTIFIERS: 1963. (U)

THIS REPORT, THE SECOND IN A SERIES UNDER THE GENERAL TITLE OF PURIFICATION, IS A LITERATURE SURVEY ON THE PURIFICATION PROCEDURES APPLIED TO NINETEEN ELEMENTS USED IN THE ELECTRONIC INDUSTRY.THERE IS AN ADDITIONAL SECTION ON THE ATTAINMENT OF STOICHIOMETRY IN COMPOUND SEMICONDUCTORS BY THE INDUSTRY AND A SUMMARY CHART OF THE PROBABLE BEST PURIFICATION PROCEDURE FOR EACH ELEMENT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 953
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
LATTICE DYNAMICS ANNOTATED BIBLIOGRAPHY OF SOVIET LITERATURE. (U)
AUG 63 34P
MONITOR: AID REPT. B63 101

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, *CRYSTAL LATTICES), COMPRESSIVE PROPERTIES, TEMPERATURE, HIGH-PRESSURE RESEARCH, ENERGY, THERMAL CONDUCTIVITY, SPECTRA(INFRARED), MOLECULES, VIBRATION (U)
IDENTIFIERS: 1963, USSR. (U)

CONTENTS: CHARACTERISTIC TEMPERATURES HIGH PRESSURES AND COMPRESSIBILITIES LATTICE ENERGIES HEAT CAPACITIES INFRARED LATTICE VIBRATIONAL SPECTRA THERMAL CONDUCTIVITY (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 971
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
VIBRATIONS OF THIN SHELLS; A PARTIALLY ANNOTATED
BIBLIOGRAPHY, (U)
APR 63 97P GROS,COMP.BY CHARLES G.;
FORSBERG,KEVIN ;
REPT. NO. SPECIAL BIBLIOGRAPHY SB63 43;
CONTRACT; AF04 695 59

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, VIBRATION),
(*VIBRATION, STRUCTURAL SHELLS), ELASTIC
SHELLS, SPHERES, CONICAL BODIES, GEOMETRIC
FORMS, CYLINDRICAL BODIES, FLUTTER, THICKNESS,
FLUIDS. (U)
IDENTIFIERS: 1963, THIN SHELLS. (U)

THE VIBRATION OF THIN SHELLS IS THE SUBJECT OF THIS
BIBLIOGRAPHY. WITH THE EXCEPTION OF THE WORK ON
FLUTTER, AN A IS MADE TO PROVIDE AS COMPLETE COVERAGE
AS POSSIBLE. SINCE MUCH OF THE WORK ON THE FLUTTER
OF CYLINDRICAL SHELLS IS CONCERNED MORE WITH
AERODYNAMICS AND FLUID FLOW THAN WITH SHELL DYNAMICS
AS SUCH, ONLY FLUTTER MATERIAL OF GENERAL INTEREST
FROM THE STRUCTURAL POINT OF VIEW HAS BEEN CITED.
THE 215 CITATIONS GIVEN COVER THE PERIOD FROM 1957
THROUGH MARCH 1963; THE TWO BIBLIOGRAPHIES BY W.
A. NASH, TO WHICH REFERENCE IS MADE, COVER THE
PERIOD FROM 1880 THROUGH 1956. THERE IS, IN
ADDITION TO THE TEN MAJOR SUBJECT CATEGORIES INTO
WHICH MOST OF THE CITATIONS FALL, A SECONDARY
SUBJECT INDEX INDICATING NINE OTHER SUBJECTS.
PERSONAL AND CORPORATE AUTHOR INDEXES ARE IN
CLUDED. THE RESOURCES OF THE TECHNICAL INFORMA
TION CENTER, LOCKHEED MISSILES + SPACE
COMPANY, WERE UTILIZED. SEARCH COMPLETED APRIL
1963. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-414 327
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
PLASMA SPECTROSCOPY, ANNOTATED BIBLIOGRAPHY. (U)
JUL 63 40P
MONITOR: AID B63 93

UNCLASSIFIED REPORT

DESCRIPTORS: (*PLASMA PHYSICS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, PLASMA PHYSICS), (*SPECTROSCOPY, PLASMA PHYSICS), ELECTRIC ARCS, ELECTRIC DISCHARGES, PLASMA OSCILLATIONS, GAS DISCHARGES. (U)
IDENTIFIERS: 1963. (U)

ANNOTATED BIBLIOGRAPHY ON PLASMA SPECTROSCOPY RESEARCH IN THE SOVIET UNION.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-416 376
MELLON INST PITTSBURGH PA
PROBLEMS IN RHEOLOGY AND PHYSICAL CHEMISTRY. (U)
DESCRIPTIVE NOTE: FINAL REPT.,
IV COLEMAN,BERNARD D. ;
MONITOR: AFOSR
UNCLASSIFIED REPORT
FOR REFERENCE ONLY AT EACH OF THE DDC OFFICES.THIS
REPORT CANNOT BE SATISFACTORILY REPRODUCED;DDC DOES NOT
FURNISH COPIES.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CONTINUUM MECHANICS, REPORTS),
(*THERMODYNAMICS, REPORTS), (*FLUID MECHANICS,
REPORTS), (*POLYMERS, PHYSICAL CHEMISTRY),
(*BIBLIOGRAPHIES, POLYMERS), FLUID FLOW,
VISCOELASTICITY, STRESSES, STRAIN (MECHANICS), FLUIDS,
FLUID DYNAMIC PROPERTIES, VISCOSITY, THERMAL
CONDUCTIVITY, ADSORPTION, POLYMERIZATION (U)
IDENTIFIERS: 1963 (U)

COMPILATION OF REPRINTS AND PREPRINTS ON RHEOLOGY:
THERMODYNAMICS, CONTINUUM MECHANICS, AND THE PHYSICAL
CHEMISTRY OF POLYMERS; FINAL REPORT.

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-417 336
YERKES OBSERVATORY WILLIAMS BAY WIS
THE STUDY OF HYDROMAGNETIC PROBLEMS BEARING ON
GEOMAGNETISM. (U)
DESCRIPTIVE NOTE: FINAL REPT.;
6; 40P CHANDRASEKHAR,S.;
CONTRACT: AF19 604 2046
MONITOR: AFCRL 62 1075

UNCLASSIFIED REPORT

DESCRIPTORS: (*ABSTRACTS, TERRESTRIAL
MAGNETISM), (*BIBLIOGRAPHIES, TERRESTRIAL
MAGNETISM), (*MAGNETOHYDRODYNAMICS, BIBLIO
GRAPHIES), HYDRODYNAMICS, THERMODYNAMICS,
PLASMA PHYSICS, MATHEMATICAL ANALYSIS,
STABILITY. (U)
IDENTIFIERS: 1962. (U)

FORTY-TWO ABSTRACTS OF PUBLICATIONS ON HYDROMAGNETIC
PROBLEMS BEARING ON GEOMAGNETISM; FINAL REPORT.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 449
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
SHOCK WAVE PROPAGATION IN SOLIDS: AN ANNOTATED
BIBLIOGRAPHY, (U)
MAR 63 61P STROMER,COMP.BY PETER R.;
REPT. NO. SPECIAL BIBLIOGRAPHY NO. SB63 31;
CONTRACT: NOW63 0050C

UNCLASSIFIED REPORT

DESCRIPTORS: (*SHOCK WAVES, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, SHOCK WAVES), PROPAGATION,
SOLIDS, BLAST, IMPACT SHOCK, PLASTICITY, VIS
COELACTICITY, ELASTICITY, JETS, COMPRESSIVE
PROPERTIES. (U)
IDENTIFIERS: 1963. (U)

A BIBLIOGRAPHY HAS BEEN COMPILED ON SHOCK WAVE
PROPAGATION IN SOLIDS. THE EFFECTS OF EXPLOSIVE
BLAST WAVES AND/OR HYPERVELOCITY IMPACT ON PLASTIC,
VISCOELASTIC, AND ELASTOPLASTIC SOLIDS HAVE ALSO BEEN
INCLUDED. A DETAILED SUBJECT INDEX IS PROVIDED.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 491
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
PLASMA JET WELDING, COATING, AND CUTTING: AN
ANNOTATED BIBLIOGRAPHY, (U)
FEB 63 20P BUGINAS,COMP.BY SCOTT J.;
REPT. NO. S 73 63 41

UNCLASSIFIED REPORT

DESCRIPTORS: (*PLASMA JETS, WELDING), (*COAT
INGS, PLASMA JETS), (*CUTTING TOOLS, PLASMA
JETS), (*BIBLIOGRAPHIES, PLASMA JETS), ELEC
TRODES, CATHODES, BEARINGS, ALLOYS, CORROSION
INHIBITION, MACHINING, FLAME SPRAYING, UNDER
WATER CUTTING, TOXICITY, TORCHES, PROCESSING. (U)
IDENTIFIERS: 1963. (U)

THE SEARCH WAS MADE IN THE LITERATURE OF 1960
1962. NEWS-RELEASE TYPE ARTICLES WERE INCLUDED
BECAUSE OF OUR INTEREST IN MANUFACTURING APPLICA
TIONS. ANONYMOUS ARTICLES ARE INTERFILED ALPHA
BETICALLY BY TITLE WITHIN THE BIBLIOGRAPHY WHICH IS
ARRANGED ALPHABETICALLY BY AUTHOR. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 558
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
EPITAXIAL GROWTH; AN ANNOTATED BIBLIOGRAPHY, (U)
APR 63 69P ABBOTT,COMP.BY HELEN M.;
KERRIGAN,JAMES V.;
REPT. NO. SPECIAL BIBLIOGRAPHY SB63 32;

UNCLASSIFIED REPORT

DESCRIPTORS: (*EPITAXIAL GROWTH, BIBLIOG
RAPHIES), (*CRYSTAL GROWTH, BIBLIOGRAPHIES),
PROCESSING, THIN FILMS (STORAGE DEVICES),
SINGLE CRYSTALS, THICKNESS, SILICON, ARSENIC,
ANTIMONY, BISMUTH, COPPER, REACTION KINETICS,
FILMS, GERMANIUM, VAPORIZATION, DIFFUSION,
QUALITY CONTROL, DIAMONDS. (U)
IDENTIFIERS: 1963. (U)

THIS COMPILATION CONTAINS 169 SELECTED REFER ENCES
AND A PREFACE ON EPITAXIAL CRYSTAL GROWTH. INCLUDED
ARE SUCH FACTORS AS CRYSTAL GROWTH AND FORMATION,
VAPOR GROWTH, TWINNING, AND THIN FILM PROCESSES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 845
NATIONAL BUREAU OF STANDARDS WASHINGTON D C
RESEARCH ON CRYSTAL GROWTH AND DEFECT
CHARACTERIZATION AT THE NATIONAL BUREAU OF STANDARDS
DURING THE PERIOD JULY TO DECEMBER 1962, (U)
MAR 63 32P PEISER,H. STEFFEN ;
MONITOR: NBS TN174

UNCLASSIFIED REPORT
DISTRIBUTION: AVAILABLE FROM GPO WASHINGTON, 25,
D. C.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CRYSTAL GROWTH, REVIEWS), (*CRYSTAL
LATTICE DEFECTS, REVIEWS), (*REVIEWS, CRYSTAL GROWTH),
OPTICAL PROPERTIES, CRYOGENICS, EPITAXIAL GROWTH,
REACTION KINETICS, CRYSTALLIZATION, INSTRUMENTATION,
METALLIC CRYSTALS, CRYSTALS, SINGLE CRYSTALS,
POLYMERS, MAGNETIC PROPERTIES, SURFACE PROPERTIES,
CRYSTAL STRUCTURE, ABSTRACTS, BIBLIOGRAPHIES (U)
IDENTIFIERS: WHISKERS, 1963 (U)

THIS NOTE DESCRIBES PRINCIPALLY THE INDIVIDUAL
NBS RESEARCH ACTIVITIES DURING JULY TO DECEMBER
1962 COUPLED WITH STATEMENTS ON THE MOST IMMEDIATE
PLANS AT THE END OF THAT PERIOD. AN INTRODUCTORY
SECTION IS FOLLOWED BY TWO OTHER BRIEF GENERAL
SECTIONS DESCRIBING THE PROGRAM AREA AND THE NBS
BACKGROUND INTEREST IN THE FIELD OF CRYSTAL GROWTH
AND CHARACTERIZATION. A LIST OF NBS PUBLICATIONS
APPERTAINING TO THE PERIOD UNDER REVIEW AND A PARTIAL
LIST OF PARTICIPANTS ARE APPENDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 440
DOUGLAS AIRCRAFT CO INC SANTA MONICA CALIF
BIBLIOGRAPHY ON BOUNDARY LAYER TRANSITION, (U)
AUG 63 13P DEEM,RALPH E. I
REPT. NO. SM43059
CONTRACT: AF33 657 10660

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BOUNDARY LAYER TRANSITION, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, BOUNDARY LAYER TRANSITION), LAMINAR FLOW, TURBULENCE, FLATE PLATE MODELS, CYLINDERS, BODIES OF REVOLUTION, FLOW VISUALIZATION (U)
IDENTIFIERS: 1963 (U)

A LIST OF ONE HUNDRED SEVENTEEN DOCUMENTS IS PRESENTED THAT RELATE TO THE SUBJECT OF BOUNDARY LAYER TRANSITION. THE DOCUMENTS ARE SEGREGATED INTO CATEGORIES OF REVIEWS AND CORRELATIONS, THEORY, NATURAL TRANSITION ON FLAT PLATES, NATURAL TRANSITION ON BODIES, GENERAL BOUNDARY LAYER INFORMATION, TRIPPING, AND FLOW VISUALIZATION TECHNIQUES. THE BULK OF THE REPORTS IN THE BIBLIOGRAPHY WERE PUBLISHED DURING THE TEN YEAR PERIOD ENDING AUGUST 1963. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 701
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
AN ANNOTATED BIBLIOGRAPHY OF SOVIET LITERATURE ON MASERS AND LASERS, (U)
SEP 63 68P BLAU,E. J. ;
REPT. NO. TG230B1
CONTRACT: NOW62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MASERS, BIBLIOGRAPHIES), (*LASERS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, MASERS), ABSTRACTS, SUBJECT INDEXING (U)
IDENTIFIERS: 1963 (U)

THIS BIBLIOGRAPHY LISTS AND ABSTRACTS ALL OF THE SOVIET LITERATURE DEALING DIRECTLY WITH MASERS AND LASERS PUBLISHED BEFORE 1963. PERIPHERAL ARTICLES, ARTICLES WHICH SERVE AS PARTIAL FOUNDATION AND GENERAL BACKGROUND TO THE SUBJECT, HAVE BEEN OMITTED. THE EARLIEST REFERENCE IS THE DOCTORAL DISSERTATION BY V. A. FABRIKANT, DATED 1939. REFERENCES ARE GIVEN TO A FEW TRANSLATIONS DATED 1963, BUT IN ALL CASES THE ORIGINALS WERE PUBLISHED PRIOR TO THE END OF 1962. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-422 890
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
NONLINEAR FIELD THEORIES (ANNOTATED BIBLIOGRAPHY). (U)
DESCRIPTIVE NOTE: REPT. JAN 58-FEB 63.
OCT 63 36P
MONITOR: AID 863 115

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*FIELD THEORY, NON-LINEAR SYSTEMS), (*BIBLIOGRAPHIES, FIELD THEORY), PLASMA MEDIUM, MATHEMATICAL MODELS, FERMIONS, GRAVITY, EQUATIONS, ELEMENTARY PARTICLES, ANTI-PROTONS, PERTURBATION THEORY, PIONS, QUANTUM STATISTICS, SCATTERING, POLARIZATION, BOSONS, OSCILLATION, DIFFUSION (U)
IDENTIFIERS: 1963 (U)

A PRELIMINARY SURVEY OF SOVIET-BLOC MATERIALS ON NONLINEAR FIELD THEORIES (ELEMENTARY PARTICLES) IS PRESENTED. IT CONSISTS OF ANNOTATIONS TO 81 ARTICLES AND 2 BOOKS FROM THE PERIOD JANUARY 1958FEBRUARY 1963. THE ENTRIES ARE ARRANGED BY YEAR AND WITHIN THE YEAR BROKEN DOWN ALPHABETICALLY BY AUTHOR. A LIST OF THE PERIODICALS EMPLOYED IN PREPARING THE REPORT WILL BE FOUND BEFORE THE AUTHOR INDEX, TOGETHER WITH THEIR LIBRARY OF CONGRESS CALL NUMBERS; THE CALL NUMBERS OF THE BOOKS ARE GIVEN IN THE BODY OF THE REPORT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-423 294
MINNESOTA UNIV MINNEAPOLIS INST OF TECH
ANNOTATED BIBLIOGRAPHY ON ELASTIC WAVES, (U)
SEP 63 14P DOOLEN,R. B. (ANTMAN,S. (
CONTRACT: NOBS86783

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON RESPONSE OF LARGE ELASTIC BODIES TO VIBRATORY FORCES ON SMALL AREAS.

DESCRIPTORS: (*BIBLIOGRAPHIES, MECHANICAL WAVES), (*MECHANICAL WAVES, BIBLIOGRAPHIES), ELASTICITY, PROPAGATION, STRESSES, RODS (U)
IDENTIFIERS: 1963, ELASTIC WAVES, RAYLEIGH WAVES (U)

THIS ANNOTATED BIBLIOGRAPHY IS THE RESULT OF A LITERATURE SEARCH FOR METHODS OF SOLUTION OF SINUSOIDALLY EXCITED, STEADY STATE, ELASTIC WAVE PROPAGATION IN EXTENSIVE ELASTIC BODIES. TRANSIENT EFFECTS WERE EXCLUDED. PAPERS ON FINITE SYSTEMS SUCH AS BEAMS WITH DIFFERENT END CONDITIONS, PLATES AND SHELLS WERE EXCLUDED UNLESS THEY CONTRIBUTED METHODS USEFUL FOR THE WAVE PROPAGATION PROBLEM. THE ANALYSIS OF DISSIPATIVE MEDIA WAS NOT SPECIFICALLY EXCLUDED BUT LITTLE WAS FOUND. THE PAPERS ARE ROUGHLY DIVIDED INTO TWO MAIN CLASSIFICATIONS: THOSE DEALING WITH SPECIFIC WAVE PROPAGATION PROBLEMS AND HOSE DEALING WITH MORE GENERAL METHODS APPLICABLE TO A WIDE CLASS OF PROBLEMS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-423 735
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
SUPERCONDUCTIVITY, 1961-1962: AN ANNOTATED
BIBLIOGRAPHY, SUPPLEMENT 1, (U)
91P GOLDMANN,COMP. BY JACK B. ;
REPT. NO. 6 90 63 43 ,SB63 33

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SUPERCONDUCTORS, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, SUPERCONDUCTORS), ABSTRACTS (U)
IDENTIFIERS: 1963 (U)

CURRENT THEORY, PROPERTIES AND APPLICATIONS OF SUPERCONDUCTORS AS PRESENTED IN THE LITERATURE FOR THE YEARS 1961-1962 ARE COVERED IN THIS ANNOTATED BIBLIOGRAPHY. THE 196 ENTRIES, REPRESENTING ENGLISH AND FOREIGN LANGUAGE PUBLICATIONS ARE ARRANGED IN ALPHABETICAL SEQUENCE ACCORDING TO AUTHOR. AUTHOR AND SUBJECT INDEXES FACILITATE LOCATION OF SPECIFIC ITEMS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 135
WASHINGTON UNIV SEATTLE
CHEMICAL ACTIVATION, (U)
JAN 64 IV RABINOVITCH,B. S. ;
FLOWERS,M. C. ;
CONTRACT: NONR47736
TASK: 051 217

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*REVIEWS, HEAT OF ACTIVATION), (*HEAT OF ACTIVATION, CHEMICAL REACTIONS), (*MOLECULES, HEAT OF ACTIVATION), (*CHEMICAL REACTIONS, HEAT OF ACTIVATION), EXCITATION, REACTION KINETICS, SURFACES, ENERGY, DECOMPOSITION, MOLECULAR ASSOCIATION, EXCHANGE REACTIONS, LUMINESCENCE, RECOMBINATION REACTIONS, DISPLACEMENT REACTIONS, CYCLOALKANES, HYDROGEN, NITROGEN, OXYGEN, CHLORINE, DISSOCIATION, BIBLIOGRAPHIES, ALKENES, MONOCYCLIC COMPOUNDS, HIGH-TEMPERATURE RESEARCH, MOLECULAR ISOMERISM, NITROGEN COMPOUNDS, CHLORINE COMPOUNDS, CRYOGENICS, CHLORIDES, OXIDES (U)

THIS REVIEW BRINGS TOGETHER KNOWN EXAMPLES OF CHEMICAL ACTIVATIONS SYSTEMS, WHICH HAVE BEEN ACCUMULATING INCREASINGLY IN RECENT YEARS, IN ORDER TO CLARIFY THEIR NATURE AND TO EXEMPLIFY THEIR USEFULNESS. THE MAJOR EMPHASIS IS ON ACTIVATED MOLECULES PRODUCED IN ELECTRONIC GROUND STATES: THESE ARE THE SIMPLEST SYSTEMS. BRIEF MENTION OF SOME REACTIONS INVOLVING ELECTRONIC EXCITATION WILL BE GIVEN, HOWEVER, SINCE THESE INCLUDE IMPORTANT EXAMPLES OF CHEMICAL ACTIVATION. SOME SYSTEMS, SUCH AS ATOM RECOMBINATION, HAVE BEEN STUDIED IN GREAT DETAIL IN RECENT YEARS AND CANNOT BE CONSIDERED HERE AT LENGTH. ION-MOLECULE ACTIVATION REACTIONS ARE ARBITRARILY OMITTED. MANY CHEMICAL ACTIVATION SYSTEMS ARE NOT AMENABLE TO USEFUL DISCUSSION, EITHER BECAUSE OF THEIR COMPLEXITY OR BECAUSE INSUFFICIENT DATA ARE AVAILABLE. ONLY SOME OF THESE NEED BE MENTIONED. THE PRESENT REVIEW IS NOT CONCERNED WITH EXPERIMENTAL TECHNIQUES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 157
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
LUMINESCENCE OF COMPLEX MOLECULES. ANNOTATED BIBLIOGRAPHY BASED ON SOVIET OPEN LITERATURE. (U)
DESCRIPTIVE NOTE: REPT. NO. 1, JULY-DEC 62.
DEC 63 74P
MONITOR: AID B63 126

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COMPLEX COMPOUNDS, LUMINESCENCE), (*LUMINESCENCE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, LUMINESCENCE), (*FLUORESCENCE, BIBLIOGRAPHIES), EXCITATION, LIFE EXPECTANCY, QUANTUM MECHANICS, DYES, LASERS, MOLECULAR SPECTROSCOPY, ABSTRACTS (U)
IDENTIFIERS: 1963, USSR, CHEMILUMINESCENCE (U)

THIS BIBLIOGRAPHY IS BASED ON SOVIET OPEN-SOURCE MATERIALS AVAILABLE AT THE AEROSPACE INFORMATION DIVISION AND THE LIBRARY OF CONGRESS AND COVERS THE PERIOD FROM JULY THROUGH DECEMBER 1962. BECAUSE OF ITS BROAD IMPLICATIONS, PERTINENT INFORMATION APPEARING BETWEEN JANUARY AND JUNE 1962 WAS ALSO INCLUDED AS WELL AS REFERENCES IN SOME ENTRIES TO EARLIER WORK ON THE SAME SUBJECT. THE SUBJECTS OF ELECTRONIC AND VIBRATIONAL SPECTRA OF COMPLEX ORGANIC MOLECULES, LIFETIME OF EXCITED STATES, QUANTUM YIELD, QUENCHING, POLARIZATION, AND KINETICS OF LUMINESCENCE OF COMPLEX ORGANIC MOLECULES ARE COVERED. CERTAIN PHYSICAL PROPERTIES OF MATTER RELEVANT TO LUMINESCENCE AND WITH THEORETICAL ASPECTS OF MOLECULAR SPECTROSCOPY, INTERNAL ENERGY-CONVERSION PROCESSES, AND INTRA- OR INTERMOLECULAR ENERGY TRANSFER IN LUMINESCENT COMPLEX ORGANIC MOLECULES ARE ALSO PRESENTED. APPLICATIONS ARE INCLUDED OF LUMINESCENCE, MAINLY TO GENERATION OF COHERENT LIGHT (LASERS). ANNOTATIONS HAVE BEEN PROVIDED IN ALL CASES WHERE ABSTRACTS ARE NOT AVAILABLE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 339
MIDWEST RESEARCH INST KANSAS CITY MO
THE STRUCTURE AND STRENGTH OF EPITAXIAL FILMS. (U)
DESCRIPTIVE NOTE: BIMONTHLY PROGRESS REPT. NO. 1, 17
OCT-17 DEC 63,
JAN 64 18P LAVIK,MELVIN ;
CUNNINGHAM,ARTHUR ;
CONTRACT: NOW64 00610
PROJ: 2742P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*EPITAXIAL GROWTH, FILMS), (*FILMS, SINGLE CRYSTALS), *(*REVIEWS, FILMS), (*BIBLIOGRAPHIES, FILMS), CRYSTAL GROWTH,, SINGLE CRYSTALS, SCIENTIFIC RESEARCH, CRYSTAL LATTICE DEFECTS, IMPURITIES, MECHANICAL PROPERTIES (U)
IDENTIFIERS: 1964 (U)

LITERATURE HAS BEEN REVIEWED AND CATEGORIZED WITH A CODING SYSTEM. A SUMMARY OF THE LITERATURE IS INCLUDED ALONG WITH A BRIEF OUTLINE OF FUTURE WORK TO BE ACCOMPLISHED DURING THE SECOND REPORT PERIOD. THE CODED BIBLIOGRAPHY CONTAINING APPROXIMATELY ONE HUNDRED REFERENCES IS INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 728
UNITED STATES RUBBER CO WAYNE N J
LITERATURE SEARCH INTO METHODS OF DAMPING OUT
INCIPIENT TURBULENCE IN THE FLOW OF LIQUIDS. (U)
DESCRIPTIVE NOTE: FINAL REPT.,
JAN 64 1V THOMPSEN,J. (BOGGS,F. W. (
TOKITA,N. (
CONTRACT: DA30 069AMC287T
PROJ: RC100 63 23

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*TURBULENCE, FLUID FLOW), (*LIQUIDS, DAMPING), (*DAMPING, BIBLIOGRAPHIES), (*BIBLIOGRAPHICS, DAMPING), (*ABSTRACTS, DAMPING), LAMINAR FLOW, TURBULENT BOUNDARY LAYER, INCOMPRESSIBLE FLOW, FLAT PLATE MODELS, PIPES, TRANSITION TEMPERATURE, COATINGS (U)
IDENTIFIERS: 1964 (U)

THE PROBLEM OF DELAYING TRANSITION FROM LAMINAR TO TURBULENT FLOW HAS LONG BEEN UNDER INVESTIGATION. THIS REPORT PRESENTS A BIBLIOGRAPHY ON THE WORK THAT HAS BEEN DONE FOR THE LAST 40 TO 50 YEARS ON THIS PROBLEM OF TRANSITION, SPECIFICALLY FOR INCOMPRESSIBLE FLOW, OVER FLAT PLATES OR IN PIPES. THE ARTICLES INCLUDED IN THIS LIST ARE CONCERNED WITH TWO QUESTIONS: (1) WHAT IS THE MECHANISM OF TRANSITION, AND (2) HOW CAN TRANSITION BE DELAYED. ALTHOUGH AN EXTENSIVE AMOUNT OF WORK HAS BEEN DONE AND IS STILL BEING DONE ON THE PROBLEM OF DELAYING TRANSITION ON RELATIVELY FLAT SURFACES BY MEANS OF COMPLIANT COATINGS, IT DOES NOT APPEAR FEASIBLE TO EXTEND THIS METHOD TO PIPES EXCEPT TO A LIMITED EXTENT. HOWEVER, RECENT WORK HAS INDICATED THAT THE ADDITION OF NONNEWTONIAN ADDITIVES TO THE FLOW MAY BE A PROMISING WAY OF DELAYING TRANSITION IN PIPING SYSTEMS, SUCH AS HYDRAULIC LINE, NORMALLY FOUND IN INDUSTRY. IT SHOULD BE NOTED THAT REDUCTION OF NOISE IN PIPES IS POSSIBLE WITH THE USE OF FLEXIBLE SURFACES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 795
MARYLAND UNIV COLLEGE PARK
MANY-BODY PROBLEM. (U)
DESCRIPTIVE NOTE: REPT. FOR DEC 62-DEC 63,
DEC 63 9P FERRELL,RICHARD A. ;
CONTRACT: NONR1797 00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NUCLEAR PHYSICS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NUCLEAR PHYSICS), BREMSSTRAHLUNG, ISOTOPES, NUCLEAR SPINS, NUCLEAR RESONANCE, THEORY, DYNAMICS, ERBIUM, NUCLEONS, DAMPING, VIBRATION, ROTATION, NUCLEAR REACTIONS, PHOTONUCLEAR REACTIONS, ANALYSIS (U)
IDENTIFIERS: 1963, MANY-BODY PROBLEM (U)

