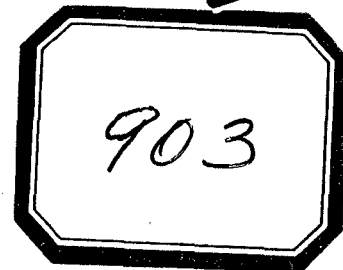


AD0262958

01



DIRECTORY

of

R and D

INFORMATION SYSTEMS

**A Listing of Centers, Services, Sources and Systems
engaged in collecting, storing and disseminating**

SCIENTIFIC DATA and INFORMATION

applicable to

AEROSPACE RESEARCH and TECHNOLOGY

August 1961

Best Available Copy

**DCS/Plans and Operations
Headquarters, Office of Aerospace Research
United States Air Force
Washington 25, D C**

20061016190

FOREWORD

This volume is the result of a survey of information centers, services, sources, and systems of use to scientists, engineers, planners, and managers in Air Force research and development. It was compiled during the period February to July, 1961, with the assistance of many individuals and agencies engaged in the performance, handling and documentation of research and development.

Special thanks are due to the technical information staffs of the following institutions and agencies who have been most helpful in locating, furnishing, and clarifying sources of technical information.

Advanced Research Projects Agency
Armed Services Technical Information Agency
Atomic Energy Commission
Battelle Memorial Institute
Department of the Army
Department of the Navy
Headquarters, Air Force Systems Command
Library of Congress
National Academy of Sciences - National Research Council
National Aeronautics and Space Administration
National Federation of Science Abstracting and Indexing Services
National Science Foundation

While we gratefully acknowledge the assistance of the above groups and others, any shortcomings, are, of course, the responsibilities of the editors.

It is hoped that this volume will be a useful tool to all those who are seeking sources of scientific and technical data and information.

By the time publication and distribution have been accomplished, certain of the information herein will be out of date, or in error. It is requested that users of this book assist in improving the accuracy of future editions by reporting additions or corrections on the tear-sheet provided in the back of the book.

ABSTRACT

This volume presents the findings of a survey of information centers, services, sources and systems collecting, storing and distributing information and data useful in Air Force research and development. It includes descriptions of content and services of each system, and brief instructions for their use. Various search methods are provided for locating information sources pertaining to narrow or broad areas of interest.

PUBLICATION REVIEW

This report has been reviewed and is approved.


CHARLES E. CARSON
Colonel, USAF
Deputy Commander

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION.....	1
HOW THIS VOLUME IS ORGANIZED.....	2
PART I - ALPHABETICAL LISTING OF INFORMATION SYSTEMS AND CROSS REFERENCES.....	3
PART II - BROAD AREA LISTING OF SYSTEMS TITLES.....	207
Aerospace Science and Technology, General.....	209
Applied Science and Technology.....	210
Chemistry, Physics, Mathematics.....	211
Earth, Atmosphere and Space Sciences.....	212
Foreign Science and Technology.....	213
Fuels, Propulsion, Power.....	215
Life Sciences (Including Medicine).....	216
Materials, Metals.....	217
PART III - SUBJECT INDEX.....	219
BIBLIOGRAPHY.....	245
DISTRIBUTION LIST.....	252

INTRODUCTION

This volume is published in the hope of increasing the meaningful exchange of information among those who develop and use technical information and those who collect, store, and publish it. It is an initial step in a study which proposes to find ways of improving information flow and use by better integrating the methods, procedures, and systems through which this interchange is accomplished.

Primarily, this effort was an attempt to list all information systems operated by or supported by the government which contain material of interest to Air Force research and development. In practice, this was broadened to include all systems of use in aerospace R&D. The definition of "information systems" was broadened to include information centers, services, and sources. This expansion allowed for the inclusion of many publications, such as lists of indexes and abstracts, as well as certain bibliographies, because of their considered importance to aerospace technology.

Most of the information sources listed in this document are historical in character. This means that they report, analyze or announce work which has been completed, and which is anywhere from six months to two years, or more, old. It must be emphasized that the most important information, from the point of view of management, planning, and work in progress is current information, because such is the basis of present applications and future plans. Work is now going forward with the aim of developing ways in which current information can be made more quickly and completely available to all potential users.

HOW THIS VOLUME IS ORGANIZED

1. GENERAL: This volume has been organized so that it will be useful from any one of several different approaches. Information systems included can be located by their given names, through cross reference to the name of the sponsoring organization, by reference to the broad subject field in which they specialize, or through the use of a conventional subject-word index.
2. INFORMATION SYSTEMS ALPHABETICAL LISTING: (Part I) - Each system is listed alphabetically in accordance with its full name or widely accepted abbreviation. Numbers are assigned each listed system to facilitate search from the subject index. Some numbers have been intentionally omitted, where it was decided, subsequent to the numbering operation, to omit or relocate a certain system. The letter suffix to some system numbers is accounted for by systems which were inserted after the original assignment of numbers.
3. CROSS REFERENCES: When an information system is widely identified with the institution or agency who sponsors, supports or houses it, it has been listed as a cross reference under the name of such institution or agency.
4. BROAD AREA LISTING: (Part II) - Some systems have sufficiently broad areas of coverage so as to make it impractical to list them in the subject index under all possible search words. In these cases, the systems are listed alphabetically under the applicable area or areas. The titles of these areas are found in the Table of Contents.
5. SUBJECT INDEX: (Part III) - Since most users will probably find the subject words best suited to their search purposes, a rather extensive cross indexed subject search list has been included. The numbers given next to the subject words refer, of course, to the number of a system listed in Part I.

PART I

ALPHABETICAL LISTING OF INFORMATION SYSTEMS AND CROSS REFERENCES

1

ABSTRACT BIBLIOGRAPHY

Quartermaster R&E Command, Natick, Mass., OL 3-1000
(Army)

Abstracts of technical reports published, indexed by title, test
number, project.

Annual

2

"ABSTRACT BULLETIN OF ALUMINUM LABORATORIES, LTD."

Box 84, Kingston, Canada
(Aluminum Laboratories, Ltd.)

Abstracts covering aluminum and other light metals from 275
journals, books, patents and other publications. Started with
1931 annual subject index.

Monthly by request - 2000 abstracts/yr.

3

ABSTRACT OF WORK STATEMENT - RCS: ARDC-R26 (ARDC FORM 229)

Andrews AFB, Washington 25, DC., RE 5-8900, ext. 5270
(AFSC)

Used only in Applied Research Program (700) for both contract and
inhouse work. Gives a brief description of work and such other
information as contract number, project number, duration, funds,
etc.

4

ABSTRACTS & INDEX OF UERD TECHNICAL PUBLICATIONS

Norfolk Naval Shipyard, Portsmouth, Va.
(Underwater Expulsions Research Div.)

A list of publications, papers and films, cross indexed under
titles, chronologically and subject matter. Starts with 1946.

6

ABSTRACTS OF ARTICLES ON GEODESY & RELATED FIELDS

6500 Brooks Lane, Washington 25, DC
(Army Map Service)

Abstracts covering foreign journals, with author and subject indexes.
Quarterly by request - 250 abstracts/yr.

7

"ABSTRACTS OF PRB RESEARCH PUBLICATIONS"

Adjutant General Office, Dept. of Army, Washington 25, DC
(Army) Human Factors Research Branch

Abstracts of publications of Personnel Research and Procedures Div.
Monthly

8

"ABSTRACTS OF SOVIET MEDICINE" (Part A-Basic Medical Sciences)

2 E 103rd Street, New York 29, NY

(Excerpta Medica Foundation)

Anatomy, anthropology, biochemistry, embryology, endocrinology, histology, immunology, microbiology (Medical), pathological anatomy, pathology (General), pharmacology, physiology, serology (Russian abstracts translated from Meditsinskii Referativnyi Zhurnal).

300-400 journals

9

"ABSTRACTS OF SOVIET MEDICINE" (Part B-Clinical Medicine)

2 E 103rd Street, New York 29, NY

(Excerpta Medica Foundation)

Cancer, chest diseases, dermatology, gynaecology, hygiene, internal medicine, obstetrics, neurology, ophthalmology, oto-rhine-laryngology, pediatrics, psychiatry, public health, radiology, social medicine, surgery, venereology, (Russian abstracts translated from Meditsinskii Referativnyi Zhurnal).

300-400 journals

10

"ABSTRACTS ON MILITARY & AVIATION OPHTHALMOLOGY & VISUAL SCIENCES"

1011 New Hampshire Avenue, NW, Washington 7, DC

(Biological Sciences Foundation)

Every few years, subject classification, author and subject cumulation. Military and aviation ophthalmology.

Irregular - less than one/yr. \$20.00. 5 volumes, 1500 abstracts

ACADEMIC PRESS

see:

"Advances in Space Science"

"Advances in Geophysics"

"Advances in Applied Mechanics"

ACADEMY OF SCIENCES - USSR

see:

All Union Institute of Scientific & Technical Information

ACOUSTICAL SOCIETY OF AMERICA

see:

"Journal of the Acoustical Society of America"

11

"ACTA Metallurgica"

122 E 55th Street, New York 22, NY

(Pergamon Press)

References to metallurgical work contained in British, German and Italian journals. Started 1953.

Monthly by subscription. \$12.00. 400 references/yr.

12

ADAMS CENTER FOR ECOLOGICAL STUDIES

Western Michigan University, Kalamazoo, Mich., FI 9-2611
(Western Michigan University)

Maintains literature on Ecology covering animal, plant, human,
microclimatology, luminology, answering service.

13

ADMINISTRATIVE BULLETIN NO. 1 - List of Printed Publications

Federal Communications Commission, Washington 25, DC - EX 3-3620
(Federal Communications Commission)

A list including the title and price of all currently available
Commission publications.

Irregularly revised - GPO

14

ADVANCED INFORMATION SYSTEMS COMPANY

3002 Midvale Avenue, Los Angeles 36, Calif., GR 8-1801
(Advanced Information Systems Co)

Provides technical services in the design and instrumentation of
information systems.

15

ADVANCED RESEARCH PROJECTS AGENCY (ARPA)

Department of Defense, Washington 25, DC., OX 7-8904
(Department of Defense)

"Summary of ARPA Space Technology Program Review", Sep 59.

Over-the-Horizon Detection (Ballistic Missile), Stanford Research
Institute (continuing). VESIAC - Data collection from Project
VELA. Under contract with University of Michigan, who analyze
and publish S/A reports on Nuclear Detection in Space and Under-
ground. BAMRAC - University of Michigan Project Missile Tracking
Radiation Data (IR, Opt, UV, El-Mag). IGFVP - (Interservice
Group on Flight Vehicle Power) sponsors Power Information Center.
Institute for Defense Analyses (IDA) - studies for ARPA, dissemina-
tion by Mr. Koether.

Special reports, S/A Reviews, Data - Substantiated request through
Mr. Koether

ADVANCED RESEARCH PROJECTS AGENCY (ARPA)

see:

Power Information Center
Summary of ARPA Space Technology Program Review
Interservice Data Exchange Program (IDEP)

16

"ADVANCES IN APPLIED MECHANICS"

111 Fifth Avenue, New York 3, NY
(Academic Press, Inc.)

Review papers and references covering aerodynamic flow, shock waves,
boundary-layer and related areas. Started 1948, from papers, pro-
ceedings, reports, journals, and various other sources with author
and subject indexes.

Irregularly - 250 references/issue

17

"ADVANCES IN GEOPHYSICS"

111 Fifth Avenue, New York 3, NY

(Academic Press, Inc.)

Review papers and references from books, reports, journals, etc.

Started 1952, with author and subject indexes.

Irregularly published - 360 references/volume

18

"ADVANCES IN SPACE SCIENCE"

111 Fifth Avenue, New York 3, NY

(Academic Press, Inc.)

Review papers and references in each volume from journals, patents, etc., on space sciences. Started 1959, author and subject indexes.

Annual - 6 papers, 325 references/yr.

19

ADVISORY GROUP FOR AERONAUTICAL RESEARCH & DEVELOPMENT (AGARD)

64 Rue de Varenne, Paris 7e, France

(Advisory Group for Aeronautical R&D)

This NATO group coordinates research and facilitates the interchange of R&D information through working panels. Publications obtained through NASA (see "NASA Technical Publications Announcements").

20

ADVISORY GROUP ON ELECTRONIC PARTS (AGEP)

Moore School of Electronics, University of Pennsylvania,
Philadelphia 4, Pa.

(Advisory Group on Electronic Parts)

Collects reports on electronic materials. Distributes records of government sponsored research in this area. Furnishes loose leaf addenda to "project books" on this area. Prepares resumes on electronic parts. Army-Navy-Air Force co-sponsored.

21

ADVISORY GROUP ON ELECTRON TUBES (AGET)

346 Broadway, New York 13, NY - RE 2-8000, ext. 536.

(Advisory Group on Electron Tubes)

Collects reports and literature on electron tubes, ceramics, seals, cathode coatings, semiconductor devices and manufacturing information. Army-Navy-Air Force cosponsored. Bulletins and project books on this area.

Bulletins, Loosefeal fillers to government officials.

22

AERODYNAMICS & FLIGHT MECHANICS

145 Sloterweg, Amsterdam W, Netherlands

(National Aeronautical Research Institute)

Aerodynamics and flight mechanics; type: reports and journal articles.

7,000 items

23

"AERODYNAMIC STUDIES: FORCES ACTING ON AN AIR VEHICLE, A REVIEW"

University of Chicago, Chicago, Ill.

(Institute for Systems Research)

References on aerodynamics from journals, reports, etc., by subject and author arrangements. A continuing bibliography, started 1952.

Air Force supported.

Irregularly published - Obtain from OTS, ASTIA - 500 references/yr.

24

AERO-FRANCE

6 Rue Galilee, Paris XVIe, France

(Aero-Club du France)

French abstracts on aeronautics technology. Started 1949, from government documents and 60 French journals, annual author, subject, illustration indexes.

Monthly - \$4.00/yr. - 400 abstracts/yr.

AEROJET GENERAL CORPORATION

see:

Chemical Fragments as Ultra-energy Propellants

25

AERONAUTICAL CHART & INFORMATION CENTER

2d & Arsenal Streets, St Louis 18, Mo.

(Air Force)

Maintains library and aerial photography and related information.

Flight information publications.

Manuals, Charts, Film, Flight information

26

AERONAUTICAL ENGINEERING REVIEWS

2 E 64th Street, New York 21, NY

(Institute of the Aeronautical Sciences)

Collects and prepares abstracts from current unclassified technical aeronautical literature. Scientific fields include: acoustics, aerodynamics and fluid mechanics, aeroelasticity, electronics, fuels and lubricants, instruments, missiles and rockets, nuclear energy, power plants, propellers, research and research facilities, rotating wing aircraft, space travel, structures, and thermodynamics.

AERONAUTICAL STANDARDS GROUP

see:

"Chordwise Air Load Distribution" (ANC-1)

"Ground Loads" (ANC-2)

"Water Loads" (ANC-3)

"Strength of Metal Aircraft Elements" (MIL Handbook 5)

"Aircraft Propeller Handbook" (ANC-9)

"Vibrations and Flutter Prevention Handbook" (ANC-12)

"Plastics for Flight Vehicles" (MIL Handbook 17-Part I)

AERONAUTICAL STANDARDS GROUP (Cont'd)

see:

- "Transparent Glazing Materials" (MIL Handbook 17-Part II)
- "Design of Wood Aircraft Structures" (ANC-18)
- "Wood Aircraft Inspection and Fabrication" (ANC-19)
- "Composite Construction" (MIL Handbook 23-Part I)
- "Sandwich Construction for Aircraft" (MIL Handbook 23 - Part II)
- "Design Procedures" (MIL Handbook 23-Part III)

AERONAUTICAL SYSTEMS DIVISION

see:

- Thermophysical Properties of Cryogenic Materials
- Analytical Applications of Far Infrared Spectra
- Materials Central
- Documents Control Branch
- Summary of Technical Activity of the WADC Materials Laboratory
- A Review of the Air Force Materials R&D Program
- Materials Information Center

AEROSPACE CORPORATION

see:

- Interservice Data Exchange Program

27

"AEROSPACE ENGINEERING"

2 E 64th Street, New York 21, NY

(Institute of the Aeronautical Sciences)

Abstracts and index entries arranged by author and subject classification with annual expanded cumulative index. Covers all engineering technology in aerospace sciences. Started 1940.

Monthly, Annual index - \$5.00/yr. monthly - \$15/yr. Index

28

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA

610 Shoreham Building, Washington 6, DC

Supported by 140 members of the aerospace industry. Forms committees and working groups from among 1600 representatives throughout the industry to work on current problems. Basic documents, reports and compilations available on request. Provide answer to technical questions, and perform consultation. Washington staff of 65 people. Typical committees are: Aircraft Mfg., Accessories & Equipment, Research & Testing, Guided Missiles, Industrial Relations. Publishes: "Aircraft Yearbook", "Planes", "Aviation Facts & Figures", "US Aviation Today".

Obtain by request.

AEROSPACE MEDICAL ASSOCIATION

see:

- Aviation Medicine - An Annotated Bibliography
- Aerospace Medicine

29

"AEROSPACE MEDICINE"

2642 University Avenue, St Paul 14, Minn.

(Aerospace Medical Association)

Monthly, informative abstracts, annual subject index. Aerospace Physiology; aerospace psychology; history and general aspects of aerospace medicine; miscellaneous problems; pathology and pharmacology of aviation and space flight; preventive medicine and sanitation; special problems in high-altitude and space flight.

Abstracts - \$10.00 - 700/yr.

30

AEROSPACE MEDICINE AND BIOLOGY: AN ANNOTATED BIBLIOGRAPHY

Science & Technology Division, Library of Congress, Washington 25, DC

An alphabetical listing by author of abstracts with corporate author and subject indexes. Started 1956.

2 volumes/yr. - OTS - 1500 abstracts/yr.

31

"AEROSPACE YEAR BOOK"

1001 Vermont Avenue, NW, Washington 5, DC

(American Aviation Publications)

Review papers on all areas of military and civilian aviation and space technology. Started 1919, bibliographies included with each paper, subject and advertiser index, annual list of books published in previous year.

Annual - 12 reviews/yr.

32

"AEROTECHNICA"

Piazza San Bernardo 101, Rome, Italy

(Associazione Italiana de Aerotechnica)

Abstracts in Italian with headings in original language, from journals and industrial reports, annual author and subject indexes. Started 1921.

Bi-monthly - \$6.50/yr. - 20 abstracts/yr.

AFEMD

see:

Ballistic Systems Division

33

AFEMD TECHNICAL LIBRARY ANNOUNCEMENTS

Hq Ballistic Systems Division, Los Angeles 45, Calif.

References to AFEMD technical reports, indexed by subject, contract number, and report number. Covers missile and space systems, satellites and related areas.

Weekly

AFSC (AIR FORCE SYSTEMS COMMAND)

see:

Abstract of Work Statement - RCS: ARDC-R27 (ARDC Form 229)
Annual Index of AFSC Technical Documentary Reports
ARDC Technical Facilities & Equipment Summary - RCS: ARDC-D62
Data Available in Comptroller Files - DACF
Financial Status Report of Contract (RCS: ARDC-C85)
Operation Cost Report by ARDC Program Structure - RCS: ARDC-C82
Program Evaluation Procedure - PEP
R&D Contracts and Purchase Orders - RCS: ARDC-C61
R&D Manpower Program Summary - RCS: ARDC-D33, ARDC Form 109
R&D Program Status Report - RCS: 1-AF-D21
RDT&E Project Card - DD Form 613, 613C, RCS: DD-DR&E (AF)400
Status of Funds, RCS: ARDC-C21
USAF R&D Program Summary - RCS: AF-R13
Directory on non-ARDC (AFSC) Technical Boards & Committees
Electromagnetic Compatibility Analysis Facility

AGARD

see:

Advisory Group for Aeronautical Research & Development

AGEP

see:

Advisory Group on Electronic Parts

AGET

see:

Advisory Group on Electron Tubes

34

"AIRCRAFT ENGINEERING"

12 Bloomsbury Square, London WC1, England
(Bunhill Publications, Ltd.)

Abstracts from reports and patents, annual index by country of source. Started 1929, covers electronics, aero/astro sciences, rocket projectiles, etc.

Monthly - \$4.50/yr. - 300 abstracts/yr.

AIRCRAFT INDUSTRIES ASSOCIATION OF AMERICA, INC.

see:

Aerospace Industries Association of America, Inc.

35

"AIRCRAFT PROPELLER HANDBOOK (ANC-9)"

Aeronautical Standards Group, Washington 25, DC., OX 6-2926

AIR FORCE

see:

Aeronautical Chart & Information Center
Operations Analysis Office
"Operations Analysis Publications Index"

AIR FORCE (Cont'd)

see:

"List of Technical Reports"

RCS Reports - Hq USAF

AIR FORCE BALLISTIC MISSILE DIVISION

see:

Ballistic Systems Division

AIR FORCE FLIGHT TEST CENTER

see:

"Technical Information Review" (TIR)

AIR FORCE LOGISTICS COMMAND

see:

Contracts - AMC

Weapon System Programming & Control System

AIR FORCE SYSTEMS COMMAND

see:

AFSC

36

AIR INFORMATION DIVISION

Library of Congress, Washington 25, DC., ST 3-0400, ext. 8061

Periodical references, books, newspapers. Prepares abstracts, reviews, surveys, analyses, acquisition lists (in English).

Concentrates on Soviet and Communist China Technical work.

Publishes "Item of Interest" on irregular basis since 1960.

Consists of about 100 informative abstracts per year published as separate items covering journals and monography in physical sciences: aeronautics, astronomy, geodesy, space technology, etc. Also "Selected List of New AF and LC Material in Science & Technology.

Obtain from OTS, ASTIA

AIR MATERIEL COMMAND

see:

Air Force Logistics Command

AIR REDUCTION COMPANY, INC.

see:

Information Center

AIR RESEARCH & DEVELOPMENT COMMAND

see:

AFSC (Air Force Systems Command)

AIR UNIVERSITY

see:

Air University Periodical Index
Mathematical Computation Branch
Research and Special Studies
Student Research Reports

37

AIR UNIVERSITY PERIODICAL INDEX

Air University Library, Maxwell AFB, Ala.

(Air University)

Covers aerospace sciences along with military operations, references
with alphabetical arrangement. Started 1949.

Quarterly by request - 18,000 references/yr.

AIR WEATHER SERVICE (USAF)

see:

Climatic Center

AKADEMI-VERLAG GMBH

see:

Physikalische Berichte

AKAD. NAUK SSSR

see:

Referativnyi Zhurnal Astronomiya, Geodesiya

ALLIED RESEARCH ASSOCIATES, INC.

see:

Research Reports

38

ALLOY CASTING INSTITUTE

1001 Franklin Avenue, Garden City, NY., PL 6-3970

Physical constants and mechanical properties of castings at sub-
zero, room and high temperatures. Foundry and fabricating
characteristics: weldability, machinability, applications and
specifications.

Answers, Evaluations, Reviews by request

39

ALLOY CASTING INSTITUTE

286 Old Country Road, Mineola, NY

Trade association maintaining a library collection of industrial
reports and literature on castings, alloys, metallurgy and
protective coatings. Reports and state-of-the-art reviews
available for distribution or sale. Technical questions
answered and consultation provided.

Reports, Compilations, Reviews by request.

40

"ALLOY DIGEST"

Alloys Digest, Inc., Upper Montclair, NJ

Covering research in engineering alloys, forwarded on looseleaf abstracts. Annual subject index. Started 1952.

Monthly - \$10.00/yr. - 160 abstracts/yr.

41

ALL-TRONICS, INC.

45 Bond Street, Westbury, L.I., NY - ED 3-3090

Collects information on radio interference, electrical engineering, measurement and control of interference.

Consultant service

42

ALL UNION INSTITUTE OF SCIENTIFIC & TECHNICAL INFORMATION

Academy of Science - USSR, Moscow, Russia

Soviet abstracts of science and technology of the free world.

Abstracting service and translation service. 12,000 non-Russian journals abstracted. Russian abbreviation "VINITI" for institute.

Abstracts - 13 volumes/yr. 500,000 abstracts/yr.

43

ALUMINUM ASSOCIATION

420 Lexington Avenue, New York 17, NY

Library storage of reports (Government and industrial). Provides special state-of-the-art reports and compilations, and answers technical questions. Members (and areas covered) include: producers of primary aluminum, aluminum alloy ingot, and manufacturers of semi-fabricated aluminum products. The following divisions of the association are organized: Extruded Products; Foil; Foundry; Rolled Bar, Rod and Wire, Sheet.

Reports, Answers to questions by request

ALUMINUM LABORATORIES, LTD.

see:

Abstract Bulletin of Aluminum Laboratories, Ltd.

44

ALUMINUM SMELTERS RESEARCH INSTITUTE

20 N Wacker Drive, Chicago 6, Ill.

Secondary aluminum and alloys. Collection of Government and industry reports of interest to the trade. Provision is made for answering technical questions, and for preparing review reports and compilations.