BIBLIOGRAPHY ON NUCLEAR PHYSICS, APPLICABLE TO THE MANY-BODY PROBLEM.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-430 549
GEORGIA INST OF TECH ATLANTA ENGINEERING EXPERIMENT STATION
MANUSCRIPT OF CATALOGUE, VOLUME 9. A SECOND RADIO FREQUENCY INTERFERENCE BIBLIOGRAPHY, WITH ABSTRACTS. ELECTRONIC EQUIPMENT INTERFERENCE CHARACTERISTICS-COMMUNICATION TYPE, (U)
DEC 63 382P WOOD,E. W. (ROSE,J. W. (
CONTRACT: DA36 039AMC02294E
PROJ: 3B24 01 001,A678

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADIOFREQUENCY INTERFERENCE, BIBLIOGRAPHIES), (*ELECTRONIC EQUIPMENT, RADIOFREQUENCY INTERFERENCE), (*BIBLIOGRAPHIES, RADIOFREQUENCY INTERFERENCE), ABSTRACTS, PULSE COMMUNICATION SYSTEMS, ELECTROMAGNETIC WAVES, INDEXES (U)
IDENTIFIERS: 1963 (U)

THIS BIBLIOGRAPHY, WITH ABSTRACTS, IS THE RESULT OF A CONTINUED LITERATURE SEARCH BEING CONDUCTED IN CONJUNCTION WITH THE MEASUREMENTS PORTION ON A RESEARCH PROGRAM FOR DEVELOPING TESTS AND TEST PROCEDURES FOR DETERMINING THE INTERFERENCE CHARACTERISTICS OF U. S. ARMY PULSE TYPE COMMUNICATIONS SYSTEMS. THE BIBLIOGRAPHY CONTAINS OVER 1150 TITLES, SUMMARIES, AND ABSTRACTS OF PUBLISHED WORKS RELATED TO RADIO FREQUENCY INTERFERENCE AND ELECTROMAGNETIC COMPATIBILITY DURING THE PERIOD FROM JANUARY 1960 TO JUNE 1963. THE ACCUMULATED REFERENCES FROM MORE THAN 50 SOURCES SHOULD BE USEFUL IN ALL PHASES OF RFI INVESTIGATIONS RANGING FROM THE PRACTICAL ELIMINATION OF TVI TO THE THEORETICAL DISCUSSION OF SIGNAL DETECTION FOR VARIOUS INTERFERENCE ENVIRONMENTS. AN AUTHOR INDEX AND A SUBJECT INDEX CONTAINING 68 CATEGORIES ARE INCLUDED TO AID THE RESEARCHER IN FINDING PERTINENT SUBJECT INFORMATION. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 286
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
SUPERSONIC AND HYPERSONIC FLOW. ANNOTATED BIBLIOGRAPHY OF SOVIET LITERATURE. (U)
JAN 64 93P
MONITOR: AID B64 3, 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*HYPERSONIC FLOW, BIBLIOGRAPHIES), (*SUPERSONIC FLOW, BIBLIOGRAPHIES), (*AERODYNAMIC CONFIGURATIONS, FLUID FLOW), BOUNDARY LAYER, BOUNDARY LAYER PROBLEMS, SHOCK WAVES, TURBULENCE, NOZZLES, DIFFUSERS, WIND TUNNELS, BLUNT BODIES, WEDGES, SPIKES, ABLATION, HEAT TRANSFER, COMPRESSIBLE FLOW, GAS FLOW, SLENDER BODIES, DISKS, STRUCTURAL SHELLS, BODIES OF REVOLUTION, LIFT, DRAG, GEOMETRIC FORMS, CURVED PROFILES, CYLINDRICAL BODIES (U)
IDENTIFIERS: 1943, 1963, 1964, USSR, FREE MOLECULAR FLOW, POTENTIAL FLOW THEORY (U)

THIS REPORT IS DIVIDED INTO THREE MAIN SECTIONS: AERODYNAMICS, GASDYNAMICS, AND GENERAL FLOW PHENOMENA. AN ATTEMPT IS MADE IN THE FIRST SECTION TO COVER DYNAMIC PHENOMENA ASSOCIATED WITH THE HIGH-VELOCITY FLOW OF GASES OVER BODIES, INCLUDING RAREFIED AND FREE-MOLECULAR FLOW. THE SECOND SECTION COVERS THE PROBLEMS ASSOCIATED WITH INTERNAL FLOW, E. G., FLOW IN NOZZLES, WIND TUNNELS, AND SHOCK TUBES. SIMILARITY CONCEPTS ARE ALSO INCLUDED IN THIS SECTION. THE THIRD SECTION DEALS WITH GENERAL FLOW PHENOMENA AT SUPERSONIC AND HYPERSONIC VELOCITIES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 608
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
WIND WAVES AND SEA SLOPE MEASUREMENT: AN ANNOTATED
BIBLIOGRAPHY, (U)
61P STROMER,PETER R. ;
REPT. NO. 6 90 63 78 ,SRP63 4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*WATER WAVES, BIBLIOGRAPHIES), WIND,
AERIAL PHOTOGRAPHY, LIGHT, LIGHT TRANSMISSION, OCEAN
WAVES, OCEANOLOGY, UNDERWATER LIGHT, UNDERWATER
PHOTOGRAPHY, WIND TUNNELS (U)
IDENTIFIERS: 1963, SEA SLOPE (U)

THIS BIBLIOGRAPHY CITES 134 REFERENCES ON THE
RELATED SUBJECTS OF WIND WAVES AND SEA SLOPE
MEASUREMENT. OCEANOGRAPHIC MEASUREMENTS REPORTED
IN THE BIBLIOGRAPHY HAVE EMPHASIZED OPTICAL
TECHNIQUES, LIGHT TRANSMISSION IN SEA WATER, ETC.
THE PERIOD OF LITERATURE COVERAGE IS FROM 1948
THROUGH JUNE 1963. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-434 712
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
DETECTION OF THE TRIPLET STATE BY EPR AND OTHER METHODS. COMPILATION OF ABSTRACTS BASED ON SOVIET OPEN LITERATURE. (U)
MAR 64 44P
MONITOR: AID P64 17

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ABSTRACTS, SPECTROSCOPY), (*LUMINESCENCE, ABSTRACTS), (*BIBLIOGRAPHIES, LUMINESCENCE), (*REVIEWS, SPECTROSCOPY), DYES, ATOMIC ENERGY LEVELS, ALKALI METAL COMPOUNDS, EXCITATION, ELECTRON TRANSITIONS, LINE SPECTRUM (U)
IDENTIFIERS: 1964, ELECTRON PROTON RESONANCE, TRIPLET STATE, USSR (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-436 090
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
AERODYNAMIC HEATING AND OTHER PARAMETERS AFFECTING
SPACE VEHICLE OPERATIONS: AN ANNOTATED
BIBLIOGRAPHY, (U)
FEB 63 44P GROS,CHARLES G. :
REPT. NO. 63 18,REPT. NO. 3 35 63 2
CONTRACT: AF04 647 673

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, AERODYNAMIC HEATING),
(*AERODYNAMIC HEATING, BIBLIOGRAPHIES), SPACECRAFT,
GUIDED MISSILES (SURFACETO-SURFACE), ABSTRACTS (U)
IDENTIFIERS: 1963 (U)

SINCE THIS WORK TREATS OF A COMPLEX OF SPACE
ENVIRONMENTAL PARAMETERS HAVING IN COMMON THE
INCLUSION OF AERODYNAMIC HEATING AS ONE OF THOSE
PARAMETERS, MATERIAL DEALING WITH AERODYNAMIC HEATING
AS AN ISOLATED PHENOMENON HAS NOT BEEN INCLUDED.
THE ABSTRACTS ARE ARRANGED ALPHABETICALLY BY
AUTHOR. CORPORATE AUTHOR, PERSONAL AUTHOR, AND
SUBJECT INDEXES ARE INCLUDED. THE PERIOD COVERED,
WITH ONE EARLIER EXCEPTION, IS FROM 1959 THROUGH
1962. THE RESOURCES OF THE TECHNICAL
INFORMATION CENTER, LOCKHEED MISSILES AND
SPACE COMPANY, WERE UTILIZED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-437 308
NATIONAL BUREAU OF STANDARDS WASHINGTON D C
RESEARCH ON CRYSTAL GROWTH AND CHARACTERIZATION AT
THE NATIONAL BUREAU OF STANDARDS, JULY TO DECEMBER
1963, (U)
APR 64 67P PEISER,H. STEFFEN ;
MONITOR: NBS TN236

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ALSO AVAILABLE FROM GOVERNMENT
PRINTING OFFICE, WASH., D. C. PRICE $.40.

DESCRIPTORS: (*CRYSTAL GROWTH, SCIENTIFIC
RESEARCH), ABSTRACTS, DOCUMENTATION, PHYSICAL
PROPERTIES, RESEARCH PROGRAM ADMINISTRATION,
SCIENTIFIC PERSONNEL, CRYSTAL STRUCTURE, CRYSTAL
LATTICE DEFECTS, MATERIALS, SPECTROSCOPY,
SUPERCONDUCTIVITY, CHEMISTRY, NUCLEAR MAGNETIC
RESONANCE, BIBLIOGRAPHIES, CRYSTALLIZATION (U)

THE NATIONAL BUREAU OF STANDARDS WITH PARTIAL
SUPPORT FROM THE ADVANCED RESEARCH PROJECTS
AGENCY IS CONTINUING DIVERSE RESEARCH PROJECTS ON
THE GROWTH AND CHARACTERIZATION OF CRYSTALS. THIS
NOTE SUMMARIZES THE INDIVIDUAL NBS ACTIVITIES IN
THIS AND CLOSELY RELATED FIELDS DURING JULY TO
DECEMBER, 1963. LISTS OF NBS PUBLICATIONS
APPERTAINING TO THAT PERIOD AND OF PARTICIPATING
NBS SCIENTISTS ARE APPENDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-438 180
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
SUPERCONDUCTIVITY JANUARY-JUNE 1963: AN ANNOTATED
BIBLIOGRAPHY, (U)
118P GOLDMANN,JACK B. :
REPT. NO. 6 90 63 79 ,SRB 63 5

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SUPERCONDUCTIVITY, BIBLIOGRAPHIES),
SUPERCONDUCTORS, CONDUCTIVITY, TRANSITION TEMPERATURE,
MAGNETIC FIELDS, DEFORMATION, THEORY (U)
IDENTIFIERS: THIN FILMS (U)

CURRENT THEORY, PROPERTIES, AND APPLICATIONS OF
SUPERCONDUCTORS AS PRESENTED IN THE LITERATURE FROM
JANUARY TO JUNE 1963, ARE COVERED IN THIS
ANNOTATED BIBLIOGRAPHY. THE 242 ENTRIES,
REPRESENTING ENGLISH AND FOREIGN LANGUAGE
PUBLICATIONS, ARE LISTED ALPHABETICALLY BY AUTHOR.
TO FACILITATE LOCATION OF SPECIFIC TERMS, AUTHOR
AND SUBJECT INDEXES ARE INCLUDED. THIS WORK IS THE
THIRD IN A SERIES OF BIBLIOGRAPHIES REPORTING CURRENT
PUBLICATIONS IN THE FIELD OF SUPERCONDUCTIVITY.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-438 181
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
SUPERCONDUCTIVITY, 1961-1962: AN ANNOTATED
BIBLIOGRAPHY, (U)
APR 63 206P GOLDMANN,JACK B. :
REPT. NO. 6 90 63 43 SB63 33

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SUPERCONDUCTIVITY, BIBLIOGRAPHIES),
TRANSITION TEMPERATURE, DEFORMATION, THERMAL
CONDUCTIVITY, SUPERCONDUCTORS, THEORY (U)
IDENTIFIERS: THIN FILMS (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-447 717
FEDERAL AVIATION AGENCY WASHINGTON D C
SONIC BOOM BIBLIOGRAPHY, (U)
SEP 64 11P FRIEDMAN,ROBERT K. ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SONIC BOOM, BIBLIOGRAPHIES),
(*BIBLIOGRAPHIES, SONIC BOOM), URBAN AREAS, ATTITUDES,
SUPERSONIC FLIGHT, TRANSPORT PLANES (U)
IDENTIFIERS: 1964 (U)

THIS BIBLIOGRAPHY ON SONIC BOOM HAS BEEN COMPILED IN RESPONSE TO A SPECIFIC REQUEST. NO CLAIM IS MADE THAT THESE 193 CITATIONS COMPRISE AN EXHAUSTIVE OR CRITICAL COMPILATION. THE INCLUSION OF ANY REFERENCE TO MATERIAL IS NOT TO BE CONSTRUED AS AN ENDORSEMENT OF THE INFORMATION CONTAINED IN THAT MATERIAL. THE REFERENCE SEARCH WAS COMPLETED AUGUST 28, 1964. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 321
BATTELLE MEMORIAL INST COLUMBUS OHIO
LATERAL VIBRATIONS IN MISSILES: A BIBLIOGRAPHY, (U)
47P HURLBERT,L. E. (BELTON,W. L.
(ATTERBURY,T. J.)
CONTRACT: DA01 021AMC203Z
MONITOR: RSIC 266

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*VIBRATION, DAMPING), (*BIBLIOGRAPHIES, VIBRATION), GUIDED MISSILES, CYLINDRICAL BODIES, BEAMS (STRUCTURAL), MATERIALS, STRUCTURAL SHELLS (U)
IDENTIFIERS: LATERAL VIBRATIONS, TRANSVERSE VIBRATIONS, CYLINDRICAL SHELLS (U)

THIS BIBLIOGRAPHY CONSISTS OF 377 ENTRIES, AND CONTAINS THE RESULTS OF A TITLE SURVEY CONDUCTED TO OBTAIN LITERATURE RELATED TO THE PROBLEM OF DAMPING THE TRANSVERSE VIBRATION OF LARGE MISSILES. THE TITLES ARE GROUPED INTO THREE CATEGORIES COVERING FREE VIBRATIONS, DAMPED VIBRATIONS, AND MATERIAL DAMPING PROPERTIES. ONLY PAPERS PUBLISHED IN ENGLISH AFTER 1940 ARE INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 426
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
AN ANNOTATED BIBLIOGRAPHY ON PLASMAS IN CUSPED MAGNETIC FIELDS AND SIMILAR GEOMETRIES, (U)
AUG 64 46P BLAU,E. J. I
REPT. NO. TG23084
CONTRACT: NOW62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PLASMA MEDIUM, MAGNETIC FIELDS), (*MAGNETIC FIELDS, BIBLIOGRAPHIES), (*MAGNETOHYDRODYNAMICS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, MAGNETIC FIELDS), PLASMA PHYSICS, THERMONUCLEAR REACTIONS, GEOMETRY, ABSTRACTING (U)
IDENTIFIERS: CONTROLLED NUCLEAR FUSION, CUSPED GEOMETRY (U)

PLASMAS IN CUSPED MAGNETIC FIELDS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-461 643
NAVY UNDERWATER SOUND LAB NEW LONDON CONN
UNDERWATER REVERBERATION AS A FACTOR IN ASW
ACOUSTICS. (U)
SEP 64 115P BARAKOS,PETER A. I
REPT. NO. 620
PROJ: 1 405 00 00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*UNDERWATER SOUND, SYMPOSIA), (*SYMPOSIA, UNDERWATER SOUND), VIBRATION, GREAT BRITAIN, CANADA, UNITED STATES, BIBLIOGRAPHIES, ANTISUBMARINE WARFARE, SCATTERING, OCEAN BOTTOM, SONAR RECEIVERS, PROPAGATION, FREQUENCY (U)
IDENTIFIERS: REVERBERATION (U)

IN SEPTEMBER 1961, EXPERTS ON REVERBERATION FROM THE UNITED STATES, THE UNITED KINGDOM, AND CANADA ATTENDED A FOUR-DAY SEMINAR AT THE NAVAL RESEARCH ESTABLISHMENT IN DARTMOUTH, NOVA SCOTIA. THIS REPORT PRESENTS A COMPREHENSIVE REVIEW OF THE DISCUSSIONS AT THE MEETING AND SUMMARIZES THE CONCLUSIONS AND RECOMMENDATIONS THAT REPRESENT BASICALLY THE IDEAS AND THOUGHTS OF A GROUP OF MANY OF THE FOREMOST AUTHORITIES ON REVERBERATION AND ITS MANY RAMIFICATIONS. THE AUTHOR HAS ADDED SOME MATERIAL, PRINCIPALLY ON THE STATISTICAL NATURE AND MECHANISMS OF REVERBERATION. ALSO INCLUDED IS AN EXTENSIVE BIBLIOGRAPHY DEALING WITH THE SUBJECT OF REVERBERATION. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-455 161
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
COMPOUND SEMICONDUCTORS. ANNOTATED BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: 'EPT. NO. 2, 1 JAN-1 JUL 63.
AUG 64 39P
REPT. NO. U 64 90
TASK: 12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: RENORT ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*SEMICONDUCTORS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SEMICONDUCTORS), USSR, MATERIALS, ELECTRICAL PROPERTIES, SEMICONDUCTING FILMS, ANTIMONY ALLOYS, ARSENIC ALLOYS, CRYSTALS, ELECTRICAL CONDUCTANCE, LUMINESCENCE, OXIDES, PHOSPHIDES, SELENIUM ALLOYS, SULFIDES, TELLURIUM ALLOYS (U)

THIS ANNOTATED BIBLIOGRAPHY IS BASED ON SOVIET OPEN-SOURCE MATERIAL AVAILABLE AT THE AEROSPACE TECHNOLOGY DIVISION AND THE LIBRARY OF CONGRESS, AND COVERS MAINLY THE PERIOD FROM 1 JANUARY TO 1 JULY 1963. IT IS SUPPLEMENTED BY THREE APPENDIXES: (1) A CLASSIFICATION OF ENTRIES BY KEY WORDS, (2) AN INDEX OF PERSONALITIES, AND (3) AN INDEX OF FACILITIES. ITEMS IN THESE THREE APPENDIXES ARE KEYED TO ENTRY NUMBERS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-455 166
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
ORGANIC SEMICONDUCTORS. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1960-1963.
JUL 64 47P
REPT. NO. U64 82

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*SEMICONDUCTORS, ORGANIC COMPOUNDS), (*BIBLIOGRAPHIES, SEMICONDUCTORS), USSR, PHTHALOCYANINES, CHLOROPHYLLS, POLYMERS, AROMATIC COMPOUNDS, ALKENES, VINYL PLASTICS, FERROCENES, PYRIDINES, NITRILES, COMPLEX COMPOUNDS ORGANIC SULFUR COMPOUNDS, METALORGANIC COMPOUNDS, QUINONES (U)
IDENTIFIERS: CHELATE COMPOUNDS, ALKYNES (U)

THIS PRELIMINARY BIBLIOGRAPHY IS BASED ON SOVIET OPEN SOURCE MATERIALS AVAILABLE AT THE AEROSPACE TECHNOLOGY DIVISION AND THE LIBRARY OF CONGRESS AND COVERS FIVE SOVIET PERIODICALS FOR THE PERIOD 1960-1963. THE PERIODICALS, ALONG WITH AVAILABLE TRANSLATION JOURNALS, ARE LISTED. LIBRARY OF CONGRESS CALL NUMBERS ARE PROVIDED FOR BOTH ORIGINAL SOURCES AND THE TRANSLATION JOURNALS. THESE JOURNALS WERE SELECTED FOR THE PRELIMINARY REPORT ON THE BASIS OF FREQUENCY OF REFERENCE TO THEM IN THE MAJOR BOOK FOUND ON THE SUBJECT, ORGANIC SKIYE POLUPROVODNIKI (ORGANIC SEMICONDUCTORS), MOSCOW, 1963, EDITED BY THE LATE ACADEMICIAN A. V. TOPCHIYEV. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 758
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
COMPOUND SEMICONDUCTORS. ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1961-1963.
JUN 64 148P
REPT. NO. AID U 64 58
TASK: 12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*SEMICONDUCTORS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SEMICONDUCTORS), USSR, CHEMIICAL COMPOUNDS (U)

THIS ANNOTATED BIBLIOGRAPHY IS BASED ON SOVIET OPEN SOURCE MATERIAL OF THE PERIOD FROM 1961 TO 1963. THE BIBLIOGRAPHY IS DIVIDED INTO THREE PARTS: (1) AIIIBV COMPOUNDS, (2) AIIBVI COMPOUNDS, AND (3) AIVBIV COMPOUNDS. SOURCES ARE GIVEN FOR ENGLISH TRANSLATIONS OR ABSTRACTS, WHICH ARE AVAILABLE FOR ALL THE PAPERS. THE ENTRIES ARE ARRANGED ALPHABETICALLY BY AUTHORS. THEORETICAL AND EXPERIMENTAL MATERIAL AND REVIEW ARTICLES WERE INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 759
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
LUMINESCENCE OF COMPLEX MOLECULES. ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: QUARTERLY REPT. NO. 1, JAN-MAR 63.
JUN 64 53P
REPT. NO. 2 U 64 59
TASK: 4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*LUMINESCENCE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, LUMINESCENCE), ABSTRACTS, USSR (U)

ANNOTATED BIBLIOGRAPHY OF SOVIETBLOC LITERATURE ON LUMINESCENCE COMPLEX MOLECULE.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 765
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
THEORETICAL PLASMA PHYSICS AND DYNAMICS. ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1958-MAY 64.
AUG 64 215P
REPT. NO. U64 83
TASK: 36A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PLASMA PHYSICS, BIBLIOGRAPHIES), (*USSR, PLASMA PHYSICS), THEORY, SHOCK WAVES, PROPAGATION, KINETIC THEORY, OSCILLATION, STABILITY, ABSTRACTING (U)

THIS REPORT HAS BEEN PREPARED IN RESPONSE TO ATD WORK ASSIGNMENT NO. 35, TASK 36A. IT IS A SURVEY IN THE FORM OF AN ANNOTATED BIBLIOGRAPHY OF SOVIET LITERATURE ON WAVE PROPAGATION IN PLASMA, SHOCK WAVES, AND THE KINETIC THEORY OF PLASMA. IT HAS BEEN COMPILED FROM OPEN LITERATURE ON PLASMA RESEARCH PUBLISHED IN THE SOVIET UNION AND SOVIET-BLOC COUNTRIES DURING THE PERIOD 1958 TO MAY 1964 AND AVAILABLE AT THE LIBRARY OF CONGRESS AND THE AEROSPACE TECHNOLOGY DIVISION. THE 452 ENTRIES ARE ARRANGED CHRONOLOGICALLY IN 6 SECTIONS ACCORDING TO SPECIFIC PROBLEMS IN ORDER TO PRESENT AN OUTLINE OF THE PROGRESS OF SOVIET RESEARCH IN THE FIELD. A LIST OF PERIODICALS EXPLOITED INCLUDING THEIR LIBRARY OF CONGRESS CALL NUMBERS IS GIVEN AT THE END. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 445
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
GROWTH OF SINGLE CRYSTALS. (U)
DESCRIPTIVE NOTE: ANNOTATED BIBLIOGRAPHY ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

MAY 64 72P
REPT. NO. ATD-U-64-46

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CRYSTAL GROWTH, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SINGLE CRYSTALS), (*SCIENTIFIC RESEARCH, EASTERN EUROPE), HIGH-PRESSURE RESEARCH (U)

THIS REPORT IS BASED ON SOVIET AND EAST EUROPEAN OPEN SOURCE MATERIALS AVAILABLE AT THE AEROSPACE INFORMATION DIVISION AND THE LIBRARY OF CONGRESS AND COVERS 1962. THE 126 ENTRIES ARE DIVIDED INTO TWO PARTS AND ARRANGED IN ALPHABETICAL ORDER BY AUTHOR WITHIN EACH PART, IN THE SAME MANNER AS IN THE FIRST REPORT. ANNOTATIONS HAVE BEEN PROVIDED IN ALL CASES WHERE ABSTRACTS ARE NOT AVAILABLE, EXCEPT IN THE CASES WHERE THE ORIGINAL SOURCES WERE NOT ON HAND. A MODIFIED FORMAT HAS BEEN SELECTED FOR THIS REPORT IN ORDER TO FACILITATE ITS USE. CODED TOPIC TAGS AND DESCRIPTORS ARE ASSIGNED TO EACH ENTRY. THE TOPIC TAGS LOCATED UNDER SUBJECT INDEX NO. AT THE BOTTOM OF EACH ENTRY REPRESENT THE BROAD AND THE NARROW CONCEPTS RELEVANT TO THE SUBJECT OF A PARTICULAR ENTRY, WHILE THE DESCRIPTORS REFLECT THE CONTENTS OF THE ARTICLE REPORTED AND ARE NOT NECESSARILY THE SAME AS TOPIC TAGS. EACH TOPIC TAG IS CODED USING A BINARY SYSTEM IN WHICH THE BROADER CONCEPT IS REPRESENTED BY A NUMBER AND THE LIMITING OR NARROW CONCEPT OR SUBCLASS BY A LETTER. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-461 871
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
PARTICLE-BEAM INTERACTION WITH PLASMA. COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.
APR 65 121P
REPT. NO. ATD-P-65-20

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PARTICLE BEAMS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, PARTICLE BEAMS), USSR, PLASMA PHYSICS, PLASMA OSCILLATIONS, MAGNETOHYDRODYNAMICS, EXCITATION, ELECTRON BEAMS, MAGNETIC FIELDS, CHARGED PARTICLES (U)

PARTICLE-BEAM INTERACTION WITH PLASMA.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 245
REDSTONE SCIENTIFIC INFORMATION CENTER REDSTONE ARSENAL ALA
LASERS, (U)
APR 64 42P CARAS,GUS J. I
REPT. NO. RSIC-195

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*LASERS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, LASERS), REVIEWS, RUBY, MEDICAL RESEARCH, DETECTION, COMMUNICATION SYSTEMS, GUIDANCE, MANUFACTURING METHODS, FIBER OPTICS, GALLIUM ALLOYS, INDIUM ALLOYS, SILICON ALLOYS, ARSENIDES, PHOSPHIDES, ANTIMONY ALLOYS, CRYOGENICS, PUMPING (ELECTRONICS), FREQUENCY (U)
IDENTIFIERS: OPTICAL PUMPING, FOUR-LEVEL LASERS, GAS LASERS, LIQUID LASERS, SEMICONDUCTOR LASERS, SOLID STATE LASERS (U)

THIS STATE-OF-THE-ART SURVEY CONSISTS OF TWO SECTIONS, A TECHNICAL SUMMARY AND A BIBLIOGRAPHY. ALTHOUGH THE BIBLIOGRAPHY, WHICH CONSISTS OF 125 REFERENCES AND COVERS THE PERIOD OF 1 JANUARY 1963 TO 31 DECEMBER 1963 DEALS MOSTLY WITH THE SUBJECT OF LASER PUMPING, THE SUMMARY REVIEWS OTHER TOPICS OF LASER TECHNOLOGY INCLUDING A DESCRIPTION OF THE VARIOUS TYPES OF LASERS AND THEIR POTENTIAL APPLICATIONS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 668
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
NOZZLE EXHAUST GASES + BASE FLOW MIXING
PHENOMENA. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,
OCT 59 9P CARROLL,K. D. ;
REPT. NO. SB-59-8

UNCLASSIFIED REPORT
DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES
EXHAUSTED.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (+JET MIXING FLOW, BIBLIOGRAPHIES),
(+BASE FLOW, BIBLIOGRAPHIES), ROCKET MOTOR NOZZLES,
NOZZLE GAS FLOW, EXHAUST GASES, SUPERSONIC FLOW,
TURBULENCE, VORTICES, TEMPERATURE, PRESSURE, VELOCITY,
HEAT TRANSFER (U)
IDENTIFIERS: BASE TEMPERATURE, BASE PRESSURE (U)

NOZZLE EXHAUST GASES BASE FLOW MIXING PHENOMENA.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 680
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
LIGHT, VISIBILITY AND VISION. (U)
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,
JUL 59 20P CARROLL,K. D. I
REPT. NO. SB-59-23

UNCLASSIFIED REPORT
DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES EXHAUSTED.
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, LIGHT), (*BIBLIOGRAPHIES, VISIBILITY), (*BIBLIOGRAPHIES, VISION), (*LIGHT, BIBLIOGRAPHIES), (*VISION, BIBLIOGRAPHIES), (*VISIBILITY, BIBLIOGRAPHIES), SCATTERING, MOON, VISUAL PERCEPTION, EYE, COLORS, CORRELATORS, XENON LAMPS, OPTICS, OPTICAL PROPERTIES, ATMOSPHERE, SMOKE SCREENS, OPTICAL TRACKING, SOLAR RADIATION (U)
IDENTIFIERS: STARLIGHT (U)

BIBLIOGRAPHY ON LIGHT, VISIBILITY, VISION.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-465 256
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
CHARGE-EXCHANGE COLLISIONS IN GASES. (U)
DESCRIPTIVE NOTE: COMPILATION OF ABSTRACTS ON SURVEYS OF SOVIETBLOC SCIENTIFIC AND TECHNICAL LITERATURE.
MAY 65 64P
REPT. NO. ATD-P-65-32
TASK: 37

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*GAS IONIZATION, SCIENTIFIC RESEARCH), (*KINETIC THEORY, SCIENTIFIC RESEARCH), (*ABSTRACTING, GAS IONIZATION), GASES, ATOMS, IONS, ELECTRONS, PLASMA PHYSICS, PLASMA MEDIUM, BIBLIOGRAPHIES, PERIODICALS, USSR, PROBABILITY, ION BEAMS (U)

THIS REPORT DEALS WITH SOVIET RESEARCH ON CHARGEEXCHANGE PROCESSES IN GASES COMPILED FROM THE PERIODICALS ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY FIZIKI (JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS) AND ZHURNAL TEKHNICHESKOY FIZIKI (JOURNAL OF TECHNICAL PHYSICS) FOR THE PERIOD 1930-1963. THE ABSTRACTS ARE ARRANGED ALPHABETICALLY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-465 678
MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND TECHNOLOGY
PROPAGATION OF SOUND IN AIR. (U)
DESCRIPTIVE NOTE: A BIBLIOGRAPHY WITH ABSTRACTS 1929-1963.