Reports, answers to questions by request

45

AMERICAN ACADEMY OF OPHTHALMOLOGY & OTOLARYNOLOGY

15 Second Street, SW, Rochester, Minn. - AT 2-6143

Covers fields of anatomy, physiology, surgery, biology. Publishes a journal of the academy.

46

AMERICAN ASSOCIATION OF TEXTILE CHEMISTS & COLORISTS

Lowell Technological Institute, Lowell, Mass.

Technical society maintaining a card index of textile dye and finishes. Information extracted from industry reports, library literature, and unpublished data. D/I is made available to visitors, distributed or sold in report form. Questions are answered and consultation services provided.

Obtain by request

47

AMERICAN ASSOCIATION OF TEXTILE TECHNOLOGY

100 W 55th Street, NY 19, NY

National trade association supported by textile industry. Has industrial and library literature which is available for search, duplication and distribution. Reports are made covering new developments, accession lists published, questions answered, and consultation services provided. Organized to promote and increase knowledge of textile raw materials, processing and finished fabrics, to encourage research and testing, and promote the interchange of technical information.

Obtain by request

AMERICAN AVIATION PUBLICATIONS

see:

"Aerospace Year Book"

48

AMERICAN CERAMIC SOCIETY INC.

4055 N High Street, Columbus 14, Ohio - 268-8645

Reviews literature in ceramics, and abstracts all Government and industrial work reported. Provides facilities for search of basic documents; reproduces documents for sale or distribution, provides answers to questions, state-of-the-art reviews, compilations, accession lists, answers to questions and technical consultations. Divisions: Basic sciences, design, enamel, glass, materials, equipments, refractories, structural clay products, whitewares. Chemical and physical data included.

Obtain by request

AMERICAN CERAMIC SOCIETY, INC.

see:

"Enamel Bibliography Service"

"Journal of the American Ceramic Society"

49

AMERICAN CHEMICAL SOCIETY

1155 16th Street, NW, Washington 6, DC.

Information, abstracts and reports in the field of chemistry.

Search facilities and basic documents available for local use or for distribution. Review reports, compilations, abstracts and answers to questions prepared. Technical consultation provided. Publishers of "Chem Abstracts".

Obtain by request

AMERICAN CHEMICAL SOCIETY

see:

"Chemical Abstracts"

"Chemical Titles"

"Bibliography of Rubber Literature"

AMERICAN DENTAL ASSOCIATION

see:

"Journal of Oral Surgery, Anesthesia and Hospital Dental Service"

50

AMERICAN DIE CASTING INSTITUTE, INC.

366 Madison Avenue, New York 17, NY

Catalog and abstracts concerning non-ferrous castings, extracted from industrial and Government reports. Documents and reprints are furnished, as well as answers to technical inquiries, state-of-the-art reports, reviews and compilations. Service contains information on zinc and aluminum castings in form of statistical, metallurgical, engineering and business practice standards to government and industry.

Reports, reviews, answers to questions by request.

51

"AMERICAN DOCUMENTATION"

250 Fifth Avenue, New York 1, NY

(Interscience Publishers, Inc.)

About 200 indicative abstracts a year from 100 journals plus books, technical reports; subject index included.

Quarterly publication - \$6.50/yr.

52

AMERICAN DOCUMENTATION INSTITUTE

1025 Connecticut Avenue, NW, Suite 413, Washington 6, DC - ST 3-9041

Performs R&D on communication of recorded specialized information.

53

AMERICAN ELECTROPLATING SOCIETY, INC.

445 Broad Street, Newark 2, NJ

Industrial reports and published materials on electroplating and metal finishing are made available through sale or distribution.

Accession lists are published, answers to technical questions and technical consultations are provided.

Reports, lists, answers by request

AMERICAN EUGENICS SOCIETY

see:

"Eugenics Quarterly"

AMERICAN FOUNDATION FOR THE BLIND

see:

Office of Technical Research

54

AMERICAN FOUNDRYMEN'S SOCIETY

Gold & Wolf Roads, Des Plaines, Ill., - VA 4-0181

Technical society sponsored by industry, devoted to collecting and storing reports and literature on metal castings. Information is made available for search, documents are published for distribution, state-of-the-art reports and reviews are prepared, technical questions answered and consultations provided.

Abstracts and accession lists are prepared and distributed.

Obtain by request

55

AMERICAN GEOGRAPHICAL SOCIETY

Broadway at 156th Street, New York 32, NY - AD 4-8100

Collects environmental factors of continental shelf and adjacent waters, covers physical oceanography, biology and geology.

AMERICAN GEOGRAPHICAL SOCIETY

see:

"Current Geographical Publications"

IGY World Data Center (Glaciology)

AMERICAN GEOLOGICAL INSTITUTE

see:

"Geoscience Abstracts"

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

see:

"Quarterly Review of Biology"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

see:

"Chemical Engineering Process"

56

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 W 39th Street, New York 18, NY

Technical society for the purpose of collecting, cataloging and abstracting Government and industry reports in electronics and electrical materials. Search facilities are made available and documents are reproduced for distribution. Abstracts and accession lists are prepared, and technical questions and consultations are handled.

Reports, answers, consultations by request

57

AMERICAN INSTITUTE OF PHYSICS

57 E 55th Street, New York 2, NY

Technical society sponsored by Government and industry for collection and dissemination of information on optics, color and spectroscopy. Library literature and basic documents are maintained for search, loan and reproduction.

Documents, lists, abstracts by request

AMERICAN INSTITUTE OF PHYSICS

see:

"Physics of Fluids"

"Soviet Physics-Acoustics (Akusticheskii Zhurnal)"

58

AMERICAN IRON & STEEL INSTITUTE

350 Fifth Avenue, New York 1, NY

Industrial research organization sponsored by Government and industry to catalog and abstract the results of research reports and literature concerning iron and steel. Basic documents are available for distribution, review reports and abstracts are prepared, as are accession lists. Technical questions and consultations are handled.

Documents, abstracts, reports by request

AMERICAN LIBRARY ASSOCIATION

see:

Library Technology Project

59

AMERICAN LITHIUM INSTITUTE

P.O. Box 549, 84 Nassau Street, Princeton, NJ
(Princeton University)

A foundation supported by industry for the purpose of collecting and disseminating information on lithium. Reports from Government and industry are included, as well as published literature. A catalog file and abstracts are maintained; search facilities being made available to users. Review reports and compilations are prepared, and technical consultation is offered.

Reports, compilations, consultation by request

AMERICAN MATHEMATICAL SOCIETY

see:

"Mathematical Reviews"

AMERICAN MEDICAL ASSOCIATION

see:

"Journal of American Medical Association"

Department of Foods and Nutrition

AMERICAN METAL CLIMAX, INC.

see:

Climax Molybdenum Company

60

AMERICAN METEOROLOGICAL SOCIETY

45 Beacon Street, Boston 8, Mass.

Bulletin of the AMS-official organ, activities, announcements, notes, reviews, editorials, correspondence. Publishes: "Weatherwise"; "Journal of Meteorology"; "Meteorological Monography"; and "Meteorological & Geostrophysical Abstracts".

AMERICAN METEOROLOGICAL SOCIETY

see:

"Meteorological Abstracts & Bibliography"

AMERICAN OPTOMETRIC ASSOCIATION, INC.

see:

"Journal of the American Optometric Association"

61

AMERICAN ORDNANCE ASSOCIATION

Mills Building, Washington 6, DC - DI 7-1250

Covers problems on weapons preparedness, development and production of weapons systems. Includes techniques, processes and materials that have wide application in the development, production and logistics of weapons.

62

AMERICAN PETROLEUM INSTITUTE-RESEARCH PROJECT 44

Dept. of Chemistry, Box 3395, College Station, Texas
(Texas A&M)

Hydrocarbons and related compounds of oxygen and sulfur. Infrared spectral data, ultraviolet spectral data, ultraviolet absorption spectra, physical and thermodynamic data, mass spectra, raman spectra, nuclear magnetic resonance spectra. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Looseleaf sheet coded according to substance and property.

63

AMERICAN PETROLEUM INSTITUTE RESEARCH PROJECT 52

Box 3395, Laramie Petroleum Research Center, University Station,
Laramie, Wyoming - FR 5-2117
(Bureau of Mines)

Physical, spectral and stability properties of purified nitrogen compounds in petroleum.

AMERICAN PETROLEUM INSTITUTE

see:

Research Program for Distillate Utilization

64

AMERICAN PHYSICAL SOCIETY

Columbia University, New York 27, NY

A technical society whose areas of concern are electron, high polymer and solid state physics. It maintains a collection of library literature, and makes basic documents available for examination, distribution and sale. It performs consultations, gives detailed answers to technical questions, prepares reviews, reports, compilations, abstracts and accession lists. Maintains card index to literature.

Documents, abstracts, answers by request

AMERICAN PSYCHOLOGICAL ASSOCIATION

see:

"Psychological Abstracts"

AMERICAN PSYCHOSOMATIC SOCIETY, INC.

see:

"Psychosomatic Medicine - Abstracts of Periodical Literature"

AMERICAN ROCKET COMPANY

see:

"Rocket Reviews (Rocket Abstracts)"

AMERICAN ROCKET SOCIETY

see:

ARS Journal

65

AMERICAN SOCIETY FOR METALS

7301 Euclid Avenue, Cleveland 3, Ohio

A technical society sponsored by industry concerned with the areas of metals and castings. Maintains files of Government and industry research reports, as well as library literature indexed on punched cards. Documents available for search and reproduction, distribution and sale. Accession lists, abstracts, review reports and compilations are prepared. Aircraft casting design manual has been considered. Publishes "Metals Progress", "Transactions of A.S.M."

Documents, abstracts, accession list by request

AMERICAN SOCIETY FOR METALS

see:

Metals Documentation Service

"Metals Review"

ASM Documentation Service

66

AMERICAN SOCIETY FOR TESTING MATERIALS

1916 Race Street, Philadelphia 3, Pa. - LO 3-5315

Establishes and publishes standards for materials testing, materials' properties, analysis and design. Publishes technical papers, bibliographies, abstracts. Answers questions, and provides consultation services.

Documents, reports, answers, consultation by request

AMERICAN SOCIETY FOR TESTING MATERIALS

see:

Spectral Absorption Data (ASTM)

References on Fatigue

X-Ray Powder Data File

Bibliography and Abstracts on Electrical Contacts

"Index to the Literature on Spectrochemical Analysis"

67

AMERICAN SOCIETY OF LUBRICATION ENGINEERS

84 Randolph Street, Chicago 1, Ill.

A technical society sponsored by Government and industry which maintains library literature and industrial reports in the areas of lubricants and non-metallic materials. Basic documents are made available for search, examination and distribution. Accession lists and abstracts are prepared, and members are served by special reports, compilations, as well as consultation services and answers to specific questions.

Documents, abstracts, answers, reviews by request

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

see:

"Applied Mechanics Reviews"

"Mechanical Engineering - Technical Digest"
Engineering Index, Inc.

AMERICAN SOCIETY OF PLANT TAXONOMISTS

see:

Card Index of Current Taxonomic Research

AMERICAN SPEECH AND HEARING ASSOCIATION

see:

Central Index of Research Projects on the Deaf
Deafness, Speech and Hearing Abstracts

AMERICAN UNIVERSITY

see:

Special Operations Research Office

68

AMERICAN WELDING SOCIETY, INC. (TECHNICAL DEPARTMENT)

33 W 39th Street, New York 18, NY - PE 6-9220

Technical society sponsored by industry whose areas of interest are welding, brazing, soldering and metallizing information collected from industrial reports, references, and unpublished materials. Documents and books are maintained for search and reproduction, abstracts are prepared, and answers given to technical questions, as well as consultation services being provided. "Welding Journal" is published @ \$8.00/yr. Other non-periodical publications.

Reports, answers, abstracts

69

ANALYTICAL APPLICATIONS OF FAR INFRARED SPECTRA

Wright-Patterson AFB, Ohio - CL 3-7111

(Aeronautical Systems Division)

Aliphatic and aromatic hydrocarbons, bromohydrocarbons; infrared absorption spectra in the 15 to 35 micron range. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NPC Publication 837.

WADC Technical Reports 57-359, 57-413, 58-198. OTS, Dept. Commerce

ANDERSON PHYSICAL LABORATORY

see:

Near Infrared Spectra

ANIP

see:

Army-Navy Information Center

71

"ANNUAL HEAT TRANSFER REVIEW"

Department of Mechanical Engineering, Minneapolis 14, Minn. - FE 2-8158
(University of Minnesota)

Collects and reviews current publications appearing in the open literature.

Annual review

72

ANNUAL INDEX OF AFSC TECHNICAL DOCUMENTARY REPORTS

Andrews AFB, Washington 25, DC - RE 5-8900, ext. 85130
(AFSC)

A list of reports numerically by division and center giving report number, title, release to OTS, ASTIA (AD No.) author, date, office of responsibility, and classification. Made from Quarterly Index of Technical Documentary Reports (RCS: ARDC-R8).

Annual report (2 parts) - Request from ASTIA

72A

"ANNUAL REPORT OF PUBLICATIONS OF THE EXPLOSIONS AND CHEMISTRY RESEARCH DEPARTMENTS"

Naval Ordnance Laboratory, White Oak, Maryland

A listing of reports, lectures and journal publications related to the departments. Author and subject indexes.

Annual

73

ANNUAL REPORTS

Federal Communications Commission, Washington 25, DC - EX 3-3620

An annual summary of the R&D activities of the Commission during the year reported.

Annual report - 45¢/cy. - GPO

74

"ANNUAL REVIEW OF BIOCHEMISTRY"

231 Grant Avenue, Palo Alto, Calif.

(Annual Reviews Inc.)

Abstracts, articles in all areas of research in biochemistry, started 1932, author and subject indexes.

Annual - \$7.00/yr. - 3000 abstracts/yr.

75

"ANNUAL REVIEW OF ENTOMOLOGY"

231 Grant Avenue, Palo Alto, Calif.

(Annual Reviews, Inc.)

Annually, author and subject indexes, all areas of research in entomology.

Annual abstracts - 2800/yr.,

77

"ANNUAL REVIEW OF MEDICINE"

231 Grant Avenue, Palo Alto, Calif.

(Annual Reviews, Inc.)

Medical reference and review papers with author and subject indexes.
Started 1950.

Annual - \$7.00/yr. - 3000 references/yr.

77A

"ANNUAL REVIEW OF NUCLEAR SCIENCE"

231 Grant Avenue, Palo Alto, Calif.

(Annual Reviews, Inc.)

Abstracts of nuclear sciences with author and subject indexes.

Annual listing - \$7.00/yr. - 3000 abstracts/yr.

78

"ANNUAL REVIEW OF PHYSICAL CHEMISTRY"

231 Grant Avenue, Palo Alto, Calif.

(Annual Reviews inc.)

Abstracts of physical chemistry publications, since 1950.

Annual abstracts - \$7.00/yr. - 3000 abstracts/yr.

79

"ANNUAL REVIEW OF PSYCHOLOGY"

231 Grant Avenue, Palo Alto, Calif.

(Annual Reviews, Inc.)

Abstracts of psychology reports with author and subject plans
covering Psychological research. Author and subject indexes.
Started 1950.

Annual review - \$7.00/yr. - 3000 abstracts/yr.

ANNUAL REVIEWS, INC.

"Annual Review of Psychology"

"Annual Review of Biochemistry"

"Annual Review of Nuclear Science"

"Annual Review of Physical Chemistry"

"Annual Review of Medicine"

"Annual Review of Entomology"

80

"ANSCO ABSTRACTS"

Charles Street, Binghamton, NY
(General Aniline & Film Corp.)

Abstracts from photography and radiography and related technology.

Started 1941, from technical reports, patents and about 100
journals with subject and author indexes.

Monthly - \$6.00/yr. - 1500 abstracts/yr.

81

"ANTENNA LABORATORY PUBLICATIONS"

Ohio State University, Columbus, Ohio

Cumulative subject and author index.

82

"APPLIED MECHANICS REVIEWS"

29 W 39th Street, New York 18, NY

(American Society of Mechanical Engineers)

A review of current literature in the field of theoretical and
applied mechanics. Topics covered include (1) general - analytical
methods in applied mechanics, computing methods and computers, etc.,
(2) mechanics of solids, (3) mechanics of fluids, (4) heat, (5)
combined fields and miscellaneous - magneto-fluid-dynamics, aero-
elasticity, aeronautics, astronautics, ballistics, etc.

Monthly review

83

"APPLIED SCIENCE & TECHNOLOGY INDEX"

950 University Avenue, New York 52, NY

(H.W. Wilson Co.)

Monthly since 1913, approximately 77,000 references a year from 200
journals.

Index by subscription

APPLIED SCIENCES CORPORATION OF PRINCETON

see:

Technical Information Center - Document File

Technical Information Center - Product Literature File

84

AQUATIC SCIENCES RETRIEVAL CENTER

University of Rhode Island, Kingston, R.I.

Furnishes information on aquatic sciences, fisheries and oceano-
graphics.

Consultation

85

"ARCTIC BIBLIOGRAPHY"

1530 P Street, NW, Washington 5, DC

(Arctic Institute of North America)

Annual author, subject, general area, and specific locality indexes.

Natural, physical, and social sciences; technology; exploration of arctic and subarctic regions. Body systems, botany, disease, ecology, fishes, geology, hypothermia, ice, insects, meteorology, mineral resources, oceanography, physiology, snow, and transportation.

Bibliographies, indexes/annual - \$5.00/yr. - 6,000 abstracts/yr.

ARCTIC INSTITUTE OF NORTH AMERICA

see:

"Arctic Bibliography"

86

ARDC TECHNICAL FACILITIES AND EQUIPMENT SUMMARY (RCS: ARDC-D26)

Andrews AFB, Washington 25, DC - RE 5-8900, ext. 85279

(AFSC)

A listing of facilities and equipment of value greater than \$50,00. Covers R&D capabilities, funding, manpower, special capabilities, future estimated uses etc. Covers both laboratories and large equipment. A separate volume is prepared for each main subdivision of the command.

Semi-annual report

ARIZONA STATE UNIVERSITY

see:

Solar Energy Information Center

86A

Armed Forces-NRC Hearing & Bio-Acoustics Committee

2101 Constitution Avenue, NW, Washington 25, DC - EX3-8100, ext. 50516

(National Research Council)

Executive committee with representation from A-N-AF-FAA. Solicits problems in subject area from supporting agencies. Finds quick answers where possible; otherwise sets up working group to attack problems. Answer furnished in report form. Some work being accomplished by Central Institute for the Deaf, 818 South Kingshighway, St. Louis 10, Mo.

86B

ARMED FORCES-NRC VISION COMMITTEE

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100, ext. 505

(National Research Council)

Covers all technology related to vision, collects publications and reports, prepares abstracts, bibliographies and evaluation reports.

A-N-AF supported.

Bibliographies, reports

ARMED SERVICES TECHNICAL INFORMATION AGENCY

see:
ASTIA

ARMOUR & COMPANY

see:
Literature File, Foods & Food Machinery
Patent File, Foods & Food Machinery
Reports File, Chemistry and Chemical Technology

87

ARMOUR RESEARCH FOUNDATION

35 W 33rd Street, Chicago 16, Ill.
Compiles abstracts and catalogs data. Publishes bibliographies,
studies. Covers entire aerospace technology.
Consultation, compilations
see also:
Thermal Properties of Metals, Handbook
Thermophysical Properties of Solid Materials
National Registry of Rare Chemicals

ARMY

see:
Abstract Bibliography
"Abstracts of PRB Research Publications"
Army Chemical Research & Development Labs
Army Research Task Summary
Department of Radiobiology
Engineering Data System
Explosives Ignition Information Center
Human Engineering Lab
National Index of Fungus Cultures
Office of the Chief of Ordnance
Office of Transducer Information
Ordnance Basic Research
Plastic Technical Evaluation Center
"Problems Guide - ARO Problems"
"Problems Guide - Chemical Corps"
"Problems Guide - Corps of Engineers"
"Problems Guide - Ordnance Corps"
"Problems Guide - Quartermaster Corps"
"Problems Guide - Signal Corps"
"Problems Guide - Transportation Corps"
QM Food & Container Institute
"Quarterly Activity Report"
"Status Reports"
Technical Information
Technical Information Branch
Technical Reports & Special Purpose Publications
"Title Announcement List"

ARMY - BIOLOGICAL WARFARE LABS

see:

Immunology File
Chemical File
Variola Virus

88

ARMY CHEMICAL RESEARCH & DEVELOPMENT LABORATORIES

Army Chemical Center, Edgewood, Maryland

Maintains 40,000 books and journals, 100,000 research reports,
70,000 unpublished reports, manufacturer literature and 2,000
patents on toxic compounds.

Archive information available

ARMY MAP SERVICE

see:

"Abstracts of Articles on Geodesy & Related Fields"

89

ARMY-NAVY INFORMATION PROGRAM - ANIP

2521 Connecticut Avenue, NW, Washington 25, DC

(Documentation Inc.)

Information relative to light weight aircraft, rotor blade craft,
and helicopter flight instrumentation. Contractor reports, DOD
reports, journals, technical publications. "Contractor Reports
Digest", "Summary Statement", State of Art Surveys.

Consulting service

90

ARMY RESEARCH TASK SUMMARY

Army Research Office, Arlington Hall, Washington 25, DC - JA 5-5899
ext. 2453

An annual compilation of basic research in the Army in six volumes
with an index as the seventh volume. Each volume covers one area,
physics, chemistry, human science, etc. Cross indexed by contract
number, project, task, agency performing, in-house performing,
non-profit including foreign, colleges and universities, Govern-
mental agencies, commercial contractors, chief investigators,
subject index by descriptors. Similar to a detailed DD-613.

Seven volumes - OTS

ARNOLD ENGINEERING DEVELOPMENT CENTER

see:

"Sci-Tech News - Documentation Digest"

"Index of AEDC Technical Notes & Reports"

ARPA

see:

Advanced Research Projects Agency

91

"ARS JOURNAL"

500 Fifth Avenue, New York 36, NY

(American Rocket Society)

Technical reports and references to articles in 2100 other journals plus other sources, subject index, started 1951. Covers entire technology related to rocketry; Russian references included.

Monthly - \$12.50/yr. - 2500 entries/yr.

ARTHUR D. LITTLE, INC.

see:

"Chemical and Physical Properties of Explosives"

92

ASLIB COMMONWEALTH INDEX OF UNPUBLISHED TRANSLATIONS

3 Belgrave Square, London SW 1, England

(Association of Special Libraries and Information Bureaux)

93

ASM DOCUMENTATION SERVICE

American Society for Metals, Novelty, Ohio - ED 8-5151

Abstracts on all aspects of metals and metallurgy covering books, technical reports and 800 periodicals. Started 1944, annual author and subject indexes.

Monthly - \$15.00/yr. - 12000 abstracts/yr.

ASSOCIATED TECHNICAL SERVICES, INC.

"Indicative Abstracts of Russian Chemical Journals"

ASSOCIATION FOR APPLIED SOLAR ENERGY

see:

Solar Energy

94

ASSOCIATION OF ALLERGISTS FOR MYCOLOGICAL INVESTIGATIONS, INC.

Box 979, Crockett, Texas

Collects information on allergic sensitization, airborne mold fungi. Consultation

95

ASSOCIATION OF LUNAR & PLANETARY OBSERVERS, COMETS SECTION

Pan American College Observatory, Edinburg, Texas

Collects and collates observations of cometary objects, covers methods, discoveries, appearances. Supplies articles and notes to periodicals. Literature reviews, data analysis.

96

ASSOCIATION OF SPECIAL LIBRARIES & INFORMATION BUREAUX

3 Belgrave Square, London SW 1, England

Consultant service on library problems. Collects data on translations made in the U.K. Maintains indexes on unpublished translations, thesis of Commonwealth Colleges and Universities. Guide to Information Sources & Journal of Documentation

ASSOCIATION OF SPECIAL LIBRARIES & INFORMATION BUREAUX

see:

ASLIB Commonwealth Index of Unpublished Translations

ASSOCIAZIONE ITALIANA DE AEROTECNICA

see:

"Aerotechnica"

97

ASTIA

Arlington Hall Station, Arlington, Va. - JA 5-5800

(Armed Services Technical Information Agency)

Technical reports of A-N-AF. Abstracts, bulletins, bibliographies.

Receives and stores about 30,000 documents per year. 17,000

documents per year unclassified, 13,000 documents per year
classified. About 60% of Government documents and files.

Translations of some foreign reports.

Abstracts, Bulletins, Bibliographies

98

ASTRONAUTICS INFORMATION ABSTRACTS & INDEX

4800 Oak Grove Drive, Pasadena, Calif. SY 0-6811

(Jet Propulsion Laboratory)

Abstracts technical work of astronautics and closely related items,
annual author and subject index, started 1959. Covers journals,
papers, reports and meetings.

Monthly, request from NASA - 1200 abstracts/yr.

99

ASTRONAUTICS INFORMATION/LITERATURE SEARCH

4800 Oak Grove Drive, Pasadena, Calif. - SY 0-6811

(Jet Propulsion Laboratory)

Summaries or bibliographies of specific subjects in Astronautics
area compiled and published on areas of current interest.

Irregularly - by request from NASA

100

ASTRONAUTICS INFORMATION/OPEN LITERATURE SURVEY

4800 Oak Grove Drive, Pasadena, Calif. - SY 0-6811

(Jet Propulsion Laboratory)

Abstracts of journal articles covering astronautics, space medicine,
space ships, satellite vehicles and closely related items, annual
author and subject indexes. Started 1959.

Monthly - by request from NASA - 4000 abstracts/yr.

101

"ASTRONOMISCHER JAHRESBERICHT"

13 Genthiner Street, Berlin W 35, W Germany

(Astronomisches Rechen-Institut)

Abstracts of astronomy articles. Started 1899, author and subject
indexes.

Annually - DM 50/yr. 13500 abstracts/yr.

ASTRONOMISCHES RECHEN-INSTITUT

see:

"Astronomischer Jahresbericht"

ATOMIC ENERGY COMMISSION

see:

Bibliographies of Interest to the Atomic Energy Program

Lawrence Radiation Laboratory

Neutron Cross Section Evaluation Center

Neutron Cross Sections (UCRL)

"Nuclear Science Abstracts"

Oak Ridge National Laboratory

Office of Technical Information Extension

Reactor Controls Systems Engineering - Abstracts

Reactor Physics Constants Center

"Weapon Data Index"

102

ATOMIC ENERGY LEVELS

National Bureau of Standards, Washington 25, DC. - EM 2-4040

Atomic energy levels are presented as completely as possible. Hyperfine structure ascribed to atomic nuclei is not covered. Selected ultraviolet multiplets are published. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Book form, circulars - NBS Circular 467 - GPO

103

ATOMIC INDUSTRIAL FORUM, INC.

260 Madison Avenue, New York 16, NY

Technical society devoted to the use of atomic energy for industrial applications. Library literature, Government and industrial reports and unpublished data are collected and stored. This information is made available for search, and is furnished to users in the form of documents, accession lists, abstracts and review reports. Answers to technical questions and technical consultations are provided.

104

"ATOMIC INDUSTRY REPORTER"

1231 24th Street, NW, Washington 7, DC

(Bureau of National Affairs, Inc.)

Abstracts on articles and patents in technology related to atomic isotopes, reactors, etc. Started 1955, author index.

Looseleaf abstracts - \$295/yr. - 2000 abstracts/yr.

104A

ATOMIC PHYSICS DATA CENTER

National Bureau of Standards, Far West Bldg., Washington 25, DC.

EM 2-4040, ext. 291

Collects all published material on electron transition probabilities in atoms.

105

ATOM INDUSTRY

400 Madison Avenue, New York 17, NY

Abstracts on atomic energy and related subjects, started 1955.

Monthly - \$5.00/yr. - 60 abstracts/yr.

106

"AUDIO-VISUAL COMMUNICATION REVIEW"

1201 16th Street, NW, Washington 6, DC

(National Education Association)

Abstracts on research in audio-visual field, classroom facilities,
film, radio, television, teaching machines.

Quarterly - \$4.00/yr.

AUSTRALIA COMMONWEALTH SCIENTIFIC & INDUSTRIAL RESEARCH ORGANIZATION

see:

Information Service

107

"AUTOMATION EXPRESS"

1909 Park Avenue, New York 35, NY

(International Physical Index, Inc.)

Abstracts of Russian journals and condensations in technological
areas of instrumentation and automatic control. Started 1958,
author index.

Ten/yr. - \$57.50/yr. - 500 abstracts/yr.

108

AUTONETICS

Autonetics, Downey, Calif.

Prepares bibliographies, surveys, studies, literature searches on
all areas of aerospace sciences. These have covered such topics
as Electronics, Ultrasonic welding, technical writer's guide,
Tunnel Diodes, etc.

109

AVIATION MEDICINE - AN ANNOTATED BIBLIOGRAPHY

2642 University Avenue, St. Paul 14, Minn.

(Aerospace Medical Association)

Semiannually, abstracts, subject and author indexes. Aerospace
physiology; aerospace psychology, history and general aspects
of aerospace medicine; miscellaneous problems; pathology and
pharmacology of aviation and space flight; preventive medicine
and sanitation; special problems in high-altitude and space
flight.

Bibliography - \$5.00 - 1400/yr.

110

"BAKER INDEX OF CRYSTALS"

University Museum, Oxford University, Oxford, England
Information about 3000 compounds belonging to the tetragonal, hexagonal and trigonal, and orthorhombic systems; smallest number of interfacial angles necessary for indexing purposes; other morphological, physical, and optical property values are also given. Measurements of interfacial angles of crystals, classification-angle system. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837. Clothbound books, lists and tables - W Heffer & Sons, Ltd., Petty Cury, Cambridge, England

BALLISTIC MISSILE DIVISION

see:

Ballistic Systems Division

111

BALLISTIC MISSILE RADIATION ANALYSIS CENTER

Willow Run Lab., University of Michigan, Ann Arbor, Mich., OX 7-8904
Tracking and radiation data from all Atlantic & Pacific Range Missile and Satellite shots, infrared, optical, ultraviolet, electromagnetic. Publishes "Proceedings of Anti-missile Research Advisory Group", State-of-the-Art Reports for ARPA, Study documents for ARPA. Concerned with fundamental phenomena associated with missiles, space vehicles significant for defense against them. Reports, proceedings, documents - request through Mr. Koether

BALLISTIC SYSTEMS DIVISION

see:

AFBMD Technical Library Announcements
BMD Prime Contracts
Ballistic Systems Division

BAMRAC

see:

Ballistic Missile Radiation Analysis Center

112

BASIC INSTRUMENTATION REFERENCE SERVICE

National Bureau of Standards, Washington 25, DC - EM 2-4040, ext. 7470
Maintains collection of 30,000 literature abstracts covering all fields of scientific and technical instrumentation, as well as related subjects.
Abstracts - 30,000 abstracts

113

"BASIC RESEARCH RESUMES"

Office of Aerospace Research, Washington 25, DC - OX 6-3767

Lists the description of basic research efforts of the Air Force.

Grouped into twenty-four technical divisions with cross indexes and contract listings.

Annual resume - OTS - 1400 contracts

114

"BATHYTHERMOGRAPH DATA PROCESSES & ANALYSIS"

University of California, La Jolla, Calif. - GL 9-2381

(Scripps Institute of Oceanography)

Collects Oceanographic data.

BATTELLE MEMORIAL INSTITUTE

see:

. Battelle Technical Review

. Cobalt Information Center

. Radiation Effects Information Center

. Defense Metals Information Center (DMIC)

. Electronic Component Reliability Center

. Data Sheets - Cobalt

. "Semiconductor Abstracts"

. "Selenium & Tellurium Abstracts"

. Reactor Core Materials

. "Strength of Metal Aircraft Elements (MIL Handbook 5)"

. Metals-Test Methods & Design Data on

115

BATTELLE TECHNICAL REVIEW

505 King Avenue, Columbus 1, Ohio, AX 9-2191

A monthly report of abstracts on technical reports and publications.

Covers all fields of technology.

Monthly Report by request - 15000 abstracts/yr.

116

BATTENFIELD RESEARCH DEPARTMENT

3148 Roanoke Road, Kansas City 11, Mo. - VA 1-2940

Maintains information on chemical and physical data on raw materials used in lubricating greases. Performs literature searches, analysis of problems.

BAXTER LABORATORIES, INC.

see:

Scientific Services Section

117

BEHAVIORAL SCIENCE

University of Michigan, Ann Arbor, Mich.

Quarterly, critical, informative abstracts. Behavioral sciences: anthropology, biology, economics, political sciences, psychiatry, psychology, sociology, etc.

Abstracts - 20-25/yr.

118

"BEILSTEIN"

Max-Planck-Gesellschaft, Frankfurt/Main, Germany
(Gmelin Institut)

An abstracting and reference system similar to Chemical Abstracts.

Covers a considerable period prior to the beginning of Chemical Abstracts. Covers the whole fields of chemistry.

Abstracts

BELFOUR ENGINEERING COMPANY

see:

Mechanical Properties of Materials

119

BELGIAN CORROSION RESEARCH CENTRE (CEBELCOR)

Brussels, Belgium

An association of 64 countries including the US which screens about 70 technical journals and other sources for corrosion information.

Extracts are card indexed and at disposal of members.

Extracts

BELL TELEPHONE LABORATORIES, INC.

see:

Standards Engineering

BENDIX SYSTEMS DIVISION

see:

"Summary of Radiation-Tolerant Electronics"

120

BERYLLIUM CORPORATION OF AMERICA

Tuckerton Road, Reading, Pa.

Conducts research on extraction processes of ores of rare elements, metal reduction processes and alloys. Maintains collection of literature, including references, government and industrial reports.

Furnishes basic documents, and provides accession lists review reports and abstracts. Answers specific technical questions and provides consultation services. Special lab facilities available.

Answers, reports, consultations.

122

BIBLIOGRAPHIC INDEX

950 University Avenue, New York 52, NY
(H.W. Wilson Company)

A semi-annual publication of references; about 30% technical bibliographies. Obtained primarily from journals. Annual indexes.

Journals, indexes on service basis

123

"BIBLIOGRAPHIC SURVEYS OF CORROSION"

1016 M&M Building, Houston 2, Texas
(National Association of Corrosion Engineers)

Annual abstracts, subject classification. Corrosion control by means of barriers, changes of environment, electricity, improved design, and inhibition; corrosion control programs (administration, economics, safety, statistics, testing); effect of corrosion on metals in all environments; materials substituted for metals in corrosive environments (economics, properties, etc.)

Bibliographies, abstracts - \$20.00 - 2000 abstracts/yr.

124

BIBLIOGRAPHIES AVAILABLE

National Library of Medicine, Washington 25, DC

A collection of medical information. Bibliographies are available; this publication is a list of these.

Monthly listing by request

125

BIBLIOGRAPHIES OF INTEREST TO THE ATOMIC ENERGY PROGRAM

Atomic Energy Commission, Washington 25, DC

A bibliography covering atomic energy, covering author, report number, titles. Revised May 1958, TID 3043 (Rev. 1).

Bibliography - OTS - 1556 references

126

BIBLIOGRAPHY & ABSTRACTS ON ELECTRICAL CONTRACTS

1916 Race Street, Philadelphia 3, Pa.

(American Society for Testing Materials)

Informative abstracts from journals with author and subject indexes on electrical contacts, materials, circuit breakers and related technology. Started 1943.

Annual listing by subscription - 100 abstracts/yr.

126A

"BIBLIOGRAPHY & INDEX OF GEOLOGY EXCLUSIVE OF NORTH AMERICA"

419 W 117th Street, New York 27, NY
(Geological Society of America)

Annual subject-geographic index. Geology, including crystallography, economic geology, geomorphology, hydrogeology, mineralogy, paleontology, petrology, stratigraphy, structural geology, and material in related fields such as geography, geophysics, and others.

Bibliography, index - \$8.00 - 6500 abstracts/yr.

127

BIBLIOGRAPHY CENTER (Proposed)

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Intended as a center to collect bibliographies from all DOD technical sources. Would include references to bibliographies in preparation.

128

BIBLIOGRAPHY OF AGRICULTURE

Department of Agriculture, Washington 25, DC

Bibliography of Agriculture. USAF Monthly List of Publications and Motion Pictures. List of Publications of the USDA. Additional reports are announced by agencies of the USDA, Agricultural Research Service, Forest Service, Agricultural Marketing Service, Farmer Cooperative Service.

129

BIBLIOGRAPHY OF EXTRATERRESTRIAL RADIO NOISE

Cornell University, School of Electrical Engineering, Ithaca, NY

References to books, journals, articles, and pamphlets in the area of extraterrestrial radio noise. Started 1957, arranged alphabetically by author, Navy supported. NSF sponsored.

Quarterly by request - 700 references/yr.

133

"BIBLIOGRAPHY OF NORTH AMERICA GEOLOGY"

US Geological Survey, Washington 25, DC

Annually, author-alphabetical entries, decennial subject index.

Geology of North America.

Bibliography, index - \$1.75 - 4000

134

"BIBLIOGRAPHY OF NOTS TECHNICAL PUBLICATIONS"

Naval Ordnance Test Station, China Lake, Calif. - RI 5-0111

Covers NOTS work in computers, fuels, guided missiles, rockets, propellants and propellant photography, explosives, electronics, high temperature materials.

Annual report - request from ASTIA

135

"BIBLIOGRAPHY OF NRL FORMAL REPORTS"

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Index of titles, authors, numerical index.

Every 500 reports a new publication

136

"BIBLIOGRAPHY OF RUBBER LITERATURE"

101 W 31st Street, New York 1, NY

(American Chemical Society)

References to rubber technology and related sciences. Started 1935.

Covers patents, technical reports and about 400 journals, subject classification.

Irregular - by subscription - 3000 references/yr.

137

"BIBLIOGRAPHY OF SOVIET ABSTRACT JOURNALS"

205 E 42nd Street, Suite 300, New York 17, NY
(U.S. Joint Publications Research Service)

Bibliographies covering aerospace sciences. Arranged alphabetically
by author.

Quarterly - \$2.25/yr - OTS - 1200 entries/yr.

139

"BIBLIOGRAPHY OF SPACE MEDICINE"

National Library of Medicine, Washington 25, DC

Entries from books, papers and reports arranged by subject. Started
1958, covers space physiology.

Irregular - by request

141

"BIBLIOGRAPHY OF UNCLASSIFIED HUMAN ENGINEERING REPORTS"

Naval Training Device Center, Port Washington, NY

Human engineering reports published by the center are compiled
into a bibliography. Started 1950.

Irregular - request from ASTIA - 450 references/yr.

141A

"BIBLIOGRAPHY ON GAS LUBRICATED BEARINGS"

Franklin Institute Labs, Philadelphia 3, Pa. - LO 4-3600

A compilation with a resume of each reference or abstract. Five
indexes are provided, supported by the Navy.

Irregular - request from ASTIA

142

"BIOASTRONAUTICS: AN ASTIA REPORT BIBLIOGRAPHY"

ASTIA, Arlington Hall Station, Arlington, Va. - JA 5-5800

Abstracts on biological aspects of space flight. Started 1959,
arranged by subject heading.

Irregular - request from ASTIA - 250 abstracts/yr.

142B

"BIBLIOGRAPHY ON MEDICAL ELECTRONICS"

1 E 79th Street, New York 21, NY

(Institute of Radio Engineers)

Technology in medical electronics, annual compilation, subject index,
started 1955.

Annual - \$2.50/yr. - 2000 abstracts/yr.

142C

"BIBLIOGRAPHY ON SPECTROCHEMICAL ANALYSIS"

National Bureau of Standards, Washington 25, DC - EM 2-4040, ext. 7607

Collects published information on emission spectroscopy and prepares
bibliographies and reviews.

Irregular

142D

"BIBLIOGRAPHY SERIES"

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Since 1955 about 1000 annotated abstracts per issue arranged chronologically. Author and subject index in each issue.

Broad aerospace coverage.

Irregular - by request

143

BIOCHEMICAL RESEARCH LABORATORY

Threefold Farm, Spring Valley, NY - EL 6-1645

(Bio-Dynamic Farming & Gardening Association, Inc.)

Maintains references to protein and amino acids in food and metabolism, waste disposal, municipal waste, biochemistry, microbiology of waste fermentation.

Consultant - fee

144

BIOFEN LABORATORIES

P.O. 3357, Barnum Station, Bridgeport 5, Conn. - ED 5-1183

Performs literature searches on rust prevention, inhibition, rare metals, chemical and metallurgical data relating to tungsten, selenium, titanium, tantalum, etc. Performs loan service of files.

Consultant

145

"BIOLOGICAL ABSTRACTS"

3815 Walnut Street, Philadelphia 4, Pa.

Semimonthly, informative abstracts, arranged in a subject classification; author, general subject, geographic, geologic, taxonomic indexes are provided for each volume.

Abstracts by subscription - 72500/yr.

146

BIOLOGICAL & MEDICAL SCIENCES DIVISION

National Science Foundation, Washington 25, DC - ST 3-2140

Maintains information on all aspects of biology.

147

BIOLOGICAL INFORMATION ON CHEMICAL COMPOUNDS

Parke, Davis & Company, Detroit 32, Mich.

Biological information on chemical compounds; type: internal reports on chemical compounds tested for biological activity.

100,000 test results on 40,000 compounds

BIOLOGICAL SCIENCES FOUNDATION

see:

"Abstracts on Military & Aviation Ophthalmology & Visual Sciences"

148

BIOLOGY RESEARCH LABORATORY

University of Puget Sound, Tacoma 6, Washington - SK 9-3521
Taxonomic relationship of mammals as shown by protein and
hemoglobin electrophysical data is maintained.

149

BLAW-KNOX COMPANY

Copes-Vulcan Division, 939 W 26th Street, Erie, Pa. - GL 4-2431
Develops and obtains all known information for stress analysis on
asymmetrical shapes for valve designs, flow coefficient informa-
tion for fluids.
Consultation

150

BLOOMFIELD LABORATORIES

W Main Street, High Bridge, NJ
Chemotherapeutical feeding of cancerous rodents, dogs and cats.
Data, information

151

EMD PRIME CONTRACTS

AFBMD, Inglewood 45, Calif. - OR 0-1444
(Ballistic Systems Division)
List of those contracts which are active, physically complete, or
dormant. All contracts which have been cancelled, completed,
transferred, or suspended have been deleted. Shows contract
number, contractor, type, W/S, title (contract), status, symbol,
and buyer.
Quarterly report & monthly supplement - official use only

BOEING COMPANY

see:
Creep Communications System

152

BOREAL INSTITUTE

University of Alberta, Edmonton, Canada
Collection and classification of information covering all aspects
of the north, subarctic.
Reference

153

BOTANY HERBARIUM

Dept. of Biosciences, University of Cincinnati 21, Ohio - UN 1-8000
Covers information on algae, fungi, moss, lichens, hepatics, ferns,
flowering plants.
Information on loan

154

BRASS & BRONZE INGOT INSTITUTE

308 W Washington Street, Chicago 6, Ill.

An industrial research facility sponsored by industry and Government to specialize in the development of copper base alloys in ingot form. Documents and Government and industrial reports in this area are maintained for search and distribution. Copies are furnished, along with such services as compilations, review reports, abstracts, accession lists, answers to technical questions, and consultation.

BRITISH CERAMIC SOCIETY

see:

"Transactions of the British Ceramic Society"

BRITISH INTERPLANETARY SOCIETY

see:

"Journal of the British Interplanetary Society"

BRITISH NON-FERROUS METALS RESEARCH ASSOCIATION

see:

"Bulletin of the British non-Ferrous Metals Research Association"

155

BRITISH PLASTICS FEDERATION ABSTRACTS

47-48 Piccadilly, London W1, England

Abstracts from journals and patents with annual author and subject indexes. Started 1952.

Monthly, \$15.00/yr. - 5000 abstracts/yr.

BRITISH SCIENTIFIC INSTRUMENT RESEARCH ASSOCIATION

see:

"Bulletin of the British Scientific Instrument Research Assn."

BROOKHAVEN NATIONAL LABORATORY

see:

Neutron Cross Section Evaluation Center

BROOKLYN PUBLIC LIBRARY

see:

Fire Protection Collection

156

BRUSH BERYLLIUM CORPORATION

4301 Perkins Avenue, Cleveland, Ohio

Research on chemistry and metallurgy of beryllium alloys and compounds; powder metallurgy and ceramic development of refractory, dielectric and nucleonic materials; research on synthetic mica. Information stored in a catalog of Government and industry reports and literature. These documents are used to provide answers to technical questions and perform consultative services.

Consultations, answers

157

"BULLETIN MENSUEL SIGNALETIQUE"

4 Avenue de la Porte-d'Issy, Paris IVe, France

(Service de Documentation et d'Information Technique de
l'Aeronautique)

Abstracts from all areas of aerospace technology, in French,
from journals, books, reports, papers, patents, etc. Started
1945, subject index.

Monthly bulletins - 9500 abstracts/yr.

158

"BULLETIN OF CHEMICAL THERMODYNAMICS"

Office of Critical Tables, 2101 Constitution Avenue, NW,
Washington 25, DC - EX 3-8100

(National Research Council)

A critical compilation of prepublication abstracts.

Annual - by request - 400/yr.

159

"BULLETIN OF THE BRITISH NON-FERROUS METALS RESEARCH ASSOCIATION"

81-91 Euston Street, London NW 1, England

(British non-Ferrous Metals Research Association)

Abstracts from patents, books about 300 journals and other sources.

Started 1921 with annual author and subject indexes.

Monthly - 2900 abstracts/yr.

160

"BULLETIN OF THE BRITISH SCIENTIFIC INSTRUMENT RESEARCH ASSN."

20 Queene Anne Street, London W1, England

(British Scientific Instrument Research Assn.)

Abstracts covering scientific instruments of chemistry, metallurgy,
optics, ray and vacuum techniques. Started 1946, from books,
reports and about 200 journals. Annual author and subject indexes.

Monthly - \$12.00/yr. - 2500 abstracts/yr.

161

"BULLETIN OF THE PROVISIONAL INTERNATIONAL COMPUTATION CENTRE"

Palazzo degli Uffici, Zona del' E E.U.R., Rome, Italy

(Provisional International Computation Centre)

Includes book reviews, meeting announcements, descriptions of
laboratory installations and computer training facilities --
world wide.

Bulletin - free

162

"BULLETIN SIGNALETIQUE"

16 rue Pierre Curie, Paris Ve, France

(Centre de Documentation)

Part I: Physical sciences, engineering, earth sciences. Monthly
since 1940; 50,000 indicative abstracts/yr., in French, from 3500
journals, and books and miscellaneous publications. Annual author
and subject indexes.

Monthly, annual author & subject indexes - subscription - \$18.00/yr.

163

"BULLETIN SIGNALÉTIQUE DES TELECOMMUNICATIONS"

Centre National de'Etudes des Telecommunications, Issy-les-Moulineux, France

Abstracts in French from books and about 400 journals. Started 1946, covers communications, electronics, applied physics, TV, engineering.

Monthly - \$12.50/yr. - 2500 abstracts/yr.

BUNHILL PUBLICATIONS, LTD.

see:

"Aircraft Engineering"

164

BUREAU OF MINES

Box L, University of Alabama, Tuscaloosa, Alabama - PL 8-0491
Metallurgical, chemical engineering, thermodynamics, Hydro and Pyro metallurgy, analytical chemistry, physical chemistry, extractive metallurgy. Prepares literature searches.
Consultation, loan service

BUREAU OF MINES

see:

"Contributions to the Data on Theoretical Metallurgy"

Coal Mining Research Center

College Park Metallurgy Research Center

Library Petroleum Research Center

American Petroleum Institute Research, Project 52

BUREAU OF NATIONAL AFFAIRS, INC.

see:

"Atomic Industry Reporter"

BUREAU OF NAVAL WEAPONS

see:

RDT&E Quarterly Progress Report"

165

BUREAU OF SHIPS

Technical Library, 18th & Constitution Avenue, Washington 25, DC
OX 6-5765

Collects internally generated reports and distributed upon request.

BURROUGHS CORPORATION

see:

Electrodata Manufacturing & Engineering Division Library

166

BUSH, G. F. ASSOCIATES

Box 175, Princeton, NJ - HO 6-0458

Maintains information on scientific instrumentation, atmospheric phenomena, transducers, medical, materials, nuclear processes.

172

CARDIOVASCULAR LITERATURE PROJECT

1028 Connecticut Avenue, NW, Suite 909, Washington 25, DC - JA 8-8364
(National Research Council)

Collects and stores information on effects of chemicals and drugs on the cardiovascular system. Psycho-pharmacology, tranquilizers, etc., will be added. Three bibliographies have been prepared for initial background material. May be changed to "Institute for Advancement of Medical Communication)

Monthly - 45000 references

CARNEGIE INSTITUTE OF TECHNOLOGY

see:

Manufacturing Chemists Association Research Project on Properties of Chemical Compounds

CARUS CHEMICAL COMPANY

see:

Permanganate Information Service

173

"CATALOG OF FOSSIL SPORES & POLLEN"

Palynological Laboratories, Pennsylvania State University,
University Park, Pa. - UN 5-6545

Compiles, publishes and distributes data required for taxonomic and nomenclatural treatment of fossil spores and pollen.
Literature interpretation.

Consultation

174

"CATALOG OF PUBLICATIONS"

Industrial College of the Armed Forces, Ft. McNair, DC

A publication for resident students and faculty covering a numerical index of all lectures, student reports and committee reports. A separate listing of monographs and textbooks is maintained. A combined index of all publications by author, title, and subject is included.