JUN 65 632P WESCOTT,JOHN W. I
KUSHNER,S. STEVEN I
REPT. NO. 2900-185-B
CONTRACT: DA36 039SC52 654 ,DA36 039SC78801
PROJ: 3D8801001

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SOUND TRANSMISSION, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SOUND TRANSMISSION), SOUND, PROPAGATION, ABSTRACTING, INDEXES, THEORY, SHOCK WAVES, ACOUSTICS, ACOUSTIC PROPERTIES, ABSORPTION, ACOUSTIC EQUIPMENT, ECHO RANGING, INSTRUMENTATION, METEOROLOGICAL PARAMETERS, ATMOSPHERIC PRESSURE, TRANSDUCERS, VELOCITY, ULTRASONIC RADIATION (U)

THIS BIBLIOGRAPHY CONTAINS SEVERAL THOUSAND ABSTRACTS FROM THE UNCLASSIFIED LITERATURE ON THE PROPAGATION OF SOUND IN AIR. THE SUBJECT IS TREATED IN DEPTH FOR THE YEARS 1929 TO 1963. SOME ABSTRACTS ON EARLIER WORKS OF LASTING INTEREST AND MANY ABSTRACTS FROM ENGLISH TRANSLATIONS OF FOREIGN JOURNALS ARE INCLUDED. THE ABSTRACTS ARE GROUPED ACCORDING TO SUBJECT MATTER. SUBJECT AND AUTHOR INDEXES ARE FURNISHED. ACCESSIONS DOCUMENT (AD AND EARLIER ATI) NUMBERS USED BY BOTH THE DEFENSE DOCUMENTATION CENTER (FORMERLY ASTIA) AND THE OFFICE OF TECHNICAL SERVICES (OTS) ARE FURNISHED WHEREVER POSSIBLE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-466 193
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
MIXING OF CONCENTRIC HIGH-VELOCITY AIRSTREAMS. (U)
DESCRIPTIVE NOTE; COMPILATION OF ABSTRACTS, JAN-OCT 64.
JUL 65 49P
REPT. NO. ATD-P-65-41

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*JET MIXING FLOW, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, JET MIXING FLOW), NOZZLE GAS FLOW, INCOMPRESSIBLE FLOW, BOUNDARY LAYER, STABILIZATION, JET FLAMES, METHANE, AIR, STAGNATION POINT, PENETRATION, JETS, SUPERSONIC FLOW (U)
IDENTIFIERS: PRANDTL THEORY, CONCENTRIC STRUCTURES (U)

THIS REPORT IS THE FOURTH IN A SERIES DEALING WITH PUBLISHED SOVIET RESEARCH ON THE SUBJECT OF MIXING OF CONCENTRIC HIGH-VELOCITY AIRSTREAMS. IT COMPRISES ABSTRACTS SELECTED FROM SOVIET OPEN LITERATURE AVAILABLE AT THE AEROSPACE TECHNOLOGY DIVISION AND THE LIBRARY OF CONGRESS AND COVERS THE PERIOD FROM JANUARY 1964 THROUGH OCTOBER 1964. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 519
NATIONAL BUREAU OF STANDARDS BOULDER COLO
A BIBLIOGRAPHY OF REFERENCES FOR THE THERMOPHYSICAL PROPERTIES OF HELIUM-4, HYDROGEN, DEUTERIUM, HYDROGEN DEUTERIDE, NEON, ARGON, NITROGEN, OXYGEN, CARBON DIOXIDE, METHANE, ETHANE, KRYPTON, AND REFRIGERANTS 13, 14, AND 23. (U)
MAY 65 139P
REPT. NO. NBS-8808
PROJ: 31502 40 3150121 ,31502 40 3150626

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PHYSICAL PROPERTIES, BIBLIOGRAPHIES), (*GASES, PHYSICAL PROPERTIES), (*THERMAL PROPERTIES, GASES), HEAT OF FUSION, CRYOGENICS, HELIUM, HYDROGEN, ATOMIC STRUCTURE, DEUTERIUM, NEON, ARGON, NITROGEN, OXYGEN, CARBON DIOXIDE, METHANE, KRYPTON, REFRIGERANTS, HYDROCARBONS, HEAT OF SUBLIMATION, ALIPHATIC COMPOUNDS, DENSITY, COMPRESSIVE PROPERTIES, THERMAL EXPANSION, VAPOR PRESSURE, TEMPERATURE, BOILING, MELTING, PHASE STUDIES, ENTHALPY, ENTROPY, THERMAL CONDUCTIVITY, VISCOSITY, SURFACE TENSION (U)
IDENTIFIERS: PARA AND ORTHO HYDROGEN, ETHANE (U)

THIS BIBLIOGRAPHY REPRESENTS A SEARCH OF THE INFORMATION STORAGE AND RETRIEVAL SYSTEM OF THE CRYOGENIC DATA CENTER. THE STORAGE AND RETRIEVAL SYSTEM CONTAINS APPROXIMATELY 11,000 REFERENCES TO PROPERTIES OF MATERIALS AT CRYOGENIC TEMPERATURES. THE BIBLIOGRAPHY CONTAINS REFERENCES TO THE FOLLOWING FLUIDS AND THEIR MIXTURES: HELIUM-4, NORMAL HYDROGEN, PARAHYDROGEN, ORTHOHYDROGEN, DEUTERIUM AND HYDROGEN DEUTERIDE, NEON, ARGON, NITROGEN, OXYGEN, CARBON DIOXIDE, METHANE, ETHANE, KRYPTON, AND REFRIGERANTS 13, 14, AND 23. THE PROPERTIES WHICH WERE SEARCHED FOR ARE: PVT DATA, COMPRESSIBILITY, EXPANSIVITY, VAPOR PRESSURE, MELTING LINE, TRIPLE POINT, BOILING POINT, CRITICAL POINT, SOLID TRANSITION POINTS, PHASE DIAGRAM, LATENT HEATS, HEAT CAPACITY, ENTHALPY, ENTROPY, VELOCITY OF SOUND, THERMAL CONDUCTIVITY, VISCOSITY, EQUATIONS OF STATE, JOULE-THOMSON COEFFICIENT, AND SURFACE TENSION. THE CRYOGENIC DATA CENTER IS ENGAGED IN MAINTAINING AN AWARENESS OF THE WORLD'S LITERATURE ON THE PROPERTIES OF MATERIALS AT CRYOGENIC TEMPERATURES AND IN PARTICULAR ON THE PROPERTIES OF THE CRYOGENIC FLUIDS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-486 798 20/11 1/3
OHIO STATE UNIV RESEARCH FOUNDATION COLUMBUS DEPT OF
AERONAUTICAL AND ASTRONAUTICAL ENGINEERING
DEVELOPMENT OF EXPERIMENTAL TESTING PROGRAMS TO
VERIFY THERMAL STRESS ANALYSIS. (U)
DESCRIPTIVE NOTE: FINAL REPT. 15 JUN 65-15 MAY 66,
JUN 66 110P GATEWOOD ,B. E. IGLASER ,A.
R. IULRICH,B. H. ,JR.I
CONTRACT: AF 33(615)-3114
PROJ: AF-1467
TASK: 146702
MONITOR: AFFDL TR-66-67

UNCLASSIFIED REPORT

DESCRIPTORS: (*THERMAL STRESSES, TEST METHODS),
MATHEMATICAL ANALYSIS, RELIABILITY, EXPERIMENTAL
DATA, BEAMS(STRUCTURAL), STRUCTURES,
STRUCTURAL SHELLS, TEST EQUIPMENT, TEMPERATURE,
STRAIN(MECHANICS), DEFLECTION,
BUCKLING(MECHANICS), BIBLIOGRAPHIES,
REPORTS, TABLES, STATE-OF-THE-ART REVIEWS,
CYLINDRICAL BODIES, STIFFENED CYLINDERS, METAL
PLATES, STRUCTURAL PROPERTIES, AIRFRAMES,
JOINTS (U)

THIS REPORT CONTAINS A BIBLIOGRAPHICAL LIST FOR
TEST DATA ON THERMAL STRESS TESTING, AND EVALUATION
OF THE REPORTS IN THE LIST IN A SET OF TABLES, AND A
LIST OF PROPOSED EXPERIMENTAL TESTS TO VERIFY CERTAIN
THEORETICAL METHOD OF THERMAL STRESS ANALYSIS. SIX
OF THE PROPOSED TEST PROGRAMS, BEAM TEST FIXTURE WITH
CIRCULAR PLATE TEST, PLATE BENDING TEST FIXTURE
REDUNDANT TRUSS TEST, CURVED BEAM TEST, AND A JOINT
TEST WITH MIXED MATERIALS, ARE DESCRIBED IN DETAIL.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 095
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
OPTICAL IMAGE CONVERTERS: AN ANNOTATED BIBLIOGRAPHY, 1961-1963, (U)
JAN 64 24P GOLDMANN,JACK B. I
REPT. NO. 13 64 1 ,SB64 B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*OPTICAL EQUIPMENT, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, OPTICAL EQUIPMENT), OPTICAL IMAGES, IMAGE TUBES, IMAGE INTENSIFIERS (ELECTRONICS), ABSTRACTING, INDEXES (U)

A LITERATURE SEARCH WAS MADE TO DETERMINE THE VARIETY OF TECHNIQUES WHICH HAVE BEEN UTILIZED IN THE DEVELOPMENT OF THE OPTICAL IMAGE CONVERTER. THIS ANNOTATED BIBLIOGRAPHY OF 45 REFERENCES EMPHASIZES THE ADVANCES AND INNOVATIONS FOR THE YEARS 1961-1963. THE RESOURCES OF THE LOCKHEED MISSILES AND SPACE COMPANY TECHNICAL INFORMATION CENTER WERE USED IN THE PREPARATION OF THIS BIBLIOGRAPHY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 435
CALIFORNIA UNIV LOS ANGELES
AN AEROSONICS BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: SUPPLEMENT NO. 1
APR 64 23P POWELL,ALAN (SMITH,T. J. B.
)
REPT. NO. DE64 20
CONTRACT: NONR233 62
PROJ: NR062 229

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, AERODYNAMIC CHARACTERISTIST;CS), (*AERODYNAMIC CHARACTERISTICS, BIBLIOGRAPHIES), FLUID FLOW, FLUID MECHANICS, AEROSTATICS, SUPERSONIC FLOW (U)

THIS SUPPLEMENTARY BIBLIOGRAPHY CONTAINS AVAILABLE REFERENCES TO THE OPEN LITERATURE ON AEROSONICS UP TO MARCH 1964 WHICH IS NOT INCLUDED IN THE MAIN VOLUME. THE SCOPE OF THE BIBLIOGRAPHY HAS BEEN ENLARGED TO INCLUDE REFERENCES TO THE FLUID DYNAMICS OF SUPERSONIC JET FLOWS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 728
AEROSPACE CORP EL SEGUNDO CALIF
PROFESSIONAL PAPERS CLEARED FOR POSSIBLE PUBLICATION
AND/OR PRESENTATION. (U)
DESCRIPTIVE NOTE: REPT. FOR 16 APR-15 MAY 64,
MAY 64 6P BRADY,FRANCES A. I
CONTRACT: AF04 695 269

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*FLUID MECHANICS), (*REPORTS,
BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SCIENTIFIC
RESEARCH), PHYSICS, MATERIALS (U)

BIBLIOGRAPHY OF PROFESSIONAL PAPERS CLEARED FOR POSSIBLE
PUBLICATION AND/OR PRESENTATION FROM AEROSPACE
CORPORATION.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 364
PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D C
OPTICAL SYSTEMS MICROBIOLOGY: MONOGRAPHIC ELEMENTS. (U)
DESCRIPTIVE NOTE: ORIGINAL BIBLIOGRAPHY.
JUN 62 41P LEE,RICHARD W. H. I
REPT. NO. S62 032REV. 1 ,PDL 48991

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*OPTICAL EQUIPMENT, DEGRADATION), (*OPTICAL EQUIPMENT, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, OPTICAL EQUIPMENT), (*MICROORGANISMS, DEGRADATION), OPTICAL MATERIALS, FUNGUS DETERIORATION, BACTERIA, ABSTRACTS (U)

AN ANNOTATED BIBLIOGRAPHY OF 38 ITEMS CONCERNING THE OCCURRENCE AND EFFECTS OF MICROORGANISMS ON OPTICAL EQUIPMENT. A SUBJECT INDEX IS INCLUDED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 690
HARVARD UNIV CAMBRIDGE MASS
STRUCTURES OF BIOLOGICALLY ACTIVE MOLECULES. (U)
DESCRIPTIVE NOTE: FINAL REPT., 1 DEC 59-30 NOV 63
NOV 63 6P LIPSCOMB,WILLIAM N. (
CONTRACT: AF49 638 809
MONITOR: AFOSR 64 1110

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MOLECULAR STRUCTURE, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, BIOCHEMISTRY), CRYSTAL STRUCTURE, STEREOCHEMISTRY, X-RAY DIFFRACTION ANALYSIS, BORON COMPOUNDS, ORGANIC COMPOUNDS, ALKALOIDS (U)

A BIBLIOGRAPHY OF 10 REFERENCES IS GIVEN ON THE MOLECULAR AND CRYSTAL STRUCTURE OF SOME BIOLOGICALLY ACTIVE MOLECULES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 730
CORNELL UNIV ITHACA N Y GRADUATE SCHOOL OF AEROSPACE ENGINEERING
FINAL REPORT (AEROSPACE ENGINEERING: GAS DYNAMICS). (U)
DESCRIPTIVE NOTE: REPT. FOR 1 MAY 62-30 APR 64,
JUN 64 3P SEARS,W. R. ;
CONTRACT: AF AFOSR62 201
MONITOR: AFOSR 64 1138

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MAGNETOHYDRODYNAMICS, GAS FLOW), (*SUPERAERODYNAMICS, GAS FLOW), GASES, HIGH-TEMPERATURE RESEARCH, PLASMA PHYSICS, FLUID FLOW, CHEMICAL REACTIONS, REVIEWS, BIBLIOGRAPHIES (U)

SUMMARIES ARE GIVEN OF RESEARCHES IN THE FOLLOWING FIELDS: MAGNETO-DYNAMICS OF HIGH-TEMPERATURE GASES; GASDYNAMICS OF REAL AND CHEMICALLY REACTING GASES; AND DYNAMICS OF RAREFIED GASES. A BIBLIOGRAPHY IS GIVEN OF THE 18 PUBLICATIONS GENERATED UNDER THIS GRANT. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 830
MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB
SOLID STATE RESEARCH, (U)
JUN 64 75P
CONTRACT: AF19 628 500
MONITOR: ESD TDR64 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SOLID STATE PHYSICS, SCIENTIFIC RESEARCH), SEMICONDUCTOR DEVICES, LASERS, MATERIALS, CRYSTALLOGRAPHY, SOLIDS, BAND SPECTRUM, SPECTROSCOPY, MAGNETISM, RESONANCE, BIBLIOGRAPHIES (U)

A SURVEY OF SOLID STATE RESEARCH IS PRESENTED. MAJOR AREAS COVERED ARE SOLID STATE DEVICES, LASERS, MATERIALS, BAND STRUCTURE AND SPECTROSCOPY OF SOLIDS, AND MAGNETISM AND RESONANCE. A BIBLIOGRAPHY OF REPORTS BY AUTHORS ENGAGED IN SOLID STATE RESEARCH IS ALSO PRESENTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 884
INDIANA UNIV BLOOMINGTON
FINAL REPORT NUCLEAR SPECTROSCOPY . (U)
DESCRIPTIVE NOTE: REPT. FOR 1 APR 55-31 MAR 64,
MAR 64 12P
CONTRACT: NONR1705 01 ,N60R148 01
PROJ: NR024 006

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NUCLEAR SPECTROSCOPY, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NUCLEAR SPECTROSCOPY), (*DECAY SCHEMES), (*RADIOACTIVE DECAY), NUCLEAR FORCES, NUCLEAR PROPERTIES, ATOMIC STRUCTURE, RADIOACTIVE ISOTOPES, NUCLEAR REACTIONS, CYCLOTRONS, BETA-RAY SPECTROSCOPY, GAMMA-RAY SPECTROSCOPY, BETA-RAY SPECTRUM, PARTICLE ACCELERATION TECHNIQUES, SCIENTIFIC PERSONNEL, TRAINING, CORRELATION TECHNIQUES, ATOMIC ENERGY LEVELS (U)

INFORMATION ABOUT THE STRUCTURE OF THE NUCLEI OF ATOMS AND THE NATURE OF BASIC NUCLEAR FORCES IS RECORDED IN A SERIES OF REPORTS COVERING THE PERIOD 1 MARCH 1946 TO 31 MARCH 1956. MEASUREMENTS WERE CARRIED OUT ON VARIOUS PHENOMENA ASSOCIATED WITH RADIOACTIVE DECAY OF ISOTOPES PRODUCED EITHER BY BOMBARDMENT IN THE CYCLOTRON OR IN A NUCLEAR REACTOR. THE INVESTIGATIONS INVOLVED: (1) THE DETERMINATION OF DECAY SCHEMES AND ENERGY LEVEL ASSIGNMENTS; (2) STUDIES OF THE DETAILED SHAPES OF BETA SPECTRA IN BOTH ALLOWED AND FORBIDDEN TRANSITIONS; AND (3) BETA-GAMMA ANGULAR CORRELATION MEASUREMENTS. A LIST OF 63 PUBLICATIONS SUPPORTING THE RESULTS OF THESE INVESTIGATIONS IS INCLUDED IN THE FINAL REPORT TOGETHER WITH THE NAMES AND THESIS TITLES OF GRADUATE SCIENTIFIC PERSONNEL ASSOCIATED WITH THE EXPERIMENTS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 139
POLYTECHNIC INST OF BROOKLYN N Y
AN ANNOTATED BIBLIOGRAPHY ON ABLATION AN RELATED TOPICS. (U)
MAY 64 165P ISRAEL,MARTIN H. INARDO,S.
V. 1
REPT. NO. 686
CONTRACT: NONR839 23
PROJ: NR064 433

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ABLATION, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, ABLATION), HEAT TRANSFER, LAMINAR BOUNDARY LAYER, HIGH-TEMPERATURE RESEARCH, COOLING, MELTING, SUBLIMATION, VAPORIZATION, HEAT SHIELDS, ATMOSPHERE ENTRY, HEAT-RESISTANT MATERIALS, PLASTICS, METALS, HYPERSONIC FLOW, HEAT-RESISTANT PLASTICS, MATERIALS, POLYMERS, GRAPHITE, REENTRY VEHICLES, CERAMIC MATERIALS, ORGANIC MATERIALS, POROUS MATERIALS, COATINGS, REFRACTORY MATERIALS, QUARTZ, LAMINATED PLASTICS, GLASS TEXTILES, COMPOSITE MATERIALS, RUBBER, THERMAL INSULATION, SATELLITES (ARTIFICAL) (U)

THE BIBLIOGRAPHY CONTAINS 700 ENTRIES (551 ANNOTATED, 133 UNANNOTATED, AND 16 CLASSIFIED REFERENCES), LISTING RESEARCH PERTINENT TO THERMAL ENVIRONMENTS AND THE THERMAL PROTECTION OF STRUCTURES, PRIMARILY BY ABLATIVE TECHNIQUES. TOPICS INCLUDED DEAL WITH HIGH TEMPERATURE ENVIRONMENT, RE-ENTRY DYNAMICS AND THERMODYNAMICS, COOLING METHODS, ABLATION COOLING, AND MATERIALS FOR HIGH TEMPERATURE APPLICATION. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 359
NAVAL ORDNANCE LAB CORONA CALIF
MAGNETORESISTANCE IN METALS, SEMICONDUCTORS, AND ALLOYS: A BIBLIOGRAPHY ON THEORETICAL AND EXPERIMENTAL ASPECTS, (U)
JUL 64 100P LEONARD,L. E. I
MONITOR: NAVWEPS 8191

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, RESISTANCE (ELECTRICAL)), (*METALS, BIBLIOGRAPHIES), (*SEMICONDUCTORS, BIBLIOGRAPHIES), (*ALLOYS, BIBLIOGRAPHIES), SUBJECT INDEXING, MAGNETIC FIELDS, HALL EFFECT, SINGLE CRYSTALS (U)
IDENTIFIERS: MAGNETORESISTIVE EFFECT (U)

THE COMPREHENSIVE BIBLIOGRAPHY COVERS THEORETICAL AND EXPERIMENTAL WORK ON THE MAGNETORESISTANCE IN METALS, SEMICONDUCTORS, AND ALLOYS OVER THE PERIOD 1930-1963. IN THE SUBJECT INDEX, WHICH PRECEDES THE MAIN BIBLIOGRAPHY, THE LISTINGS ARE BRIEF BUT SUFFICIENT TO ENABLE THE READER TO FIND THE COMPLETE ENTRIES IN THE BIBLIOGRAPHY SECTION. BECAUSE THE NAME OF ONLY ONE AUTHOR IS GIVEN FOR EACH ENTRY, THE SEQUENCE IS NOT STRICTLY ALPHABETICAL; FOR CONVENIENT REFERENCE, IT PARALLELS THE SEQUENCE IN THE BIBLIOGRAPHY PROPER. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-603 51*
MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB
DIVISION 6. SOLID STATE. (U)
DESCRIPTIVE NOTE: QUARTERLY PROGRESS REPT. FOR 1 APR-30
JUN 64.
JUL 64 18P
CONTRACT: AF19 628 500
MONITOR: ESD ; TDR64 349

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, SOLID STATE PHYSICS),
(*SOLID STATE PHYSICS, REPORTS), LASERS, SEMICONDUCTOR
DEVICES, SEMICONDUCTORS, CRYSTALS, OSCILLATION,
SPECTROSCOPY, MAGNETIC PROPERTIES, MAGNETIC FIELDS,
ELECTRONS, MAGNETIC RESONANCE (U)

RESEARCHES IN THE FOLLOWING FIELDS ARE SUMMARIZED:
SOLID STATE DEVICE RESEARCH; LASER RESEARCH;
MATERIALS RESEARCH; BAND STRUCTURE AND SPECTROSCOPY
OF SOLIDS; MAGNETISM AND RESONANCE. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-605 984
TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF
LOW PRESSURE ELECTRICAL DISCHARGE STUDIES, (U)
DEC 59 72P KREBS,W. H. IREED,A. C. I
REPT. NO. STL/TR-59-0000-09931
CONTRACT: AF04 647 309

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ELECTRIC DISCHARGES, HIGH ALTITUDE), (*GUIDED MISSILE COMPONENTS, MALFUNCTIONS), AIR, WATER VAPOR, SPARKS, SECONDARY EMISSION, ELECTRICAL EQUIPMENT, LOW-PRESSURE RESEARCH, ELECTRODES, ELECTRICAL PROPERTIES, GEOMETRIC FORMS, ENCAPSULATION, CASTING, REVIEWS, BIBLIOGRAPHIES (U)
IDENTIFIERS: BREAKDOWN (ELECTRICAL) (U)

THE REPORT CONCERNS ELECTRICAL BREAKDOWN OF AIR AT LOW PRESSURES OR HIGH ALTITUDES (70,000 TO 250,000 FEET) DUE TO SECONDARY EMISSION. INFORMATION PERTINENT TO THE PROBLEM OF LOW FREQUENCY (0 TO 1000 CPS) SPARKING WAS COMPILED THROUGH A LITERATURE SURVEY. A BIBLIOGRAPHY CONCERNING ELECTRICAL BREAKDOWN AT BOTH LOW AND HIGH FREQUENCIES WAS COMPILED. A TEST PROGRAM YIELDED THE FOLLOWING RESULTS: NO STATISTICALLY SIGNIFICANT DEVIATION FROM PASCHEN'S LAW WAS DETECTED. THE ADDITION OF WATER VAPOR TO THE AIR CONSTITUTING THE TEST ENVIRONMENT CAUSED A SIGNIFICANT LOWERING OF THE MINIMUM SPARKING VOLTAGE. RECOMMENDATIONS ARE MADE RELATIVE TO TEST PROGRAMS FOR MISSILE ELECTRICAL COMPONENTS EMPLOYING VOLTAGES HIGHER THAN 200 VOLTS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 180
MASSACHUSETTS INST OF TECH CAMBRIDGE
AN INDEX TO THE TWO-PHASE GAS-LIQUID FLOW LITERATURE.
PART II. (U)
SEP 64 318P GOUSE,S. WILLIAM ,JR.!
REPT. NO. DSR-8734-4
CONTRACT: NONR1841 73

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-411 512.

DESCRIPTORS: (*BIBLIOGRAPHIES, FLUID FLOW), (*FLUID FLOW, BIBLIOGRAPHIES), REVIEWS, INDEXES, FLUID MECHANICS, GAS FLOW, LIQUIDS (U)
IDENTIFIERS: TWO-PHASE FLOW (U)

A TOTAL OF 1800 SEPARATE REFERENCES ON CERTAIN TYPES OF TWO-PHASE GAS-LIQUID FLOW PHENOMENA HAVE BEEN FOUND, VERTIFIED, LISTED, AND INDEXED BY SUBJECT AND PRINCIPLE AUTHOR. THIS LITERATURE SURVEY WAS CARRIED OUT AS ONE PHASE OF A CONTINUING PROGRAM TO DETERMINE THE STATE OF THE ART IN TWO-PHASE GAS-LIQUID FLOW PHENOMENA. IT IS EXPECTED THAT THIS PROGRAM WILL CONTINUE WITH THE PUBLICATION OF ADDITIONAL CRITICAL REVIEWS AND EVALUATIONS OF VARIOUS PROBLEM AREAS IN TWO-PHASE FLOW AS WELL AS WITH THE PUBLICATION OF PART III OF THE INDEX. THE PROBLEM AREAS OF CONDENSATION, CAVITATION, AND AUTOMIZATION HAVE BEEN GENERALLY EXCLUDED EXCEPT THROUGH ERROR OR WHEN REFERENCES WERE OF SUCH A BASIC CHARACTER AS TO BE GENERALLY USEFUL. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 420
YALE UNIV NEW HAVEN CONN
(LISTS OF PROGRESS REPORTS, PUBLICATIONS, AND MEN WHO
RECEIVED PH.D. DEGREES) (U)
DESCRIPTIVE NOTE: FINAL REPT. FOR 15 JUN 56-15 FEB 64,

OCT 64 7P MARGENAU,HENRY I
CONTRACT: NONR609 22

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PLASMA PHYSICS, BIBLIOGRAPHIES),
REPORTS, SCIENTIFIC PERSONNEL, ELECTRONICS (U)

(LISTS OF PROGRESS REPORTS, PUBLICATIONS, AND MEN WHO
RECEIVED PH.D. DEGREES)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-307 633
TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF
A BIBLIOGRAPHY FOR THE RESTRICTED THREEBODY
PROBLEM, (U)
AUG 58 26P DUREN,PE[illegible] L. I
REPT. NO. STL/GM-TN-0165-00172

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*N-BODY PROBLEM, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, N-BODY PROBLEM), CELESTIAL MECHANICS, LUNAR TRAJECTORIES, ORBITAL TRAJECTORIES, EQUATIONS, MOTION, SERIES (U)

THE 78 REFERENCES IN THIS BIBLIOGRAPHY ARE ARRANGED CHRONOLOGICALLY WITHIN EACH OF THREE HEADINGS: EXPOSITORY, ANALYTICAL AND NUMERICAL. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 668
ARMY NUCLEAR DEFENSE LAB EDGEWOOD ARSENAL MD
A LISTING OF CINDA, AN INDEX TO THE LITERATURE ON
MICROSCOPIC NEUTRON DATA, (U)
JUL 64 79DP GOLDSTEIN,HERBERT I
KALOS,MALVIN H. I
TASK: A2 11 039
MONITOR: DASA ,NDL 15351 ,SP10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH
COLUMBIA UNIV., NEW YORK, COURANT INST. OF
MATHEMATICAL SCIENCES, NEW YORK UNIV., N. Y.,
AND UNITED NUCLEAR CORP., WHITE PLAINS, N. Y.
PART OF THE WORK WAS SUPPORTED BY CONTRACT AT 30 1
GEN72.