Catalog, by request

175

"CATALOG OF THE NATIONAL LIBRARY OF MEDICINE"

National Library of Medicine, Washington 25, DC

A listing of books and journal articles arranged by author and subject covering medicine and related fields. Started 1950.

Annual - Library of Congress, Card Division - 17000 entries

176

CATALOGS OF TECHNICAL REPORTS

Office of Technical Services, Washington 25, DC - DU 6-1224

A listing of all pertinent Publications Bureau reports in more than 300 special subject areas such as boron, transistors, adhesives.

Listing - OTS by request

167

CALCIUM CHLORIDE INSTITUTE

1200 18th Street, NW, Washington 6, DC - FE 8-1350
Information and research on calcium chloride.

168

CALVA, J. B. & COMPANY

204 Upper Midwest Building, Minneapolis 1, Minn. FE 8-5019
Covers chemical structure of orodiferous substances and their effects on the olfactory mucous menbrane. Collects published information on research. References psychological factors in odor detection and warning systems using odorants.
Consultation

CAMBRIDGE COMMUNICATIONS CORPORATION

see:

"Solid State Abstracts"
"Computer Abstracts"

CAMBRIDGE UNIVERSITY PRESS

see:

"Journal of Fluid Mechanics"

169

"CANADIAN GEOPHYSICAL BULLETIN"

National Research Council of Canada, Ottawa, Canada
Abstracts and bibliographies from Canadian journals, books, etc.
Started 1947.
Quarterly - by request - 450 references/quarter.

170

CANCER CHEMOTHERAPY NATIONAL SERVICE CENTER

Robin Building, Bethesda 14, Maryland - OL 6-4000
(National Institutes of Health)
Chemical compound structures; type: reports from screening program for testing compounds in the cancer chemotherapy project. Reports a mechanized system concerned with chemical biological test data.
30,700 compounds

CARBORUNDUM COMPANY

see:

Zirconium Information Center

171

CARD INDEX OF CURRENT TAXONOMIC RESEARCH

Department of Botany, University of Kansas, Lawrence, Kansas -
(American Society of Plant Taxonomists)
Names of any plant taxa and information concerning the disciplines used in a particular taxonomic study. Attempts to prevent duplication of taxonomic research projects in North America.

177

CAVE RESEARCH ASSOCIATES

1911A Berkeley Way, Berkeley 4, Calif. - TH 4-5990

Makes literature searches, summary and abstracting review, provides loan service. Covers geology, archeology, hydrology, paleontology, speleology and biology.

178

CANITRON ELECTRICAL OSCILLATOR COMPANY

355 Newport Blvd. Box 1156, Newport Beach, Calif. - LI 8-6123

Covers fields of electro-acoustics, static forces in matter, and their effects on materials, chemicals, ceramics, and related areas.

CELANESE CORPORATION OF AMERICA

see:

Technical Letter File

Published Materials File

179

CENTER FOR AGING RESEARCH

National Institutes of Health, Robin Bldg. Bethesda 14, Md.

Maintains data on research projects on the aged; has own program. Consultation

180

CENTER FOR AID TO MEDICAL RESEARCH

Dow Corning Corporation, Midland, Michigan - TE 2-2371

Maintains a clearing house for information about medical uses of silicones, cooperates in research in organosilicon chemistry, in relation to human body.

Reference service

182

CENTER FOR DOCUMENTATION & COMMUNICATION RESEARCH

School of Science, Western Reserve University, Cleveland 6, Ohio

CE 1-7700, ext. 317

Research in documentation, information storage and retrieval, particularly in the fields of metallurgy, physics, chemistry, and other related subject fields. Maintains collections of library literature, Government and industrial reports, and furnishes documents, abstracts, review reports, accession lists and abstracts. Provides answers to specific technical questions.

183

CENTRAL DOCUMENTATION OF AERONAUTICAL LITERATURE

Sloterweg 145, Amsterdam W, Netherlands

(Nationaal Luchtvaart Laboratorium)

Abstracts on aeronautical technology in English except for some

French abstracts on French papers, forwarded on cards. Started

1948, from papers, reports and about 200 journals.

Weekly - \$200.00/yr.

184

CENTRAL INDEX OF RESEARCH PROJECTS ON THE DEAF

Gallaudet College, Washington 2, DC - LI 7-7200

(American Speech and Hearing Association & Gallaudet College)

A central index on deafness, speech and hearing.

Index

CENTRAL INSTITUTE FOR THE DEAF

see:

Armed Forces-NRC Hearing & Bio-Acoustics Committee

CENTRAL INTELLIGENCE AGENCY

see:

Consolidated Translation Survey

CENTRALNY INSTYTUT DOKUMENTACJI NAUKOWO-TECHNICZNEJ

see:

"Polish Technical Abstracts"

185

CENTRAL RESEARCH INDEX, AGRICULTURAL CHEMICALS

Midland, Michigan

(Dow Chemical Company)

Agricultural chemicals; type: data from the company's agricultural chemicals screening program.

1,400,000 cards on 35,000 compounds

186

CENTRE DE DOCUMENTATION

16 rue Pierre Curie, Paris 5E, France

(Centre National de la Recherche Scientifique)

Maintains translation index. Prepares catalogs, bulletins on translations and some unpublished work. Separate index of English work.

Bulletins, microfilm, photostat, catalogs, photocopy - 40,000

CENTRE DE DOCUMENTATION

see:

"Bulletin Signaletique"

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

see:

Centre de Documentation

CENTRE NATIONAL D'ETUDES DES TELECOMMUNICATIONS

see:

"Bulletin Signaletique des Telecommunications"

CENTRO DE DOCUMENTATION

see:

Mexican Scientific & Technical Documentation Centre

CENTRO NAZIONALE DE DOCUMENTAZIONE SCIENTIFICO-TECNICO

see:

"Indice de Periodici Scientifici e Technici"

CHARLES PFIZER & COMPANY, INC.

see:

Medical Research Laboratories

188

CHEMICAL ABSTRACTS

1155 16th Street, NW, Washington 6, DC

(American Chemical Society)

Abstracts all new chemical and chemical engineering publications.

Publishes monography, special lists. About 9000 journals plus books, patents, etc., are abstracted. Full size copies of individual abstracts, specialized bibliographies (copies); 5x8" cards, 224 abstracts reduced to a single negative. Lists of chemical structures fulfilling certain characteristics. Chemical "concept" cards stored in IBM 1401.

Abstract journal - subscription - 133000 abstracts/yr.

189

CHEMICAL ANALYSIS BY X-RAY DIFFRACTION METHODS (JOINT COMMITTEE)

Dow Chemical Company, Midland, Michigan

X-ray diffraction; chemical analysis. Solid materials of interest to science and industry. Powder patterns (by more than one technique). Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

3x5" cards - National Bureau of Standards Circular 539, GPO X-ray Powder Data file by ASTM.

190

"CHEMICAL & PHYSICAL PROPERTIES OF EXPLOSIVES"

15 Acorn Park, Cambridge 40, Mass.

(Arthur D. Little, Inc.)

Chemical and physical properties of explosive compounds and mixtures, and the results of standard tests made on explosives; type: data gathered from Government reports, reports prepared by contractors on Government projects (classified and unclassified), and open literature references.

3,000 documents

191

"CHEMICAL ENGINEERING PROGRESS"

25 W 45th Street, New York 36, New York - CO 5-7330

(American Institute of Chemical Engineers)

Abstracts all advanced technology in chemical engineering field including automatic control, related mathematics, etc. Started 1959, annual subject indexes, pre-publication abstracts.

Monthly - \$6.00/yr. - 50 abstracts/yr.

192

"CHEMICAL ENGINEERING SCIENCE"

122 E 55th Street, New York 22, NY

(Pergamon Press)

Papers and entries (about 2/3 Russian) in chemical engineering field. Started 1951, covers world-wide journals, no index..

Monthly - \$17.00/yr. - 900 references/yr.

193

CHEMICAL FILE

Fort Detrick, Frederick, Maryland

(Army Biological Warfare Labs)

Chemistry; type: laboratory records and data on chemicals with herbicidal properties.

194

CHEMICAL FRAGMENTS AS ULTRA-ENERGY PROPELLANTS

Aerojet General Corporation, Azusa, Calif.

Reference abstracts covering ultra-energy propellants, Air Force contract.

Irregularly

195

CHEMICAL INFORMATION SERVICE

Box 36, 590 Outremont Street, Montreal 8, Quebec

(Fabian Chemical Company)

Technical data, sources, prices of chemical compounds.

Answering service

196

CHEMICAL KINETICS DATA PROJECT

Department of Chemistry, St Lawrence University, Canton, NY - FT 6-3582

Inorganic and organic reactions are reported whether in the gaseous, liquid, or solid phase. Reactions, rate constants, activation energies, frequency factors, activation heats, and activation entropies. Medium (solvent), amounts of addends (catalysts), temperatures, and concentrations are specified. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Looseleaf sheets, book form - Tables, supplements, circulars, GPO, NBS

CHEMICAL SOCIETY OF LONDON

see

"Current Chemical Papers"

197

"CHEMICAL TITLES"

1155 16th Street, NW, Washington 6, DC

(American Chemical Society)

Title listing from 550 journals including Russian in form of alphabet author and permuted title index. Covers Pure and Applied Chemistry.

Started in 1960.

Semimonthly by subscription

198

CHEMINFORM INSTITUTE

10 Columbus Circle, New York 19, NY - JU 6-6380

Supplies composition, formula, active ingredients of generic names, technical words, and trademarked products in the chemical, pharmaceutical and processing fields. Performs legal searches for proposed and new trademarks.

199

CHEMISCHES ZENTRALBLATT

Deutsche Akademie der Wissenschaften, Berlin, Germany

(Deutsche Akademie der Wissenschaften zu Berlin)

Abstracts in German from books, patents, about 5000 journals and miscellaneous publications. Arranged by subject and annual author and patent indexes. Started 1830, covering applied chemistry, metallurgy and industrial areas, both organic and inorganic.

Weekly - \$80.00/yr. 10,000 abstracts/yr.

200

CHEMISTRY

11th & Arnold Streets, Chicago Heights, Ill.

(Victor Chemical Works (Division of Stauffer Chemical Co.))

Chemistry; type: abstracts of all technical literature pertaining to compounds in which the organization may be interested, and pertinent U.S. and foreign patent specifications.

47,000 abstracts

201

CHEMISTRY

Wayne State University, Detroit 2, Michigan

Chemistry; type: scientific papers in the original literature and abstracts of scientific papers in several abstracting journals.

500 abstracts

202

CHEMISTRY INFORMATION CENTER

Clarksville, Maryland

(W. R. Grace & Company)

Chemistry; type: technical and administrative company correspondence in Central Files Unit.

2,500 references

CHEMISTRY RUBBER PUBLISHING COMPANY

see:

"Handbook of Chemistry & Physics"

CHICAGO RAWHIDE MANUFACTURING COMPANY

see:

Technical Information Center

CHICAGO ROCKET SOCIETY

see:

"Journal of Space Flight"

203

CHILD RESEARCH COUNCIL

4200 E 9th Avenue, Denver 20, Colorado - EA 2-5705

Original data related to healthy growth and development in human beings.

Files open

CHILEAN IODINE EDUCATIONAL BUREAU, INC.

see:

"Iodine Abstracts and Reviews"

204

"CHORDWISE AIR LOAD DISTRIBUTION (ANC-1)"

Aeronautical Standards Group, Washington 25, DC - OX 6-2926

Covers stress analysis.

Handbook and supplement

205

CIBA PHARMACEUTICAL PRODUCTS, INC.

Scientific Information Center, Summit NJ - CR 3-3500

Collects information on medical, chemical, physical and biologic properties of natural and synthetic compounds.

206

CLIMATIC CENTER

Air Weather Service (USAF), Annex 2, 225 D Street, SE, Washington 25, DC - DU 6-1351

Collection of world-wide meteorological data, prepares climatological reports.

Data

207

CLIMAX MOLYBDENUM COMPANY

1270 Avenue of the Americas, New York 20, NY - PL 7-9700

(American Metal Climax, Inc.)

Collects and correlates information on molybdenum, its metallurgy, uses and chemistry.

208

COAL MINING RESEARCH CENTER

4800 Forbes Avenue, Pittsburgh 13, Pa. - MA 1-4500

(Bureau of Mines)

Collects information on coal mining research in extraction, preparation, hydraulic mining, degasification, coal preparation and formation of mine water.

209

COAST & GEODETIC SURVEY

Department of Commerce, Washington 25, DC - ST 3-9200

Stores and makes available information on geodesy, gravity, surveying, coastal information, oceanography, geomagnetism, seismology, charts and maps, charting and mapping, instrumentation, applied techniques for electronic instruments and related areas.

Reference, maps and charts.

210

COBALT INFORMATION CENTER

505 King Avenue, Columbus 1, Ohio - AX 9-2191

(Battelle Memorial Institute)

Maintains file of available information on Cobalt, all aspects covered. Inquiry answering service and consultation. Abstracts and reports are distributed, bibliographies prepared. Quarterly journal of review papers, reports of current research and literature abstracts along with monographic reviews.

Journal, abstracts, reports, consultation

211

COBLENTZ SOCIETY COMMITTEE ON INFRARED ABSORPTION SPECTRA

1517 Vine Street, Philadelphia 2, Pa.

Coblentz Society Committee

Pure compounds and commercial products. Infrared spectra. Infrared absorption spectra in the 2 to 30 micron range. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Sadtler's Midget Edition - Sadtler Research Labs., 1517 Vine St.

212

COLGATE - PALMOLIVE COMPANY

Jersey City NJ

Internal reports, memos and letters on chemistry and chemical technology.

213

COLLEGE PARK METALLURGY RESEARCH CENTER

University of Maryland, College Park, Maryland, UN 4-3100

(Bureau of Mines)

Metallurgical, physical and chemical data related to metallic and non-metallic raw materials. Performs literature searches, survey and abstract review and loan service. Bureau of Mines supported.

Consultant - free

COLORADO STATE UNIVERSITY

see:

Soil & Water Documentation Center

COLUMBIA UNIVERSITY

see:

Science Reference Notes

214

COLYER COMPANY

350 Lexington Avenue, New York 16, NY - OX 7-8651

Collects published and unpublished information on medical and physical properties of pectin and related products.
Consultant service

215

"COMMERCIAL STANDARDS"

Office of Technical Services, Washington 25, DC - ST 3-5200

Specifications and standards of manufactured products. Includes information from procurement agencies and manufacturing industries.
Standards

216

"COMPOSITE CONSTRUCTION (MIL HANDBOOK 23 - PART I)"

Forest Products Laboratory, Madison 5, Wisconsin

Collects information on and prepares handbook on composite construction materials for airframes.
Handbook

217

COMPUDYNE CORPORATION

Publication & Records Department, 400 S Warminster Road, Hatboro, Pa. - OS 5-4100

Catalogs and files components and equipment used in computing dynamic control systems for design and evaluation studies. Covers frequency response, sensitivity and accuracy and cost data.

218

COMPUTATION CENTER

University of Oklahoma, Norman, Oklahoma - JE 6-0900, ext. 2091

Collects and processes numerical data using four university computer centers. Covers computations, medical, biological and others, prepares mathematical tables, number theory and related research.

219

COMPUTATION CENTER

University of North Carolina, P.O. Box 929, Chapel Hill, NC - 967-7037

Issues programming, mathematical and operations notes concerning numerical analysis, programming and artificial intelligence.
Consultation and programming services. Computer language and linguistic studies.
Consultation

220

"COMPUTER ABSTRACTS"

Cambridge Communication Corporation, 238 Main Street, Cambridge, Mass. KI 7-1997

Electronic computers, abstracts on cards for reference.
Card file

221

COMPUTER PROGRAM LIBRARY

Xpsilanti State Hospital, Ann Arbor, Michigan

(University of Michigan)

Maintains a library and exchange for the behavioral sciences.

222

"COMPUTERS IN BEHAVIORAL SCIENCE"

Department of Pediatrics, Louisville, Ky. - JU 2-1621

(University of Louisville)

Collects information on computer programs of interest or use to behavioral scientists. Publishes abstracts, covers mostly statistical programs.

Abstracts, consultation

223

"CONFIDENTIAL BIBLIOGRAPHY OF HUMAN ENGINEERING REPORTS"

Naval Training Device Center, Port Washington, NY

Human engineering reports published by the center are compiled into a bibliography for distribution.

Bibliography - request from ASTIA

224

CONSOLIDATED TRANSLATION SURVEY

Central Intelligence Agency, Washington 25, DC

Monthly, since 1957, about 25,000 references a year to translations from world-wide literature, completed or in process; arranged by area and by subject; translations of scientific papers grouped together, regardless of geographic area; author index in each issue.

Monthly by request - 25,000 references/yr.

CONSOLIDATED COAL COMPANY

see:

Information Section

CONSULTANT'S BUREAU ENTERPRISES, INC.

see:

Soviet Science in Translation

CONSUMERS UNION

see:

Public Service Projects Department

225

CONTRACT FILE

Financial & Cost Analysis Branch, Office of Naval Materiel,

Washington DC.

Information available to government personnel. Management information. Contracts over \$10,000. Unique coding of Dewey Decimal type. Kept in punch card file.

Obtain by request

227

"CONTRACTOR REPORTS DIGEST"

2521 Connecticut Avenue, NW, Washington, DC.

(Documentation Inc.)

All reports on programs ANIP, SUBIC, SURIC for six weeks. ONR, Navy sponsored. Digests and abstracts of important information digested to about 2% of size of original material. Published every six weeks. Distributed to about 600 interested organizations.

Digests, abstracts

227A

CONTRACTS-AMC (now contracts - AFLC)

Air Force Logistics Command, Basement Bldg 16, Wright-Patterson AFB, Ohio - CL 3-7111, ext. 25228

Good reference for all AMC contract information. Consultation.

228

"CONTRIBUTIONS TO THE DATA ON THEORETICAL METALLURGY"

Berkeley Thermodynamics Lab., University of California, Berkeley, Calif.

(Bureau of Mines)

Inorganic compounds of interest in metallurgical and ceramic operations. Properties, free energy values for metallurgical reactions, free energies, entropies, heats of formation, high and low temperature heat capacities, and heats accompanying changes of state.

Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961. NAS/NRC Publication 837.

Text and tables, alphabetical - Bureau of Mines Bulletins, GPO

CONVAIR

see:

Radiation Effects & Shielding Handbook

Metal Sandwich Construction

Engineering Standards Technical Information

229

COORDINATING RESEARCH COUNCIL

30 Rockefeller Plaza, New York 29, NY

An advisory council supported by government and industry to provide abstracts and handbooks in the area of fuels and lubricants.

Library literature, government and industrial research reports are maintained, from which abstracts, review reports, accession lists and answers to specific technical questions are provided. Special laboratory facilities are available.

Documents, reports, answers, lists

230

CORE LABORATORIES, INC.

P.O. Box 10185, Dallas, Texas - FL 7-8271

Accumulates data on physical characteristics of earth samples,
changes of phase relations and characteristics with variations
in temperature and pressure.

CORNELL UNIVERSITY

see:

IGY World Data Center (Visual Observations of the Aurora)

Bibliography of Extraterrestrial Radio Noise

"Survey of Research Projects in the Field of Aviation Medicine"

231

"CORROSION ABSTRACTS"

1016 M&M Building, Houston 2, Texas

(National Association of Corrosion Engineers)

Monthly abstracts, annual tabular index. Corrosion control by
means of barriers, changes of environment, electricity, improved
design, and inhibition; corrosion control programs (administration,
economics, safety, statistics, testing); effect of corrosion on
metals in all environments; materials substituted for metals in
corrosive environments (economics, properties, etc.)

Abstracts, index - \$11.00/yr. - 1,250/yr.

COSPAR

see:

IGY World Data Center (Rockets and Satellites)

232

COTTONSEED PRODUCTS RESEARCH LABORATORY

P.O. Box 224, College Station, Texas - VI 6-5117

Collects information on oil seeds processing, vegetable proteins,
cellulose, oils and fats.

Consultant

233

CREEP COMMUNICATIONS SYSTEM

Transport Division, Boeing Company, Box 707, Renton, Wash. - DE 7-2654

Covers creep behavior of materials, files, opinions, plans, data,
theses on creep, with reproduction service.

234

"CRERAR METALS ABSTRACTS"

86 E Randolph Street, Chicago 1, Ill.

(John Crerar Library)

Abstracts from technical reports, patents, 7000 journals and other
sources. Covers hafnium, molybdenum, rare earths, titanium,
vanadium, zirconium metals. Started 1952, annual author and
subject indexes.

Monthly - \$60.00 - 2500 abstracts/yr.

235

CRYOGENIC DATA CENTER

Boulder Laboratories, National Bureau of Standards, Boulder, Colo.
HI 2-2161

Technical references on cryogenic phenomena. Publishes data sheets on cryogenic properties of materials. Retrieval system by one degree increments is maintained, pressure data to 200 atmospheres are contained.

Data sheets, bibliographies.

236

CRYSTAL DATA

U.S. Geological Survey, Washington 25, DC - RE 7-1820

Crystal data on elements, alloys, inorganic and organic compounds. Supported by NSF. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Tables and lists, Part I: classification of crystalline substances, Part II: identification of crystalline. Memoir 60, Geo Soc Am; Crystal Data (ix-719).

237

CRYSTAL STRUCTURES

University of Arizona, Tucson, Arizona

Elements, inorganic and organic compounds; data presented almost entirely from X-ray diffraction measurements and include atomic coordinates, cell dimensions, and atomic and ionic radii.

Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Looseleaf sheets in binders, Crystal Structures, 250 5th Ave., NY 1.

238

CUMULATIVE CURRENT ABSTRACTS

Applied Physics Laboratory, Johns Hopkins University, Silver Spring, Maryland

Navy supported.

239

"CURRENT CHEMICAL PAPERS"

Purlington House, Piccadilly, London W1, England
(Chemical Society of London)

Reviews all chemical papers and journals in the world, and publishes a list of all papers by title covering significant new chemical systems.

List of chemical publications - \$14.20/yr. - 22000 titles/yr.

240

"CURRENT CONTENTS OF LIFE SCIENCES PUBLICATIONS"

1122 Spring Garden Street, Philadelphia 23, Pa.
(Eugene Garfield Associates)

Biochemistry, organic chemistry, pharmacology, basic medicine, pharmaceutical research, preclinical sciences; also OATS.

Journals - 120,000 titles/yr.

241

"CURRENT CONTENTS OF MANAGEMENT SCIENCE PUBLICATIONS"

1122 Spring Garden Street, Philadelphia 23, Pa.

(Eugene Carfield Associates)

Monthly; management in all phases including administration, automation, finances, sales, management, personnel, psychology, advertising, business in general, plants; also related to the service in OATS.

Price - \$25.00/yr.

"CURRENT CONTENTS OF SPACE & PHYSICAL SCIENCES"

1122 Spring Garden Street, Philadelphia 23, Pa.

(Institute for Scientific Information)

Titles of articles appearing in about 425 journals covering all space technology fields. Started 1961.

Weekly - 100,000 titles/yr.

242

"CURRENT GEOGRAPHICAL PUBLICATIONS"

(American Geographical Society)

Author, subject, and geographic annual indexes. Geography

(cultural, economic, human, nomenclatural, mathematical, medical, physical, political, social), exploration, surveying, cartography, geology, glaciology, oceanography, climatology, biogeography, population studies, city and regional planning, statistical material, censuses, agriculture, forestry, anthropology, archaeology, treaties, and boundaries.

Indexes, publications - 5,000/yr.

244

"CURRENT LITERATURE ABSTRACTS BULLETIN"

Olin Mathieson Chemical Corporation, Niagara Falls, New York

Abstracts from foreign and domestic journals, chronological and author indexes. Started 1952, covers boron chemistry, physical chemistry and propellants.

245

"CURRENT REVIEW OF THE SOVIET TECHNICAL PRESS"

Office of Technical Services, Washington 25, DC - ST 3-5200

Weekly, since 1960, 2000 informative abstracts a year of articles from Soviet journals and from books; emphasis is on new technological developments.

Weekly - \$7.00/6 months - 2000/yr.

CYRILLIC BIBLIOGRAPHIC PROJECT

246

"Monthly Index of Russian Accessions"

246

DALLAS LABORATORIES

2121 S Central Expressway, Dallas 15, Texas - HA 1-1400

Prepares on request data on a wide range of chemical and bacteriological areas.

Consultation, data - fee

247

DANA'S SYSTEM OF MINERALOGY

Harvard University, Cambridge, Mass.

Minerals. Crystallographic, physical, optical, and chemical properties. The crystallographic data given include interaxial angles and unit cell dimensions; the physical property values include hardness, melting point, and specific gravity. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Text and tables in bound volumes - John Wiley & Sons, Inc., NY

248

DATA AVAILABLE IN COMPTROLLER FILES

Andrews AFB, Washington 25, DC -

(AFSC)

Current recurring data gathered and processed through the reporting systems of the Comptroller Office. Index published as required - lists reports by subject only. Data in Comptroller Files (punched card, magnetic tape, other files) is given in no order. Lists information in each report but does not give sequence.

250

DATA SHEETS - COBALT

505 King Avenue, Columbus 1, Ohio

(Battelle Memorial Institute)

Information on Cobalt containing alloys.

Data sheets

251

"DD-613 INDEX"

Office of Naval Research, Washington 25, DC - OX 6-7782

Printed index by contract number, contractor, chief investigator, project; on IBM cards. Can search for geographical areas.

Restricted to DOD

252

DD-613 PROGRAM

ASTIA, Arlington Hall, Arlington, Va. - JA 5-5800

(Armed Services Technical Information Agency)

A mechanized system to search the R&D project cards of the DOD for technical references.

253

DEAFNESS, SPEECH & HEARING ABSTRACTS

Gallaudet College, Washington 2, DC - LI 7-7200

Abstracts information on hearings, speech disorders.

Abstracts

254

DEFENSE METALS INFORMATION CENTER (DMIC)

505 King Avenue, Columbus 1, Ohio - AX 9-2191

(Battelle Memorial Institute)

Formerly: Titanium Metallurgical Laboratory & Cobalt Information Center. This center provides Government contractors and their suppliers with technical assistance and information on titanium, beryllium, refractory metals, high-strength alloys for high-temperature service, coatings, and thermal protection systems. Reports, consultation, special studies

255

DEGOLYER COLLECTION IN THE HISTORY OF SCIENCE & TECHNOLOGY

University of Oklahoma, Norman, Oklahoma - JE 6-0900

Collects and retrieves information on the history of science and technology for research assistance.

DEPARTMENT OF AGRICULTURE

see:

"Index-Catalogue of Medical & Veterinary Zoology"

Bibliography of Agriculture

Southern Regional Research Laboratory

National Library of Agriculture

DEPARTMENT OF COMMERCE

see:

Weather Bureau

Office of Technical Services

Coast & Geodetic Survey

Foreign Trade, Commerce & Economics Information

"Inventions Wanted by Armed Forces - Cumulative List"

Information on Soviet Bloc International Geophysical Cooperation

National Bureau of Standards

"Standardization Activities in the United States"

DEPARTMENT OF DEFENSE

see:

Index to Shock & Vibration Bulletins

Advanced Research Projects Agency (ARPA)

Maintenance Engineering Exchange Program

Aeronautical Standards Group

256

DEPARTMENT OF FOODS & NUTRITION

535 N Dearborn Street, Chicago 10, Ill. WH 4-1500

(American Medical Association)

Provides information to medical profession for therapeutic nutrition, foods and nutrition.

Consultation

DEPARTMENT OF HEALTH EDUCATION & WELFARE

see:

"Public Health Engineering Abstracts"

National Institutes of Health

National Clearinghouse for Poisons Control Centers

257

DEPARTMENT OF INSECT PATHOLOGY

University of California, Berkeley 4, Calif. - TH 5-6000, ext. 2957

Maintains a Diagnostic Index to all diseases and abnormalities found in insects, including infectious as well as non-infectious diseases.

258

DEPARTMENT OF RADIOBIOLOGY

Walter Reed Army Medical Center, Washington 12, DC - RA 3-1000

(Army)

Collection of anti-radiation compounds from literature and in-house sources. Chemical medical and physical data included.

Consultation

DEPARTMENT OF SCIENTIFIC & INDUSTRIAL RESEARCH

see:

Translations Bulletin - Leading Library Unit

259

DERIVATION & TABULATION ASSOCIATES, INC.

43 S Day Street, Orange, NJ - OR 3-8030

Characteristics on all transistors, semiconductor diodes and rectifiers, and microwave tubes currently manufactured throughout the world.

260

DESERT SUNSHINE EXPOSURE TESTS

7740 N 15th Avenue, Phoenix, Ariz. - WI 3-3797

Measures solar radiation, collects and disseminates data to interested individuals, includes temperatures and humidities.

Consultation

261

DESIGN OF WOOD AIRCRAFT STRUCTURES (ANC-18)

Aeronautical Standards Group, Washington 25, DC - OX 6-2926

Handbook

262

"DESIGN PROCEDURES (MIL HANDBOOK 23 - PART III)"

Forest Products Laboratory, Madison 5, Wisconsin

Collects information on and prepares handbook on design procedures for using plastics in aircraft.

Handbook

DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU BERLIN

see:

Zentralblatt für Mathematik

Chemisches Zentralblatt

DEUTSCHE VERSUCHSANSTALT FÜR LUFTFAHRT

see:

DVL-Bibliographie

263

"DEVELOPMENT DEPARTMENT INDEX, CHEMISTRY, PHYSICS"

Union Carbide Plastics Company, Bound Brook, NJ - EL 6-8000, ext. 333

Chemistry, physics, chemical technology, and engineering. Type:

non-periodic technical reports, punched card index of company records.

400,000

264

DIGHT INSTITUTE FOR HUMAN GENETICS

University of Minnesota, Room 10, Zoology Bldg. Minneapolis 14, Minn.

FE 2-8158

Collects information on human genetics, inherited mental retardation, cerebral palsy, population studies.

Consultation

265

DIRECT ENERGY CONVERSION: SELECTED REFERENCES

Naval Research Laboratory, Library Branch, Washington 25, DC. JO 3-6600

Annotated abstracts from books, technical reports and about 350

journals, alphabetically arranged. Started 1961, covering direct energy conversion.

Quarterly - OTS - \$2.50/yr.

266

"DIRECTORY OF INDEPENDENT COMMERCIAL LABORATORIES PERFORMING R&D"

National Science Foundation, Washington 25, DC - ST 3-2104

A listing of R&D laboratories, latest revision 1957.

Irregularly revised - GPO - 565 references

267

DIRECTORY OF NON-ARDC(AFSC) TECHNICAL BOARDS & COMMITTEES

Andrews AFB, Washington 25, DC -

(AFSC)

This is a list of Air Force membership on more than 200 DOD, government and industry technical boards, associations, and committees.

268

"DIRECTORY OF TECHNICAL SPECIFICATIONS"

41 Union Square, New York 3, NY - WA 4-2111

(Technical Information Corporation)

A listing of 20 specifications for each of 6000 electronic test instruments. Started in 1956, includes prices of instruments sold in U.S., including foreign manufacture. Directory is in loose-leaf binders.

Semiannual by subscription

269

"DISSERTATION ABSTRACTS"

313 N 1st Street, Ann Arbor, Mich.

(University Microfilms, Inc.)

Abstracts of doctoral dissertations from 45 schools. Annual and cumulative author and subject indexes. Published monthly since 1938.

Monthly - \$27.00/yr.

270

DIVISION OF BIOLOGICAL RESEARCH

Kettering Laboratory, Eden Avenue, Cincinnati 19, Ohio

(University of Cincinnati)

Covers information on biochemistry, physiology, toxicology, analytical chemistry, toxicity and metabolism.

Consultation

271

DOCAERO

4 Ave de la Porte-d' Issy, Paris XVe, France

(Service de Documentation et d'Information Technique de l'Aeronautique)

Covers reviews on aeronautics technical areas; started 1950. Included as service to subscribers to Bulletin Mensuel Signaletique.

100 reviews

272

DOCUMENTATION CENTER, PATHOLOGY, PHARMACOLOGY, & BIOCHEMISTRY

60 Orange Street, Bloomfield, NJ - PI 3-6000

(Schering Corporation)

Pathology, pharmacology, and biochemistry. Type: experimental articles and clinical papers. Chemical biological and medical information of interest to pharmaceutical research.

12,000

DOCUMENTATION DIGEST

see:

Sci-Tech News - Documentation Digest

DOCUMENTATION INCORPORATED

see:

Submarine Integrated Control Advisory Committee - SUBIC

Army-Navy Information Program - ANIP

Surface Integrated Control - SURIC

DOCUMENTATION INCORPORATED (Cont'd)

Contractor Reports Digest

State of Knowledge Summaries

Man-Machine Information Center (MMIC)

Project ECHO (Experimental Contract Highlight Operation)

273

DOCUMENTATION IN INSTRUMENTATION

National Bureau of Standards, Washington 25, DC

Instrumentation; type: literature of instrumentation, Government reports, and internal documents.

18,000

274

"DOCUMENTATION ON MOLECULAR SPECTROSCOPY (DMS)"

88 Kingsway, London W.C. 2, England

(Oxford University)

Organic compounds now, inorganic later. Infrared absorption spectra.

Directory of Continuing Numerical Data Projects, Office of

Critical Tables, 1961, NAS/NRC Publication 837.

Key-sort cards, literature and spectral - Subscribers to Spex

Industries Inc., 205-02 Jamaica Avenue, Hollis 23, NY.

275

DOCUMENTATION SECTION, CHEMICAL, BIOLOGICAL & CLINICAL DATA

Smith, Kline & French Labs., Philadelphia 1, Pa.

Chemical, biological, and clinical data. Type: internal reports and published literature on the companies products.

100,000

276

DOCUMENTS CONTROL BRANCH

Aeronautical Systems Division, Wright-Patterson AFB, Ohio - CL 3-7111

Plans, programs, and manages development of military aerospace systems documentation.

277

"DOCUMENTS DIGEST"

National Defense Headquarters, Ottawa, Canada

Digest of abstracts of Government research reports by broad subject classes.

Card form or monthly digest - by request

DOKUMENTATIONSABTEILUNG DES FORSCHUNGSINSTITUTS FÜR NE-METALLE

see:

"NE-Metalle"

278

DOLLINGER CORPORATION

11 Centre Park, Rochester 3, NY

Develops tests and information on filtration properties of materials for use in both gas and liquid filtration.

Consultation

279

DOUBLE STAR OFFICE

Lick Observatory, Mt. Hamilton, Calif. - CL 8-5061

Maintains records and data on all double stars, and an index catalogue. Information is maintained on punch card with about 250,000 measures of 60,000 objects.

Consultation, catalog

DOW CHEMICAL COMPANY

see:

Chemical Analysis by X-ray Diffraction Methods (Joint Committee)

Central Research Index, Agricultural Chemicals

Infrared Spectroscopy

Magnesium Information

Thermochemical Data Compilation

280

DOW CORNING CORPORATION

Midland, Michigan

Industrial concern performing research in silicones, silicon compounds, plastics, rubbers, interlayers, organic compounds, polymerization.

Maintains library literature, Government and industrial research reports and unpublished data for distribution. Publishes accession lists and abstracts, answers to specific technical questions, and consultation services. Has special research facilities available.

Documents, abstracts, lists, answers

see also:

Center for Aid to Medical Research

281

DRUG STANDARDS (NATIONAL FORMULARY)

2215 Constitution Avenue, NW, Washington 7, DC - NA 8-4410

Maintains standards for drugs admitted to the National Formulary and supplies. Reference standards.

DUPONT, E. I. DE NEMOURS & COMPANY

see:

"Research Reports"

Patent Information, Synthetic Fibers & Films

282

DVL-Bibliographie

Deutsche Versuchsanstalt für Luftfahrt, Mulheim (Ruhr), Germany

Catalogue of reports, journal articles and meeting papers, arranged by author. Started 1954, covering aerodynamics, aeronautics, and related areas.

Obtain by request

EASTMAN-KODAK

see:

"Monthly Abstract Bulletin"

EATON LABORATORIES

see:

"Nitrofuran Abstracts"

ECHO

see:

Project ECHO

ECONOMICS LABORATORY, INC.

see:

Information Center

283

EDUCATIONAL RESEARCH MATERIALS

U.S. Office of Education, HEW Bldg., Room 4639, Washington 25, DC

WO 2-2832

(Office of Education)

Contains educational research documents with multi-dimensional cross reference listing and fast retrieval system.

Consultation

284

ELECTROCHEMICAL SOCIETY, INC.

1860 Broadway, New York 23, NY

Technical society specializing in advancement of the science and technology of electrochemistry. Fulfills information function by maintaining a catalog file of library literature and industrial research reports on electro-desposition, corrosion, and allied subjects. Maintains search facilities and basic documents for distribution or sale. Provides further service such as abstracts, accession lists, answers to technical questions and consultation services.

285

ELECTRODATA MANUFACTURING & ENGINEERING DIVISION LIBRARY

460 Sierra Madre Villa, Pasadena, Calif. EL 5-8061

(Burroughs Corporation)

Collects published information on digital computer systems. Covers computers, data processing, electronics and mathematical methods.

Consultation

286

ELECTROMAGNETIC COMPATIBILITY ANALYSIS FACILITY

Naval Engineering Experimental Station, Annapolis, Maryland

(AFSC)

Interference analysis on all equipment producing electromagnetic energy. Points out necessary remedial action on interference problems.

287

ELECTRON DEVICES DATA SERVICE

National Bureau of Standards, Washington 25, DC

Collects electrical and technical characteristics of electron devices, including manufacturers' data sheets both domestic and foreign. Has information on about 17,000 tubes and 6000 semiconductor devices. Information on Russian devices is included. Question answering service.

Handbook and question replies

289

"ELECTRONIC COMPONENTS DEVELOPMENT REGISTER"

522 Swan Avenue, Alexandria, Va.

(Melpar, Inc.)

A Government sponsored index of electronic components and parts, not including tubes and semiconductors. Publications, reports and unpublished data are searched; inquiries are answered and a consultation service is provided. Abstracts and indexes are compiled.

Irregular Volumes - request from ASTIA

290

ELECTRONIC COMPONENTS RELIABILITY CENTER

505 King Avenue, Columbus 1, Ohio

(Battelle Memorial Institute)

Collects and indexes source materials of eight electronics manufacturer sponsors. Publishes state-of-the-art reports.

Answering service

291

"ELECTRONIC DIGESTS"

2775 S Moreland Blvd. Cleveland 20, Ohio

(Electronic Periodicals, Inc.)

Informative abstracts on electronics, electronic engineering and military and industrial projects. Covers books, technical reports and about 40 periodicals, semiannual author and subject indexes. Started 1956.

Monthly - \$6.00/yr. - 200 abstracts/yr.

292

"ELECTRONIC INDUSTRIES"

Chestnut & 56th Streets, Philadelphia 39, Pa.

Informative abstracts on electronic engineering including Russian.

Started 1946, photocopies available on foreign abstracts, subject index (annual) on Russian abstracts only, covers new books and about 200 periodicals.

Monthly - \$10.00/yr. - 1500 abstracts/yr.

ELECTRONIC PERIODICALS, INC.

see:

"Electronic Digests"

293

"ELECTRONICS ABSTRACTS"

56 E Walton Place, Chicago 11, Ill.

Abstracts covering every phase of electronics and electronics applications. Started 1954, approximately 300 journals, abstracted with annual author index.

Monthly - \$300/yr. - 10,000 abstracts/yr.

294

"ELECTRONICS DIGEST"

1741 Ivar Avenue, Hollywood 28, Calif.

(Parks International Publications Inc.)

Abstracts on electronic and electronics patents from journals, books, and patents. Started 1954.

Monthly - \$4.00/yr. - 500 abstracts/yr.

294A

"ELECTRONICS EXPRESS"

1909 Park Avenue, New York 35, NY

(International Physical Index, Inc.)

Abstracts on electronics elements, circuits, systems, including audio and acoustic systems. Started 1958, includes condensation from Russian journals, author index.

Ten issues/yr. - by subscription - 500 abstracts/yr.

295

"ELECTRONICS PATENT SERVICE"

5406 Kirkwood Drive, Washington 16, DC

(Radio-Electronics Patent Service)

Indicative abstracts on industrial applications in electronics technology. Started 1946, subject classification.

Weekly - \$25.00/yr. - 4500 abstracts/yr.

ELI LILLY & COMPANY

see:

Lilly Research Laboratories

Eli Lilly Research Records

Pharmaceutical & Medicinal Chemistry Literature

296

ELI LILLY RESEARCH RECORDS

740 S Alabama Street, Indianapolis 25, Ind. - ME 6-2211

(Eli Lilly & Co.)

Collects information on medical chemical and agricultural activity of chemicals, maintains a pesticide literature file.

Consultation

297

"ENAMEL BIBLIOGRAPHY SERVICE"

4055 N High Street, Columbus 14, Ohio

(American Ceramic Society)

Abstracts of patents, books, and about 50 periodicals a year covering vitreous enamels and ceramic coatings. Started 1929.

Annually - \$2.00/yr. - 200 abstracts/yr.

298

ENGINEERING DATA SYSTEM

Army Ordnance, Washington 25, DC - OX 7-8360
(Army)

299

ENGINEERING EXPERIMENT STATION

Seaton Hall, Kansas State University, Manhattan, Kansas - JE 9-2211
Collects and publishes new and significant information on applied
mechanics, chemical, electrical, mechanical and nuclear engineering
and related fields.

300

ENGINEERING INDEX, INC.

29 W 39th Street, New York 18, NY
(American Society of Mechanical Engineers)
Index published weekly with annual compilation. Abstracts of reports
and periodicals included. Published since 1885.
Index and abstracts - by subscription

301

ENGINEERING SOCIETIES LIBRARY

29 W 39th Street, New York 18, NY
Collection of books and bound periodicals in engineering field.
Literature searches, bibliographies, translations, photocopying
services.
Bibliography, translation, photocopy - fee - 180,000 references

302

ENGINEERING STANDARDS TECHNICAL INFORMATION

Convair, Pomona, Calif.
Type: standards, specifications, letters, reports, general corres-
pondence, brochures, sales literature, minutes, agendas, etc.
Subject: technical information on parts, processes, materials,
systems, instruments, etc.
35,000 punched cards, 14,000 document record cards, 3,000 abstract
cards

303

"ENGINEER TECHNICAL INDEX OF ENVIRONMENTAL FACTORS"

Southwest Research Institute
Searches journals, reports and unpublished data, prepares catalogs
and indexes, furnishes answering service. Army supported.
Consultation

304

"ENVIRONMENTAL EFFECTS ON MATERIALS & EQUIPMENT, ABSTRACTS"

Prevention of Deterioration Center, 2101 Constitution Avenue, NW,
Washington 25, DC - EX 3-8100
(National Research Council)
Abstracts from journals and reports with annual subject and author
indexes, started 1961.
Monthly, \$25.00/yr. - 1200 abstracts/yr.

305

"ENVIRONMENTAL REQUIREMENTS OF SEALED CABINS FOR SPACE & ORBITAL FLIGHTS"

Air Crew Equipment Laboratory, Naval Air Material Center,
Philadelphia, Pa.

A series of studies on cabins for space flights, including a bibliography of information and reports containing about 700 references.

ESSO RESEARCH & ENGINEERING COMPANY

see:

Technical Information Division

ETHYL CORPORATION

see:

Indexing Fuel & Lubricant Additives

EUGENE GARFIELD ASSOCIATES

see:

"Current Contents of Life Sciences Publications"

"Current Contents of Management Science Publications"

306

"EUGENICS QUARTERLY"

230 Park Avenue, New York 17, NY
(American Eugenics Society)

Critical abstracts on genetics with annual author and subject indexes, covers twenty five journals, started 1954.

Quarterly review - \$5.00/yr. - 40 abstracts/yr.

EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM)

see:

Transatom

307

"EUROPEAN OFFICE ACTIVITY REPORT"

European Office of OAR, Brussels, Belgium
(Office of Aerospace Research)

In six sections: a - numeric list of contracts giving investigator, title, country, project number, sponsor (division or center and symbol); b - summary of active contracts by field (bioscience, chemistry, propulsion, electronics, geophysics, mathematics, physics, solid state sciences, and special projects), division or center, number of contracts and total dollars; c - summary by country (alpha), number of contracts and dollar value; d - list of active contracts (numeric) by area; e - scientific activity briefs - title, contract number, contractor, monitoring agency; f - European scientific meetings.

308

"EUROPEAN OFFICE BIBLIOGRAPHY OF TN & TR"

European Office of OAR, Brussels, Belgium
(Office of Aerospace Research)

Lists all TN & TR by technical areas, giving contract title,
investigator, institute, location, monitoring agency symbol,
contract number, monitoring agency TN or TR number, ASTIA AD
number.

Quarterly report

309

"EUROPEAN SCIENTIFIC NOTES"

Office of Naval Research, Branch Office, Navy No. 100 (Box 39),
Fleet P.O., New York, NY

About 200 summaries on European Scientific developments, conferences
each year are published monthly. Annual subject index. Since
1947. Prepared by London ONR Technical staff.

Monthly notes - 200/yr.

310

EVALUATION OF HIGH TEMPERATURE HYDROCARBON FUELS

Monsanto Chemical Company, Everett, Mass.

Originally started as a literature search, but maintained on punched
IBM cards. A listing of thermally stable organic compounds and
structures. AF supported.

6000 compounds and references

EXCERPTA MEDICA FOUNDATION

see:

"Abstracts of Soviet Medicine (Part A - Basic Medical Sciences)"

"Abstracts of Soviet Medicine (Part B - Clinical Medicine)"

311

EXPLOSIVES IGNITION INFORMATION CENTER

Technical Information Section, Picatinny Arsenal, Dover, NJ
(Army)

Limited to information on high-ignition of explosives (high order
only).

FABIAN CHEMICAL COMPANY

see:

Chemical Information Service

FEDERAL COMMUNICATIONS COMMISSION

see:

"Annual Reports"

"Administrative Bulletin No. 1 - List of Printed Publications"

"Technical Research Reports"

Office of the Chief Engineer - FCC

314

FEDERAL PACIFIC RESEARCH CENTER

Technical Library, 921 Providence Highway, Norwood, Mass.

Engineering, physical and chemical data relative to design and application of electrical components.

314A

FEDERAL TELEPHONE COMMUNICATIONS LABS

500 Washington Avenue, Nutley 10, NY

(International Telephone & Telegraph)

Industrial research organization with a capability in electronics/communications research. Maintains a catalog and collection of library literature, Government and industrial research reports and unpublished data in the field. Provides basic documents for distribution, makes abstracts, accession lists, answers specific technical questions, and furnishes consultation services.

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY

see:

Office of Biological Handbooks

315

"FEEDBACK"

5419 N Kenmore Street, Chicago 40, Ill.

Abstracts on computers and related technology from books, technical reports and 150 periodicals. Started 1957, annual author index.

Monthly - \$20.00/yr. - 700 abstracts/yr.

316

FERMCO LABORATORIES, INC.

4941 S Racine Avenue, Chicago 9, Ill. - 373-1212

Collects all published information on glucose oxidase and fungal catalase, develops modified enzyme preparations to suit end use. Consultation

317

FILTRON ENGINEERING LIBRARY

133-15 Fowler Avenue, Flushing 55, New York

Abstracts and catalogs information on interference and suppression methods, communications systems, microwave hazards.

Monthly bulletin

318

FINANCIAL STATUS REPORT OF CONTRACT (RCS: ARDC-C85)

Andrews AFB, Washington 25, DC

(AFSC)

Center, contract number, FY, program structure, project number and funds, total cumulative forecast, current and succeeding FY by quarters and to completion of contract.

319

FINE ORGANICS, INC.

205 Main Street, Lodi, NJ - GR 2-6800

Collects and correlates data on bactericidal and fungicidal chemicals with special interest given to quaternary ammonium compounds and halogenated phenolic compounds.

Consultation

320

FIRE PROTECTION COLLECTION

Grand Army Plaza, Brooklyn 38, NY - ST 3-2300

(Brooklyn Public Library)

Maintains a reference collection of books, pamphlets, manufacturers catalogs; periodicals pertaining to fire protection in its broadest concept.

Reference

321

"FIRE RESEARCH ABSTRACTS & REVIEWS"

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

(National Research Council)

Abstracts and reviews

322

FITZPATRICK COMPANY

50 Fort Hill Circle, Staten Island 1, New York - GI 7-7287

Maintains and publishes a bibliography on natural flight, ornithopter aircraft and related aerodynamics and engineering.

Bibliography

323

FLOWER & COOK OBSERVATORY

University of Pennsylvania, Philadelphia 4, Pa. - EV 6-0100

Collects all published and unpublished information on eclipsing binary stars.

Consultation - by request

324

FLYGFÖRVALTNINGEN MATERIAL DIVISION

Stockholm, Sweden

Publishes and maintains a file of translations into English of Scandinavian aeronautical and technical investigations. Publishes an index.

Index, translations of reports - by request

325

FOOD, CHEMICAL & RESEARCH LABORATORIES, INC.

1201 E 38th Street, Seattle 5, Washington - ME 3-1110

Makes critical literature surveys, trends of specific developments.

Covers fields of foods, fertilizers, pesticides, plastics, coatings, adhesives.