DESCRIPTORS: (*NEUTRON CROSS SECTIONS, INDEXES),
(*DATA PROCESSING SYSTEMS, NEUTRON CROSS SECTIONS),
NEUTRONS, COMPUTERS, BIBLIOGRAPHIES, DATA, ISOTOPES,
CHEMICAL ELEMENTS, NUCLEAR CROSS SECTIONS (U)

CINDA (COMPUTER INDEX NEUTRON DATA) IS A
BIBLIOGRAPHICAL INDEX OF INFORMATION CONCERNING
MICROSCOPIC NEUTRON CROSS SECTIONS AND ALLIED DATA
FOR SPECIFIC ELEMENTS AND ISOTOPES. IT COVERS THE
LITERATURE, BOTH PUBLISHED AND UNPUBLISHED, SINCE THE
BEGINNING OF 1956. WHILE THE REFERENCES COVERED
MOSTLY REPORT ON MEASUREMENTS, CINDA ALSO INCLUDES
THEORETICAL CALCULATIONS, CROSS SECTION EVALUATIONS
AND COMPILATION INSOFAR AS THEY REFER TO SPECIFIC
TARGET NUCLEI. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 818
TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF
A COLLECTION OF INFORMATION ON SHOCK SPECTRUM OF A LINEAR SYSTEM. (U)
JUL 61 56P BARTON,M. V. ICHOBOTOV,V. I
FUNG,Y. C. I
REPT. NO. STL/EM-11-9

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SHOCK (MECHANICS), LINEAR SYSTEMS), MECHANICAL WAVES, LOADING (MECHANICS), GRAPHICS, BIBLIOGRAPHIES (U)

THIS IS A COLLECTION OF DEFINITIONS AND CHARTS OF THE RESPONSE SPECTRA FOR A ONE-DEGREE-OF-FREEDOM LINEAR SYSTEM SUBJECTED TO SHOCK LOADING. AVAILABLE NUMERICAL RESULTS ARE COLLECTED TOGETHER AND ILLUSTRATED GRAPHICALLY. ANALYTICAL RESULTS ARE NOT REPRODUCED, BUT REFERENCES TO CONVENIENT SOURCES ARE GIVEN. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-608 695
YALE UNIV NEW HAVEN CONN
FINAL REPORT. PARTICLE PHYSICS, BIBLIOGRAPHY OF PUBLICATIONS. (U)
61 11P BREIT,GREGORY I
CONTRACT: NONR1338 00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NUCLEAR PHYSICS, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, NUCLEAR PHYSICS), NUCLEAR SCATTERING, NUCLEAR PARTICLES, LINEAR ACCELERATORS, ISOTOPES, X-RAY SPECTRUM, POLARIZATION, ELECTRON CAPTURE, NUCLEONS, PROTONS, EXCITATION, NUCLEAR REACTIONS (U)

FINAL REPORT. PARTICLE PHYSICS, BIBLIOGRAPHY OF PUBLICATIONS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 136
FOREIGN TECHNOLOGY DIV WRIGHT-PATTERSON AFB OHIO
BIBLIOGRAPHY OF PUBLICATIONS ON THE SUBJECT OF HEAT
AND MASS EXCHANGE, (U)
NOV 64 21P DOLINSKAYA,R. A. ;
MONITOR: FTD ,TT TT64 3951 ,65 60431

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: UNEDITED ROUGH DRAFT TRANS. OF
INZHENERNO-FIZICHESKII ZHURNAL (USSR) 1963, V. 6,
NO. 12, P. 127-134. LEGIBILITY OF THIS DOCUMENT IS IN PART
UNSATISFACTORY. REPRODUCTION HAS BEEN MADE FROM BEST
AVAILABLE COPY.

DESCRIPTORS: (*TRANSPORT PROPERTIES, BIBLIOGRAPHIES),
(*HEAT TRANSFER, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES,
TRANSPORT PROPERTIES), MATHEMATICAL ANALYSIS,
THERMODYNAMICS, PHASE STUDIES, HIGH-TEMPERATURE
RESEARCH, MAGNETOHYDRODYNAMICS, DESIGN, THERMAL
CONDUCTIVITY, DRIERS (APPARATUS), NUCLEAR REACTORS,
USSR (U)
IDENTIFIERS: MASS TRANSFER (U)

CONTENTS: MATHEMATICAL ANALYTIC METHODS;
THERMODYNAMICS; EXPERIMENTAL METHODS; PROCESSES
WITH PHASE CONVERSION, CHEMICAL CONVERSION, AND SUPER
HIGH SPEEDS; DRYING PROCESSES; THERMOPHYSICAL AND
THERMODYNAMIC CHARACTERISTICS OF VARIOUS MATERIALS,
HEAT CONDUCTORS AND METHODS OF DETERMINING THEM;
PHYSICS OF HIGH TEMPERATURE PROCESSES AND MAGNETIC
HYDRODYNAMICS; PROCESSES IN NUCLEAR REACTORS;
DESIGN PROCESSES AND APPARATUS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-610 079
UPPSALA UNIV (SWEDEN)
QUANTUM THEORY OF MANY-PARTICLE SYSTEMS. (U)
DESCRIPTIVE NOTE: ANNUAL SUMMARY REPT. FOR 1 SEP 63-31 AUG 64.
AUG 64 8P
CONTRACT: AF61 052 701
MONITOR: ARL , 65 25

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-429 228.

DESCRIPTORS: (*QUANTUM MECHANICS, ELEMENTARY PARTICLES), (*ELEMENTARY PARTICLES, QUANTUM MECHANICS), N-BODY PROBLEM, CHEMISTRY, MOLECULAR PROPERTIES, MOLECULAR STRUCTURE, SOLID STATE PHYSICS, ATOMIC ENERGY LEVELS, ATOMIC STRUCTURE, ATOMS, MOLECULES, PROTONS, ELECTRONS, THEORY, SPIN, VALENCE, PERTURBATION THEORY, MATRIX ALGEBRA, OPERATORS (MATHEMATICS), CRYSTAL LATTICES, HARMONIC OSCILLATORS, ATOMIC ORBITALS, SYMPOSIA, SWEDEN, BIBLIOGRAPHIES (U)

A CHRONOLOGICAL LIST IS PRESENTED OF THE CONFERENCES, RESEARCH REPORTS, AND PUBLISHED PAPERS OF THE QUANTUM CHEMISTRY GROUP FOR RESEARCH IN ATOMIC, MOLECULAR, AND SOLID-STATE THEORY AT UPPSALA UNIVERSITY, UPPSALA, SWEDEN. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 912
DOUGLAS AIRCRAFT CO INC SANTA MONICA CALIF
ELECTRON FRACTOGRAPHY HANDBOOK. (U)
DESCRIPTIVE NOTE: FINAL REPT. FOR 10 MAY 63-31 JAN 65,

JAN 65 210P WHITESON,B. V. (PHILLIPS,A. (KERLINS,V.)
CONTRACT: AF33 657 11127
PROJ: 7381
TASK: 738103
MONITOR: ML , TR-64-416

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SUPPLEMENTARY NOTE: AVAILABLE COPY WILL NOT PERMIT FULLY LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF REQUESTED BY USERS OF DDC. A COPY IS AVAILABLE FOR PUBLIC SALE.

DESCRIPTORS: (*FRACTOGRAPHY, HANDBOOKS), (*ELECTRON MICROSCOPY, FRACTOGRAPHY), FRACTURE (MECHANICS), FATIGUE (MECHANICS), ENVIRONMENTAL TESTS, EXPERIMENTAL DATA, TEST METHODS, METALS, ALUMINUM ALLOYS, STEEL, TITANIUM ALLOYS, NICKEL ALLOYS, MAGNESIUM ALLOYS, BERYLLIUM ALLOYS, MOLYBDENUM ALLOYS, NIOBIUM ALLOYS, TANTALUM ALLOYS, TUNGSTEN ALLOYS, BIBLIOGRAPHIES, MICROSTRUCTURE (U)

THE HANDBOOK IS DIVIDED INTO FIVE SECTIONS. THESE ARE: (1) TECHNIQUES - A DETAILED DESCRIPTION OF THE MOST COMMONLY USED REPLICATION TECHNIQUES, FRACTURE ANALYSIS TECHNIQUES, AND A GUIDE TO DISTINGUISH FALSE OR 'ARTIFACT' STRUCTURE. (2) FRACTURE MODES - A GUIDE TO THE VARIOUS MODES OF FRACTURE (OR FRACTURE MORPHOLOGY), THEIR APPEARANCE IN THE ELECTRON MICROSCOPE, AND A GLOSSARY OF TERMS COMMONLY USED IN ELECTRON FRACTOGRAPHY. (3) ENVIRONMENTAL EFFECTS A REVIEW OF THE ROLE OF ENVIRONMENTAL INFLUENCE ON THE FRACTURE APPEARANCE. (4) ATLAS OF ELECTRON FRACTOGRAPHS A DETAILED COMPILATION OF OVER 300 SPECIMENS FAILED UNDER KNOWN CONDITIONS, WITH THE RELATED FRACTOGRAPHS. A GENERAL INDEX AS WELL AS A COMPLETE CROSS-REFERENCING INDEX IS ALSO INCLUDED TO PROVIDE EASY ACCESS TO INFORMATION RELATED TO SPECIFIC ALLOY, STRENGTH LEVEL, TYPE OF TEST AND/OR ENVIRONMENT AND TEST TEMPERATURE. (5) BIBLIOGRAPHY - A BIBLIOGRAPHY OF OPEN LITERATURE RELATED TO THE FIELD OF ELECTRON FRACTOGRAPHY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 962
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
OPTICAL AND INFRARED ABSORPTANCE AND EMISSION
PROPERTIES OF SOLID H2O, CO2, N2, AND O2: AN
ANNOTATED BIBLIOGRAPHY, 1958-1962. (U)
NOV 62 9P BUGINAS,SCOTT J. I
REPT. NO. 5-10-62-53 ,SB-62-59

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CRYOGENICS, OPTICAL PHENOMENA),
(*INFRARED RADIATION, SOLID STATE PHYSICS),
(*LUMINESCENCE, SOLID STATE PHYSICS),
(*BIBLIOGRAPHIES, OPTICAL PHENOMENA), (*SPECTROSCOPY,
OPTICAL PHENOMENA), CRYSTALS, ICE, SOLIDIFIED GASES,
NITROGEN, OXYGEN, CARBON COMPOUNDS, GASES, XENON,
ARGON, METHANE, AMMONIA, OPTICAL EQUIPMENT (U)
IDENTIFIERS: OPTICAL FREQUENCIES (U)

OPTICAL AND INFRARED ABSORPTANCE AND EMISSION PROPERTIES
OF SOLID H2O, CO2, N2, AND O2: AN ANNOTATED
BIBLIOGRAPHY, 1958-1962.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 429
NAVAL WEAPONS LAB DAHLGREN VA
SOME RECENT DEVELOPMENTS IN THE THEORY OF VISCOUS FLUID FLOW WITH TECHNOLOGICAL AND GEOPHYSICAL APPLICATIONS, (U)
APR 65 70P SCHWIDERSKI,ERNST W. ;
LUGT,HANS J. ;
REPT. NO. NWL-1963
TASK: R360FR103 2101RC110101

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*FLUID FLOW, MATHEMATICAL ANALYSIS), (*PARTIAL DIFFERENTIAL EQUATIONS, FLUID MECHANICS), (*NUMERICAL METHODS AND PROCEDURES, FLUID MECHANICS), VISCOSITY, INCOMPRESSIBLE FLOW, BOUNDARY LAYER, STAGNATION, WAKE, VORTICES, INTEGRATION, INTEGRAL EQUATIONS, BIBLIOGRAPHIES, GEOPHYSICS (U)

THREE GENERAL MATHEMATICAL TECHNIQUES, WHICH HAVE RECENTLY BEEN INTRODUCED BY THE AUTHORS FOR SYSTEMATIC SOLUTION OF THE NAVIER-STOKES EQUATIONS OF INCOMPRESSIBLE VISCOUS FLUID FLOW, ARE BRIEFLY REVIEWED. IN PARTICULAR, THE APPLICATIONS OF THESE METHODS TO VARIOUS FUNDAMENTAL FLOW PROBLEMS OF THEORETICAL AND TECHNOLOGICAL INTEREST ARE HIGHLIGHTED AND ANALYZED WITH RESPECT TO THE MAJOR PHYSICAL FEATURES OF REALISTIC SMALL-SCALE AND LARGESCALE FLUID MOTIONS. A COMPLETE BIBLIOGRAPHY OF ALL ORIGINAL PAPERS PUBLISHED OR IN PUBLICATION, WHICH CONTAIN ALL DETAILED DERIVATIONS AND RESULTS, IS GIVEN AT THE END OF THIS REPORT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 594
CALIFORNIA UNIV LOS ANGELES DEPT OF ENGINEERING
AN AEROSONICS BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: SUPPLEMENT NO. 2,
APR 65 27P POWELL,ALAN ;SOLOMON,LOUIS ;
REPT. NO. 65-3
CONTRACT: NONR23362
PROJ: RR009 01 01 ,NR062 229

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPLEMENT TO ENGINEERING REPTS. NO. 63-51, AD-425 670, AND NO. 64-20, AD-600 455.

DESCRIPTORS: (*AERODYNAMIC CHARACTERISTICS, BIBLIOGRAPHIES), ACOUSTICS, SUPERSONIC FLOW, JETS, FLUID MECHANICS, INDEXES, SONIC BOOM, SHOCK WAVES, SONIC FATIGUE, VORTICES, BOUNDARY LAYER, TURBULENCE, NOISE, HYDRODYNAMICS, STRUCTURES, PROPELLERS (AERIAL)(U)
IDENTIFIERS: AEROSONICS (U)

A BIBLIOGRAPHY OF 363 REFERENCES IS GIVEN ON THE FOLLOWING TOPICS: AERODYNAMIC SOUND; STRUCTURAL EXCITATION BY FLOWS AND SOUND, FATIGUE; FLOW PAST BODIES, BOUNDARY LAYER; FLUID INSTABILITY, ACOUSTIC STREAMING, VORTICAL FLOW; JET FLOWS AND WAKES, TURBULENCE; JET NOISE SUPPRESSION DEVICES; PROPELLERS AND ROTORS; ROCKET NOISE; RESONANCE AND OSCILLATION; SONIC BOOM AND SHOCK WAVES; SOUND PROPAGATION, SCATTERING, TRANSMISSION ATTENUATION AND REFLECTION; STRUCTURAL AND WAVE DYNAMICS; THERMOACOUSTICS; HYDRODYNAMICS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 177
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
SOVIET LASER BIBLIOGRAPHY: ANALYTICAL SURVEY. (U)
MAY 65 69P
REPT. NO. ATD-P-65-23
MONITOR: TT , 65-62200

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF SOVIET OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*LASERS, BIBLIOGRAPHIES), PARAMAGNETIC MATERIALS, GASES, SEMICONDUCTOR DEVICES, SPECTROSCOPY, GAMMA RAYS, OPTICS, QUANTUM MECHANICS, USSR, REVIEWS (U)

THE BIBLIOGRAPHY ON SOVIET LASER RESEARCH COVERS THE PERIOD FROM JANUARY 1961 TO SEPTEMBER 1964. THE FOLLOWING TOPICS ARE DISCUSSED: GASEOUS LASERS, LASERS BASED ON PARAMAGNETIC MATERIALS, LASERS BASED ON SEMICONDUCTOR MATERIALS, EXOTIC LASERS, SPECTROSCOPY OF PARAMAGNETIC LASER MATERIALS, LASER THEORY, AND LASER APPLICATIONS AND EFFECTS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-617 913
AUTONETICS DOWNEY CALIF
OCCUPATIONAL LASER HAZARDS- A SURVEY OF THE LITERATURE, (U)
DESCRIPTIVE NOTE: REPT. FOR 1956-1965,
JUL 65 23P KINNEY,MARNELLE I
REPT. NO. T5-1245/3111

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AVAILABLE COPY WILL NOT PERMIT FULLY LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF REQUESTED BY USERS OF DDC. COPY IS AVAILABLE FOR PUBLIC SALE.

DESCRIPTORS: (*LASERS, HAZARDS), (*BIBLIOGRAPHIES, LASERS), SAFETY DEVICES, EYE, VISION, RETINA, EYE GLASSES, PROTECTIVE CLOTHING, SKIN, BURNS, TISSUES(BIOLOGY), PATHOLOGY, OPHTHALMOLOGY, PHYSIOLOGY, INDUSTRIAL MEDICINE, INDEXES, ABSTRACTING, REVIEWS (U)

THE NEED FOR GUIDELINES TO PROTECT PERSONNEL INVOLVED IN LASER RESEARCH IS GENERALLY RECOGNIZED. THE LITERATURE REVEALS, HOWEVER, THAT VIEWS DIFFER AS TO WHAT PRECAUTIONS SHOULD BE REQUIRED. THIS BIBLIOGRAPHY CONTAINS 48 ENTRIES ARRANGED ALPHABETICALLY BY AUTHOR, AND INCLUDES PAPERS PUBLISHED IN THE OPEN LITERATURE AND REPORTS WHICH MAY BE OBTAINED THROUGH THE DEFENSE DOCUMENTATION CENTER. THE PERIOD OF TIME COVERED IS FROM 1956 THROUGH MAY 1965. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 067
CHICAGO UNIV ILL ENRICO FERMI INST FOR NUCLEAR STUDIES
HIGH ENERGY PHYSICS RESEARCH USING A 460 MEV SYNCHROCYCLOTRON. (U)
DESCRIPTIVE NOTE: FINAL REPT.,
JUL 65 15P ANDERSON,HERBERT L. ;
CONTRACT: N60RI02022

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NUCLEAR PHYSICS, SYNCHROCYCLOTRONS), (*BIBLIOGRAPHIES, NUCLEAR PHYSICS), ELEMENTARY PARTICLES, PIONS, MUONS, MESON BOMBARDMENT, PROTON BEAMS, NEUTRON BEAMS, RADIOCHEMISTRY (U)

DOCTORAL DISSERTATIONS ARE LISTED FOR STUDENTS WHO CONDUCTED THEIR RESEARCH WITH THE CYCLOTRON. ALSO GIVEN IS A CHRONOLOGICAL LIST OF PUBLISHED RESEARCH. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 503
MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB
AC BREAKDOWN IN GASES. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.,
FEB 65 30P MUEHE,C. E. I
REPT. NO. TR-380
CONTRACT: AF19 628 500
MONITOR: ESD , TDR-65-53

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*GAS DISCHARGES, HELIUM GROUP GASES), (*GAS IONIZATION, HELIUM GROUP GASES), (*HELIUM GROUP GASES, GAS DISCHARGES), VOLTAGE, ELECTRONS, SECONDARY EMISSION, ALTERNATING CURRENT, PLASMA PHYSICS, BIBLIOGRAPHIES, IONIZATION POTENTIALS (U)

THE BREAKDOWN POTENTIAL OF HELIUM, NEON, ARGON AND XENON WAS MEASURED OVER THE FREQUENCY RANGE FROM DC TO 1000 MCPS, AND THE PRESSURE RANGE FROM 10 TO THE MINUS 8TH POWER TO 600 MMHG EMPLOYING A GLASS BREAKDOWN CELL WITH 1-CM SPACING. GRAPHS SHOWING CONTOURS OF CONSTANT BREAKDOWN POTENTIAL AS A FUNCTION PF PD AND D/GAMMA ARE PRESENTED. THESE GRAPHS SHOW THREE DISTINCT BREAKDOWN REGIONS: (1) THE DIFFUSION-CONTROLLED REGION, (2) THE SECONDARY-ELECTRON-EMISSION (MULTIPACTOR) REGION, AND (3) THE LOW-FREQUENCY REGION. THE BREAKDOWN MECHANISM IN EACH OF THESE REGIONS IS EXPLAINED. AN EXTENSIVE BIBLIOGRAPHY ON AC BREAKDOWN IN GASES IS INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-619 027
AEROSPACE RESEARCH LABS WRIGHT-PATTERSON AFB OHIO
A BIBLIOGRAPHY ON MOVING STRIATIONS, (U)
JUN 65 33P PALMER,RICHARD E. ;
GARSCADDEN,ALAN ;
REPT. NO. ARL-65-120
PROJ: 7073
TASK: 707303

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*GAS DISCHARGES, BIBLIOGRAPHIES), (*PLASMA MEDIUM, BIBLIOGRAPHIES), LOW-PRESSURE RESEARCH, REVIEWS (U)
IDENTIFIERS: PLASMA STRIATIONS (U)

A BRIEF SUMMARY OF PRESENT RESEARCH AND A BIBLIOGRAPHY CONCERNING MOVING STRIATIONS IN LOW PRESSURE (APPROX. 1 TORR) GASEOUS DISCHARGES IS PRESENTED. CHRONOLOGICAL ORDER HIGHLIGHTS THE MORE RECENT WORK IN THE FIELD OF MOVING STRIATIONS BY PEKAREK AND WOJACZEK. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-620 727
MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB
MILLIMETER WAVE RESEARCH: PAST, PRESENT, AND
FUTURE. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.,
MAY 65 27P MEYER,J. W. I
REPT. NO. TR-389
CONTRACT: AF19 628 500
MONITOR: ESD , TDR-65-72

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MILLIMETER WAVES, SCIENTIFIC
RESEARCH), BIBLIOGRAPHIES, REVIEWS,
COMMUNICATION SYSTEMS, RADAR EQUIPMENT, RADIO
ASTRONOMY, SOLID STATE PHYSICS, ELECTROMAGNETIC
WAVES, PROPAGATION, SPECTRUM ANALYZERS (U)

THIS REPORT IS THE EDITED TRANSCRIPT OF A SEMINAR GIVEN AT LINCOLN LABORATORY ON 2 MARCH 1965. THE CYCLICITY OF INTEREST IN MILLIMETER WAVE RESEARCH IS TRACED FROM THE TIME OF HERTZ, WHEN INVESTIGATIONS OF THIS PART OF THE ELECTROMAGNETIC SPECTRUM BEGAN. THE WAXING AND WANING OF MILLIMETER WAVE RESEARCH ARE TRACED AS EXCITING NEW FIELDS ARE DISCOVERED WHICH DIVERTED THE INTEREST OF PHYSICISTS. EACH RE-EMERGENCE OF MILLIMETER WAVE RESEARCH HAS BEEN MORE ROBUST, OFTEN BECAUSE THE RESULTS OF THE DIVERSIONS WERE IMPORTANT TO IMPROVED TECHNIQUES. EARLY MILLIMETER WAVE APPARATUS IS DESCRIBED. THE NARRATIVE OF THE DEVELOPMENT OF A MILLIMETER WAVE RADAR FOR THE DETECTION OF THE MOON RELATES THE OPENING OF THIS SPECTRAL REGION TO RADAR ASTRONOMY. OTHER APPLICATIONS ARE MENTIONED, ALONG WITH FUTURE POSSIBILITIES. A CHRONOLOGY, A LIST OF LARGE MILLIMETER WAVE ANTENNAS, AND A BIBLIOGRAPHY OF REVIEW PAPERS ARE INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 090
MASSACHUSETTS INST OF TECH CAMBRIDGE LAB FOR INSULATION RESEARCH
MATERIALS RESEARCH. (U)
DESCRIPTIVE NOTE: FINAL REPT.,
NOV 65 57P VON HIPPEL,A. :
REPT. NO. TR-204
CONTRACT: NONR1841(0
PROJ: NR018 801

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SOLID STATE PHYSICS), (*BIBLIOGRAPHIES, MATERIALS), (*MATERIALS, REPORTS), (*SCIENTIFIC RESEARCH, MATERIALS), ELECTRICAL PROPERTIES, DIELECTRICS, SPECTROSCOPY, CRYSTALS, CRYSTAL STRUCTURE, SEMICONDUCTORS, FERROELECTRIC MATERIALS, MAGNETIC MATERIALS, CERAMIC MATERIALS, INSTRUMENTATION, ELECTRIC INSULATION (U)

A BIBLIOGRAPHY OF MATERIAL RESEARCH REPORTS BY THE LABORATORY FOR INSULATION RESEARCH IS PRESENTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 225
NAVAL RESEARCH LAB WASHINGTON D C
A BIBLIOGRAPHY OF CERTAIN OPTICAL PROPERTIES OF LIQUID WATER IN THE INFRARED REGION (1-2000 MICRONS). (U)
AUG 65 18P DAVIS,P. W. ;
REPT. NO. NRL BIB-25

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*WATER, OPTICAL PROPERTIES), (*INFRARED SPECTROSCOPY, WATER), BIBLIOGRAPHIES, LIQUIDS, ABSORPTION SPECTRUM, REFLECTION, REFRACTIVE INDEX, SALINITY, SEA WATER (U)

A SELECTIVE BIBLIOGRAPHY WAS COMPILED OF REFERENCES PERTAINING TO THE ABSORPTION SPECTRA, REFLECTANCE SPECTRA AND OPTICAL CONSTANTS OF LIQUID WATER IN THE INFRARED FROM 1 MICRON TO 2000 MICRONS. REPRESENTATIVE CURVES ARE PRESENTED FOR ABSORPTION, REFLECTANCE AND INDEX OF REFRACTION. THERE IS A SERIOUS DEFICIENCY IN THE SCIENTIFIC LITERATURE ON THE INFRARED OPTICAL PROPERTIES OF SEA WATER. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 246
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
ULTRASONIC ATTENUATION STUDIES OF IRRADIATED MATERIALS: ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: AID WORK ASSIGNMENT NO. 43, TASK 25.
APR 64 11P
REPT. NO. AID-U-64-28
MONITOR: TT , 65-65457

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET OPEN LITERATURE AVAILABLE AT THE AEROSPACE INFORMATION DIV., LIBRARY OF CONGRESS.

DESCRIPTORS: (*BIBLIOGRAPHIES, ULTRASONIC RADIATION), (*ULTRASONIC RADIATION, ATTENUATION), ABSTRACTING, USSR, ABSORPTION, GASES, CRYSTALS, PARAMAGNETIC MATERIALS, MAGNETIC RESONANCE, METALS, ELECTROLYTES, SEMICONDUCTORS, MAGNETIC PROPERTIES (U)

ULTRASONIC ATTENUATION STUDIES OF IRRADIATED MATERIALS: ANNOTATED BIBLIOGRAPHY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-624 439 20/6 6/4
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
OPTICAL DETECTION: COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: REPT. NO. 2 ON ATD WORK ASSIGNMENT NO. 79.
DEC 65 15P FINDY,FREDERICK I
REPT. NO. ATD-65-84
MONITOR: TT , 65-64725

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: CONSISTS OF ABSTRACTS OF ARTICLES PUBLISHED IN THE SOVIET LITERATURE DURING JUNE 1964 AND EARLY 1965. REPT. ON SURVEYS OF SOVIET SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*OPTICAL SCANNING, BIBLIOGRAPHIES), (*IMAGES, VISUAL PERCEPTION), (*VISUAL PERCEPTION, IMAGES), OPTICS, EYE, VISION, BIONICS, PATTERN RECOGNITION, INFORMATION THEORY, USSR (U)

CONTENTS: IMAGE PERCEPTION AND SCANNING, INFORMATIONAL CONTENT OF IMAGES, IMAGE IMPROVEMENT. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-625 075 20/2 7/3
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
STRUCTURE OF ORGANIC CRYSTALS. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY,
DEC 65 41P KOURILO,JOHN I
REPT. NO. ATD-65-77 ,1
MONITOR: TT , 65-64858

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF SOVIET SCIENTIFIC AND TECHNICAL LITERATURE, COVERING OPEN LITERATURE SOURCES IN 1963.

DESCRIPTORS: (*ORGANIC COMPOUNDS, CRYSTAL STRUCTURE), (*CRYSTAL STRUCTURE, BIBLIOGRAPHIES), USSR (U)

THE BIBLIOGRAPHY OF 109 ENTRIES IS ARRANGED BY THE FOLLOWING SECTIONS: GENERAL REVIEWS, HYDROCARBONS, HALOGENATED HYDROCARBONS, ALCOHOLS, ESTERS, KETONES AND QUNONES, AMINES AND AMINO ACIDS, AMIDES AND IMIDES, AZO COMPOUNDS, OXONIUM COMPOUNDS, HETEROCYCLIC COMPOUNDS, ORGANOMETALLIC COMPOUNDS, POLYMERS. CORPORATE AUTHOR, PERSONAL AUTHOR, AND SUBJECT INDEXES ARE INCLUDED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-625 846 20/6 7/4
ARMY MISSILE COMMAND REDSTONE ARSENAL ALA ADVANCED SYSTEMS LAB
A BIBLIOGRAPHY ON MICROWAVE (ROTATIONAL) SPECTROSCOPY, (U)
AUG 65 106P WOLLRAB,JAMES E. !
REPT. NO. RD-TM-65-14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MICROWAVE SPECTROSCOPY, BIBLIOGRAPHIES), INSTRUMENTATION, LINE SPECTRUM, CHEMICAL BONDS, MOLECULAR STRUCTURE, QUADRUPOLE MOMENTS, STEREOCHEMISTRY, ELECTRONIC PROPERTIES, MAGNETIC PROPERTIES (U)

THE REFERENCES LISTED IN THE BIBLIOGRAPHY INCLUDE A MAJORITY OF THE IMPORTANT PAPERS AND BOOKS THAT ARE RELATED TO THE DEVELOPMENT OF MICROWAVE SPECTROSCOPY. GENERAL REFERENCES RELATING TO THE BASIC CONCEPTS OF ROTATIONAL AND, IN A LIMITED WAY, VIBRATIONAL SPECTROSCOPY ARE ALSO INCLUDED. THE REFERENCES HAVE BEEN PLACED UNDER SPECIFIC TOPIC HEADINGS WHENEVER POSSIBLE. A CHRONOLOGICAL ORDER UNDER THESE HEADINGS IS MAINTAINED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 897 20/2 7/3
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
STRUCTURE OF ORGANIC CRYSTALS: ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: REPT. NO. 2 ON ATD WORK ASSIGNMENT NO. 79, TASK 29,
DEC 65 20P SEEMANN,VICTOR I
REPT. NO. ATD-65-104
MONITOR: TT , 66-60263

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BIBLIOGRAPHY BASED ON SOVIET OPEN-SOURCE MATERIALS FOR 1964. APPENDICES 1 AND 2 ARE INDICES OF AUTHORS AND ASSOCIATIONS RESPECTIVELY. REPT. ON SURVEYS OF SOVIET SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*ORGANIC COMPOUNDS, CRYSTAL STRUCTURE), (*CRYSTAL STRUCTURE, BIBLIOGRAPHIES), USSR (U)

THE ANNOTATED BIBLIOGRAPHY WAS COMPILED FROM SOVIET OPEN SOURCES PUBLISHED IN 1964. IT IS THE SECOND IN A SERIES AND ENTRIES ARE ARRANGED ALPHABETICALLY BY AUTHOR. ARTICLES DEALING WITH ELECTRON MICROSCOPY WERE NOT INCLUDED. 83 ENTRIES CONTAIN BRIEF ANNOTATIONS INDICATING THE METHOD OF INVESTIGATION, EQUIPMENT USED, ETC. MATERIALS INVESTIGATED INCLUDE: DINITRONAPHTALENE, QUASIAROMATIC COPPER COMPLEXES, ALPHA-PINENE MOLECULES, POLYACRYLONITRILE, DIACIDODIETHYLENEDIAMINE COMPOUNDS, VISCOSE CORD FIBER, PEPSIN, LIQUID CRYSTALS, ROCHELLE SALT, POLYTRIFLUOROCHLOROETHYLENE, L-PHENYLALANINE HYDROCHLORIDE, BIFERROCENYL STRUCTURE, POLYBENZIMIDAZOLES, PENTAERYTHRITOL, DINITROALKANES, DIURENES, DIGUANIDINES, CELLULOSE NITRATES, DICYANDIAMIDE, CELLULOSE ETHERS, POLYPROPYLENE SPHERULITES, FERROCENEDISULFONYL CHLORIDE, STEARATES OF CO(II) AND NI(II), AND DIPHENYLMERCURY. THERE ARE TWO APPENDIXES: 1. AUTHOR INDEX, AND 2. ASSOCIATION INDEX. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 615 20/3
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
BIBLIOGRAPHY ON THERMOELECTRICITY, (U)
NOV 58 25P GOLDMAN,S. I
REPT. NO. TG-324
CONTRACT: NORD-7386
MONITOR: TT , 66-60265

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*THERMOELECTRICITY, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, THERMOELECTRICITY), SEMICONDUCTORS, REPORTS, USSR, GREAT BRITAIN, FRANCE, SWITZERLAND, NETHERLANDS (U)

BIBLIOGRAPHY ON THERMOELECTRICITY.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-627 167 20/12
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
COMPOUND SEMICONDUCTORS: ANALYTICAL SURVEY. (U)
DESCRIPTIVE NOTE: REPT. NO. 1 ON ATD WORK ASSIGNMENT NO. 79, TASK 30.
DEC 65 73P
REPT. NO. ATD-65-99
MONITOR: TT , 66-60385

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET-BLOC OPEN SOURCE MATERIAL FOR THE PERIOD 1 JUL-31 DEC 63, AND ALSO MATERIAL FOR 1 JAN-30 JUN 63 WHICH WAS NOT INCLUDED IN REPT. 2 OF AID WORK ASSIGNMENT NO. 41, TASK NO. 12.

DESCRIPTORS: (*SEMICONDUCTORS, REVIEWS), BIBLIOGRAPHIES, SCIENTIFIC ORGANIZATIONS, USSR (U)

THE ANALYTICAL SURVEY IS BASED ON SOVIET-SATELLITE OPEN SOURCES PUBLISHED 1963-1964. IT IS THE FIRST REPORT IN THIS SERIES AND IT CONSISTS OF A FORWARD, AN ANALYSIS OF DATA FOR THE ENTIRE YEAR 1963, AND AN ANNOTATED BIBLIOGRAPHY WITH 139 ENTRIES. SECTION 1 OF THE BIBLIOGRAPHY (AIIIBV COMPOUNDS) IS COMPRISED OF 46 ENTRIES, SECTION 2 (AIIBVI COMPOUNDS) OF 70 ENTRIES, AND SECTION 3 (AIVBIV COMPOUNDS) OF 3 ENTRIES. THERE ARE 3 APPENDIXES: (1) TOPIC TAGS INDEX; (2) AUTHOR INDEX; (3) ASSOCIATIONS INDEX. THE FOLLOWING COMPOUNDS ARE COVERED: INDIUM PHOSPHIDE, INDIUM ANTIMONIDE, GALLIUM ANTIMONIDE, GALLIUM ARSENIDE, GALLIUM PHOSPHIDE, ALUMINUM NITRIDE, CADMIUM TELLURIDE, GALLIUM NITRIDE, INDIUM NITRIDE, BORON PHOSPHIDE, CADMIUM SELENIDE, CADMIUM SULFIDE, MERCURY SULFIDE, ZINC SULFIDE, ZINC TELLURIDE, MERCURY TELLURIDE, AND SILICON CARBIDE. ACCORDING TO THE ANALYST THE FOLLOWING TRENDS HAVE BECOME APPARENT: (1) THE NUMBER OF STUDIES MADE BY NONCENTRALLY LOCATED SCIENTIFIC INSTITUTIONS HAS INCREASED AT THE EXPENSE OF THE CENTRAL INSTITUTES; (2) A CERTAIN SPECIALIZATION OF RESEARCH INSTITUTIONS IS APPARENT; (3) NEW FACILITIES ARE BEING DEVELOPED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-627 901 20/9
GRADUATE AERONAUTICAL LABS CALIF INST OF TECH
PASADENA
BIBLIOGRAPHY ON MHD CHANNEL FLOW. (U)
DESCRIPTIVE NOTE: FINAL REPT., PT. 3,
65 18P HARSTAD,K. I
CONTRACT: AF49(638)-1348
PROJ: AF-4661
TASK: 4661246
MONITOR: AFOSR , 65-2019

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MAGNETOHYDRODYNAMICS, BIBLIOGRAPHIES), FLUID FLOW, MAGNETIC FIELDS, MAGNETOHYDRODYNAMIC GENERATORS (U)

A BIBLIOGRAPHY OF ONE HUNDRED AND SEVENTY REFERENCES IS PRESENTED ON MAGNETOHYDRODYNAMIC CHANNEL FLOW. THE REFERENCES ARE ARRANGED ALPHABETICALLY BY AUTHOR, GENERALLY WITH BRIEF ANNOTATIONS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-628 200 20/14 4/2 17/9 20/5
LINCOLN LAB MASS INST OF TECH LEXINGTON
SCATTERING AND ATTENUATION BY PRECIPITATION
PARTICLES. (U)
AUG 65 72P BOUDREAU,CAROL A. !
STONE,MELVIN L. !
REPT. NO. REF BIBLIOGRAPHY-26
CONTRACT: AF 19(628)-5167,
PROJ: AF-649L
MONITOR: ESD , TDR-65-598

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*RADAR SIGNALS, SCATTERING), (*LASERS, SCATTERING), (*ATMOSPHERIC PRECIPITATION, INTERFERENCE), (*METEOROLOGICAL RADAR, BIBLIOGRAPHIES), RADAR INTERFERENCE, OPTICAL PHENOMENA, ATTENUATION, MICROWAVES, PROPAGATION, CLOUDS, FOG, THERMAL RADIATION, DIELECTRICS, PARTICLES (U)

THIS BIBLIOGRAPHY IS OFFERED TO ENCOURAGE THE FURTHER APPLICATION OF RADAR METEOROLOGICAL TECHNIQUES AND DATA IN CONNECTION WITH THE STUDY OF THE EFFECTS OF HYDROMETEORS, PRECIPITATION, CLOUDS AND FOG ON MICROWAVE PROPAGATION. IT COMBINES MATERIAL DEVELOPED IN REGARD TO WEATHER RADAR RESEARCH WITH THE MORE CONVENTIONAL WORKS ON ATTENUATION. IN ADDITION TO THE WEATHER RADAR MATERIAL, THE BIBLIOGRAPHY INCLUDES REFERENCES ON THERMAL RADIATION FROM PRECIPITATION, CLOUD PHYSICS, AND DIELECTRIC AND SCATTERING PROPERTIES OF HYDROMETEORS. SOME OF THE REFERENCES ARE PERTINENT TO THE STUDY OF PROPAGATION AT OPTICAL WAVELENGTHS AND ARE USEFUL IN EVALUATING THE PERFORMANCE OF LASER COMMUNICATIONS SYSTEMS. THE 494 REFERENCES INCLUDED ARE FROM THE LITERATURE PUBLISHED BETWEEN JANUARY 1950 AND OCTOBER 1964. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 295 20/4
MASSACHUSETTS INST OF TECH CAMBRIDGE ENGINEERING PROJECTS LAB
AN INDEX TO THE TWO-PHASE GAS-LIQUID FLOW LITERATURE.
PART III. (U)
JAN 66 262P GOUSE,S. WILLIAM ,JR.
REPT. NO. DSR-8734-6.
CONTRACT: NONR-184(73).

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-607 180.

DESCRIPTORS: (*TWO-PHASE FLOW, BIBLIOGRAPHIES), STATE-OF-THE-ART REVIEWS, GAS FLOW, FLUID FLOW, INDEXES (U)

A TOTAL OF 1,453 SEPARATE REFERENCES ON CERTAIN TYPES OF TWO-PHASE GAS-LIQUID FLOW PHENOMENA WERE FOUND, VERIFIED, LISTED, AND INDEXED BY SUBJECT AND PRINCIPAL AUTHOR. THIS LITERATURE SURVEY WAS CARRIED OUT AS ONE PHASE OF A CONTINUING PROGRAM TO DETERMINE THE STATE OF THE ART IN TWO-PHASE GAS-LIQUID FLOW PHENOMENA. THIS IS THE TERMINAL REPORT OF A PROGRAM THAT HAS SEEN THE PUBLICATION OF TWO PRIOR INDICES, TOTALING 5,235 REFERENCES ON TWO-PHASE GAS-LIQUID FLOW. THE PROBLEM AREAS OF CONDENSATION, CAVITATION, AND ATOMIZATION HAVE BEEN GENERALLY EXCLUDED, EXCEPT THROUGH ERROR OR WHEN REFERENCES WERE OF SUCH A BASIC CHARACTER AS TO BE GENERALLY USEFUL. A FREQUENCY OF CITATION ANALYSIS WAS CARRIED OUT TO DETERMINE WHICH OF THE 5,235 REFERENCES HAVE BEEN MOST FREQUENTLY CITED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 602 20/8
AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OHIO
THE MEASUREMENTS OF E/M, AN ANNOTATED
BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.,
MAY 60 53P VINCZE,TIBOR I
REPT. NO. TR-60-3,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ELECTRONS, PHYSICAL PROPERTIES),
BIBLIOGRAPHIES, ELECTROSTATICS, MEASUREMENT,
REVIEWS, ELECTRON BEAMS (U)
IDENTIFIERS: MASS (U)

A HISTORICAL REVIEW IS PRESENTED OF LITERATURE FROM
1897 TO 1957. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-632 594 20/4
MASSACHUSETTS INST OF TECH CAMBRIDGE ENGINEERING PROJECTS LAB
DETERMINATION OF THE STATE OF THE ART IN TWO-PHASE GAS-LIQUID FLOW PHENOMENON. (U)
DESCRIPTIVE NOTE: FINAL REPT., 1 FEB 61-31 DEC 65, APR 66 6P GOUSE,S. W. ,JR.;
CONTRACT: NONR-1841(73),
PROJ: DSR-8734,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*TWO-PHASE FLOW, STATE-OF-THE-ART REVIEWS), (*GAS FLOW, TWO-PHASE FLOW), (*LIQUIDS, TWO-PHASE FLOW), RESEARCH PROGRAM ADMINISTRATION, BIBLIOGRAPHIES (U)

THE PURPOSE OF THE PROGRAM WAS TO CONDUCT AN EXTENSIVE AND DETAILED STUDY OF THE LITERATURE ON TWO-PHASE GAS-LIQUID FLOW PHENOMENA AND TO COMPILE THE RESULTS OF SUCH A STUDY IN A USEFUL FORM. A THREE-PART BIBLIOGRAPHY AND SUBJECT INDEX TO THE LITERATURE WERE PUBLISHED LISTING AND INDEXING BY SUBJECT 5,253 SEPARATE REFERENCES ON TWO-PHASE GAS-LIQUID FLOW PHENOMENA, EXCLUDING THE PROBLEM AREAS OF CONDENSATION, CAVITATION, AND ATOMIZATION. FOUR TECHNICAL REPORTS, PRESENTING REVIEWS OF VARIOUS PROBLEM AREAS WERE ALSO COMPLETED AND DISTRIBUTEDD. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-633 101 20/9
STANFORD UNIV CALIF INST FOR PLASMA RESEARCH
BIBLIOGRAPHY OF STANFORD REPORTS, PAPERS AND
CONFERENCE PRESENTATIONS ON PLASMA PHYSICS. (U)
FEB 66 66P
REPT. NO. SU-IPR-52.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PLASMA PHYSICS, *BIBLIOGRAPHIES),
SCIENTIFIC RESEARCH, REPORTS, SYMPOSIA (U)

CONTENTS: PUBLICATIONS SINCE FORMATION OF
INSTITUTE FOR PLASMA RESEARCH. PUBLICATIONS
BEFORE FORMATION OF INSTITUTE FOR PLASMA
RESEARCH: AERONAUTICS AND ASTRONAUTICS
DEPARTMENT, MECHANICAL ENGINEERING
DEPARTMENT, MICROWAVE LABORATORY, STANFORD
ELECTRONICS LABORATORY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-633 139 20/4 1/3
DAVID TAYLOR MODEL BASIN WASHINGTON D C AERODYNAMICS LAB
LITERATURE SEARCH AND COMPREHENSIVE BIBLIOGRAPHY OF WINGS IN GROUND EFFECT AND RELATED PHENOMENA, (U)
MAR 66 106P FOSHAG,WILLIAM F. I
REPT. NO. AERO-1098,
MONITOR: DTMB , 2179

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*WINGS, BIBLIOGRAPHIES), (*GROUND EFFECT, WINGS), SEAPLANES, AERODYNAMIC CHARACTERISTICS, LIFT, GROUND EFFECT MACHINES, HYDROFOILS, VERTICAL TAKE-OFF PLANES, SHORT TAKE-OFF PLANES, HYDRODYNAMICS, METEOROLOGY, AIRFOILS, WIND TUNNELS (U)
IDENTIFIERS: KATZMAYER EFFECT (U)

A COMPREHENSIVE SURVEY AND LITERATURE SEARCH IS MADE OF THE GENERAL FIELD OF WINGS OPERATING IN GROUND EFFECT AND RELATED PHENOMENA. COMMENTS ARE INCLUDED OF SOME OF THE PAPERS PUBLISHED, TO PRESENT A SKETCH OF THE METHODS OF APPROACH OF A NUMBER OF AUTHORS. THE BIBLIOGRAPHY PRESENTS SOURCES WHICH CONSIDER THE PROBLEM FROM THE THEORETICAL, EXPERIMENTAL, AND/OR APPLICATIONS POINT OF VIEW. TABLES ARE INCLUDED WHICH PROVIDE A CONVENIENT BREAKDOWN OF THE VARIOUS SOURCES, FOR A QUICKER METHOD OF LOCATING SPECIFIC REFERENCES DEALING WITH AN AREA OF SPECIAL INTEREST TO THE READER. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-634 013 20/6
UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES DEPT OF ELECTRICAL ENGINEERING
RESEARCH IN OPTICAL COHERENCE. (U)
DESCRIPTIVE NOTE: FINAL REPT.,
DEC 65 20P MACMILLAN,ROBERT S. |
YOUNG,GREGORY O. |ARNETT,JAMES D. |
PRATT,WILLIAM K. |
REPT. NO. USCEE-168,
CONTRACT: AF-AFOSR-188-65,
PROJ: AF-9768,
TASK: 976802,
MONITOR: AFOSR , 66-0917

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (OPTICS, STATE-OF-THE-ART REVIEWS), LIGHT COMMUNICATION SYSTEMS, INFORMATION THEORY, BIBLIOGRAPHIES (U)
IDENTIFIERS: OPTICAL COHERENCE (U)

CONTENTS: COHERENCE STUDIES, FUNCTIONAL TRANSFORMATIONS, OPTICAL POLARIZATION MODULATION, A TEST FOR ERGODICITY FOR A CERTAIN CLASS OF RANDOM PROCESSES, LENS SYSTEM OPTIMIZATION, BIBLIOGRAPHY OF PUBLICATIONS. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-635 197 20/3
NAVAL ORDNANCE LAB CORONA CALIF
BIBLIOGRAPHY ON THE HALL EFFECT THEORY, DESIGN AND APPLICATIONS. SUPPLEMENT II. (U)
JUN 66 33P TURNBULL, W. R. I
REPT. NO. NOLC-659,
TASK: RREN-04-012/211-1/F008-21-01,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*HALL EFFECT, BIBLIOGRAPHIES), ELECTRONIC EQUIPMENT, ELECTRICAL ENGINEERING (U)

THIS SUPPLEMENT CONTINUES THE INTERNATIONAL SURVEY OF UNCLASSIFIED SCIENTIFIC PAPERS AND REPORTS ON RESEARCH AND DEVELOPMENT OF THE HALL EFFECT, AND ON ELECTRONIC DEVICES BASED ON THE HALL EFFECT, TO 1 APRIL 1966. THE BASIC DOCUMENT WAS NAVWEPS REPORT 7233 (AD-283 808); SUPPLEMENT 1 WAS NAVWEPS REPORT 8168 (AD-420 105). (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-635 495 20/2 20/12 13/8
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
ULTRAHIGH PRESSURE STUDIES AND CRYSTAL GROWTH TECHNIQUES: ANALYTICAL SURVEY. (U)
DESCRIPTIVE NOTE: REPT. NO. 1 ON ATD WORK ASSIGNMENT NO. 79, TASK 25.
MAY 66 64P KOURILO, JOHN J. :
REPT. NO. ATD-66-56,
MONITOR: TT 66-61772

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BSED ON SOVIET-SATELLITE OPEN SOURCES PUB. IN 1963. REPT. ON SURVEYS OF FOREIGN SCIENTIFIC AND TECHANICAL LITERATURE.

DESCRIPTORS: (*CRYSTALS, *HIGH-PRESSURE RESEARCH), (*CRYSTAL GROWTH, SINGLE CRYSTALS), USSR, ABSTRACTS, BIBLIOGRAPHIES, FILMS, SEMICONDUCTORS, EPITAXIAL GROWTH, SEMICONDUCTING FILMS, LASERS, PIEZOELECTRIC CRYSTALS, LUMINESCENCE, FERROELECTRIC CRYSTALS, FERROMAGNETIC MATERIALS, DIELECTRICS, INORGANIC COMPOUNDS (U)
IDENTIFIERS: THIN FILMS (M)

THIS REPORT IS DIVIDED INTO TWO MAIN PARTS (ANALYTICAL EVALUATION OF DATA AND ANNOTATED BIBLIOGRAPHY), EACH HAVING THREE SECTIONS. THE THREE SECTIONS ARE: GENERAL STUDIES, ULTRAHIGH PRESSURE STUDIES, AND CRYSTAL GROWTH TECHNIQUES, IN THAT ORDER. SECTION 3 WAS FURTHER SUBDIVIDED, FOR THE PURPOSE OF RETRIEVAL, INTO SIX CHAPTERS ACCORDING TO THE CATEGORY OF THE GROWTH TECHNIQUE. THE CHAPTERS ARE: A. GROWTH FROM MELTS; B. GROWTH FROM SOLUTION (FLUX); C. HYDROTHERMAL GROWTH; D. GROWTH FROM VAPOR PHASE; E. EPITAXIAL GROWTH OF THIN FILMS; F. OTHER GROWTH TECHNIQUES. THE REPORT INCLUDES MATERIAL DEALING WITH ULTRAHIGH PRESSURE STUDIES AND TECHNIQUES OF SINGLE CRYSTAL GROWTH (INCLUDING DEPOSITION OF SINGLE CRYSTALLINE THIN FILMS) OF THE ELEMENTAL SEMICONDUCTORS AND SEMICONDUCTING, LASING, LUMINESCENT, FERROELECTRIC, FERROMAGNETIC, PIEZOELECTRIC, DIELECTRIC, AND OTHER INORGANIC COMPOUNDS WHICH MAY BE OF INTEREST FOR AEROSPACE TECHNOLOGY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 270 20/8
NAVAL RESEARCH LAB WASHINGTON D C
BIBLIOGRAPHY OF TRITON INDUCED REACTIONS, (U)
AUG 65 35P OWEN,DAVID I
REPT. NO. NRL-BIB-28,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*TRITONS, *NUCLEAR REACTIONS),
BIBLIOGRAPHIES, ABSTRACTS, INDEXES, TRITON
BOMBARDMENT (U)

THE BIBLIOGRAPHY CONTAINS SUMMARIES OF THE ARTICLES PUBLISHED ON TRITON INDUCED REACTION BETWEEN 1961 AND 1965. ALSO INCLUDED IS BOTH AN AUTHOR AND A SUBJECT INDEX TO INCREASE THE UTILITY OF THE BIBLIOGRAPHY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 465 20/11 11/6 11/2 11/9
BATTELLE MEMORIAL INST COLUMBUS OHIO COLUMBUS LABS
DAMPING CAPACITY OF MATERIALS, (U)
JAN 66 391P MARINGER,ROBERT E. ;
CONTRACT: DA-01-021-AMC-11706(Z),
MONITOR: RSIC 608-VOL-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*MATERIALS, INTERNAL FRICTION),
(*DAMPING, MATERIALS), SOLIDS, METALS,
ALLOYS, POLYMERS, CERAMIC MATERIALS,
BIBLIOGRAPHIES, PLASTICS (U)

THE REPORT CONTAINS A BRIEF INTRODUCTION TO THE FIELD OF DAMPING CAPACITY IN MATERIALS AND AN EXTENSIVE, ANNOTATED BIBLIOGRAPHY. THE INTRODUCTORY MATERIAL PRESENTS THE FUNDAMENTALS OF DAMPING, GENERAL METHODS OF MEASURING INTERNAL FRICTION OR DAMPING CAPACITY, AND SOME REPRESENTATIVE DAMPING PROPERTIES. THE BIBLIOGRAPHY CONTAINS OVER 2300 REFERENCE TO PERTINENT LITERATURE PUBLISHED FROM 1958 THROUGH 1965, AND IS CROSS-INDEXED BY BOTH AUTHOR AND SUBJECT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 689 20/11 11/6 11/2 11/4
11/9
BATTELLE MEMORIAL INST COLUMBUS OHIO
DAMPING CAPACITY OF MATERIALS, (U)
JAN 66 394P MARINGER,ROBERT E. I
CONTRACT: DA-01-021-AMC-11706(Z),
MONITOR: RSIC 508-VOL-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-640 465.

DESCRIPTORS: (*MATERIALS, *DAMPING),
BIBLIOGRAPHIES, INTERNAL FRICTION, METALS,
ALLOYS, CERAMIC MATERIALS, PLASTICS, COMPOSITE
MATERIALS (U)

THIS REPORT CONTAINS A BRIEF INTRODUCTION TO THE FIELD OF DAMPING CAPACITY IN METALS AND AN EXTENSIVE, ANNOTATED BIBLIOGRAPHY. THE INTRODUCTORY MATERIAL PRESENTS THE FUNDAMENTALS OF DAMPING, GENERAL METHODS OF MEASURING INTERNAL FRICTION OR DAMPING CAPACITY, AND SOME REPRESENTATIVE DAMPING PROPERTIES. THE BIBLIOGRAPHY CONTAINS OVER 2300 REFERENCES TO PERTINENT LITERATURE PUBLISHED FROM 1955 THROUGH 1965, AND IS CROSS-INDEXED BY BOTH AUTHOR AND SUBJECT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-641 176 20/4
NAVAL ORDNANCE LAB WHITE OAK MD
THE WATER ENTRY PROBLEM WITH BIBLIOGRAPHY, (U)
AUG 66 85P PARR,WALLACE E. I
REPT. NO. NOLTR-66-173,MATHEMATICS DEPT-M-65

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*WATER ENTRY, *MATHEMATICAL MODELS), (*BIBLIOGRAPHIES, WATER ENTRY), HYDRODYNAMICS (U)

THE REPORT IS A SURVEY OF THE WATER ENTRY PROBLEM AND ITS VARIOUS MATHEMATICAL FORMULATIONS. INCLUDED ARE DISCUSSIONS ON THE INCOMPRESSIBLE CASE, THE COMPRESSIBLE CASE, THE LINEARIZED INCOMPRESSIBLE, THE LINEARIZED COMPRESSIBLE, REFLECTED LINEARIZED INCOMPRESSIBLE, LAGRANGIAN, TWO-DIMENSIONAL AND AXIALLY-SYMMETRIC CASES. ALSO DISCUSSED ARE THE SOURCE AND DIPOLE FORMULATIONS, CALCULATION OF ADDED MASSES, SIMILAR SOLUTIONS, PROBLEMS RELATED TO WATER ENTRY, AND A NOTE OF CAUTION CONCERNING THE CONSERVATION OF MASS IN AN INFINITE REGION. FINALLY, A FAIRLY EXTENSIVE BIBLIOGRAPHY IS GIVEN PRIMARILY COVERING THEORETICAL WORK ON THE WATER ENTRY AND RELATED PROBLEMS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-641 504 20/14 20/10
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
RELATIVISTIC EFFECT ON THE CLASSICAL DOPPLER SHIFT: AN ANNOTATED BIBLIOGRAPHY. (U)
FEB 64 10P BLAU,EDMUND J. 1
REPT. NO. TG-230-B2
CONTRACT: NOW-62-0604

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, *DOPPLER EFFECT), (*RELATIVITY THEORY, DOPPLER EFFECT), ABSTRACTS, PHYSICS (U)
IDENTIFIERS: DOPPLER SHIFT (U)

THE CLASSICAL PROBLEM OF THE DOPPLER SHIFT OF RADIATION TRANSMITTED BETWEEN TWO BODIES MOVING RELATIVE TO EACH OTHER TOOK ON A NEW ASPECT WITH THE ADVENT OF THE SPACE AGE IN 1957. WHEN MEASUREMENTS ARE MADE BETWEEN THE EARTH AND AN ARTIFICIAL SATELLITE, THE DISTANCE BETWEEN THE OBJECTS IS LARGE ENOUGH SO THAT THE FINITE TIME OF PROPAGATION OF A SIGNAL BETWEEN THE TWO MUST BE TAKEN INTO ACCOUNT. THE CLASSICAL EQUATIONS FOR THE DOPPLER EFFECT MUST ACCORDINGLY BE MODIFIED OR GENERALIZED TO TAKE INTO ACCOUNT THIS RELATIVISTIC EFFECT. WHILE THE CONCEPT OF SIMULTANEITY IN RELATION TO MEASUREMENT AT A DISTANCE WAS NOT NEGLECTED IN EARLIER PAPERS ON RELATIVITY, THE RECENT PRACTICAL IMPORTANCE OF THE PROBLEM HAS GIVEN RISE TO A NUMBER OF NEW PAPERS IN WHICH THE THEORETICAL AND MATHEMATICAL ASPECTS OF THE DOPPLER EFFECT ARE EXAMINED CRITICALLY IN THE LIGHT OF RELATIVITY THEORY. IT IS THESE NEW INVESTIGATIONS WHICH FORM THE SUBJECT MATTER OF THE PRESENT BIBLIOGRAPHY. THE REFERENCES INCLUDED WERE OBTAINED FROM PHYSICS ABSTRACTS AND ELECTRICAL ENGINEERING ABSTRACTS AND THE PERIOD COVERED WAS 1956 THROUGH 1963. THE ABSTRACTS WERE TAKEN FROM THE ABSTRACT JOURNALS, AS NOTED, EXCEPT FOR THAT OF ARTICLE 10, WHICH WAS WRITTEN BY THE COMPILER. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 54: 20/12 11/6
FEDERAL AVIATION AGENCY OKLAHOMA CITY OKLA AERONAUTICAL CENTER
CRACK PROPAGATION: SELECTED REFERENCES. (U)
JAN 65 57P
REPT. NO. FAA BIBLIOGRAPHIC LIST-3

UNCLASSIFIED REPORT

DESCRIPTORS: (*FRACTURE(MECHANICS), BIBLIOGRAPHIES), ACOUSTICS, ALUMINUM, CORROSION, LOADING(MECHANICS), STRESSES, MATERIALS, STEEL, STRUCTURES, TEMPERATURE, TITANIUM, TESTS (U)

CONTENTS: ACOUSTICS; ALUMINUM; COMPONENTS; CORROSION; LOADING AND STRESS; MATERIALS; STEEL; STRUCTURES; TEMPERATURE; TITANIUM; TESTING. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-643 127 20/8 18/8
ARMED FORCES RADIOBIOLOGY RESEARCH INST BETHESDA MD
GAMMA RAY SPECTRAL ANALYSIS: A SELECTED
BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: SPECIAL PUBLICATION.
SEP 66 26P MASON,G. F. I
REPT. NO. AFRRI-SP66-10

UNCLASSIFIED REPORT

DESCRIPTORS: (*GAMMA-RAY SPECTROSCOPY,
BIBLIOGRAPHIES), RADIOACTIVE ISOTOPES,
RADIOACTIVE FALLOUT, NUCLEAR RADIATION
SPECTROMETERS, RADIOACTIVATION ANALYSIS (U)

THIS BIBLIOGRAPHY IS A COLLECTION OF REFERENCES WHICH DEALS WITH THE ANALYSIS OF GAMMA SPECTRA BY ALL METHODS. ENTRIES ARE LIMITED TO THOSE SOURCES WHICH DEAL WITH THE ACTUAL ANALYSIS PHASE OF GAMMA SPECTROSCOPY BUT SOME DETAILS ARE PRESENT CONCERNING EQUIPMENT AND SAMPLE PREPARATION BECAUSE MANY GROUPS HAVE PUBLISHED SYSTEMS IN THEIR ENTIRETY. IN EVERY CASE, HOWEVER, THERE IS A SECTION ON DATA ANALYSIS AFTER ACQUISITION. SOME REFERENCES CONTAIN THEORETICAL MATERIAL NECESSARY FOR THE DEVELOPMENT OF AN OPERATING SYSTEM, OR THE RESULTS OF STUDIES OF THEORETICAL METHODS. ALL OF THE REFERENCES ARE FROM THE PERIOD 1956 TO 1966. AN AUTHOR INDEX IS INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-643 212 20/3
POLYTECHNIC INST OF BROOKLYN N Y MICROWAVE RESEARCH INST
BIBLIOGRAPHY ON THE ENGINEERING OF HIGH INTENSITY MAGNETIC FIELDS. (U)
MAR 60 8P KRAMARENKO,PETER I
REPT. NO. MEMO-14 ,PIBMRI-822-60
CONTRACT: AF-30(602)-2149

UNCLASSIFIED REPORT

DESCRIPTORS: (MAGNETIC FIELDS, BIBLIOGRAPHIES), COILS, DESIGN, INTENSITY (U)

ANYBODY INTERESTED IN THE PROBLEMS ASSOCIATED WITH THE VARIOUS ASPECTS OF THE DESIGN OF COILS FOR HIGH INTENSITY MAGNETIC FIELDS WILL FIND THAT THE SUBJECT MATTER INVOLVED IS SCATTERED THROUGHOUT THE AVAILABLE LITERATURE. PAPERS HAVE BEEN LISTED IN CHRONOLOGICAL ORDER AND SOME NOTES ABOUT THE CONTENTS HAVE BEEN ADDED WHENEVER THE PAPERS WERE AVAILABLE. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-644 489 20/14 17/2
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS LAB
ELECTROMAGNETIC WAVE PROPAGATION IN CONDUCTING MEDIA: AN ANNOTATED BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: APL LIBRARY BULLETIN,
SEP 66 64P BLAU,E. J. ILUN,M. J. I
REPT. NO. TG-230-B6
CONTRACT: NOW-62-0604

UNCLASSIFIED REPORT

DESCRIPTORS: (*RADIO TRANSMISSION, OCEANS), (*ELECTROMAGNETIC WAVES, PROPAGATION), (*BIBLIOGRAPHIES, ELECTROMAGNETIC WAVES), ABSTRACTS, UNDERWATER COMMUNICATION SYSTEMS, ANTENNAS, THEORY (U)

THIS DOCUMENT IS AN ANNOTATED BIBLIOGRAPHY OF THE JOURNAL AND TECHNICAL REPORT LITERATURE (TO AUGUST 1966) ON ELECTROMAGNETIC WAVE PROPAGATION IN CONDUCTING MEDIA, WITH EMPHASIS ON THE OCEAN. REFERENCES ON ANTENNA THEORY AND PERFORMANCE ARE ALSO INCLUDED. THIS WORK INCLUDES 164 REFERENCES AND AN AUTHOR INDEX. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-645 393 20/8 18/2
CALIFORNIA INST OF TECH PASADENA
ENERGY LEVELS OF LIGHT NUCLEI (VII). A=5-10, (U)
SEP 66 178P LAURITSEN,T. FAJZENBERG-
SELOVE,F. ;
CONTRACT: NONR-220(47)

UNCLASSIFIED REPORT
AVAILABILITY: PUBLISHED IN NUCLEAR PHYSICS V78 N1
P1-176 1966.
SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH
HAVERFORD COLL., PA. SEE ALSO AD-287 127.