Consultation - fee

FOOD MACHINERY & CHEMICAL CORPORATION

see:

Technical Information Services

326

FOOTE MINERAL RESEARCH & DEVELOPMENT LIBRARY

Box 513, West Chester, Pa. - FO 3-6500

Collects all references on lithium metal and lithium inorganic compounds. Covers alloys, inorganic chemicals, minerals and lithium soaps.

Consultation

FORDHAM UNIVERSITY

see:

"ICRS Medical Reports"

Institute of Contemporary Russian Studies

327

FORD FORESTRY CENTER

Michigan College of Mining & Technology, L'Anse, Mich. - LA 4-3236

Focal point for long term results of controlled forestry practices.

Covers silvics, soils, silviculture, processing and related.

Consultation

328

FOREIGN SERVICE INFORMATION PROGRAM

National Science Foundation, Washington 25, DC - ST 3-2140

Identifying and determining availability of current foreign scientific information of value to US Scientists, translation and inter change of information. Guides and directives of scientific personnel and research organizations. Special information projects facilitating exchange.

329

FOREIGN TRADE, COMMERCE & ECONOMIC INFORMATION

Department of Commerce, Bureau Foreign Commerce, Washington 25, DC - ST 3-9200

Information and statistics on foreign economy, international trade, Government controls, and specific foreign firms covered in periodicals, reports and handbooks.

Reference

330

FOREST PRODUCTS LAB

Department of Agriculture, Madison, Wisc.

The function of the FPL is to conduct research on properties and uses of wood and wood fiber and associated products. Through a long-standing association with most of the national defense agencies, the FPL has engaged in cooperative research on aircraft materials (including adhesives, glass-fabric laminates, aluminum-glass-fabric, and other sandwich core materials and facings) on packaging for air and surface transportation, and on many other problems of military supply and maintenance.

Consultant

see also:

"Sandwich Construction for Aircraft (MIL Handbook 23 - Part II)"

"Plastics for Flight Vehicles (MIL Handbook 17 - Part I)"

"Composite Construction (MIL Handbook 23 - Part I)"

"Design Procedures (MIL Handbook 23 - Part III)"

331

FOREST PRODUCTS RESEARCH DIVISION

Michigan College of Mining & Technology, Houghton, Mich.

Gathers information pertinent to utilization of timber, covers wood technology, wood processing, economic studies.

Consultation

332

FOUNDATION FOR SCIENTIFIC LITERATURE DIFFICULT OF ACCESS

Doelenstraat 101, Delft, Netherlands

333

FPD TECHNICAL INFORMATION CENTER

General Electric Company, Bldg, 305, Cincinnati 15, Ohio

Subject: Flight Propulsion and related technologies, including physics, chemistry, mathematics, metallurgy and management.

Type: internal technical information series reports, data folders, data memoranda and miscellaneous publications, Government, industrial and university reports, selected journal articles, technical society preprints, and U.S. and German patents.

2,000

FRANKLIN INSTITUTE LABORATORIES

see:

"Bibliography on Gas Lubricated Bearings"

Gas Lubricated Bearings.

FRIEDMAN, MORRIS D., INC.

see:

"Russian Research in Computers and Mathematics:

334

"FRENCH BIBLIOGRAPHICAL DIGEST"

972 Fifth Avenue, New York 21, NY

(French Cultural Services)

Annual abstracts published approximately once a year, author index included.

Approximately once a year - by request

GALLAUDET COLLEGE

see:

"Central Index of Research Projects on the Deaf"

"Deafness, Speech & Hearing Abstracts"

335

"GAMMA RAY SPECTRUM CATALOGUE"

P.O. Box 2067, Idaho Falls, Idaho - JA 2-4400, ext. 4447

(Phillips Petroleum Company)

Develops standard techniques for spectrometry and experimental determination of information on nuclear level schemes for radioactive nuclides, prepares catalog for routine radiation measurement.

Catalogue

336

GAS CHROMATOGRAPHY ABSTRACTING SERVICE

80 E Jackson Blvd. Chicago 4, Ill.

(Charles Doak Lowry, Jr.)

Weekly informative abstracts, numerical classification by author and subject. All aspects of gas chromatography covering both American and foreign journals; the articles covered must have definite contributions to field of gas chromatography; articles simply mentioning a routine use of gas chromatography are not abstracted.

Unisort cards - by subscription

337

GAS LUBRICATED BEARINGS

20th Street & The Parkway, Philadelphia 3, Pa. - LO 4-3600

(Franklin Institute Laboratories)

Annotated bibliography of all published information on gas lubricated bearings. Questions organizations working on these bearings and circulated informal newsletter to contributing parties.

Bibliography, newsletter

GENERAL ANALINE & FILM CORPORATION

see:

"Ansco Abstracts"

Technical Information Services

338

GENERAL COMBUSTION COMPANY

901 N Oak Park Avenue, Oak Park, Ill. - VI 8-2006

Studies on combustion rates, explosion data, combustion chemistry, metallic coatings and reinforcing metals.

Consultant

GENERAL ELECTRIC

see:

Technical Information Center

FPD Technical Information Center

339

GENSIRYOKU KANKEI SIRYOMOKUROKU (INDEX TO LITERATURE ON ATOMIC ENERGY)

Siba-Tamaratyo 1-1, Minato-ku, Tokyo, Japan

(Nikon Gensiryoku Sangyo-kaigi)

An index to atomic energy information, started 1955.

Monthly - 3000 references/yr.

GEOLOGICAL SOCIETY OF AMERICA

see:

"Bibliography & Index of Geology Exclusive of North America"

GEOLOGICAL SURVEY

see:

"Publications of the Geological Survey"

340

GEOLOGY & PALEONTOLOGY OF ROCKY MOUNTAIN REGION

P.O. Box 8377, Denver 10, Colorado

(Petroleum Research Corporation)

Petroleum, geology, and paleontology of the Rocky Mountain region;

type: published and unpublished articles, including publications and unpublished reports of the U.S. Geological Survey, and theses.

10,500

341

"GEOPHYSICAL ABSTRACTS"

U.S. Geological Survey, Washington 25, DC

Quarterly, informative abstracts, quarterly and annual author, annual subject index. Geophysics, including age determination, exploration geophysics, gravity, heat volcanology, internal construction of the earth, magnetism and electricity, radioactivity, seismology, tectonophysics.

Abstracts - \$1.25 - 1600 abstracts

342

GEOPHYSICAL & POLAR RESEARCH CENTER

6021 S Highland Road, Madison, Wisc. - CE 8-6366

(University of Wisconsin)

Carries out and collects data on earth's crust, gravity, crystalline rock surface, ice thicknesses in polar regions and geology of polar regions.

343

GEORGE VANDERBILT FOUNDATION

Stanford University, Stanford, Calif. - DA 2-4409

Basic research and special projects in marine biology of Indo-Pacific area.

Consultation - fee or contract

GEORGE WASHINGTON UNIVERSITY

see:

"HumRRO Bibliography of Reports"

344

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta 13, Georgia - TR 4-6331

Maintains information on textile properties, physical sciences, psychology, engineering, bioengineering. Performs search service, reviews and compilation.

Consultation - fee

345

"GEOSCIENCE ABSTRACTS"

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100, ext. 516
(American Geological Institute)

Publishes abstracts of all geologic literature about or published in North America, including abstracts of foreign geologic literature translated and published in North America. Subject fields: geologic maps, areal and regional geology, geomorphology, structural geology, stratigraphy, historical geology, paleontology, geophysics, geochemistry, mineralogy, crystallography, petrology, geohydrology, mineral deposits, fossil fuels, and engineering geology.

Quarterly - \$65.00/yr. - 3,000 - 3,500 abstracts/yr.

346

"GMELIN HANDBUCH DER ANORGANISCHEN CHEMIE"

Max-Planck-Gesellschaft, Frankfurt/Main, Germany
(Gmelin Institut)

Covers all fields of chemistry outside of organic and life sciences, for example: inorganic, physical, corrosion, electrochemistry, etc. Provides reference service from own archives.

Handbook - fee

GMELIN INSTITUT

see:

"Beilstein"

"Gmelin Handbuch der Anorganischen Chemie"

Nuclear Energy Documentation

347

GOODRICH-HIGH VOLTAGE ASTRONAUTICS

S Bedford Street, Burlington, Mass. BR 2-1313
(High Voltage Engineering Corporation)

Survey of published domestic and foreign work in high voltage break-down phenomena, ion source and power conversion, some Russian literature included.

GOODYEAR AIRCRAFT CORPORATION

see:

Interplanetary Midcourse Guidance

348

GOULD-NATIONAL BATTERIES INC.

2630 University Avenue, SE, Minneapolis 14, Minn. FE 3-7101
Collects, develops, analyzes electrochemical data, performance
and material data on batteries and battery components.

GOVERNMENT PRINTING OFFICE

see:

"Monthly Catalog of United States Government Publications"

349

GOVERNMENT RESEARCH REPORTS

Office of Technical Services, Washington 25, DC - DU 6-1224
Covers all Government research reports and DOD, both internal and
contractual, which are unclassified. Abstracts, titles and
subject index.
Monthly listing - OTS

W. R. GRACE & COMPANY

see:

Chemistry Information Center

350

GROTH INSTITUTE

Pennsylvania State University, University Park, Pa. - UN 5-6353
Collects information on physical, chemical and crystal-structural
properties of solids. Prepares encyclopedia on crystallography.
Develops machine methods for storage and retrieval processes.
Punched cards, tape, reports - 1,000,000 cards

351

"GROUND LOADS (ANC-2)"

Aeronautical Standards Group, Washington 25, DC - OX 6-2926
Stress information.
Handbook

352

"GUIDE TO U.S. INDEXING & ABSTRACTING SERVICES IN SCIENCE &
TECHNOLOGY #101

301 E Capitol Street, Washington 3, DC - LI 4-4678
(National Federation of Science Abstracting & Indexing Service)
Published June, 1960. A listing categorically arranged, of regular
publications and/or information systems which provide indexing
and abstracting services in science and technology. Services
classified by subjects, which include: science and technology,
general; mathematics, physics, chemistry, biology, science of
man, medicine, earth sciences, agriculture, technology. Has
alphabetical indexes of titles and subjects.

353

"HANDEBOOK OF BIOLOGICAL DATA"

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100
(National Research Council)

Periodically revised original work in biological data files.

Army supported.

Handbook - obtain from ASTIA

354

"HANDEBOOK OF CHEMISTRY & PHYSICS"

2310 Superior Avenue, Cleveland 14, Ohio - SU 1-3880

(Chemical Rubber Publishing Company)

Maintains up-to-date information covering all phases of mathematics,
physics and chemistry exclusive of biological areas, revised
annually.

Annual - fee

355

HARRIS RESEARCH LABORATORIES, INC.

1246 Taylor Street, NW, Washington 11, DC

An industrial research firm covering research in every phase of
textiles; information is obtained from unpublished data, Govern-
ment, industrial and university publications all over the world.
Abstracts, consultation - by request

356

HARVARD COLLEGE OBSERVATORY

Harvard University, Cambridge 38, Mass. - UN 8-7600, ext. 2642

Collects transient astronomical data such as comets, novae, flare,
stars, etc.

HARVARD UNIVERSITY

see:

Dana's System of Mineralogy

Harvard College Observatory

357

HERCULES POWDER COMPANY

Technical Information Division, Hercules Powder Company, Wilmington,
Delaware

Chemical and physical chemistry information storage.

358

"HERO NEWSLETTER"

Weapons Development & Evaluation Lab., Naval Weapons Laboratory,
Dahlgren, Virginia

Covers electromagnetic radiation hazards.

Quarterly

359

HIBERNATION INFORMATION EXCHANGE

86 E Randolph Street, Chicago 1, Ill. - HA 7-4700

(Office of Naval Research)

Monthly liaison between authorities on natural mammalian hibernation. Distributes reprints of reports, actively seeks hibernation information.

360

"HIGH TEMPERATURE BIBLIOGRAPHY"

National Bureau of Standards, Washington 25, DC - EM 2-4040, ext. 488

Collects published information on high temperature chemistry and physics.

Irregular - by request

361

HIGH VOLTAGE ENGINEERING CORPORATION

S Bedford Street, Burlington, Mass. - ER 2-1313

Research nuclear physics, particle acceleration, biophysics, radiobiology, radiation chemistry, electron beam stabilization, neutron acceleration, radioisotope, solid state physics, radiation damage.

Consultation - fee

see also:

Goodrich-High Voltage Astronautics

HONEYWELL RESEARCH CENTER

see:

Thermal "Radiation Properties Survey"

362

"HUMAN ENGINEERING BIBLIOGRAPHY"

Tufts University, Medford, Mass.

Annotated references arranged by subject with author and subject indexes, started 1957. ONR-OSR sponsored.

Annual - obtain from ASTIA - 1400 references/yr.

363

HUMAN ENGINEERING INFORMATION AND ANALYSIS SERVICE

Institute for Psychological Research, Tufts University, Medford, Mass.

PR 6-3870

Collects, codes, indexes and abstracts literature pertinent to the subject of human engineering.

Abstracts

364

HUMAN ENGINEERING LABORATORY

Aberdeen Proving Ground, Aberdeen, Maryland - CR 2-4000, ext. 49283

(Army)

Collects all information relating to psychological processes and human factors to systems R&D.

365

HUMAN RELATIONS AREA FILES

333 Cedar Street, P.O. Box 2054, New Haven, Conn. - SP 7-2334
(Yale University)

Cross-cultural data seen from the viewpoint of the entire spectrum of social sciences. Searches library literature and unpublished data to set up cross-indexed extract file. Maintains basic documents for search and distribution or sale. Publishes abstracts and accession lists, and circulates copies of extracts to other interested agencies in universities.

Extracts

HUMBLE OIL & REFINING COMPANY

see:

Technical Information Section

366

"HUMRRO BIBLIOGRAPHY OF REPORTS"

George Washington University, Washington, DC - FE 8-0250
Annotated bibliography on the automation of instruction.

367

"HUNGARIAN TECHNICAL ABSTRACTS"

Szt. Istan'ter 4, Budapest 4, Hungary
(Orszagos Muszaki Konvytar)

4-5,000 abstracts in English or Hungarian Journals, arranged by subject, author in each issue and annual compilation.

Monthly - \$4.00/yr.

368

HYDRAULIC RESEARCH IN THE UNITED STATES

National Bureau of Standards, Washington 25, DC - EM 2-4040, ext. 7241
Collects information on hydraulic research in progress, published up-to-date references including research in progress.

369

HYDROGRAPHIC OFFICE

U.S. Navy Hydrographic Office, Washington 25, DC - RE 6-2700
(Navy Hydrographic Office)

Oceanographic data, oceanographic conditions, marine geophysics and nautical information pertaining to safety at sea. Prepares bibliographies of related areas.

370

HYPERSONICS FILE

Purdue University, Lafayette, Ind.

Hypersonics; type: internal reports, domestic and foreign research reports, journal articles, and Government documents.

371

"ICRS MEDICAL REPORTS"

Fordham University, New York 58, NY

Abstracts of Soviet medical and allied sciences, from 85 Soviet journals.

Monthly - \$10.00/yr. - 530 abstracts/yr.

IDA

see:

Advanced Research Projects Agency (ARPA)

IDEP

see:

Interservice Data Exchange Program

IGFVP

see:

Power Information Center

372

IGY WORLD DATA CENTER (AIRGLOW & IONOSPHERE)

Central Radio Propagation Lab, National Bureau of Standards,
Boulder, Colorado - HI 2-2161

Data collected, cataloged and prepared for analysis and distribution. Covers research on ionosphere, airglow, light measurement, astronomy, geophysics, photometers, exosphere, magnetic disturbances, and Van Allen Radiation belts.

Reports, consultation - fee

373

IGY WORLD DATA CENTER (COSMIC RAYS)

School of Physics, University of Minnesota, Minneapolis, Minn.
FE 2-8158

Connection of data on cosmic rays, measurement and related information. Data dissemination.

Question answering, reports - fee

374

IGY WORLD DATA CENTER (GEOMAGNETISM, GRAVITY & SEISMOLOGY)

Geophysics Division, U.S. Coast & Geodetic Survey, Washington 25, DC
WO 7-5741

Collection of data on geomagnetism, gravity and seismology, terrestrial magnetism, earthquakes and related areas. Data dissemination reports.

Question answering - fee

375

IGY WORLD DATA CENTER (GLACIOLOGY)

Broadway at 156th Street, New York 32, N.Y. - AD 4-8100
(American Geographical Society)

Collection of data on glaciers, ice formation, glaciology and related areas. Data dissemination (reports).

Question answering - fee

376

IGY WORLD DATA CENTER (INSTRUMENTAL OBSERVATION OF THE AURORA)

University of Alaska, College, Alaska - GR 9-2261

Collection of film data on aurora by upper atmosphere and surface observations. Includes instrumentation, astronomy, geophysics, all-sky film, spectrography film, and auroral data film.

Data dissemination (reports)

Question answering - fee

377

IGY WORLD DATA CENTER (LONGITUDE & LATITUDE)

Naval Observatory, Washington 25, DC

Collection of data on longitude, latitude, geography and related areas. Data dissemination (reports).

Question answering - fee

378

IGY WORLD DATA CENTER (METEOROLOGY & NUCLEAR RADIATION)

National Weather Records Center, Nashville, NC

Collection of data on meteorology, nuclear physics, radioactivity-absorption, nuclear physics, nuclear chemistry and related areas.

Data dissemination (reports).

Question answering - fee

379

IGY WORLD DATA CENTER (OCEANOGRAPHY)

Department of Oceanography & Meteorology, Texas A&M, College Station, Texas - VI 6-4791

Collection of data on oceanography, ocean currents, tides and related areas. Data dissemination (reports).

Question answering - fee

380

IGY WORLD DATA CENTER (ROCKETS & SATELLITES)

NAS/NRC - 2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100, ext. 484

National Research Council

Collects and stores data and reports originating from flights of rockets and satellites connected with IGY and IGC. Mandate for collection to continue under "COSPAR". Raw data stays with organization originally sponsoring payload or flight, while center receives published and unpublished reports of results. Has published 2 series of reports, and publishes a catalog of new holdings each six months. Data dissemination (reports).

Reports, reprints. Order from center - approx. 1000

381

IGY WORLD DATA CENTER (SOLAR ACTIVITY)

High Altitude Observatory, University of Colorado, Boulder, Colorado - HI 3-2211

Collection of data on solar eclipses, solar system, and related areas.

Data dissemination (reports).

Question answering - fee

382

IGY WORLD DATA CENTER (VISUAL OBSERVATIONS OF THE AURORA)

Physics Department, Cornell University, Ithaca, New York
Collection of data in fields of upper atmosphere, astronomy,
geophysics and geography. Data dissemination (reports)
Question answering - fee

383

IMMUNOLOGY FILE

Fort Detrick, Frederick, Maryland
(Army Biological Warfare Labs)
Immunology of tularemia; type: records of case histories of
tulaemia.
15,000

IMPERIAL CHEMICAL INDUSTRIES, LTD.

see:

"Titanium Abstract Bulletin"

384

"INDEX AERONAUTICS"

Technical Information & Library Services, Ministry of Aviation,
London, England
Abstracts of books, journals, translations, reports, patents,
etc., covering aeronautical sciences. Started 1945, arranged
by title with semi-annual author and title indexes.
Monthly - British Joint Services Mission, 1800 K St., Wash 6, DC.
3500 abstracts/yr.

385

"INDEX-CATALOGUE OF MEDICAL & VETERINARY ZOOLOGY"

Department of Agriculture, Beltsville, Md.
Annually, author entries arranged alphabetically; annual supple-
ment. Animal, medical and veterinary parasitology, including
parasitic protozoa, trematoda, cestoda, nematoda, acanthocephala,
arthropods, and minor groups together with their invertebrate
and vertebrate hosts, treatment of the diseases caused by
parasites, and plant nematology.
Index, journals, author entries - 11,000

386

"INDEX CHEMICUS"

1122 Spring Garden Street, Philadelphia 23, Pa.
(Institute for Scientific Information)
Reference to new chemicals with molecular and structural formulae
with quarterly and annual cumulations. Started 1960.
Monthly, 50,000 references/yr.

386A

"INDEXING & ABSTRACTING SERVICES (A GUIDE TO U.S.)"

301 E Capitol Street, NW, Washington 25, DC

(National Federation of Science Abstracting & Indexing Service)

A comprehensive listing of indexing and abstracting services and publications in all areas of science and technology as of June

60. (Report #101 out of print; to be followed by publication

listing world abstracting and indexing services). Following

areas are covered: science and technology (general), mathematics,

physics, chemistry, biology, science of man, medical, earth

sciences, agriculture, technology. Title and subject index.

Brief abstracts of services - find publication in Library or contact
NFSAIS.

386B

INDEXING FUEL AND LUBRICANT ADDITIVES

Information Services Division, Ethyl Corporation, Detroit, 20,
Mich.

Subject: information on additives used for any purpose in hydro
carbon, oxygenated hydro carbon fuels, or in natural or synthetic
lubricants. Type: U.S., British, French, and German patents,
Ethyl Corp., technical reports and selected periodical
literature.

150,000 punched cards

386C

"INDEX MEDICUS"

701 Independence Avenue, SW, Washington 25, DC - WO 3-110

(National Library of Medicine).

World-wide collection of medical research reports. Photo copy
and intra-library loan, publication of abstracts.

Monthly listing of abstracts - \$20.00/yr. - 120,000 references/yr.

387

"INDEX OF AEDC TECHNICAL NOTES & REPORTS"

Arnold Engineering Development Center, Tullahoma, Tenn. - GL 5-2611

A periodically revised index of the technical reports and notes
published by the center.

Index

388

"INDEX OF AEL TECHNICAL PUBLICATIONS"

Aeronautical Engineering Lab., Naval Air Material Center, Phila-
delphia, Pa.

Naval Air Material Center

Index

389

"INDEX OF NASA TECHNICAL PUBLICATIONS"

1520 H Street, NW, Washington 25, DC

(National Aeronautics & Space Administration)

Lists references to aeronautical and space research of interest with
author and subject indexes with decimal classification. Started
1950. Annual - by request - 700 references/yr.

390

"INDEX OF NAVAL PROVING GROUND TECHNICAL REPORTS"

Naval Proving Ground, Dahlgren, Va.

An index of technical reports with alphabetical subject, author and title indexes. Covers technical reports of the Proving Ground.

Index

"INDEX OF OPERATIONS ANALYSIS REPORTS"

see:

Operations Analysis Office

391

"INDEX OF PUBLICATIONS"

Naval Training Device Center, Port Washington, NY

An index of publications outside the field of Human Engineering which the center publishes.

Index

392

"INDEX OF PUBLICATIONS"

1700 Main Street, Santa Monica, Calif.

(Rand Corporation)

Abstracts of unclassified reports, memoranda, papers and translations.

Author and subject indexes in each issue. Annual revision. Covers all aero/astrosciences including military sciences.

By request

393

"INDEX OF RESEARCH REPORTS - SAM"

USAF Aerospace Medical Center, Brooks AFB, Texas

(School of Aviation Medicine)

Index covering research reports from all fields of life sciences, applicable to human beings, veterinary information, statistics.

395

"INDEX TO RCA TECHNICAL PAPERS"

RCA Laboratories, Princeton, NJ

(Radio Corporation of America)

Index of all technical papers and books by authors affiliated with RCS and subsidiaries. Author, subject and chronological indexes, started 1919. Covers technical areas of interest to RCA.

Annual - \$2.00/yr. - 300 entries/yr.

396

"INDEX TO SHOCK & VIBRATION BULLETINS"

Asst. Secretary of Defense, R&E, Washington 25, DC

(Department of Defense)

An index of the bulletins covering shock and vibration.

Index

397

"INDEX TO THE LITERATURE ON SPECTROCHEMICAL ANALYSIS"

1916 Race Street, Philadelphia 3, Pa.

(American Society for Testing Materials)

Emission spectrochemical analysis, abstracts with author and subject indexes.

Irregular - by subscription - 500 abstracts/yr.

398

"INDEX TO U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY USNRDL SERIES REPORTS"

U.S. Naval Radiological Defense Laboratory, San Francisco 24, Calif.
(Naval Radiological Defense Laboratory)

Abstracts of reports of USNRDL with numerical, author and subject indexes, latest revision, July 1959.

Irregular - USNRDL - 452 reports

399

"INDEX TRANSLATIONUM"

Place de Fontenoy, Paris VIIe, France

(United National Economic Social Cultural Organization-UNESCO)

About 30,000 references per year of translations from 64 countries.

Arranged by subject under the country of publication, author index. Published annually since 1948.

Annual edition - \$18.50/yr.

402

INDIAN SCIENCE DOCUMENTATION CENTRE

National Physics Laboratory, Hillside Road, New Delhi, India

(Indian Science Documentation Centre)

Has bibliographic, microfilming, photocopying and inquiry services.

Has translation capabilities.

402

"INDICATIVE ABSTRACTS OF RUSSIAN CHEMICAL JOURNALS"

Drawer 271, E Orange, NJ

(Associated Technical Services, Inc.)