DESCRIPTORS: (*NUCLEAR ENERGY LEVELS, REVIEWS),
(*HYDROGEN, NUCLEAR ENERGY LEVELS), (*HELIUM,
NUCLEAR ENERGY LEVELS), (*LITHIUM, NUCLEAR
ENERGY LEVELS), (*BERYLLIUM, NUCLEAR ENERGY
LEVELS), (*BORON, NUCLEAR ENERGY LEVELS),
NUCLEAR STRUCTURE, NUCLEAR PROPERTIES, NUCLEAR
REACTIONS, TABLES, DIAGRAMS, BIBLIOGRAPHIES,
NUCLEAR ISOBARS (U)

THE ARTICLE IS A SUMMARY OF EXISTING EXPERIMENTAL
INFORMATION ON THE STRUCTURE AND PROPERTIES OF THE
NUCLEI WITH MASS NUMBERS FIVE THROUGH TEN. EACH
NUCLEUS IS REPRESENTED BY A DIAGRAM AND A TABLE
EXHIBITING THE KNOWN PROPERTIES OF THE ENERGY LEVELS
AND THE NUCLEAR REACTIONS FROM WHICH THE INFORMATION
DERIVES. THE ACCOMPANYING TEXT CONTAINS AN
ABBREVIATED DISCUSSION AND A SELECTED BIBLIOGRAPHY
FOR EACH RELEVANT REACTION. SINCE MOST NUCLEAR
REACTIONS PROVIDE INFORMATION ON MORE THAN ONE
NUCLEUS EACH REACTION IS LISTED UNDER BOTH THE
COMPOUND AND THE RESIDUAL NUCLEI, WITH DIFFERENTLY
ORIENTED DISCUSSIONS AND PARTIALLY OVERLAPPING
BIBLIOGRAPHIES. AT THE BEGINNING OF THE TEXT
MATERIAL ON EACH NUCLEUS, A 'GENERAL' BIBLIOGRAPHY IS
LISTED. THIS LISTING CONSISTS MAINLY OF
THEORETICAL PAPERS DEALING WITH THIS NUCLEUS,
ALTHOUGH SOME EXPERIMENTAL PAPERS NOT OTHERWISE
CLASSIFIABLE ARE ALSO INCLUDED. (U)

DOC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-649 862 20/8 7/4
NATIONAL BUREAU OF STANDARDS BOULDER COLO LAB ASTROPHYSICS DIV
BIBLIOGRAPHY OF LOW ENERGY ELECTRON COLLISION CROSS SECTION DATA, (U)
MAR 67 96P KIEFFER,L. J.
MONITOR: NBS MISCELLANEOUS PUB-289

UNCLASSIFIED REPORT
AVAILABILITY: HARD COPY AVAILABLE FROM SUPERINTENDENT OF DOCUMENTS, GPO, WASHINGTON, D. C. 20402 $0.60.

DESCRIPTORS: (*ELECTRONS, SCATTERING), (*ELECTRON BOMBARDMENT, BIBLIOGRAPHIES), PROBABILITY, INTERACTIONS, POSITRONS, ELASTIC SCATTERING, ATOMIC ENERGY LEVELS, MOLECULAR ENERGY LEVELS, GAS IONIZATION, RECOMBINATION REACTIONS, EXCITATION (U)
IDENTIFIERS: DEFENDER PROJECT (U)

A BIBLIOGRAPHY OF LOW ENERGY ELECTRON COLLISION CROSS SECTION DATA IS PRESENTED. ONLY REFERENCES WHICH REPORT ORIGINAL MEASUREMENTS OR CALCULATIONS OF ELECTRON COLLISION CROSS SECTIONS ARE INCLUDED. THE CROSS SECTION DATA FOR EACH PROCESS ARE LISTED BY ATOMIC SPECIES IN ORDER OF THEIR ATOMIC NUMBER. THE DATA FOR MOLECULES ARE LISTED IN ARBITRARY ORDER. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-651 376 20/3
STANFORD RESEARCH INST MENLO PARK CALIF
SUPERCONDUCTING DEVICES: A LITERATURE SURVEY. (U)
MAR 67 72P GOREE,WILLIAM S. I
EDELSACK,EDGAR A. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH OFFICE OF NAVAL RESEARCH, WASHINGTON, D. C.

DESCRIPTORS: (*SUPERCONDUCTORS, BIBLIOGRAPHIES), SUPERCONDUCTIVITY, REVIEWS (U)

THIS BIBLIOGRAPHY OF THE LITERATURE OF SUPERCONDUCTING DEVICES AND RELATED RESEARCH COVERS MOST EXTENSIVELY THE PERIOD FROM 1959 TO MARCH, 1967, AND CONTAINS APPROXIMATELY 1,000 ENTRIES REPRESENTING ENGLISH AND FOREIGN LANGUAGE PUBLICATIONS. ABOUT 300 ENTRIES ARE ON SPECIFIC SUPERCONDUCTING DEVICES. SOME 150 UNITED STATES PATENTS ARE ALSO LISTED. SO MANY REFERENCES WERE AVAILABLE RELATING SOLELY TO SUPERCONDUCTING MAGNETS AND COMPUTER ELEMENTS THAT THE LISTING OF THESE WAS RESTRICTED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-652 881 20/11
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS
A REPORT GUIDE TO FATIGUE TESTING LITERATURE. (U)
DESCRIPTIVE NOTE: MONOGRAPH SERIES,
MAY 67 69P MERHIB,CHARLES P. ;
REPT. NO. AMRA-MS-67-05

UNCLASSIFIED REPORT

DESCRIPTORS: (*FATIGUE(MECHANICS), TESTS),
BIBLIOGRAPHIES, ABSTRACTS, NON-DESTRUCTIVE
TESTING, FAILURE(MECHANICS), TEST METHODS,
CRACKS (U)

THE MAIN OBJECTIVE OF THE COMPILATION IS TO PROVIDE SIMPLE AND FAST ACCESS TO INFORMATION ON THE SUBJECT OF FATIGUE TESTING AND YET PROVIDE SUFFICIENT INFORMATION IN THE FORM OF ABSTRACTS AND WORD DESCRIPTORS TO MAKE THE LISTING USEFUL. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-655 066 20/4 1/1
RAND CORP SANTA MONICA CALIF
ENERGY TRANSFER IN PARTICLE-SURFACE INTERACTIONS IN HYPERVELOCITY FLIGHT: COMMENTARY AND BIBLIOGRAPHY, (U)
JUL 67 77P HURLBUT,F. C. ;
REPT. NO. RM-4885-PR
CONTRACT: F44620-67-C-0045

UNCLASSIFIED REPORT

DESCRIPTORS: (*HEAT TRANSFER, *FLIGHT), PARTICLES, SURFACES, INTERACTIONS, BIBLIOGRAPHIES, ENERGY, GAS FLOW, THERMAL CONDUCTIVITY (U)
IDENTIFIERS: HYPERVELOCITY FLIGHT (U)

THE MEMORANDUM REVIEWS THERMAL-ENERGY TRANSFER IN PARTICLE-SURFACE INTERACTIONS AND PRESENTS AN EXTENSIVE, PARTIALLY ANNOTATED BIBLIOGRAPHY OF LITERATURE RELEVANT TO THIS FIELD. THE SUBJECT AREA IS LIMITED TO NONREACTIVE ENERGY TRANSFER BETWEEN NEUTRAL GAS MOLECULES AND SURFACES AT ENERGY LEVELS OF INTEREST TO GAS DYNAMICISTS AND HENCE IS EXTENDED, IN THESE TERMS, FROM THE ENERGIES ASSOCIATED WITH GASES AT LOW TEMPERATURES TO THOSE ASSOCIATED WITH THE VELOCITIES OF SATELLITES. A SUMMARY OF VALUES OF THE THERMAL ACCOMMODATION COEFFICIENTS OBTAINED OVER THE YEARS IS GIVEN, AND THE EXPERIMENTAL METHODS USED AND THE CURRENT INTERPRETATION OF THE RESULTS ARE REVIEWED. A DISCUSSION AND EVALUATION OF CURRENT AND PAST THEORETICAL WORK IN THIS AREA IS ALSO INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-655 100 20/12 20/6 20/2 20/3
NAVAL ORDNANCE LAB CORONA CALIF
SEMICONDUCTING THIN FILMS: AN ANNOTATED
BIBLIOGRAPHY, 1956-1966. (U)
JUN 67 291P TURNBULL,W. R. ;
REPT. NO. NOLC-712
TASK: R-360-FR-104/211-1/R011-01-01

UNCLASSIFIED REPORT

DESCRIPTORS: (*SEMICONDUCTING FILMS, *BIBLIOGRAPHIES), REVIEWS, SOLID STATE PHYSICS, PHYSICAL PROPERTIES, PREPARATION, THEORY, GERMANIUM, SILICON, BORON, OPTICAL PROPERTIES, GALLIUM COMPOUNDS, INDIUM COMPOUNDS, CADMIUM COMPOUNDS, ZINC COMPOUNDS, MERCURY COMPOUNDS, SILICON CARBIDES, EPITAXIAL GROWTH (U)

A COMPREHENSIVE BIBLIOGRAPHIC SURVEY OF THE PREPARATION, PROPERTIES, APPLICATIONS, AND THEORY OF SEMICONDUCTING THIN FILMS IS PRESENTED. IT IS COMPRISED OF 976 REFERENCES PUBLISHED IN ENGLISH AND FOREIGN LANGUAGE PERIODICAL LITERATURE BETWEEN 1956 AND DECEMBER 1966. THE ABSTRACTS ARE ARRANGED BY AUTHOR UNDER THE FOLLOWING CLASSES: (1) ELEMENTAL, (2) GROUP III-V, (3) GROUP II-VI, (4) GROUP IV-VI, (5) GROUP IV-IV, AND (6) MISCELLANEOUS COMPOUNDS. ALL OF THE MATERIALS ARE INDEXED WITH THE EXCEPTION OF THE MISCELLANEOUS COMPOUNDS (GROUPS I-V, I-VI, AND I-VII). (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-655 774 20/5 17/2 17/8 13/8
14/5

AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD
MASS

A BIBLIOGRAPHY OF LASER APPLICATIONS. (U)

DESCRIPTIVE NOTE: SPECIAL REPORTS NO. 62,
APR 67 46P STICKLEY,C. MARTIN ;
GINGRANDE,ARTHUR ;

REPT. NO. AFCRL-67-0223

PROJ: AF-4645

TASK: 464502

UNCLASSIFIED REPORT

DESCRIPTORS: (*LASERS, BIBLIOGRAPHIES),
MEASUREMENT, LIGHT COMMUNICATION SYSTEMS, OPDAR,
INSTRUMENTATION, CHEMISTRY, PHOTOGRAPHY,
MATERIAL FORMING (U)

THE BIBLIOGRAPHY OF LASER APPLICATIONS CONTAINS 644 ENTRIES FROM THE OPEN LITERATURE FOR THE PERIOD 1961 THROUGH SEPTEMBER 1966. THE ENTRIES ARE DIVIDED INTO THE FOLLOWING MAJOR AREAS: MECHANICAL MEASUREMENTS AND STANDARDS; COMMUNICATIONS APPLICATIONS; RADAR AND TRACKING APPLICATIONS; MILITARY APPLICATIONS; OPTICAL SIGNAL PROCESSING; INTERFEROMETRY AND TESTING OF OPTICAL COMPONENTS; APPLICATIONS TO SCIENTIFIC STUDIES; APPLICATIONS IN CHEMISTRY; PHOTOGRAPHIC APPLICATIONS; METALWORKING; AND MISCELLANEOUS APPLICATIONS. THE ENTRIES ARE FURTHER SUBDIVIDED INTO 78 OTHER CATEGORIES. APPLICATIONS IN MEDICAL AND BIOLOGICAL RESEARCH ARE NOT INCLUDED; COMPLETE COVERAGE IN THE OTHER AREAS IS NOT GUARANTEED. UNDER SOME TOPICS (DETECTION TECHNIQUES, SPECTROSCOPY, INTERACTION WITH ACOUSTIC WAVES, PLASMA DIAGNOSTICS, NONLINEAR OPTICS, GAS BREAKDOWN, SCATTERING, HOLOGRAPHY) SO MUCH HAS BEEN PUBLISHED THAT ONLY REVIEW ARTICLES, ARTICLES OF MAJOR IMPORTANCE, AND VERY RECENT ARTICLES COULD BE INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-656 759 20/8 20/10 20/2
KAMAN NUCLEAR COLORADO SPRINGS COLO
X-RAY SCATTERING BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: REPT. FOR 1 SEP 66-31 AUG 67,
JUN 67 76P VEIGELE,WILLIAM J. I
REPT. NO. KN-738-67-2(R)
CONTRACT: N00014-67-C-0154

UNCLASSIFIED REPORT

DESCRIPTORS: (*X RAYS, SCATTERING),
BIBLIOGRAPHIES, INCOHERENT SCATTERING, COHERENT
SCATTERING, PHOTONS, INTERACTIONS, PROBABILITY,
X-RAY DIFFRACTION ANALYSIS, X-RAY SPECTROSCOPY,
CRYSTALLOGRAPHY (U)

THE DOCUMENT CONTAINS A BIBLIOGRAPHY OF
EXPERIMENTAL AND THEORETICAL PAPERS ON INCOHERENT AND
COHERENT SCATTERING OF X RAYS. ENTRIES ARE CROSS
INDEXED FOR THEORETICAL AND EXPERIMENTAL PAPERS, AND
ALL ENTRIES ARE VERIFIED IN SCIENCE ABSTRACTS,
MATHEMATICAL REVIEWS, OR NUCLEAR SCIENCE
ABSTRACTS TO FACILITATE OBTAINING LISTED PAPERS OR
INTERLIBRARY LOAN. (AUTHOR) (U)

PROPULSION AND FUELS

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-402 666
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
BIBLIOGRAPHY ON COMPRESSION IGNITION ENGINE LOW TEMPERATURE PROBLEMS. INDEX VOLUME. (U)
DESCRIPTIVE NOTE: SECOND EDITION,
62 40P MEYER,W.E.;
CONTRACT: DA36 034ORD3199RD

UNCLASSIFIED REPORT

DESCRIPTORS: *INTERNAL COMBUSTION ENGINES, *DIESEL ENGINES, *BIBLIOGRAPHIES, COMPRESSED AIR, LOW TEMPERATURE RESEARCH, IGNITION, INDEXES. (U)

THIS BIBLIOGRAPHY CONSISTS OF THIS INDEX VOLUME AND A SET OF ABSTRACT CARDS. THIS SECOND EDITION IS A COMPLETE AND THOROUGH REVISION OF THE FIRST EDITION. THE SCOPE OF THE BIBLIOGRAPHY REMAINS UNCHANGED, BUT ITS INTERPRETATION IS SLIGHTLY DIFFERENT IN THAT IT IS MORE RIGOROUS. THE BIBLIOGRAPHY DEALS WITH ALL ASPECTS OF LOW TEMPERATURE (OR COLD WEATHER) OPERATION OF COM PRESSION IGNITION ENGINES. IT LIES IN THE NATURE OF THE SUBJECT THAT THE LITERATURE ON IT DEALS HEAVILY WITH THE STARTING PROBLEM. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-405 958
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA
CHEMICAL AND NUCLEAR PROPELLANT MATERIALS. (U)
JUN 63 17P

UNCLASSIFIED REPORT

DESCRIPTORS: *BIBLIOGRAPHIES, *ROCKET PROPELLANTS, *NUCLEAR PROPULSION, *MATERIALS. (U)

BIBLIOGRAPHY ON CHEMICAL AND NUCLEAR PROPELLANT MATERIALS. INCLUDES PERIPHERAL MATERIAL DEALING WITH CHEMICAL AND NUCLEAR PROPELLANT TRANSLATION LITERATURE.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-410 518
AIR FORCE WEAPONS LAB KIRTLAND AFB N MEX
BIBLIOGRAPHY OF EXTRATERRESTRIAL RESEARCH, (U)
JUN 63 IV HENNY,ROBERT W.
PROJ: 1080
MONITOR: AFWL RTD TDR63 3025.

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, EXTRATERRESTRIAL BASES), (*ASTROPHYSICS, BIBLIOGRAPHIES), (*EXTRATERRESTRIAL BASES, BIBLIOGRAPHIES), (*MOON, BIBLIOGRAPHIES), (*PLANETS, BIBLIOGRAPHIES), (*SPACE ENVIRONMENTAL CONDITIONS, BIBLIOGRAPHIES), (*SPACECRAFT, BIBLIOGRAPHIES). (U)
IDENTIFIERS: 1963. (U)

THE PURPOSE OF THIS BIBLIOGRAPHY IS TO PROVIDE A REFERENCE SOURCE ON ALL EXTRATERRESTRIAL RESEARCH PERTINENT TO PLANETARY EXPLORATION, SCIENTIFIC INVESTIGATION, AND BASE CONSTRUCTION, AND TO INCLUDE ALL KNOWN REFERENCES IN THESE AND RELATED AREAS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-416 634
HERCULES POWDER CO KENVIL N J
BIBLIOGRAPHY ON WING II MINUTEMAN REVERSE THRUST
SYSTEM WEAPON SYSTEM 133A. (U)
JUL 63 23P
REPT. NO. K35/MR 84
CONTRACT: AF04 647 243

UNCLASSIFIED REPORT

DESCRIPTORS: (*BIBLIOGRAPHIES, ROCKET MOTORS
(SOLID PROPELLANT)), (*ROCKET MOTORS (SOLID
PEPPELLANT), BIBLIOGRAPHIES), RETRO ROCKETS,
THRUST REVERSE, GUIDED MISSILES (SURFACE TO
SURFACE), RCKET MOTORS, DOCUMENTATION. (U)
IDENTIFIERS: 1963, MINUTEMAN. (U)

ALL DOCUMENTS PREPARED BY TH KENVIL WORKS OF
HERCULES POWDER COMPANY FOR THE WING II
MINUTE MAN REVERSE THRUST SYSTEM ROCKET
MOTORS THROUGH 31 JULY 1963 ARE LISTED. THE
BIBLIOGRAPHY REPORT PROVIDES A SYSTEM THROUGH WHICH
DOCUMENTED IN FORMATION PERTAINING TO RETRO AND
TUMBLE ROCKET MOTORS IS READILY AVAILABLE.
(AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 903
VIRGINIA UNIV CHARLOTTESVILLE
BIBLIOGRAPHY OF SQUID PUBLICATIONS JUNE 1961
SEPTEMBER 1963. (U)
OCT 63 74P
CONTRACT: NONR362300
PROJ: NR098 038

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*JET PROPULSION, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, JET PROPULSION), MATERIALS, PHYSICAL PROPERTIES, GASES, LIQUIDS, SOLIDS, MATHEMATICS, PHYSICS, CHEMISTRY, THERMODYNAMICS, THERMOCHEMISTRY, COMBUSTION, INSTRUMENTATION (U)
IDENTIFIERS: 1963, SQUID PROJECT (U)

THE FOLLOWING LIST OF PROJECT SQUID PUBLICATIONS REPRESENTS THE FOURTH SUPPLEMENT TO THE INITIAL BIBLIOGRAPHY, ''TEN YEARS OF PROJECT SQUID - A BIBLIOGRAPHY'', WHICH APPEARED IN ''JET PROPULSION'', AUGUST 1956, AND WAS DESIGNATED AS PROJECT SQUID TECHNICAL REPORT PR-67-P. THIS SUPPLEMENT (PROJECT SQUID TECHNICAL REPORT UVA-3-R) COVERS THE PERIOD 1 JUNE 1961 TO 30 SEPTEMBER 1963. THREE PREVIOUS SUPPLEMENTS, PROJECT SQUID TECHNICAL REPORTS PR-67-P-A, PR-67-P-B, AND PR-67-P-C COVERED THE PERIODS 1 JUNE 1956 TO 1 JUNE 1957, 1 JUNE 1957 TO 1 JUNE 1959, AND 1 JUNE 1959 TO 1 JUNE 1961, RESPECTIVELY. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-423 550
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA
COMBUSTION AND EXHAUST PRODUCTS. A DDC REPORT
BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR APR 61-MAY 63,
DEC 63 IV NICHOLS,OWEN D. I
RICE,RANDALL G. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, COMBUSTION PRODUCTS), (*ABSTRACTS, EXHAUST GASES), (*EXHAUST GASES, BIBLIOGRAPHIES), (*COMBUSTION PRODUCTS, BIBLIOGRAPHIES), (*COMBUSTION CHAMBER GASES, BIBLIOGRAPHIES), (*CONDENSATION TRAILS, BIBLIOGRAPHIES), COMBUSTION DEPOSITS, THERMODYNAMICS, EXHAUST NOZZLES, DIFFUSION, COMPATIBILITY (U)
IDENTIFIERS: 1963 (U)

THIS IS THE SECOND OF A SERIES OF BIBLIOGRAPHIES COVERING TWO BROAD SUBJECTS - FLAMES AND COMBUSTION. PART I APPEARS UNDER TWO SEPARATE COVERS AS AD-422 075 AND AD-344 535, ENTITLED "FLAMES AND FLAME PROPERTIES". THE UNCLASSIFIED; UNLIMITED AD-422 075 CONTAINS ABOUT 800 REFERENCES. AD-344 535 IS CONFIDENTIAL AND UNCLASSIFIED LIMITED, AND CONTAINS ABOUT 250 REFERENCES. THE PRESENT BIBLIOGRAPHY COVERS CONDENSATION TRAILS, COMBUSTION CHAMBER GASES, COMBUSTION DEPOSITS, EXHAUST FLAMES, AND EXHAUST GASES. DATES OF REPORTS REFERENCED COVER THE TIME SPAN APRIL 1961 TO MAY 1963. ABOUT 500 REFERENCES ARE CITED. THESE ARE RESTRICTED TO THE DDC UNCLASSIFIED, UNLIMITED COLLECTION. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 317
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
ELECTROSTATIC ROCKET TECHNOLOGY. COMPREHENSIVE REPORT ON SOVIET PERIODICAL LIT TURE. (U)
DEC 63 70P
MONITOR: AID P63 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ROCKET RESEARCH, ION ENGINES), (*ABSTRACTS, ROCKET RESEARCH), (*REPORTS, ROCKET RESEARCH), (*ION ENGINES, ELECTROSTATICS), MODELS (SIMULATIONS), SURFACE PROPULSION, CESIUM, IONIZATION, TUNGSTEN, POROUS METALS, IONIC CURRENT, ION BEAMS, SPACE CHARGES, PLASMA OSCILLATIONS, SECONDARY EMISSION, ION SOURCES, ION EXCHANGE, REVIEWS, PERIODICALS, BIBLIOGRAPHIES, ELECTRON BOMBARDMENT, ALKALI METALS (U)
IDENTIFIERS: 1963, USSR, AID (U)

CONTENTS: LABORATORY MODEL OF AN ION-PROPULSION MOTOR; ION PRODUCTION; ION OPTICS; ION BEAM NEUTRALIZATION; CHARGE EXCHANGE; AND SECONDARY EMISSION. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-435 541
MONSANTO RESEARCH CORP DAYTON OHIO
SURVEY OF RECENT RESEARCH ON FLAME
EXTINGUISHMENT. (U)
DESCRIPTIVE NOTE: REPT. FOR SEP 62-OCT 63,
FEB 64 24P SKINNER,G. B. I
CONTRACT: AF33 657 10304
PROJ: 6075
TASK: 607505
MONITOR: ASD TR61 408, SUPPL. 2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COMBUSTION, BIBLIOGRAPHIES), (*REACTION KINETICS, COMBUSTION), FLAME PROPAGATION, INHIBITION, ALKENES, BENZENE, ARGON, NITROGEN, IODINE COMPOUNDS, SHOCK TUBES, AMMONIA, FORMALDEHYDE, BROMINE COMPOUNDS, FLUORINE COMPOUNDS, HYDROCARBONS, CHLORINE COMPOUNDS, HYDROGEN COMPOUNDS, NITRATES, ESTERS, CHLOROFORM, CARBON TETRACHLORIDE, BORON COMPOUNDS, METALORGANIC COMPOUNDS, IRON COMPOUNDS, CARBONYL GROUPS, LEAD COMPOUNDS, FIRE EXTINGUISHERS, HALOGENATED HYDROCARBONE, BROMIDES, CHLORIDES (U)
IDENTIFIERS: 1963, ISOBUTENE, ETHYLENE, IODOMETHANE, METHANE, ETHANE, METHANE BROMOTRIFLUORO, METHANE TRIFLUORO, ETHANE DIBROMOTETRAFLUORO, ETHANE HEXAFLUORO, METHYL CHLORIDE, METHYL BROMIDE, ETHYLENE CHLORIDE, HYDROGEN CHLORIDE, ISOPROPYL NITRATE, HYDROGEN BROMIDE, BORON TRIFLUORIDE, IRON PENTACARBONYL, TETRAETHYLLEAD, LEAD BROMIDE, LEAD CHLORIDE (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 012
PENNSYLVANIA STATE UNIV UNIVERSITY PARK COLL OF ENGINEERING AND ARCHITECTURE
BIBLIOGRAPHY ON COMPRESSION IGNITION ENGINE LOW TEMPERATURE PROBLEMS, (U)
SEP 64 109P MEYER,W. E. I
REPT. NO. ERB 890
CONTRACT: DA36 034ORD3199RD

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ALSO AVAILABLE FROM PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. ATTN: ENGINEERING PUBLICATIONS, PRICE $3.00.