Translations of chemical journals, abstracts of Soviet journals.

Abstracts

404

"INDICE DI PERIODICI SCIENTIFICI E TECNICI"

7 Piazzale delle Scienze, Rome, Italy

(Centro Nazionale di Documentazione Scientifico-Technico)

Collects books, pamphlets, about 3000 periodicals and Italian patents.

Prepares literature searches and translations.

Index, photocopy of stored material - thru Italian Embassy -

200,000 books, periodicals

INDUSTRIAL COLLEGE OF THE ARMED FORCES

see:

"Catalog of Publications"

405

INDUSTRIAL INFORMATION SERVICES

Stanford Research Institute, Menlo Park, Calif. - DA 6-6200
Data on chemical and allied products, industry, collects, re-organizes and publishes.
Data

406

"INDUSTRIAL RESEARCH LABORATORIES OF THE UNITED STATES"

2101 Constitution Avenue, Washington 25, DC - EX 3-8100
National Research Council
A comprehensive listing of industrial laboratories performing R&D in the United States.
Irregularly revised (3-4 yrs.) - \$12.00/volume

407.

"INDUSTRIE DES PLASTIQUES MODERNES"

40 rue du Colisee, Paris 8, France
(Les Publications Techniques Associees)
Abstracts in French covering chemistry, physics and technology of plastics, started 1949, with annual author and subject indexes.
Monthly - \$8.60/yr. - 1500 abstracts/yr.

408

INFORMATION ANALYSIS SERVICE

Tufts University, Medford, Mass.
Acquisition, collation, coding and description abstracting of research studies in physiological engineering and experimental psychology to meet the needs of scientists engaged in basic and applied research in these areas. OAR (OSR - SRUB), Dr. Hutchinson.

409

INFORMATION CENTER

Central Research Labs., Air Reduction Company, Inc., Murray Hill, NY - 464-2400
Physical, chemical data on polymers, plastics, cryogenics, gases, metallurgy, and welding. Information on loan.
Consultation

410

INFORMATION CENTER

Economics Laboratory, Inc., Quadrian Building, St. Paul 1, Minn.
CA 4-9471
Collects information on detergents and allied subjects.
Consultation

411

INFORMATION CENTER ON MOLYBDENUM DISULFIDE AND SOLID LUBRICANTS

28 Rue Saint Dominique, Paris 7e, France

INFORMATION FOR INDUSTRY, INC.

see:

"Uniterm Index of U.S. Chemical Patents"

"Uniterm Electronics Patents Service"

412

INFORMATION ON SOVIET BLOC INTERNATIONAL GEOPHYSICAL COOPERATION

Department of Commerce, Washington 25, DC - ST 3-9200

From 1000 to 1500 reviews a year of technical journals, books, reports, speeches, etc. Published weekly since 1960 on geophysics and related technology.

Weekly review - OTS - \$12.00/yr.

413

INFORMATION SECTION

Research & Development Division Library, Consolidation Coal Company, Philadelphia, Pa. - TE 5-4400

Collects chemical and physical data on coal, its products and processes.

Consultation

414

INFORMATION SERVICE

314 Albert Street, E Melbourne, C-2, Victoria, Australia

(Australia Commonwealth Scientific & Industrial Research Organization)

An information service covering the Commonwealth Index to unpublished scientific and technical translations.

Information service

415

INFORMATION SERVICE IN SILICATE SCIENCE

University of Toledo, Toledo 6, Ohio - JE 1-1451, ext. 332

Information service covering published references.

416

INFORMATION SERVICES

Michigan State University, East Lansing, Michigan - ED 2-1511, ext. 3061

Disseminates information on the R&D activities of the university, including communications, petroleum, fuels, non-metallic materials.

417

INFORMATION SPECIAL

P.O. Box 21012, Stockholm 21, Sweden

Provides current information on European R&D.

418

"INFRARED: A BIBLIOGRAPHY"

OTS, Department of Commerce, Washington 25, DC

(Science & Technology Division, Library of Congress)

Part I - 1954, 374 pages, 5541 items, PB 111643, \$3.00. Part II -

1957, 150 pages, 1600 items, PB 121998, \$3.00.

Books, order from OTS

419

INFRARED INFORMATION & ANALYSIS GROUP

Willow Run Labs, University of Michigan, Ypsilanti, Michigan
Evaluation reports, annotated bibliographies, monography.

Collects, analyzes and disseminates infrared technology data with emphasis on military problems. A-N-AF supported, includes thermal radiation, rocket radiation, cryogenics, optics, solid state physics and related areas. Prepares summary evaluation reports.

Bibliographies, monography - DOD need-to-know

420

INFRARED SPECTROSCOPY

Dow Chemical Company, Midland, Michigan

Infrared spectroscopy, applications, physics, chemicals (infrared identification of mixtures).

INSTITUT D'OPTIQUE THEORIQUE ET APPLIQUEE

see:

"Revue d'Optique"

INSTITUTE FOR DIVERSE ANALYSIS (IDA)

see:

Advanced Research Projects Agency (ARPA)

422

INSTITUTE FOR RESEARCH IN VISION

1314 Kinnear Road, Columbus 12, Ohio - CY 3-1264

Collects all published information on the effects of high energy radiation on vision. Publishes bibliographies with critical reviews.

Consultation

423

INSTITUTE FOR SCIENTIFIC INFORMATION

33 South Seventeenth Street, Philadelphia 3, Pa. - PO 5-7818

Covers chemistry, mathematics, and physics. Survey and tear sheet service. Covers international sources.

INSTITUTE FOR SCIENTIFIC INFORMATION

see:

"Current Contents of Space & Physical Sciences"

"Index Chemicus"

424

INSTITUTE FOR SYSTEMS RESEARCH

University of Chicago, Chicago 37, Ill. - MI 3-0800

Prepares bibliographies and summaries on contract. Covers such areas as hydrodynamics, optimum re-entry, systems evaluation, air weapons, atmospheric scintillation, aerodynamics.

Bibliographies - fee

INSTITUTE FOR SYSTEMS RESEARCH

see:

"Aerodynamic Studies: Forces acting on an Air Vehicle, a Review"

INSTITUTE OF APPLIED EXPERIMENTAL PSYCHOLOGY

see:

"Human Engineering Bibliography"

425

INSTITUTE OF CARIBBEAN STUDIES

University of Puerto Rico, Mayaguez, Puerto, Rico - 1030

Collects information on current research in the Caribbean region on geology, biology and meteorology.

426

INSTITUTE OF CONTEMPORARY RUSSIAN STUDIES

Box AA, New York 58, NY - FO 7-5400

(Fordham University)

Soviet research trends in medical and allied areas is reviewed.

INSTITUTION OF ELECTRICAL ENGINEERS

see:

"Physics Abstracts"

427

INSTITUTE OF INDUSTRIAL HEALTH

1634 University Hospital, Ann Arbor, Michigan - NO 3-1531, ext. 7201

Disseminates research results on industrial hygiene, air pollution, toxicology and instrumentation with related areas.

INSTITUTE OF METALS

see:

"Metallurgical Abstracts: General and non-Ferrous"

428

INSTITUTE OF POLAR STUDIES

125 South Oval Drive, Columbus 10, Ohio - CY 3-1531

Research on polar regions particularly ice, glacial information.

INSTITUTE OF RADIO ENGINEERS

see:

"Bibliography on Medical Electronics"

"IRE Proceedings"

"IRE Cumulative Index"

"IRE Transactions"

429

INSTITUTE OF SCIENTIFIC RESEARCH

New Mexico Highlands University, Las Vegas, New Mexico - GA 5-7511

Collects and collates physical chemical data on biochemical compounds, psycho-pharmacological compounds and thermophysical properties of heat storage materials.

430

INSTITUTE OF TEXTILE TECHNOLOGY

Charlottesville, Va.

Research related to textile materials and processes. Supported by textile industry. Maintains card indexed collection of literature, government and industrial reports. Documents are available for search, distribution and sale. Organization publishes abstracts, accession lists, review reports, compilations; provides answers to technical questions and affords consultation services.

INSTITUTE OF THE AEROSPACE SCIENCES

see:

"Journal of Aerospace Sciences"

"Aerospace Engineering"

Pacific Aeronautical Library Uniterm Index

"International Aerospace Abstracts"

431

INSTITUTE OF THE AEROSPACE SCIENCES

2 East 64th Street, New York 21, NY - TE 8-3800

Maintains books, periodicals, reports on aerospace sciences information. Publishes "International Aerospace Abstracts", a review of world-wide technical literature, "Engineering Review", the official organ of IAS. Also publishes "Aerospace". Maintains "Pacific Aeronautical Library Uniterm Index".

Indexes, abstracts, photocopies - 14,000 books, 50,000 reports

431A

INSTITUT FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS

2 Rue de Lubeck, Paris, France

Fuels and lubricants.

432

INSTRUMENTATION ABSTRACTS

80 E Jackson Blvd. Chicago 4, Ill.

Abstracts covering all areas of instrumentation. Started 1960, from books, technical reports, patents and 100 periodicals.

A card file.

Weekly - \$600/yrs. - 3000 abstracts/yr.

433

INSULATION INFORMATION CENTER

441 Lexington Avenue, New York 17, NY

(National Insulation Manufacturing Association)

Collects and correlates data on mineral thermal insulations for industrial and commercial use.

INTERAGENCY GROUP FOR FLIGHT VEHICLE POWER

see:

Power Information Center

434

INTERAVIA

Geneva, Switzerland

Listings of administrations, organizations, companies, addresses and names of individuals arranged alphabetically, analytically, by word indicator, and by individual with addresses. Started 1952, word indicators are in five languages.

Annual - 34,000 organizations/yr., 38,000 individuals/yr.

435

INTERFERENCE MEASUREMENT LABORATORY, INC.

850 Shepherd Avenue, Brooklyn 8, New York - NI 9-3030

Radio interference research, evaluation, suppression and design for conformance with government specifications, covers electronic and electro-mechanical components.

436

"INTERNATIONAL ABSTRACTS OF BIOLOGICAL SCIENCES"

122 E 55th Street, New York 22, NY

(Pergamon Press)

Quarterly, anatomy, animal behavior, biochemistry, biophysics, cytology, experimental botany, experimental zoology, genetics, immunology, microbiology, odontology, pathology, pharmacology, physiology.

Abstracts - 6,300/yr.

437

"INTERNATIONAL AEROSPACE ABSTRACTS"

2 E 64th Street, New York 21, NY

(Institute of the Aerospace Sciences, Inc.)

Collects and prepares abstracts from current unclassified technical aeronautical literature. Scientific fields include: acoustics, aerodynamics and fluid mechanics, aeroelasticity, electronics, fuels and lubricants, instruments, missiles and rockets, nuclear energy, power plants, propellers, research and research facilities, rotating wing aircraft, space travel, structures, and thermo dynamics.

INTERNATIONAL ASTRONOMICAL UNION

see:

Minor Planet Center

INTERNATIONAL ATOMIC ENERGY AGENCY

see:

"World Directory of Nuclear Reactors"

INTERNATIONAL BUSINESS MACHINES CORPORATION

see:

Space Guidance Center

438

INTERNATIONAL CENTER FOR TRANSLATION FROM EAST EUROPEAN COUNTRIES
University of Delft, Technical Library, Delft, Netherlands
Index of available translations and a bulletin of new additions
of OEECD (Organization for European Economic Cooperation and
Development) countries.
Index and bulletins

439

INTERNATIONAL ORGANIZATIONS SECTION

General Reference Division, Library of Congress, Washington 25, DC
ST 3-0400, ext. 797

Gathers, organizes and disseminates for reference and use, information about international organizations and their publications and meetings. Specializes in fields of science (natural and social), technology, agriculture medicine, cultural affairs, commerce, business and politics. Publication: "World List of Future International Meetings"; May 61-Apr 64. Part I: Science, Technology, Agriculture and Medicine. Part II: Social, Cultural, Commercial, Humanistic.
Publications - GEO - Part I 70¢, Part II 50¢

440

INTERNATIONAL PERMANENT COMMITTEE FOR MICROBIOLOGICAL INFORMATION
State University of Iowa, Iowa City, Iowa
American reference to this committee.

INTERNATIONAL PHYSICAL INDEX, INC.

see:

"Physics Express"
"Electronics Express"
"Power Express"
"Automation Express"

441

"INTERNATIONAL TECHNICAL TITLES"

11261 Venice Blvd. Los Angeles 66, Calif.

(Technical Library Associates)

Lists titles of articles from 140 journals; started 1959, includes a subject index, cross reference.

Monthly listing - subscription

INTERNATIONAL TELEPHONE & TELEGRAPH

see:

Federal Telephone Communications Labs.

INTERSCIENCE PUBLISHERS, INC.

see:

"Synthetic Methods of Organic Chemistry"
"American Documentation"
"Journal of Polymer Science"

INTERSCIENCE PUBLISHERS, INC. (Cont'd)

"Microchemical Journal"

"Resins-Rubbers-Plastics"

442

INTERPLANETARY MIDCOURSE GUIDANCE

Goodyear Aircraft Corporation, Akron, Ohio

Determination and solution of problems in integrated guidance systems, including operational factors, equipment reliability, space environment and human factors. A continuing literature survey.

INTERSERVICE BALLISTIC MISSILE & SPACE VEHICLE AGENCIES

see:

Interservice Data Exchange Program

444

INTERSERVICE DATA EXCHANGE PROGRAM (IDEP)

Aerospace Corporation, El Segundo, Calif.

A-N-AF-ARPA sponsored. Collects, edits and disseminates the results obtained by the ballistic missile and space system reliability testing programs. Monthly bibliography, report summary, summary cards with microfilm of reports.

445

INTER-SOCIETY CORROSION COMMITTEE

1061 M&M Building, Houston 2, Texas

Maintains information on corrosion, metallurgy.

446

INVENTION, INCORPORATED

Munsey Building, Washington 4, DC

Weekly abstracts, patents and technical reports, subject index, all technical subjects.

Abstracts, reports, indexes. - order - 4000 abstracts/yr.

447

"INVENTIONS WANTED BY ARMED FORCES - CUMULATIVE LIST"

Department of Commerce, Washington 25, DC - ST 3-9200, ext. 3024

(National Inventors Council & Department of Commerce)

A listing of individual requests from the Armed Forces R&D agencies for assistance in certain technical areas.

Periodical publication - OTS

448

"IODINE ABSTRACTS AND REVIEWS"

120 Broadway, New York 5, NY

(Chilean Iodine Educational Bureau, Inc.)

Abstracts from 100 journals plus some patents. Covers broad technical interests in iodine. Started 1949.

Quarterly - by request - 800 abstracts/yr.

449

IONICS, INCORPORATED

152 Sixth Street, Cambridge 42, Mass. - UN 4-3500

Covers work on ion exchange membranes, electrodialysis, electrochemistry, semipermeable membranes.

Advises, consults

450

IOWA AGRICULTURAL EXPERIMENTAL STATION

Iowa State College, Ames, Iowa

Computing of inbreeding relationship coefficients from complete pedigree, heredity.

IOWA STATE COLLEGE

see

"Iowa Agricultural Experimental Station

451

"IRE CUMULATIVE INDEX"

1 East 79th Street, New York 21, NY

(Institute of Radio Engineers)

Author and subject references on technical reports in the area of electronics engineering and sciences. Started 1913.

Quinquennial index - \$3.00 - 7500/5 yrs.

452

"IRE PROCEEDINGS"

1 East 79th Street, New York 21, NY

(Institute of Radio Engineers)

Electronics engineering and research, broad area coverage, covers about 200 journals. Started 1946, annual subject and author indexes.

Monthly - \$18.00/yr. - 400 abstracts/yr.

453

"IRE TRANSACTIONS"

1 East 79th Street, New York

(Institute of Radio Engineers)

Several quarterly abstract publications, circuit theory, on electronic computers, and human factors in electronics. Covers specific electronic engineering and applications in very restricted areas.

Quarterly - subscription

454

JAPAN INFORMATION CENTER OF SCIENCE & TECHNOLOGY

15 Itibantyo, Tiyoda-ku C.P.O. Box 1478, Tokyo, Japan

Abstracts of 1000 Japanese journals, reports, proceedings and patents. Collects 2000 foreign journals. English abstracts, translations, literature searches and photocopy.

fee

456

"JERNKONTORETS LITTERATUROVERSIKT"

Kungstradgardsgatan 6, Stockholm C, Sweden

Abstracts, in Swedish, covering metallurgy and corrosion from books, reports and about 100 journals. Started 1949 with annual author index.

Monthly - \$5.50/yr. - 2300 abstracts/yr.

JET PROPULSION LABORATORY (NASA)

"Library Additions"

Astronautics Information Abstracts and Index

Astronautics Information/Literature Search

Astronautics Information/Open Literature Survey

457

JOHN CRERAR LIBRARY

86 E Randolph Street, Chicago 1, Ill. - AN 3-6660

Maintains books and periodicals of technical references. Literature searches and answering service (fee). Photocopies and hard copies of translations.

Abstracts, photocopies, publications - available to public
see also:

"Crerar Metals Abstracts"

JOHNS HOPKINS UNIVERSITY

see:

Liquid Propellant Information Agency

Solid Propellant Information Agency

"Cumulative Current Abstracts"

458

"JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHEMIE BIOLOGIQUE"

11 rue Pierre Curie, Paris V, France

(Societe de Chimie Physique

Abstracts covering physical chemistry and biological physical chemistry. Started 1903.

Monthly - 4000 francs/yr. - 6000 abstracts/yr.

459

"JOURNAL OF AEROSPACE SCIENCES"

2 East 64th Street, New York 21, NY

(Institute of the Aerospace Sciences)

Publishes papers based on original research.

Monthly journal

460

"JOURNAL OF AMERICAN MEDICAL ASSOCIATION"

535 N. Dearborn Street, Chicago 10, Ill.

(American Medical Association)

Abstracts on informative reports in all fields of medicine.

Started 1899, author and subject indexes.

Weekly - \$15.00/yr. - 2600 abstracts/yr.

462

"JOURNAL OF FLUID MECHANICS"

Cambridge University Press, New York, NY

An international research periodical devoted exclusively to theoretical and experimental research investigations of all aspects of fluid mechanics. The subjects include: hydrodynamics (both laminar and turbulent flows); subsonic, supersonic, and hypersonic gas dynamics; wave motions; heat transfer; magnetohydrodynamics, etc.

Journal

463

"JOURNAL OF MAMMALOGY - SECTION: RECENT LITERATURE"

U.S. National Museum, Washington 25, DC

Quarterly, author classification. Any articles dealing with mammalogy except experimental physiology and veterinary medicine. Includes taxonomy, nomenclature, morphology, physiology (except experimental research) paleontology, ecology, genetics, epidemiology, and popular natural history.

464

"JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY & IMMUNOBIOLOGY"

122 E 55th Street, New York 22, NY

(Pergamon Press)

Monthly, from Russian journals. Microbiology, infection, immunology, antibiotics, typhoid, dysentery, cholera, encephalitis, epidemic, parotitis, infectious, mononucleosis and listerellosis, etc.

465

"JOURNAL OF NUCLEAR ENERGY"

122 E 55th Street, New York 22, NY

(Pergamon Press)

Abstracts and titles of future papers from the Russian journal

"Atomnaya Energiya". Started 1954, no index.

Quarterly - \$20.00 - 100 abstracts/yr.

466

"JOURNAL OF ORAL SURGERY, ANESTHESIA & HOSPITAL DENTAL SERVICE"

222 E Superior Street, Chicago 11, Ill.

(American Dental Association)

Bimonthly, informative abstracts, annual subject and author indexes.

Journals, indexes - \$10.00 - 60/yr.

467

"JOURNAL OF POLYMER SCIENCE"

250 Fifth Avenue, New York 1, NY

(Interscience Publishers, Inc.)

Abstracts and summaries of articles appearing in the Russian journal "High Molecular Weight Compounds". Started 1959, no index.

Eight issues/yr. - \$17.50/yr. - 185 abstracts/yr.

468

"JOURNAL OF SPACE FLIGHT"

9450 119th Street, Whiting, Indiana

(Chicago Rocket Society)

Started 1948, covers rocket abstracts.

Monthly - \$2.75/yr. - 500 abstracts/yr.

469

"JOURNAL OF STEEL CASTINGS RESEARCH"

606 Terminal Tower, Cleveland 13, Ohio - MA 1-7350

(Steel Founders Society of America)

Abstracts on research topics relative to steel foundry practices, covers books, and 50 periodicals. Started 1960, with author and subject indexes.

Quarterly - 50 abstracts/yr.

470

"JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA"

335 E 45th Street, New York 17, NY

(Acoustical Society of America)

Information on acoustics, book reviews, references on papers and review of patents. About 2600 references a year, 800 patent abstracts. Subject arrangement, published monthly, since 1937. Includes ear and hearing acoustics, instruments and apparatus, musical instruments, speech and singing, ultrasoincs, underwater sound and so forth.

Monthly reference list - \$18.00/yr.

471

"JOURNAL OF THE AMERICAN CERAMIC SOCIETY"

4055 N High Street, Columbus 14, Ohio

(American Ceramic Society)

Abstracts on ceramics from books, technical reports, patents and about 400 journals. Started 1922, annual author and subject indexes.

Monthly - \$20.00/yr. - 4000 abstracts/yr.

472

"JOURNAL OF THE AMERICAN OPTOMETRIC ASSOCIATION"

4030 Chouteau Avenue, St. Louis 10, Mo. - OL 2-1776

(American Optometric Association, Inc.)

Monthly, collects and maintains files of published information on optometry, physiological optics, and vision, especially as related to such areas as safety, efficiency, performance, and general welfare. Subject fields: occupational and industrial vision, motorists' vision, highway safety, clinical techniques, contact lenses, orthoptics and visual training, ophthalmic standards, vision and aging, visual problems of children and youth.

Journal, abstracts, indexes - \$7.50/yr. - \$100-130

473

"JOURNAL OF THE BRITISH INTERPLANETARY SOCIETY"

1200 Bessborough Gardens, London SW1, England

(British Interplanetary Society)

Abstracts on aerospace sciences from reports, patents and about 100 journals. Started 1946, annual author and subject indexes.

Bi-monthly - \$5.60/yr. - 250 abstracts/yr.

474

"JOURNALS OF THE ROYAL AERONAUTICAL SOCIETY"

4 Hamilton Place, London W1, England

(Royal Aeronautical Society)

Abstracts from technical reports on aerodynamics and related technical areas. Started 1897, covering technical reports and about 25 journals.

Monthly - \$17.50/yr. - 500 abstracts/yr.

475

"JOURNAL OF THE SOCIETY OF GLASS TECHNOLOGY"

"Thornton", Hallam Gate Road, Sheffield 10, England

(Society of Glass Technology)

Abstracts from journals and patents covering silicates, glass, ceramics, optics, plastics and related areas. Started 1917.

Bi-monthly - \$11.20/yr. - 1000 abstracts/yr.

"JOURNAL OF UNDERWATER ACOUSTICS"

see:

"Navy Journal of Underwater Acoustics"

KANSAS STATE UNIVERSITY

see:

Engineering Experiment Station

476

KARL M. FOX CONSULTING SERVICE

300 Yale Avenue, Swarthmore, Pa. - KI 3-2801

Collects, stores and distributes technical and scientific publications and trade literature in rubber, plastics, papers, textiles, and Government regulations.

Consultation - fee

477

LABORATOIRE DE MECANIQUE DES FLUIDES
46 Avenue Felix-Viallet, Grenoble, France
Hydrodynamics.

478

LANDOLT-BORNSTEIN, ZAHLENWERTE UND FUNKTIONEN AUS PHYSIK,
CHEMIE, ASTRONOMIE, GEOPHYSIK, TECHNIK"
Springer-Verlag, Berlin, Germany
Important fundamental properties of physics, chemistry, astronomy,
geophysics, and technology. Directory of Continuing Numerical
Data Projects, Office of Critical Tables, 1961, NAS/NRC
Publication 837.
Book of tables and graphs

479

LAWALL & HARRISSON RESEARCH LABORATORIES
1921 Walnut Street, Philadelphia 3, Pa.
Data on gastro-intestinal drugs, enzymes as drugs and food additives.

480

LAWRENCE RADIATION LABORATORY
Box 808, Livermore, Calif. - HI 7-1100
(Atomic Energy Commission)
Collects, collates, evaluates all experimental data on measure-
ments of neutron cross sections from 1/1000 to 15 MEV.
Consultant

481

LEAD INDUSTRIES ASSOCIATION
60 E 42nd Street, New York 17, NY
National trade association collecting technical and statistical
information on lead and lead products and their application.
Operates an expanded research program jointly with American
Zinc Industries. Maintains abstracts, catalogs and documents
pertaining to industrial, Government and unpublished research.
Furnishes abstracts, accession lists, review reports, answers
to technical questions and consultation services.