DESCRIPTORS: (*DIESEL ENGINES, *BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, DIESEL ENGINES), COLD WEATHER TESTS, STARTING, OPERATIONS, ARMY RESEARCH, POLAR REGIONS (U)
IDENTIFIERS: 1964 (U)

THOUGH THE TITLE INDICATES THE GENERAL SCOPE OF THE BIBLIOGRAPHY, IT DOES NOT SHARPLY DEFINE WHAT HAS BEEN INCLUDED AND WHAT HAS NOT. THE SUBJECT AREA IS ONE IN WHICH EXPIRICISM AND PAST EXPERIENCE STILL PLAY AN IMPORTANT ROLE. REPORTS OF FIELD OPERATIONS AND TRIAL-AND-ERROR EXPERIMENTS ARE THEREFORE WORTH NOTHING IF THE DOCUMENTATION OF SIGNIFICANT DETAILS IS SUFFICIENT TO BE OF POSSIBLE VALUE TO ANYONE FACING THE SAME OR A SIMILAR PROBLEM OR SITUATION. AT THE OTHER END OF THE SPECTRUM ARE SOME TITLES THAT MAY APPEAR TO HAVE LITTLE RELATION TO THE GENERAL SUBJECT. MOST OF THESE REFER TO RESEARCH TECHNIQUES OR STUDIES OF FUNDAMENTAL PHENOMENA WHICH, IN THE COMPILER'S OPINION, SUGGEST NEW APPROACHES TO CERTAIN PROBLEMS OF LOW TEMPERATURE STARTING OR OPERATION OF COMPRESSION IGNITION ENGINES. THEY ARE INCLUDED IN THE HOPE THAT THEY MAY STIMULATE AN INCREASED APPRECIATION OF THE UTILITY OF MORE SCIENTIFIC, OR AT LEAST MORE SOPHISTICATED, METHODS OF INVESTIGATION. EACH CITATION HAS A LOCATING KEY, MADE UP OF ITS SOURCE AND DATE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 240
VIRGINIA UNIV CHARLOTTESVILLE
BIBLIOGRAPHY OF SQUID PUBLICATIONS, OCTOBER 1963-
SEPTEMBER 1964. (U)
DESCRIPTIVE NOTE: TECHNICAL REPT.
NOV 64 42P
REPT. NO. UVA-6-R
CONTRACT: NONR3622(00
PROJ: NR098 038

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON PROJ. SQUID.

DESCRIPTORS: (*BIBLIOGRAPHIES, JET ENGINES), (*JET PROPULSION, BIBLIOGRAPHIES), GASES, TRANSPORT PROPERTIES, STRUCTURAL PROPERTIES, FLUID FLOW, REACTION KINETICS, COMBUSTION, INSTRUMENTATION, MATERIALS (U)
IDENTIFIERS: SQUID PROJECT (U)

THE FOLLOWING LIST OF PROJECT SQUID PUBLICATIONS REPRESENTS A CONTINUATION OF PROJECT SQUID TECHNICAL REPORT UVA-3-R, OCTOBER 1963 (AD-421 903). (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-610 260
THIOKOL CHEMICAL CORP ELKTON MD
EXPERIMENTS FOR THE MEASUREMENT OF THE ACOUSTIC IMPEDANCE OF A BURNING SOLID PROPELLANT. (U)
DESCRIPTIVE NOTE: QUARTERLY TECHNICAL REPT. NO. 3, 15 NOV 61-15 FEB 62,
MAR 62 36P STERN,EDWARD S. ;
WOODYARD,JAMES R. ;CONVERSE,ALVIN O.;
REPT. NO. E47-62
CONTRACT: NONR347300
PROJ: ARPA ORDER 23 61
TASK: 5
MONITOR: N62 , 10406

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SOLID ROCKET PROPELLANTS, ACOUSTICAL IMPEDANCE), (*COMBUSTION, SOLID ROCKET PROPELLANTS), STABILITY, COMBUSTION CHAMBERS, TEST EQUIPMENT, TRANSDUCERS, MICROPHONES, BIBLIOGRAPHIES (U)

THE REPORT DESCRIBES THE PROGRESS MADE DURING A RESEARCH PROGRAM TO MEASURE THE ACOUSTIC IMPEDANCE OF A BURNING SOLID PROPELLANT. THE ACOUSTIC IMPEDANCE OF ACOUSTICAL MATERIALS CAN BE DETERMINED WITH THE PRESENT INSTRUMENTATION. DATA OBTAINED USING THE ELKTON TEST CHAMBER ARE COMPARED WITH TYPICAL DATA OBTAINED FROM THE LITERATURE. VARIATIONS DUE TO MOUNTING AND THICKNESS OF TEST SPECIMENS ARE DISCUSSED. DETAILS OF THE MICROPHONE AND SOUND DRIVER PERFORMANCE ARE PRESENTED. LINEARITY TESTS OF THE EQUIPMENT HAVE INDICATED POSSIBLE OPERATIONAL PROBLEMS WHICH MUST BE CHECKED FURTHER. A SUPPLEMENTARY BIBLIOGRAPHY OF APPLICABLE REFERENCES IS INCLUDED AS AN APPENDIX TO THE REPORT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-614 133
MELPAR INC FALLS CHURCH VA
COMPREHENSIVE BIBLIOGRAPHY FOR MECHANISM OF
MICROBIOLOGICAL CONTAMINATION OF JET FUEL AND
DEVELOPMENT OF TECHNIQUES FOR DETECTION OF
MICROBIOLOGICAL CONTAMINATION, APPENDIX C. (U)
DESCRIPTIVE NOTE: QUARTERLY PROGRESS REPT. NO. 2, APP., 1
JUN-1 SEP 63,
SEP 63 93P BLANCHARD,GORDON C. I
CONTRACT: AF33 657 9186

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*FUEL CONTAMINATION, BIBLIOGRAPHIES),
(*JET ENGINE FUELS, BIOLOGICAL CONTAMINATION),
MICROORGANISMS, BACTERIA, PSEUDOMONAS, CORROSION,
CORROSION INHIBITION, POLYMERS, LUBRICANTS,
DEGRADATION, PURIFICATION, HYDROCARBONS, FUEL
ADDITIVES, OXIDATION, ELASTOMERS, AROMATIC COMPOUNDS,
PETROLEUM, FUEL TANKS (U)

COMPREHENSIVE BIBLIOGRAPHY FOR MECHANISM OF
MICROBIOLOGICAL CONTAMINATION OF JET FUEL AND DEVELOPMENT OF
TECHNIQUES FOR DETECTION OF MICROBIOLOGICAL CONTAMINATION.
APPENDIX C.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-621 383
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
THERMAL STABILITY OF JET FUELS (BIBLIOGRAPHY). (U)
DESCRIPTIVE NOTE: REPT. NO. 1 ON AID WORK ASSIGNMENT NO. 28.
SEP 61 9P
REPT. NO. AID-61-165A
MONITOR: TT , 65-64076

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*JET ENGINE FUELS, USSR), BIBLIOGRAPHIES, AVIATION FUELS, PETROLEUM INDUSTRY (U)

THIS REPORT CONTAINS THE SELECTIVE BIBLIOGRAPHY AND CRITICAL EVALUATION OF MATERIALS EXAMINED DURING A PRELIMINARY SCANNING OF THE OPEN SOVIET LITERATURE FOR INFORMATION SATISFYING THE TASK REQUIREMENT. THE PERIOD OF INVESTIGATION REPRESENTED IS THE THIRD QUARTER OF 1961. THE SIX ITEMS DISCUSSED ARE CONSIDERED TO BE RELEVANT TO THE EVALUATION OF SOVIET EFFORTS TO IMPROVE THE THERMAL STABILITY OF JET FUELS. THE USE OF SEQUENCE NUMBERS FOR THE INDIVIDUAL ITEMS WILL BE CONTINUED IN FUTURE REPORTS FOR THE SAKE OF SIMPLIFYING THE SYSTEM OF REFERENCE. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 245
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
AKADEMIYA NAUK SSSR. INSTITUT DVIGATELEY. A PRELIMINARY UNEDITED REPORYT. (U)
DEC 64 81P
REPT. NO. ATD-U-64-155
MONITOR: TT , 65-64133

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILATION OF SOVIET MATERIAL PUB. 1954-64.

DESCRIPTORS: (*ENGINES + MOTORS, SCIENTIFIC RESEARCH), (*INTERNAL COMBUSTION ENGINES, SCIENTIFIC RESEARCH), USSR, BIBLIOGRAPHIES, HISTORY, PERSONNEL, SCIENTIFIC ORGANIZATIONS (U)

THE REPORT IS A PRELIMINARY, PARTIALLY EDITED, COMPILATION OF SOVIET MATERIAL ON INSTITUT DVIGATELEY (ENGINE INSTITUTE) PUBLISHED DURING 1954-1964. THE MATERIAL IS DIVIDED INTO THREE SECTIONS, COVERING THE HISTORY AND ORGANIZATION OF THE INSTITUTE, ITS PERSONNEL, AND THEIR PUBLICATIONS. THE SECTION ON PERSONNEL IS SUBDIVIDED INTO PART A, WHICH DEALS WITH THOSE PEOPLE WHO ARE KNOWN MEMBERS OF THE INSTITUTE, AND PART B, WHICH LISTS THOSE WHO HAVE SOME CONNECTION WITH THE INSTITUTE BUT HAVE NOT BEEN IDENTIFIED POSITIVELY AS MEMBERS. LIBRARY OF CONGRESS CALL NUMBERS APPEAR AT THE RIGHT, AT THE END OF THE MAIN ENTRY, WHENEVER THE SOURCE IS CATALOGED IN THE LIBRARY OF CONGRESS COLLECTIONS. NO LOCATION SYMBOLS ARE USED FOR SOURCES THAT EITHER ARE NOT CATALOGED AT THIS TIME, OR UNCATALOGED MATERIALS NOW AVAILABLE IN THE VARIOUS DIVISIONS OF THE LIBRARY OF CONGRESS, OR SOURCES IDENTIFIED IN REFERENCES BUT WHICH CANNOT BE LOCATED. ABSTRACTS OF ARTICLES ARE GIVEN WHEN AVAILABLE. AN ABSTRACT AND A TRANSLATED TABLE OF CONTENTS OF B.S. STECHKIN'S TEXTBOOK REAKTIVNYYE DVIGATELY ARE INCLUDED AS AN APPENDIX TO THE BIBLIOGRAPHY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 248
AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C
CURRENT INFORMATION ON FUELS AND LUBRICANTS:
COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: REPT. NO. 30 ON AID WORK ASSIGNMENT NO. 28.
MAY 64 13P
REPT. NO. AID-U-64-37
MONITOR: TT , 65-64459

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: CONTAINS POTENTIALLY USEFUL MATERIAL ON FUELS AND LUBRICANTS IN THE FORM OF INFORMATIVE ABSTRACTS. REPT. ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*FUELS, REVIEWS), (*LUBRICANTS, REVIEWS), USSR, LIQUID METALS, JET ENGINE FUELS, OILS, ADDITIVES, GREASES, BIBLIOGRAPHIES (U)

CURRENT INFORMATION ON FUELS AND LUBRICANTS:
COMPILATION OF ABSTRACTS.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-628 166 21/9
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
LIQUID AND SOLID PROPELLANTS TECHNOLOGY: COMPILATION OF ABSTRACTS. (U)
DESCRIPTIVE NOTE: REPT. NO. 2 ON ATD WORK ASSIGNMENT NO. 77,
JAN 66 143P WOLSKI,EDWARD I
REPT. NO. ATD-66-2,
MONITOR: TT , 66-60553

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET-BLOC OPEN LITERATURE AND COVERS THE PERIOD JUL-DEC 64. REPT. ON SURVEYS OF COMMUNIST WORLD SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (*BIBLIOGRAPHIES, ROCKET PROPELLANTS), (*ROCKET PROPELLANTS, BIBLIOGRAPHIES), LIQUID ROCKET PROPELLANTS, SOLID ROCKET PROPELLANTS, ABSTRACTS, USSR (U)

THIS COMPILATION OF ABSTRACTS IS BASED ON SOVIET-SATELLITE OPEN SOURCES PUBLISHED IN 1964. IT IS THE SECOND IN A SERIES DEALING WITH SOVIET-BLOC DEVELOPMENTS IN ROCKETPROPELLANT TECHNOLOGY AND CONSISTS OF ABSTRACTS, SUMMARIES, REVIEWS, AND CURRENT DATA FROM THE ATD PRESS AND SCAN, SUPPLEMENTED BY THE COMPILER'S ANNOTATIONS OF PERTINENT ENTRIES NOT COVERED BY THE FOREMENTIONED ATD PUBLICATIONS. THE SYSTEMATIC ARRANGEMENT OF ALL AVAILABLE MATERIALS GIVES THE READER THE POTENTIAL ADVANTAGE OF TREND DETERMINATION. THE GENERAL SUBJECT OF LIQUID AND SOLID PROPELLANTS INCLUDES THE CHEMISTRY AND TECHNOLOGY OF MANUFACTURING, PHYSICAL AND CHEMICAL PROPERTIES, USE, COMBUSTION BEHAVIOR, CORROSIVENESS, STABILITY, TOXICITY, STORAGE, AND SAFETY OF PROPELLANTS AND THEIR COMPONENTS. OF 212 ENTRIES, 15 WERE BASED ON BOOKS AND APPEAR AS CHAPTER I TOGETHER WITH AN AUTHOR INDEX. CHAPTER II CONTAINS 55 ABSTRACTS ON LIQUID PROPELLANTS. IN CHAPTER III 38 ENTRIES CONCERN SOLID PROPELLANTS. CHAPTER IV HAS 16 ENTRIES ON HIGH ENERGY FUELS AND PROPELLANTS WHILE CHAPTER V CONTAINS 7 ENTRIES ON ADVANCED ENERGY SOURCES. CHAPTER VI WITH 81 ENTRIES COVERS COMBUSTION PROBLEMS IN GENERAL INCLUDING AIR-BREATHING SYSTEMS. CHAPTERS II-VI EACH INCLUDE AN AUTHOR INDEX AND AN INDEX OF ASSOCIATIONS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-631 638 21/2 14/2
ESSO DEVELOPMENT CO LTD ABINGDON (ENGLAND)
MEASUREMENT OF BURNING VELOCITY -A SURVEY-, (U)
APR 63 50P FRISTROM,R. M. I
REPT. NO. TG-481,
CONTRACT: NOW-62-0604-C,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BURNING RATE, MEASUREMENT), FLAMES, FLOW VISUALIZATION, TRACER STUDIES, PARTICLES, PITOT TUBES, FLAME PROPAGATION, PHOTOGRAPHIC ANALYSIS, REVIEWS, BIBLIOGRAPHIES (U)
IDENTIFIERS: BURNERS, FLAME KERNEL METHODS (U)

EXPERIMENTAL METHODS OF DETERMINING BURNING VELOCITY ARE REVIEWED. TOPICS INCLUDE: PARTICLE TRACT METHOD, PITOT TUBE MEASUREMENTS, FLAME KERNEL METHODS, AND BURNER METHODS OF MEASURING BURNER VELOCITY. AN ANNOTATED BIBLIOGRAPHY OF REPRESENTATIVE WORKS IS APPENDED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-652 406 21/3
FAIRCHILD HILLER CORP FARMINGDALE N Y REPUBLIC AVIATION DIV
PULSED PLASMA STUDIES. (U)
DESCRIPTIVE NOTE: FINAL REPT., MAY 59-JUN 66,
FEB 67 16P MCIVER,JOHN J. ;
REPT. NO. FHR-3449, PCD-TR-67-4
CONTRACT: NONR-2851(00)
PROJ: RR-010-04-01

UNCLASSIFIED REPORT

DESCRIPTORS: (*PLASMA ENGINES, *THRUST VECTOR CONTROL SYSTEMS), SATELLITES(ARTIFICIAL), ELECTRIC PROPULSION, PLASMA JETS, ELECTRIC DISCHARGES, BIBLIOGRAPHIES (U)
IDENTIFIERS: E-2 PLASMA ENGINE (U)

THIS REPORT COVERS THE CHRONOLOGICAL SERIES OF EVENTS LEADING UP TO THE INTEGRATION OF A PULSED PLASMA ELECTRIC THRUSTER SYSTEM INTO A NAVAL RESEARCH LABORATORY SATELLITE, PAYLOAD 140. THE PERIOD COVERED IS FROM APRIL 1964 TO JUNE 1966, AND THE REPORT DESCRIBES THE PROGRESS AND PROBLEMS ASSOCIATED WITH THE SYSTEM INTEGRATION AND IN ADDITION DESCRIBES THE CASE HISTORY OF THE ATTEMPTS TO OBTAIN AIR FORCE SUPPORT IN OBTAINING A LAUNCH VEHICLE FOR THE PAYLOAD. THE LAST PORTION OF THE REPORT COVERS THE BIBLIOGRAPHY OF ALL PUBLICATIONS GENERATED DIRECTLY OR PARTIALLY UNDER THIS CONTRACT SINCE 1959. (AUTHOR) (U)

SPACE TECHNOLOGY

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 825
NORTH AMERICAN AVIATION INC DOWNEY CALIF
ATTITUDE CONTROL: A BIBLIOGRAPHY. (U)
APR 63 46P
REPT. NO. SID63 232

UNCLASSIFIED REPORT

DESCRIPTORS: *ATTITUDE CONTROL SYSTEMS, *BIBLIOGRAPHIES, SATELLITES (ARTIFICIAL), SPACECRAFT, TORQUE, CONTROL JETS, VERNIER ROCKET MOTORS, SPIN-STABILIZED AMMUNITION, MAGNETIC FIELDS, GRAVITY, SOLAR RADIATION, AERODYNAMIC CONFIGURATIONS, TERRESTRIAL MAGNETISM. (U)

THIS REPORT IS A SURVEY OF ACADEMIC LITERATURE ON THE ATTITUDE CONTROL OF SATELLITES AND SPACE VEHICLES. ONLY MATERIAL PUBLISHED IN ENGLISH BETWEEN THE YEARS 1958 AND 1962 IS INCLUDED. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-404 259
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
METEOROIDS AS A POSSIBLE HAZARD TO SPACE VEHICLE
OPERATIONS: AN ANNOTATED BIBLIOGRAPHY. (U)
MAY 63 41P ROS;COMP.BY CHARLES G.
REPT. NO. 3 36 63 11
CONTRACT: AF04 647 787

UNCLASSIFIED REPORT

DESCRIPTORS: *SPACE FLIGHT, BIBLIOGRAPHIES,
SPACE ENVIRONMENTAL CONDITIONS, AVIATION SAFETY,
ASTRONAUTICS, HAZARDS, METEORITES. (U)

A BIBLIOGRAPHY IS PRESENTED OF METEOROIDS AS A POSSIBLE HAZARD TO SPACE VEHICLE OPERATIONS. CITATIONS TO METEORS AND OTHER INTERPLANETARY DEBRIS HAVE BEEN INCLUDED WHEN THE MATERIAL WAS OF RELEVANCE TO METEOROIDS AS WELL. CITATIONS TO COMBINED ENVIRONMENTAL PARAMETERS AFFECTING THE RELIABILITY OF SPACE VEHICLES IN FLIGHT HAVE ALSO BEEN INCLUDED WHEN METEOROIDS CONSTITUTED ONE OF THE PARAMETERS. THE PERIOD COVERED IS FROM 1956 THROUGH 1962, WITH A FEW EARLIER CITATIONS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-416 078
MITRE CORP BEDFORD MASS
SPACECRAFT STABILIZATION AND ATTITUDE CONTROL. HOW DO TODAY'S OPERATIONAL AND CONCEPTUAL SYSTEMS COMPARE IN WEIGHT, POWER AND RELIABILITY, (U)
8P CHIN,T. H. I
MONITOR: ESD
UNCLASSIFIED REPORT
REPRINT FROM SPACE AERONAUTICS, PP. 88-93, 144-145, 1963. (COPIES NOT SUPPLIED BY DDC)
SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SPACECRAFT, FLIGHT CONTROL SYSTEMS), (*BIBLIOGRAPHY, ATTITUDE CONTROL SYSTEMS), (*ATTITUDE CONTROL SYSTEMS, SPACECRAFT), (*STABILIZATION SYSTEMS, SPACECRAFT), WEIGHT, PERFORMANCE (ENGINEERING), RELIABILITY, GRAVITY (ARTIFICIAL) (U)

A REVIEW IS PRESENTED OF CURRENT OPERATIONAL AND CONCEPTUAL SYSTEMS FOR SPACECRAFT STABILIZATION AND ATTITUDE CONTROL. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-430 814
LIBRARY OF CONGRESS WASHINGTON D C SCIENCE AND TECHNOLOGY DIV
BIBLIOGRAPHY OF BIOREGENERATING SYSTEMS FOR EXTRATERRESTRIAL HABITATION. (U)
DESCRIPTIVE NOTE: REPT. 15 AUG 62-15 SEP 63,
NOV 63 100P SPIEGLER,PAUL E. I
CONTRACT: AF33 657 62 397
PROJ: 7164
TASK: 716405
MONITOR: AMRL TDR-63 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*LIFE SUPPORT, BIBLIOGRAPHIES), (*EXTRATERRESTRIAL BASES, LIFE SUPPORT), (*BIOLOGY, REGENERATION), ECOLOGY, PHYSIOLOGY, SANITARY ENGINEERING, FOOD, ALGAE, PLANTS (BIOLOGY), TISSUE (BIOLOGY), LABORATORY ANIMALS, MOON, SPACE FLIGHT, NUTRITION, TISSUE CULTURE, TEST METHODS, TOXICITY, PHOTOSYNTHESIS, BACTERIA, FUNGI, SPACE PROBES (U)
IDENTIFIERS: GAS EXCHANGE MECHANISMS, 1963, BIOREGENERATING SYSTEMS, HABITATION, AEROSPACE SYSTEMS, BIOLOGICAL SYSTEMS (U)

THIS BIBLIOGRAPHY IS A REPRESENTATIVE SAMPLING WTHE WORLD'S LITERATURE COVERING THE YEARS 1959 TO THE PRESENT CONCERNING THE VARIOUS ASPECTS OF EXTRATERRESTRIAL HABITATION. THE 440 REFERENCES DEAL WITH BOTH THE PHYSIOLOGY AND ECOLOGY OF BIOREGENERATING SYSTEMS FOR SPACE TRAVEL AND THE SPECIFIC HUMAN REQUIREMENTS FOR EXTRATERRESTRIAL HABITATION. THE SECTION ON THE BIOLOGY OF BIOREGENERATING SYSTEMS CONTAINS PAPERS ON WASTE MANAGEMENT AND RE-UTILIZATION, GAS EXCHANGE MECHANISMS USING DIFFERENT PLANTS, CULTURE TECHNIQUES FOR PRODUCING FOOD BY UTILIZING TISSUES OR PLANTS, EDIBILITY OF ALGAE AND VARIOUS ANIMALS, TOXICOLOGICAL ASPECTS OF WASTE AND MATERIALS OF CONSTRUCTION, AND ENVIRONMENTAL CONDITIONS ON THE MOON. PAPERS DEALING WITH SPECIFIC HUMAN REQUIREMENTS INCLUDE THOSE ON NUTRITION, FOOD TECHNOLOGY, AND VARIOUS TOPICS OF PERSONAL HYGIENE AND SANITATION. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-431 728
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
FUTURE LUNAR MISSIONS. REVIEW OF SOVIET AND SOVIET-BLOC LITERATURE. (U)
JAN 64 246P
MONITOR: AID P64 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*LUNAR BASES, BIBLIOGRAPHIES), (*LUN CRAFT, BIBLIOGRAPHIES), (*LUNAR TRAJECTORIES, BIBLIOGRAPHIES), DOCUMENTATION, REPORTS, LAUNCHING, RENDEZVOUS TRAJECTORIES, SPACECRAFT DOCKING, ORBITAL TRAJECTORIES, SCIENTIFIC SATELLITES, SPACE STATIONS, LUNAR PROBES, ASTRONOMICAL OBSERVATORIES, ASTRONAUTS, ASTRONAUTICS, PUBLIC OPINION, MANNED SPACECRAFT, SPACE CAPSULES (U)
IDENTIFIERS: 1964, USSR (U)

THIS REPORT COLLECTS MATERIALS ILLUSTRATING INFORMED SOVIET DISCUSSION OF MANNED LUNAR FLIGHT IN THE PERIOD IMMEDIATELY PRECEDING KHRUSHCHEV'S 26 OCT 1963 DISAVOWAL OF A CRASH MAN-ON-THEMOON PROGRAM. ITS PURPOSE IS TO ESTABLISH THE POSSIBLE PATTERNS OF THOUGHT OF SOVIET SCIENTISTS AND AUTHORITATIVE NEWS COMMENTATORS BY THE USE OF SELECTED STATEMENTS. SINCE NO COLLECTION IN THIS FIELD CAN BE THOROUGHLY EXHAUSTIVE, THE CRITERION FOR SELECTION OF THE INDIVIDUALS TO BE CITED AND THE CITATIONS WAS THEIR REPRESENTATIVE NATURE. WITH CERTAIN EXCEPTIONS FORCED BY TIME LIMITATIONS, BIO-BIBLIOGRAPHIC ANNOTATIONS ARE PROVIDED. IN ORDER TO COMMUNICATE MOST FULLY THE IMPACT OF THE ORIGINAL, THE STATEMENTS ARE TRANSLATED RATHER THAN PARAPHRASED. IN MOST CASES THE MATERIALS QUOTED ARE FROM THE 1961 TO 1963 PERIOD, ALTHOUGH EARLIER STATEMENTS ARE OCCASIONALLY REPRODUCED WHEN NECESSARY TO ESTABLISH THE PATTERN. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-433 656
ARMY MISSILE COMMAND REDSTONE ARSENAL ALA
MATERIALS FOR RE-ENTRY. A SELECTED BIBLIOGRAPHY,
1959-1963, (U)
MAR 64 75P NIEBERLEIN,VERNON A. I
PROJ: 1A023301A110
MONITOR: AMC RA RR TR64 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*REENTRY VEHICLES, REFRACTORY MATERIALS), (*REFRACTORY METALS + ALLOYS, *REFRACTORY MATERIALS), HEAT-RESISTANT PLASTICS, CERAMIC MATERIALS, CERMETS, PYROLYTIC GRAPHITE, HEAT-RESISTANT METALS + ALLOYS, HEAT SHIELDS, COOLING, HEAT TRANSFER, ABLATION (U)
IDENTIFIERS: 1964 (U)

A SELECTED BIBLIOGRAPHY COVERING THE YEARS 1959 THROUGH 1963 HAS BEEN ABSTRACTED. MATERIALS FOR RE-ENTRY, AND CLOSELY RELATED WORK ON RE ENTRY ENVIRONMENT, MATERIALS REQUIREMENTS, AND COOLING MECHANISMS ARE INCLUDED. THE BIBLIOGRAPHY IS INDEXED BY SUBJECT AND AUTHOR. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-438 720
AEROSPACE CORP EL SEGUNDO CALIF
BIBLIOGRAPHY OF REPORTS. (U)
DESCRIPTIVE NOTE: FINAL REPT., 1 JUL 62-30 JUN 63,
APR 64 72P PEER,B. H. IKEASBEY,S. T. ;
REPT. NO. CSR169 9990FBR1
CONTRACT: AF04 695 169

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPERSEDES REPORT NOS. CSR169 9990 QBR2, AD-297 864, AND CSR169 9990 QBR3, AD-402 241.

DESCRIPTORS: (*BIBLIOGRAPHIES, REPORTS), (*REPORTS, INDEXES), (*MANNED SPACECRAFT, SPACE CAPSULES, LAUNCH VEHICLES(AEROSPACE), SATELLITES(ARTIFICIAL), GROUND SUPPORT EQUIPMENT, COMMUNICATION SATELLITES, GUIDED MISSILES(SURFACE-TO-SURFACE), REENTRY VEHICLES, SPACECRAFT (U)
IDENTIFIERS: ATLAS, GEMINI, MERCURY (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-466 884
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
AEROSPACE INSTRUMENTATION. (U)
DESCRIPTIVE NOTE: COMPILATION OF ABSTRACTS ON SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.
JUL 65 64P
REPT. NO. ATD-P-65-49

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SCIENTIFIC SATELLITES, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, SCIENTIFIC SATELLITES), INSTRUMENTATION, MAGNETOMETERS, GRAVITY, GAS ANALYSIS, METEORITES, DETECTION, COSMIC RAYS, ELECTROMAGNETIC WAVES, PRESSURE GAGES, RADIATION MEASUREMENT SYSTEMS, SPACE ENVIRONMENTAL CONDITIONS, MEASUREMENT, USSR, AIRBORNE, SPACEBORNE (U)
IDENTIFIERS: GRAVITY METERS, MICROMETEORITES (U)

THIS REPORT IS THE FIRST IN A SERIES REVIEWING SOVIET DEVELOPMENTS IN AEROSPACE INSTRUMENTATION. ABSTRACTS CONTAINED IN THE REPORT WERE SELECTED FROM SOVIET OPEN LITERATURE PUBLISHED IN 1964 AND AVAILABLE AT THE AEROSPACE INFORMATION DIVISION AND THE LIBRARY OF CONGRESS. INFORMATION NOT DIRECTLY RELATED TO THE ASSIGNED SUBJECT HAS BEEN INCLUDED BECAUSE OF ITS BROAD IMPLICATIONS FOR STUDY IN THIS FIELD. THE 78 ABSTRACTS ARE ARRANGED ALPHABETICALLY BY AUTHOR WITHIN EACH OF THE FOLLOWING CATEGORIES: MAGNETOMETERS, GRAVITY GRADIENT METERS, GAS COMPOSITION ANALYSIS, MICROMETEORITE DETECTION, COSMIC AND CORPUSCULAR RADIATION DETECTION, ELECTROMAGNETIC RADIATION DETECTION, AND PRESSURE SENSORS. A BIBLIOGRAPHY IS PRESENTED AT THE END OF THE REPORT. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-468 532
REDSTONE SCIENTIFIC INFORMATION CENTER REDSTONE ARSENAL ALA
SATELLITE ORBIT DETERMINATION. (U)
DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1956-MAY 65,
JUN 65 118P DENHAM,DALE ;
REPT. NO. RSIC-415

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ORBITAL TRAJECTORIES, BIBLIOGRAPHIES), (*BIBLIOGRAPHIES, ORBITAL TRAJECTORIES), (*RADAR TRACKING, SATELLITES(ARTIFICIAL)), RADAR STATIONS, SIMULATION, MATHEMATICAL PREDICTION, PROGRAMMING(COMPUTERS), CELESTIAL MECHANICS, TRACKING, DETERMINATION (U)
IDENTIFIERS: SATELLITE TRACKING SYSTEMS (U)

THIS BIBLIOGRAPHY COVERS THE FOLLOWING: (1) METHODS OF USE AND COMBINE TRACKING DATA FROM RADAR AND OTHER TRACKING SYSTEMS FOR ORBIT DETERMINATION, AND (2) THE INFLUENCE OF TRACKING STATION LOCATION, NUMBER OF STATIONS, AND TIME OF TRACKING ON THE ACCURACY OF ORBIT DETERMINATION. IN ADDITION TO THE ABOVE, THE CITED REFERENCES COVER ANALYSIS AND SIMULATION OF ORBITS; MATHEMATICS AND PARAMETERS OF ORBITS; THEORY AND TECHNIQUES; PREDICTION AND ACCURACIES; PROGRAMMING AND COMPUTERS; ERROR ANALYSIS; EVALUATION OF GROUND COVERAGE; SYSTEMATIC ERRORS; AIRBORNE PLATFORMS; SPACE DYNAMICS; SELF-CONTAINED ORBIT DETERMINATION TECHNIQUES; AND SPACE-TIME. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-606 382
RAND CORP SANTA MONICA CALIF
SPACE LAW BIBLIOGRAPHY, (U)
MAY 57 9P HOGAN,JOHN C. I
REPT. NO. P-1087

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SPACE FLIGHT, LAW), (*LAW, UPPER ATMOSPHERE), (*UPPER ATMOSPHERE, LAW), (*BIBLIOGRAPHIES, LAW), SOCIAL SCIENCES, INDEXES (U)
IDENTIFIERS: SPACE LAW, AIRSPACE (U)

ONLY SINCE THE END OF WORLD WAR II HAS THERE BEEN A SERIOUS INTEREST IN THE PROBLEMS OF LAW AND ACTIVITIES IN THE UPPER ATMOSPHERE. SCHOLARLY ARTICLES ON THIS SUBJECT HAVE BEEN PUBLISHED RECENTLY BY LAWYERS IN CANADA, ENGLAND, FRANCE, GERMANY, AND THE USSR, AND THERE ARE MATERIALS IN THE AMERICAN LAW REVIEWS WHICH APPLY--EITHER DIRECTLY OR BY ANALOGY--TO MAN'S ACTIVITIES ABOVE THE SURFACE OF THE EARTH. THE IMMEDIATE PROBLEM IS STATE SOVEREIGNTY IN THE UPPER ATMOSPHERE. SOME ATTENTION HAS ALSO BBEEN GIVEN TO THE LONGRANGE PROBLEM OF A SYSTEM OF JURISPRUDENCE FOR ACTIVITIES IN SPACE. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 628
TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF
SOFT LUNAR LANDING. (U)
DESCRIPTIVE NOTE: STL BIBLIOGRAPHY,
MAY 59 21P ANDREWS,K. B. ISLOANE,M. N. I
REPT. NO. STL-B-8 ,STL/GM-59-5111-12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON A LITERATURE SURVEY OF UNCLASSIFIED REPORTS.

DESCRIPTORS: (*SOFT LANDINGS, BIBLIOGRAPHIES), (*ASTRONAUTICS, BIBLIOGRAPHIES, (*SPACE FLIGHT, BIBLIOGRAPHIES), SPACE ENVIRONMENTAL CONDITIONS, SPACE NAVIGATION, EXTRATERRESTRIAL BASES, INTERPLANETARY TRAJECTORIES, SPACECRAFT, PHOTOGRAPHY, SPACE PROBES, DOPPLER SYSTEMS, MANNED SPACECRAFT, SPACE PROPULSION, FLIGHT CONTROL SYSTEMS, MAGNETIC FIELDS, RADAR, TERMINAL GUIDANCE, INSTRUMENTATION, DESIGN, MOON (U)

SOFT LUNAR LAND/NG.

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 245
GENERAL ELECTRIC CO PHILADELPHIA PA MISSILE AND SPACE DIV
COMMUNICATION SATELLITE PROJECT ADVENT BIBLIOGRAPHY, (U)
APR 61 27P SADIN,S. R. IWITTNER,H. H. I
REPT. NO. R61SD4227
CONTRACT: AF04 647 476

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTES:

DESCRIPTORS: (*BIBLIOGRAPHIES, COMMUNICATION SATELLITES (ACTIVE)), (*COMMUNICATION SATELLITES (ACTIVE), BIBLIOGRAPHIES), REPORTS, SPECIFICATIONS, LAUNCHING SITES, DESIGN, ORBITAL TRAJECTORIES (U)
IDENTIFIERS: ADVENT PROJECT (U)

THE BIBLIOGRAPHY OF COMMUNICATION SATELLITE PROJECT ADVENT IS SUBMITTED. IT PRESENTS A LISTING OF REPORTS CONTRIBUTING TO THE TECHNICAL PROGRESS OF THE PROGRAM. THE BIBLIOGRAPHY WILL BE REVISED BIMONTHLY DURING THE COURSE OF THE CONTRACT.(U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 601
NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE BOARD
BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES, 1960). (U)
DESCRIPTIVE NOTE: REVISED,
60 74P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: UNITED STATES SPACE SCIENCE PROGRAM: REPORT TO COSPAR, APPENDIX V, FLORENCE, ITALY APR 61. SEE ALSO AD-613 600.

DESCRIPTORS: (*ASTRONAUTICS, BIBLIOGRAPHIES), TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING, TELEMETER SYSTEMS, INSTRUMENTATION, SPACE ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS, ATMOSPHERE, MAGNETIC FIELDS, PARTICLES, METEORITES, COSMIC RAYS, SUN, MOON, PLANETS, ASTRONOMY, SPACE BIOLOGY, UNITED STATES (U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS TRACKING AND TELEMETRY INSTRUMENTATION AND TECHNIQUES INTERACTION BETWEEN SPACE VEHICLE AND MEDIUM GRAVITY AND GEODESY ATMOSPHERIC COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC FIELDS METEORITES, COSMIC DUST, AND TEKTITES THE SUN THE MOON AND PLANETS GENERAL ASTRONOMY LIFE SCIENCES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 602
NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE BOARD
BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES, 1961). (U)
61 80P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-613 601.

DESCRIPTORS: (*ASTRONAUTICS, BIBLIOGRAPHIES), TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING, TELEMETER SYSTEMS, INSTRUMENTATION, SPACE ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS, ATMOSPHERE, MAGNETIC FIELDS, PLASMA MEDIUM, PARTICLES, COSMIC RAYS, METEORITES, SUN, MOON, PLANETS, ASTRONOMY, SPACE BIOLOGY, UNITED STATES (U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS TRACKING AND TELEMETRY INSTRUMENTATION AND TECHNIQUES INTERACTION BETWEEN SATELLITE AND MEDIUM GRAVITY AND GEODESY ATMOSPHERIC COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC FIELDS (INCLUDING INTERPLANETARY MATTER, PLASMAS, AURORAE, ETC.) METEORITES, COSMIC DUST, AND TEKTITES THE SUN (INCLUDING NON-TERRESTRIAL PHENOMENA ASSOCIATED WITH THE SUN) THE MOON AND PLANETS GENERAL ASTRONOMY LIFE SCIENCES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 603
NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE BOARD
BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES, 1962). (U)
62 135P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-613 602.

DESCRIPTORS: (*ASTRONAUTICS, BIBLIOGRAPHIES), TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING, TELEMETER SYSTEMS, INSTRUMENTATION, SPACE ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS, ATMOSPHERE, PARTICLES, MAGNETIC FIELDS, METEORITES, COSMIC RAYS, SUN, MOON, PLANETS, ASTRONOMY, SPACE BIOLOGY, UNITED STATES (U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS TRACKING AND TELEMETRY INSTRUMENTATION AND TECHNIQUES INTERACTION BETWEEN SPACE VEHICLE AND MEDIUM GRAVITY AND GEODESY ATMOSPHERIC COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC FIELDS METEORITES, COSMIC DUST, AND TEXTITES THE SUN THE MOON AND PLANETS GENERAL ASTRONOMY LIFE SCIENCES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 604
NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE BOARD
BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES, 1963). (U)
DESCRIPTIVE NOTE: APPENDIX 5,
63 153P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-613 603.

DESCRIPTORS: (*ASTRONAUTICS, BIBLIOGRAPHIES), TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING, TELEMETER SYSTEMS, INSTRUMENTATION, SPACE ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS, ATMOSPHERE, MAGNETIC FIELDS, PARTICLES, METEORITES, COSMIC RAYS, SUN, MOON, PLANETS, ASTRONOMY, SPACE BIOLOGY, UNITED STATES (U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS TRACKING AND TELEMETRY INSTRUMENTATION AND TECHNIQUES INTERACTION BETWEEN SPACE VEHICLE AND MEDIUM GRAVITY AND GEODESY ATMOSPHERIC COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC FIELDS METEORITES, COSMIC DUST, AND TEXTITES THE SUN THE MOON AND PLANETS GENERAL ASTRONOMY LIFE SCIENCES. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 025
RAND CORP SANTA MONICA CALIF
A SELECTED BIBLIOGRAPHY OF RAND PUBLICATIONS ON SPACE RESEARCH, 1960-1964, (U)
APR 65 76P DORDICK,H. S. ISTURAK,J. T. I
REPT. NO. RM-4508 (ABRIDGED)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ASTRONAUTICS, BIBLIOGRAPHIES), SPACE FLIGHT, SPACE PROBES, ECONOMICS, POLITICAL SCIENCE, INTERPLANETARY TRAJECTORIES, LUNAR PROBES, LUNAR TRAJECTORIES, SATELLITES (ARTIFICIAL), ABSTRACTING, REPORTS, SPACE ENVIRONMENTAL CONDITIONS (U)

THE PRESENT IS DIVIDED INTO TWO MAIN PARTS: (1) A CONTENTS SECTION SUB-DIVIDED INTO EIGHT SUBJECT CATEGORIES-ECONOMIC AND POLITICAL IMPLICATIONS OF SPACE, INTERPLANETARY FLIGHT, LUNAR FLIGHT, SATELLITES, SPACE APPLICATIONS, SPACE OPERATIONS, SPACE SCIENCE, AND SPACE TECHNOLOGY. TITLES OF RELATIVE PUBLICATIONS ARE LISTED SERIALLY BY TYPE UNDER ONE OR MORE OF THESE CATEGORIES. (2) A SECTION CONSISTING OF ABSTRACTS OF THE PUBLICATIONS ARRANGED NUMERICALLY BY TYPE: BOOKS, REPORTS, RAND MEMORANDA, PAPERS, AND TRANSLATIONS. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 264
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
LMSC PUBLISHED CONTRIBUTIONS 1964 IMPRINTS. (U)
DESCRIPTIVE NOTE: CITATION BIBLIOGRAPHY,
APR 65 22P REINBURG,J. T. IKOZUMPLIK,W.
A. ;
REPT. NO. CB-65-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*BIBLIOGRAPHIES, SPACE FLIGHT), (*SPACE FLIGHT, GUIDED MISSILES), PHYSICS, MATERIALS, ELECTRONICS, ENGINEERING, NUCLEAR PHYSICS, GEOPHYSICS, MECHANICS, ASTROPHYSICS, METALLURGY, CRYOGENICS, SOLID STATE PHYSICS, THERMODYNAMICS, FLUID MECHANICS, CERAMIC MATERIALS, ATMOSPHERE (U)

PAPERS PUBLISHED BY AUTHORS IN LOCKHEED MISSILES AND SPACE COMPANY DURING 1964 ARE LISTED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 163
LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF
WEIGHTLESSNESS SIMULATION USING WATER IMMERSION
TECHNIQUES: AN ANNOTATED BIBLIOGRAPHY, (U)
JUL 65 65P ABBOTT,HELEN M. (DUDDY,JOHN
H. ;
REPT. NO. 5-24-65-3 ,SB-65-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*WEIGHTLESSNESS, SIMULATION),
BIBLIOGRAPHIES, UNDERWATER, SPACE MEDICINE,
HUMANS, STRESS(PHYSIOLOGY), ACCELERATION
TOLERANCE, IMPACT SHOCK, HUMAN ENGINEERING,
STRESS(PSYCHOLOGY) (U)

THE COMPILATION CONTAINS 97 SELECTED REFERENCES
PERTAINING TO BIOMEDICAL AND BEHAVIORAL RESEARCH
INVOLVING IMMERSION OF HUMAN SUBJECTS. THE
REFERENCES ARE ORGANIZED UNDER THREE PRINCIPAL
TOPICS: (1) PHYSIOLOGICAL STUDIES, INCLUDING
ACCELERATION, IMPACT PROTECTION AND PHYSIOLOGICAL
RESPONSES TO WEIGHTLESSNESS SIMULATIONS, (2)
HUMAN ENGINEERING STUDIES, AND (3)
TECHNIQUES AND PERSONAL EQUIPMENT REQUIREMENTS
FOR IMMERSION STUDIES. THE REFERENCES ARE ARRANGED
ALPHABETICALLY BY AUTHOR OR TITLE UNDER EACH SEPARATE
TOPIC. AN AUTHOR INDEX IS INCLUDED AS AN AID
IN LOCATING SPECIFIC INVESTIGATORS AND PUBLICATIONS.
THE REFERENCES CITED ARE CONSIDERED TO BE THE
PRINCIPAL CONTRIBUTIONS TO THE LITERATURE DURING THE
PERIOD FROM 1951 THROUGH 1965, INCLUDING BOTH OPEN
AND GOVERNMENT SOURCES. (AUTHOR) (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-631 293 22/3 22/1 1/1
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D C
SPACECRAFT UTILIZING THE LIFTING REENTRY TECHNIQUE. PART II. REVIEW OF THEORETICAL STUDIES IN LIFTING REENTRY. (U)
DESCRIPTIVE NOTE: SECT. I, COMPREHENSIVE REPT., SECT. II, ANNOTATED BIBLIOGRAPHY.
APR 66 383P KLEIN,VICTOR ;
BARATOFF,ALEXIS ;SOUKHANOV,IVAN M. ;
REPT. NO. ATD-66-34-PT-2,
MONITOR: TT , 66-61052

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON COMMUNIST WORLD OPEN TECHNICAL LITERATURE, 1 JAN 57-31 DEC 64.

DESCRIPTORS: (*ATMOSPHERE ENTRY, *LIFT), (*AERODYNAMICS, ATMOSPHERE ENTRY), (*SPACECRAFT, ATMOSPHERE ENTRY), BIBLIOGRAPHIES, ASTRONAUTICS, AERONAUTICS, AEROSPACE CRAFT, AERODYNAMIC HEATING, THERMAL STRESSES, SHOCK WAVES, ABLATION, HEAT SHIELDS, METEORITES, HAZARDS, USSR (U)

THIS REPORT (COMPREHENSIVE REPORT WITH ANNOTATED BIBLIOGRAPHY) IS BASED ON SOVIET-SATELLITE OPEN SOURCES PUBLISHED 1957-1964, ALTHOUGH SOME EARLIER ARTICLES ARE INCLUDED. SECTION I IS A COMPREHENSIVE REVIEW OF SOURCES ON THEORETICAL AND EXPERIMENTAL STUDIES OF PROBLEMS IN FIELDS OF SPACE SCIENCES, I.E., PROBLEMS OF LIFTING AND BALLISTIC HYPERVELOCITY FLIGHT, AND ATMOSPHERIC REENTRY TECHNIQUES. THERE ARE FOUR PARTS FOLLOWING THE INTRODUCTION: GROUP A. HIGH-SPEED AERODYNAMICS AND GAS DYNAMICS; GROUP B. HIGH-SPEED AEROTHERMODYNAMICS; GROUP C. HIGH-SPEED FLIGHT MECHANICS; GROUP D. STRENGTH OF FLIGHT -VEHICLE COMPONENTS (THIN AND SANDWICH PLATES AND SHELLS). A BRIEF CONCLUSION IS GIVEN. IN WRITING THIS REPORT ARTICLES AND MONOGRAPHS HAVING A CLOSER RELATION TO THE REENTRY PROBLEM AND SHOWING EITHER AN ORIGINAL APPROACH TO THE PROBLEM OR A NEW METHOD APPLIED TO ITS SOLUTION WERE SELECTED FROM THE BIBLIOGRAPHY AND USED. SECTION II IS AN ANNOTATED BIBLIOGRAPHY CONTAINING 861 ENTRIES ARRANGED BY SUBJECT IN A MANNER SIMILAR TO SECTION I: GROUP A. AEROMECHANICS OF HIGH-SPEED FLOWS (451 ENTRIES); GROUP B. AEROTHERMODYNAMICS OF HIGH-SPEED FLOWS (168 ENTRIES); GROUP C. FLIGHT MECHANICS (53 ENTRIES); GROUP D. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-632 761 22/2 22/1 22/3 3/2
TRW SYSTEMS REDONDO BEACH CALIF
THE SOVIET SPACE PROGRAM: A SELECTIVE
BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: SPECIAL LITERATURE SURVEY NO. 16,
MAR 66 13P MAGNOLIA,L. R. :
REPT. NO. 9990-7235-T0-000,
MONITOR: TT , 66-61250

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SPACE FLIGHT, USSR),
(*BIBLIOGRAPHIES, SPACE FLIGHT), MOON,
WEIGHTLESSNESS, SATELLITES(ARTIFICIAL),
SPACECRAFT, SPACE BIOLOGY, GEOPHYSICS (U)

THE BIBLIOGRAPHY CONSISTS OF 121 ITEMS, ARRANGED
ALPHABETICALLY BY AUTHOR OR BY THE ISSUING AGENCY. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-641 973 22/1
TRW SYSTEMS REDONDO BEACH CALIF
MANNED EXPLORATION, COLONIZATION AND EXPLOITATION OF
THE LUNAR SURFACE; A SELECTIVE BIBLIOGRAPHY. (U)
DESCRIPTIVE NOTE: SPECIAL LITERATURE SURVEY NO. 26,
OCT 66 15P MAGNOLIA,L. R. I
REPT. NO. 99900-6045-T000

UNCLASSIFIED REPORT

DESCRIPTORS: (*LUNAR ENVIRONMENT,
BIBLIOGRAPHIES), LUNAR BASES, LUNAR CRAFT,
LUNAR SURFACE VEHICLES, ASTRONAUTICS, MANNED,
MOON, SURVIVAL (U)

THE REPORT LISTS 124 REFERENCES WHICH ARE ALL
AVAILABLE TO THE PUBLIC. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-645 072 22/3 20/4
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY DIV
SPACECRAFT UTILIZING THE LIFTING AND BALLISTIC REENTRY TECHNIQUES. PART II. REVIEW OF THEORETICAL STUDIES IN LIFTING AND BALLISTIC REENTRY, (U)
AUG 66 186P KLEIN,VICTOR ;
BARATOFF,ALEXIS ;
REPT. NO. ATD-66-106
MONITOR: TT 67-60400

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF FOREIGN SCIENTIFIC AND TECHNICAL LITERATURE. SEE ALSO AD-608 504.

DESCRIPTORS: (*ATMOSPHERE ENTRY, MANNED SPACECRAFT), (*REENTRY VEHICLES, ATMOSPHERE ENTRY); (*LIFTING REENTRY VEHICLES, ATMOSPHERE ENTRY), BALLISTICS, REVIEWS, ABSTRACTS, BIBLIOGRAPHIES, AERODYNAMICS, THERMODYNAMICS, FLIGHT, SPACECRAFT COMPONENTS, USSR, THEORY (U)

CONTENTS: (A) HIGH-SPEED AERODYNAMICS AND GAS DYNAMICS (SUPERSONIC AND HYPERSONIC AERODYNAMICS; RADIATION, DISSOCIATION, IONIZATION, RELAXATION; BOUNDARY LAYER; SHOCK WAVES; OPTIMUM AERODYNAMIC SHAPES); (B) HIGH-SPEED AEROTHERMODYNAMICS (AERODYNAMIC HEATING; PROTECTION AGAINST AERODYNAMIC HEATING; EXPERIMENTAL STUDIES AND EQUIPMENT); (C) HIGH-SPEED FLIGHT MECHANICS (SPACE VEHICLE DESCENT; SPACECRAFT MOTION AND CONTROL; BALLISTIC AND POWER-FLIGHT TRAJECTORIES; METEORITE HAZARDS); (D) STRENGTH OF FLIGHT-VEHICLE COMPONENTS (THIN AND SANDWICH PLATES AND SHELLS) (GENERAL THEORIES OF STRENGTH; STATIC STRENGTH; DYNAMIC STRENGTH OF PLATES AND SHELLS); (E) MISCELLANEOUS. AN ANNOTATED BIBLIOGRAPHY (94 PAGES AND 241 ENTRIES) IS INCLUDED. (U)

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-650 581 22/2 4/1 20/6
MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND TECHNOLOGY
REMOTE SENSING OF ENVIRONMENT. (U)
DESCRIPTIVE NOTE: PROGRESS REPT., 1 AUG 65-31 DEC 66,
APR 67 28P PRENTICE,VIRGINIA L. ;
REPT. NO. 4864-12-P
CONTRACT: NONR-1224(44)
PROJ: NR-387-028

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-614 032.

DESCRIPTORS: (*SPACE PROBES, SYMPOSIA), (*ATMOSPHERIC SOUNDING, INSTRUMENTATION), (*REMOTE CONTROL SYSTEMS, MONITORS), RADAR, RADAR IMAGES, INFRARED IMAGES, BIBLIOGRAPHIES, ENVIRONMENT, LASERS, MICROWAVES, INFRARED RADIATION, ELECTROMAGNETIC WAVES (U)

THIS DOCUMENT REPORTS INVESTIGATION OF PROGRESS IN THE UNCLASSIFIED AREAS IN THE TECHNOLOGY OF REMOTE SENSING OF ENVIRONMENT. IT INCLUDES A SYNOPSIS OF PROGRESS IN THE FIELD AS REPORTED AT THE FOURTH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, A DISCUSSION OF THE EXISTENCE AND AVAILABILITY OF UNCLASSIFIED IMAGERY, AND A SUMMARY OF RELATED ACTIVITIES. A SELECTED BIBLIOGRAPHY OF MATERIAL PUBLISHED IN THE OPEN LITERATURE IS ALSO INCLUDED. (U)

*AERONAUTICAL CHART AND INFORMATION CENTER ST LOUIS MO

* * *

CATALOG OF PUBLICATIONS.
AD-609 226

*AERONAUTICAL SYSTEMS DIV WRIGHT-PATTERSON AFB OHIO

* * *

ASD-TR61 408
SURVEY OF RECENT RESEARCH ON FLAME EXTINGUISHMENT.
AD-435 541

*AEROSPACE CORP EL SEGUNDO CALIF

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PROFESSIONAL PAPERS CLEARED FOR POSSIBLE PUBLICATION AND/OR PRESENTATION.
AD-600 728

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CSR169 9990FBR1
BIBLIOGRAPHY OF REPORTS.
AD-438 720

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PROFESSIONAL PAPERS CLEARED FOR POSSIBLE PUBLICATION AND/OR PRESENTATION.
AD-602 241

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AD-602 241

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AD-412 658

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TDR269 4303 6
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(SSD-TDR63 375)
AD-433 614

*AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D C

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PLASMA SPECTROSCOPY, ANNOTATED BIBLIOGRAPHY.
(AID-B63 93)
AD-414 327

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AID-61-165A
THERMAL STABILITY OF JET [illegible]
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(TT-65-64076)
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AID-U-64-2
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AID-U-64-4
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(TT-65-64121)
AD-622 232

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AID-U-64-21
ACTIVITIES INVOLVING BLASTIN[illegible] OPERATIONS: REVIEW ARTICLE AND ANNOTATED BIBLIOGRAPHY (USSR).
(TT-65-64453)
AD-623 242

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AID-U-64-28
ULTRASONIC ATTENUATION STUDI[illegible] OF IRRADIATED MATERIALS: ANNOTA[illegible] BIBLIOGRAPHY.
(TT-65-64457)
AD-623 246

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AID-U-64-37
CURRENT INFORMATION ON FUELS AND LUBRICANTS: COMPILATION OF ABSTRACTS.
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AD-623 248

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NUCLEAR WEAPONS EFFECTS: COMPILATION OF ABSTRACTS.
(TT-65-64460)
AD-623 249

*AEROSPACE MEDICAL RESEARCH LABS WRIGHT-PATTERSON AFB OHIO

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AMRL-TDR63 121
BIBLIOGRAPHY OF BIOREGENERAT[illegible] SYSTEMS FOR EXTRATERRESTRIAL HABITATION.
AD-430 814

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AD-610 079

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OPTICAL DETECTION: COMPILATION OF ABSTRACTS.
(TT-65-64725)
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COMPOUND SEMICONDUCTORS: ANALYTICAL SURVEY.
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STRUCTURE OF ORGANIC CRYSTALS: ANNOTATED BIBLIOGRAPHY.
(TT-66-60263)
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THE THEORY OF DETONATION, THE COMBUSTION MECHANISM, AND THE PROPERTIES OF EXPLOSIVES.
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LIQUID AND SOLID PROPELLANTS TECHNOLOGY: COMPILATION OF ABSTRACTS.
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AD-628 166

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SPACECRAFT UTILIZING THE LIFTING REENTRY TECHNIQUE. PART II. REVIEW OF THEORETICAL STUDIES IN LIFTING REENTRY.
(TT-66-61052)
AD-631 293

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ATD-66-56
ULTRAHIGH PRESSURE STUDIES AND CRYSTAL GROWTH TECHNIQUES: ANALYTICAL SURVEY.
(TT-66-61772)
AD-635 495

•AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD MASS

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AFCRL-62 1075
THE STUDY OF HYDROMAGNETIC PROBLEMS BEARING ON GEOMAGNETISM.
AD-417 336

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AFCRL-63 160
A LITERATRE SURVEY O THE PURIFICATION OF ELECTRONIC MATERIALS.
AD-412 458

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AFCRL-64 202
WEATHER RADAR RESEARCH AND STORM DYNAMICS.
AD-430 520

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AFCRL-65-384
A BIBLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR PHENOMENON. SUPPLEMENT NO. 1.
AD-618 131

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A BIBLIOGRAPHY OF LASER APPLICATIONS.
AD-655 774

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A BIBLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR PHENOMENON. SUPPLEMENT NO. 1.
AD-618 131

•AIR FORCE FLIGHT DYNAMICS LAB WRIGHT-PATTERSON AFB OHIO

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AFFDL-TR-66-67
DEVELOPMENT OF EXPERIMENTAL TESTING PROGRAMS TO VERIFY THERMAL STRESS ANALYSIS.
AD-486 798

•AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OHIO

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TR-60-3
THE MEASUREMENTS OF E/M, AN

ANNOTATED BIBLIOGRAPHY,
AD-630 602

•AIR FORCE MATERIALS LAB WRIGHT-PATTERSON AFB OHIO

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ML-TR-64-416
ELECTRON FRACTOGRAPHY HANDBOOK,
AD-612 912

•AIR FORCE OFFICE OF SCIENTIFIC RESEARCH ARLINGTON VA

• • •

PROBLEMS IN RHEOLOGY AND PHYSICAL CHEMISTRY,
AD-416 376

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AFOSR-64 1110
STRUCTURES OF BIOLOGICALLY ACTIVE MOLECULES,
AD-601 690

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AFOSR-64 1138
FINAL REPORT (AEROSPACE ENGINEERING: GAS DYNAMICS),
AD-601 730

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AFOSR-65-2019
BIBLIOGRAPHY ON MHD CHANNEL FLOW,
AD-627 901

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AFOSR-66-0917
RESEARCH IN OPTICAL COHERENCE,
AD-634 013

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AFOSR-66-2692
RESEARCH ON SPEECH COMMUNICATION AND AUTOMATIC SPEECH RECOGNITION,
AD-642 783

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AFOSR-700-3
AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY, VOLUME III, 1959,
AD-626 600

•AIR FORCE WEAPONS LAB KIRTLAND AFB N MEX

• • •

AFWL-RTD TDR63 3025
BIBLIOGRAPHY OF EXTRATERRESTRIAL RESEARCH,
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