482

LE CENTRE D'INFORMATION DE L'INFRA-ROUGE (C.I.R.)
1 rue Gaston-Boissier, Paris XVe, France
(Le Groupement pour l'Avancement des Methodes Spectrographiques
(G.A.M.S.)
Organic and inorganic compounds. Infrared absorption spectra.
Directory of Continuing Numerical Data Projects, Office of
Critical Tables, 1961, NAS/NRC Publication 837.
Looseleaf sheets

483

"LECTRODEX"

P.O. Box 629, Mineola, NY
(Radio Magazine, Inc.)

An index covering electronics articles from 25 journals, each issue is a cumulative index for the year. Started 1947.
Bimonthly index - \$3.00/yr. - 2200 entries/yr.

LE GROUPEMENT POUR L'AVANCEMENT DES METHODES SPECTROGRAPHIQUES
(GAMS)

see:

Le Centre d'Information de l'Infra-rouge (CIR)

LES PUBLICATIONS TECHNIQUES ASSOCIEES

see:

"Industrie des Plastiques Modernes"

484

"LIBRARY ADDITIONS"

4800 Oak Grove Drive, Pasadena, Calif. - SY 0-6811
(Jet Propulsion Laboratory - NASA)

Weekly including 14,000 abstracts a year on reports, papers, books, patents. Arranged by subject.
Weekly Abstracts

485

LIBRARY & REFERENCE SERVICE

Office of Technical Services, Washington 25, DC - DU 6-1224
Performs literature search and assistance on Government research reports including DOD, AEC, etc. Library and catalog cards are maintained by source, author, title, subject, series and contract number.
Reference and survey - by request - 800,000 cards

485A

"LIBRARY BULLETIN"

New Jersey Zinc Company, Palmerton, Pa.
Abstracts in inorganic chemistry, zinc and titanium metallurgy and paint technology. Covers about 200 journals; started 1918.
Semimonthly - by request - 1200 abstracts/yr.

486

LIBRARY OF CONGRESS

1st Street, SE, Independence & E Streets, Washington 25, DC
ST 3-0400

"National Union Catalog"- cards locating research materials in 700 North American Libraries. Published in book form.
"Photoduplication Service" - photostats, microfilm, electro-positives, Xerox copies, 20,000 atlases. Map division - best equipped in U.S. for geo-, cartographic research. Collection of 25 million maps.
Visit, mail, phone, TWX - 40 million

LIBRARY OF CONGRESS

see:

Air Information Division
International Organizations Section
Science & Technology Division
Scientific Technology & Exploitation Program (STEP)

Library of Congress Bibliographies listed herein:

Aerospace Medicine & Biology", An Annotated Bibliography
"Infrared: A Bibliography"
"List of Communist Chinese Scientific & Technical Periodicals,"
Annotated Bibliography
"Monthly Index of Russian Accessions"
"Oral Bacteriology: A Bibliography"
Personnel Anti-Fragmentation Equipment: Bibliography
Phenomena in the Atmosphere, I: Optical Phenomena
Phenomena in the Upper Atmosphere: Review of Soviet Literature
"Photo-Interpretation Techniques:" Bibliography

Partial listing of other bibliographies prepared and maintained by
Library of Congress (short titles).

AFOSR
AFOSR Information Stores
Aircraft Propeller Spinners
Air Pollution
Aviation Medicine
Ballistic Missile Trajectories
Bibliography on Saliva
Boron, B Hydrides & Related Substances
Casting Techniques for Explosives
Catamarans
CDR Warfare Research & Civil Defense
Chemical Transducers
Classified Polar Bibliography
Cold Weather Operation of Diesel Engines
Conductive Heat Transfer
Cyrillic Bibliography
Data on Specific Passive Soviet Components
Effects of Cold on Man
Effects of Noise on Man
Fire Resistance of Exterior Walls
Fret Corrosion
Geographic Distribution of Vegetation
Guide to U.S. Indexing & Abstracting
Height Findings Techniques
Infrared Relation Skin - Tissues
Interim - IGY
Interim Subject Classification of Navy R&D Projects
Journals in Science & Technology
Magnetism; Effects on Living Matter
Marine Borers

Partial listing of other bibliographies (Cont'd)

Metal Curing Techniques
Meteorology - 59 Red China Publications
Mine Countermeasures
Novikov Gearing System
Pharmacology & Use of Drugs
Physiological Field Method Cards
Physiology of Circulation Brain
Propellants, Fuels-Related Chemistry
Publications in Preparation
Radioactive Manganese, Iron Cobalt
Radiobiology
Radioisotopes, Industrial Application
Reconnaissance Interpretation
References Relating to Reenlistment
Resistance & Control of Submerged Bodies
Russian Serials Being Translated
Scientific Personnel
Shaped Charges
SIPRE Technical Information Bulletin
Snow Ice & Permafrost
Soviet Research on Gravitation
Soviet Research in Plasma Dynamics
Space & Aeronautical Serials
Space Life Sciences
Steam Condenser Circulating System
Thermal Properties of Certain Metals
Thickness Measuring Methods
Tracking Missiles & Space Vehicles
Underwater Sound
Underwater Swimming
Validation of Electronic Training Equipment
Visibility

487

LIBRARY PETROLEUM RESEARCH CENTER

P.O. Box 1321, Bartlesville, Oklahoma - FE 6-2400
(Bureau of Mines)

Collects and indexes information on specific topics in reference to
scientific and technical aspects of petroleum and natural gas
chemistry, thermodynamics and production.

Consultation

488

LIBRARY TECHNOLOGY PROJECT

50 Huron Street, Chicago 11, Ill.
(American Library Association)

Offers technical information services on materials, machines, equip-
ment and systems useful in library operations.

LICK OBSERVATORY

see:

Double Star Office

489

"LIGHT METAL AGE"

220 South State Street, Chicago 4, Ill.

Abstracts from patents and journals covering aluminum, titanium and other light metals, started 1943.

Bimonthly - \$3.00/yr. - 90 abstracts/yr.

490

LILLY RESEARCH LABORATORIES

Eli Lilly & Company, Indianapolis 6, Ind.

Maintains references and samples of antibacterial and antifungal compounds.

Consultation

LINCOLN LABORATORIES

see:

"Unclassified Publications of Lincoln Laboratory"

491

LINDA HALL LIBRARY

5109 Cherry Street, Kansas City 10, Mo. - LO 1-0903

Maintains a file of periodicals covered in the major abstracting and indexing journals of the U.S. Evaluates, correlated technical data by contract, surveys, reviews studies and bibliographies in broad technical areas.

Photocopy service.

LINDE COMPANY

see:

Technical Information Service

492

LIQUID PROPELLANT INFORMATION AGENCY

8621 Georgia Avenue, Applied Physics Lab., Silver Spring, Md.

JU 9-7700, ext. 380

(Johns Hopkins University)

Collects reports on liquid propellants; prepares abstracts, indexes and handbook. Lends reports. Publishes "Manual of Liquid Propellant Rocket Engines", "LPIA Abstracts", "Abstracts of Liquid Propellant Rocket Research & Development".

Answers, consultation, accession lists - available to Government and contractors

493

"LIST OF COMMUNIST CHINESE SCIENTIFIC & TECHNICAL PERIODICALS",
ANNOTATED BIBLIOGRAPHY

Library of Congress, Washington 25, DC

Annotated bibliography of 247 titles which reflect Communist China's periodicals publishing activity in subject fields of science and technology, except life sciences. Alphabetically arranged: Wade-Giles system followed by Chinese characters and translated titles. Gives frequency, place of publication, and publishing body of journal, sketch of characteristics with brief analysis of contents. Listing - by request - 247 titles

494

"LIST OF PUBLICATIONS"

National Bureau of Standards, Washington 25, DC

Abstracts in supplement, author and subject indexes, circular.

Covers physical, mathematical and engineering sciences.

Author and subject indexes - GPO - 1400 abstracts

495

"LIST OF ROYAL AIRCRAFT ESTABLISHMENT TRANSLATIONS

Royal Aircraft Establishment, Farnborough, Hants, England

References to translations from journals, government and industrial reports, papers, etc. Arranged numerically, author, corporate, geographical and source indexes. Aeronautical and related areas.

Irregular

496

"LIST OF SUBJECT HEADINGS"

Office of Naval Research, Washington 25, DC - OX 6-7782

A listing of all technical research reports of Office of Naval Research, with supplements for revision.

Annual supplements - obtain from ASTIA

497

"LIST OF TECHNICAL REPORTS"

Air Force Institute of Technology, Wright-Patterson AFB, Ohio - CL 3-7111
(Air Force)

A list of technical reports prepared by faculty and students of the institute. Covers all aspects of aerospace sciences.

List

498

"LIST OF THESES SUBMITTED BY OFFICER STUDENTS"

Naval Postgraduate School, Monterey, California

A list of theses submitted in partial fulfillment of the requirements for degrees.

Annual

499

LITERATURE FILE, FOODS & FOOD MACHINERY

1425 W 42nd Street, Chicago 9, Ill.

(Armour & Company)

Foods and food machinery, chemistry and chemical technology; pharmaceuticals, leather, and leather machinery; type: technical bulletins, previous search reports and collections, reprints, photostats, clippings, etc.

10,000

500

LOCKHEED AIRCRAFT CORPORATION

Sunnyvale, Calif.

Prepares bibliographies, summaries, surveys of aerospace technical areas. For example: beryllium, photochemistry of dyes, nozzle erosion, electronics, infrared, high impact metal forming and the like.

Bibliographies

see also:

Scientific & Technical Information Department

501

"LONDON TECHNICAL REPORTS"

Office of Naval Research, Washington 25, DC - OX 6-7782

Recent European developments and findings, includes reports, meetings, papers, unpublished work and Navy supported research.

LOWELL TECHNOLOGICAL INSTITUTE

see:

American Association of Textile Chemists and Colorists

LOWRY, CHARLES D. JR.

see:

Gas Chromatography Abstracting Service

502

LOW TEMPERATURE RESEARCH STATION

Brooklands Avenue, Cambridge, England

Determines the chemical composition of plants especially those which might be used for food.

503

LUNAR & PLANETARY LABORATORY

University of Arizona, Tuscon, Arizona

Collects information and photographs of moon, planets and satellites.

MACK TRUCKS INCORPORATED

see:

Technical Information Service

504

MAGNESIUM ASSOCIATION

122 E 42nd Street, New York 17, NY

Source and center on all information about magnesium; processing, properties, casting, fabricating. Maintains a catalog and collection of documents covering industrial, Government, and unpublished research, as well as open literature. Provides these documents for sale and distribution. Performs additional services of preparing review reports, answering technical questions and furnishings consultations.

Documents, reviews, answers, consultations

505

MAGNESIUM INFORMATION

Dow Chemical Company, Midland, Michigan

Industrial organization maintaining library literature, reports, and unpublished data on: magnesium, chemistry, metallurgy. Services provided include basic documents, accession lists, abstracts, answers to technical questions and consultation.

506

MAINTENANCE ENGINEERING EXCHANGE PROGRAM (MENEX)

Office of Maintenance Engineering - OSD, Washington 25, DC - OX 5-7185
(Department of Defense)

A listing of reports and publications on maintainability, maintenance engineering, design guides, performance, logistics support, etc.

Semiannual listing - obtain from ASTIA

507

MAN-MACHINE INFORMATION CENTER - MMIC

2521 Connecticut Avenue, NW, Washington, DC.

(Documentation Inc.)

Contract to run ANIP, SUBIC, and SURIC programs. For details see:

ANIP-Army-Navy Instrumentation Program; SUBIC-Submarine Integrated Control Advisory Committee; SURIC-Surface Integrated Control Program ONR sponsored.

Bibliographies -

508

"MANPOWER & EDUCATION REPORTS"

National Science Foundation, Washington 25, DC - ST 3-2140

Supply, characteristics and training of scientific and technical manpower in various fields of science.

510

MANUFACTURING CHEMISTS' ASSOCIATION RESEARCH PROJECT

Department of Chemistry, Texas A&M, Box 3395, College Station, Texas

Collects properties of inorganic and organic substances except hydrocarbons.

511

MANUFACTURING CHEMISTS ASSOCIATION RESEARCH PROJECT ON PROPERTIES
OF CHEMICAL COMPOUNDS

Chemical & Petroleum Research Lab., Pittsburgh 13, Pa.

(Carnegie Institute of Technology)

Covers properties of chemical compounds, bibliographies, fuels.

512

MARINE CHEMURGICS, INCORPORATED

Drawer 951, Morehead City, NC - PA 6-3132

Discovers improved or new uses for materials of marine origin.

Nutritional work on fats, proteins, etc., use of marine materials
for drugs, foods.

Consultation

513

MARLIN-ROCKWELL CORPORATION

Falconer Research Facility, Jamestown, NY - JM 8-1153

Collects information on design and application of anti-fraction
bearings including materials and lubrication criteria.

514

MARQUETTE COPPERSMITHING COMPANY

P.O. BOX 4584, Philadelphia 31, Pa. - TR-79362

Collection of analytic methods for stress analysis on all sorts
of design criteria of metal structures.

MARTIN COMPANY

Technical Information Center

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

see:

Unclassified Publications of Lincoln Lab.

Musical Acoustics

515

"MASTER'S THESIS & DOCTORAL DISSERTATIONS"

Purdue University, Lafayette, Indiana

Theses and dissertations in pure and applied sciences accepted
by U.S. Schools. Annual publications since 1957, about 6000
references a year.

Annual publication - \$6.00/yr.

516

MATERIALS ADVISORY BOARD

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

(National Research Council)

Journals, reports, and unpublished data are searched, and catalogs
and indexes are prepared. Inquiries are answered, consultation
provided, and action recommended. Reports are the principal out-
put, the Board acts in an advisory capacity to other Government
agencies. The audience is Government and industry.

Reports, consultative services, journals

517

MATERIALS CENTRAL

Aeronautical Systems Division, Wright-Patterson AFB, Ohio -

CL 3-7111, ext. 35288

Provide current state-of-the-art information as rapidly as possible to prevent duplication of effort. Publishes "Review of the AF Materials R&D Program", and "Abstracts of Materials Lab Active Contracts," annually. Collects information on materials labs, research institutions, and new materials.

ASTIA direct, OTS

518

MATERIALS INFORMATION CENTER (PROPOSED)

Aeronautical Systems Division, Wright-Patterson AFB, Dayton, Ohio -

CL 3-7111, ext. 35288

The center would endeavor: (1) to investigate areas where basic data are available for collection. This would include materials labs, research institutions, procedures of materials, and contractors; (2) to determine the need for the collection of data, as ascertained by appraisal of queries reaching WADD; (3) to lend guidance to research and development engineers working on new materials, to prevent duplication of effort and to provide current state-of-the-art information as rapidly as possible.

519

MATERIALS TASK CARD INDEX - DOD MATERIALS RESEARCH

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

National Research Council

Each current task description, under DD-613 projects, in the field of materials research and development is pasted to a wire-sorting card (8 x 10½). The card is punched with the DOD 3-digit materials code and with other information such as, security, budget, service involved, laboratory, etc.

All cards coded for item, field of interest - Mail or phone consultation

520

MATHEMATICAL COMPUTATION BRANCH

DCS/Comptroller, Directorate of Management Analysis, Washington 25, DC (Air University)

Military requirements for mathematical computers, research equipment.

521

MATHEMATICAL, PHYSICAL, ENGINEERING SCIENCE DIVISION

National Science Foundation, Washington 25, DC - ST 3-2140

Astronomy, atmospheric sciences, including meteorology and weather modification, chemistry, earth sciences, geochemistry, geology, geophysics and oceanography; engineering sciences, chemical engineering, civil engineering, electrical engineering, engineering mechanics, mechanical engineering and metallurgy, mathematical sciences, physics.

Varied - advisory & consultant - Government research on request

522

"MATHEMATICAL REVIEW"

190 Hope Street, Providence 6, R.I. - JA 1-1113

(American Mathematical Society)

Reviews all published material on mathematical research, including applications, monthly critical reviews from 800 journals, 200 books, publications, etc.

Index, monthly review - by subscription - \$50.00/yr. - 10000/yr.

523

"MATHEMATICS OF COMPUTATION"

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

(National Research Council)

About 100 informative abstracts a year from 5 journals, plus books and reports. Annual subject and author indexes.

Published since 1943.

Quarterly - \$8.00/yr.

524

MATHEMATICS RESEARCH CENTER

University of Wisconsin, Madison 6, Wisconsin - AL 5-5311, ext.2041

Basic research in applied mathematical fields, prepares reports and furnishes advice, supported by Army.

525

MCLEAN PALEONTOLOGICAL LABORATORY

P.O. Box 916, Alexandria, Va.

Collects information on foraminifera, ostracoda and holothurian sclerites.

526

MCMAH-HULBERT OBSERVATORY

895 Lake Angelus Road, North, Pontiac 4, Michigan - FE 5-6434

(University of Michigan)

Observes and collects information on solar activity, ionospheric.

527

"MECHANICAL ENGINEERING - TECHNICAL DIGEST"

29 W 39th Street, New York 18, NY

(American Society of Mechanical Engineers)

Monthly, abstracts; annual subject indexes. Covers whole field of mechanical engineering including fuels, lubricants, power, heat transfer, hydraulics, solar energy, nuclear engineering, etc.

Digests, abstracts, indexes - \$7.00 - 500 abstracts

528

MECHANICAL PROPERTIES OF MATERIALS

Belfour Engineering Company, Suttons Bay, Michigan - BR 1-3911

Stores and retrieves mechanical properties of structural materials; creep and fatigue, adhesive aspects of materials. Covers also electroencephalographic and specific medication test results, medical data processing.

Data service

529

"MEDICAL ABSTRACTS"

Merck, Sharp & Dohme Research Laboratory, Rahway, NJ

Medical abstracts weekly, bibliographies, abstracts, and references periodically; systematized coding since 1951; subject classification.

530

MEDICAL CHEMICALS CORPORATION

4122-26 W Grand Avenue, Chicago 51, Illinois - DI 2-6450

Information on synthesis of organic compounds, preparation of medicinal chemicals, health food formulations.

531

"MEDICAL PHYSICS"

200 E Illinois Street, Chicago 11, Ill.

(Year Book Publishers, Inc.)

Abstracts from books, journals, patents, reports, etc. Started 1944, arranged by subject with author and subject indexes.

Irregular - 1400 abstracts/yr.

532

"MEDICAL PUBLICATIONS"

Merck, Sharp & Dohme, Research Labs., Rahway, NJ

Medicine; type: journal articles from medical literature, internal technical reports, and correspondence.

67,000

533

MEDICAL RESEARCH LABORATORIES

Charles Pfizer & Company, Inc., Groton, Conn. - HI 5-5611

Correlates chemical and biological data concerning compounds tested for anti-infective action.

MELPAR, INC.

see:

"Electronic Components Development Register"

MENEX

see:

Maintenance Engineering Exchange Program

534

"MENTAL HEALTH BOOK REVIEW INDEX"

317 W 105th Street, New York 25, NY - UN 5-7882

Collects, references, book reviews, from about 150 journals on mental health and illness. Started 1954, working on scientific methods of evaluation, barriers to correspondence.

Irregular

535

MENTAL HEALTH RESEARCH INSTITUTE

University of Michigan, Ann Arbor, Michigan - NO 3-1531, ext. 7417
Collects information on behavioral sciences along with related
interdisciplinary studies, has a punch-card system for retrieval.

MERCK, SHARP & DOHME RESEARCH LABS.

see:

Research Information Services

"Medical Abstracts"

"Medical Publications"

536

METAL & THERMIT CORPORATION

Box 470, Rahway, NJ. - FU 1-3000

Information sources and dissemination on organo-tin compounds,
organometallics, inorganic tin, antimony and zirconium compounds,
tin plating. Maintains punched card index.

537

"METAL FINISHING"

381 Broadway, Westwood, NJ

Covers all areas of metal finishing including corrosion resistance.

Abstracts from books, technical reports about 65 journals and
other sources. Started 1903 with annual subject index.

Monthly - \$5.00/yr. - 100 abstracts/yr.

537A

"METALLURGICAL ABSTRACTS: GENERAL & NON-FERROUS"

17 Belgrave Square, London, SW1, England

(Institute of Metals)

Abstracts from books, Government publications, 1000 journals and
other sources. Started 1934, with annual author and subject
indexes.

Annually - \$9.00/yr. - 7000 abstracts/yr.

538

METAL POWDER ASSOCIATION

420 Lexington Avenue, New York 17, NY

Collects information on metal powders, powder metallurgy, paints.

539

METAL POWDER INDUSTRIES FEDERATION

60 E 42nd Street, New York 17, NY - MU 2-7888

Nonprofit coordinating organization, supported by industries engaged
in powder metallurgy. Maintains a catalog and collection of open
literature, Government and industrial research reports and un-
published data in this area. Provides documents for sale and
distribution, compiles review reports, abstracts and accession
lists. Answers specific technical questions, and provides con-
sultation services.

541

METAL SANDWICH CONSTRUCTION

Convair, Ft. Worth, Texas

Government and industrial research reports on metal sandwich construction are maintained. Documents are available for search and distribution. Further services provided include review reports and compilations, accession lists and abstracts. Answers to technical questions are furnished, and technical consultations arranged.

Documents, abstracts, answers, consultations

543

METALS DOCUMENTATION SERVICE

Metals Park, Novelty, Ohio

(American Society for Metals)

Collects and disseminates information from journals, books, reports, patents and translations in metallurgy, physics, and related. Prepares digests, bibliographic searches, photocopy service.

544

"METALS REVIEW"

Metals Park, Novelty, Ohio

(American Society for Metals)

A periodical publication on metals and metallurgical information.

By subscription.

545

METALS - TEST METHODS & DESIGN DATA ON (ANC-5)

505 King Avenue, Columbus 1, Ohio

(Battelle Memorial Institute)

Government & industrial reports and unpublished data on metals testing and design. Basic documents are made available for sale or distribution. Special technical questions are answered, and consultation services provided. Handbook of design criteria and procedures is published.

Handbook, reports, answers, consultation

545A

METAL TREATING INSTITUTE

Box 448, Rye, NY - WO 7-2108

Covers heat treating, cooling of metals and alloys along with a magazine.

546

METCUT RESEARCH MACHINING DATA CENTER

3980 Rosslyn Drive, Cincinnati 9, Ohio - BR 1-5100

Collects and correlates machining on metals, alloys and non-metallic materials.

Consultation - 5000 references

547

"METEOROLOGICAL ABSTRACTS & BIBLIOGRAPHY"

3 Joy Street, Boston 8, Mass.

(American Meteorological Society)

Monthly, cumulative annual author, subject, geographical, and journal indexes (decennial author, subject, geographical, journal, and UDC index being planned). Meteorology, climatology, astrophysics of solar system, geophysics, hydrology, oceanography, physics (auroral, ionospheric, meteor), radioastronomy, and applications of meteorology to agriculture, astronautics, aviation, commerce, forestry, industry, public health, etc. Abstracts, bibliographies - \$60.00/yr. - 5,000 abstracts/yr.

548

METROPOLITAN WASHINGTON SCIENCE BUREAU

1616 K Street, NW, Washington 6, DC - ST 3-3535

(Metropolitan Washington Board of Trade)

Performs as a local clearinghouse for research related affairs, maintains a central registry and information service, assists in recruiting researchers, prepares an annual directory of scientific resources of the Washington area.

Directory, consultation

549

MEXICAN SCIENTIFIC & TECHNICAL DOCUMENTATION CENTRE

Centro de Documentacion, Mexico City, Mexico

Compiles bibliographies.

MICHIGAN COLLEGE OF MINING & TECHNOLOGY

see:

Forest Products research Division

Ford Forestry Center

MICHIGAN STATE UNIVERSITY

see:

Information Services

550

"MICROBIOLOGY ABSTRACTS"

Office of Naval Research, Washington 25, DC - OX 6-7782

Brief reports of current research on microbiology. Started 1953.

Annually - 75 abstracts/yr.

551

"MICROCHEMICAL JOURNAL"

250 Fifth Avenue, New York 1, NY

(Interscience Publishers Inc.)

Abstracts on articles and topics related to microchemistry. Started 1957, from 50 journals.

Quarterly - \$16.00/yr. - 1000 abstracts/yr.

552

MIDWEST RESEARCH INSTITUTE

425 Volker Blvd. Kansas City 10, Missouri - LO 1-0202

Collects published information, evaluates and correlates technical data on a contract basis. Literature surveys, bibliographies, reviews.

"MIL HANDBOOK 5"

see:

"Strength of Metal Aircraft Elements"

"MIL HANDBOOK 17 - Part I"

see:

"Plastics for Flight Vehicles"

"MIL HANDBOOK 17 - Part II"

see:

"Transparent Glazing Materials"

"MIL HANDBOOK 23 - Part I"

see:

"Composite Construction"

"MIL HANDBOOK 23 - Part II"

see:

"Sandwich Construction for Aircraft"

"MIL HANDBOOK 23 - Part III"

see:

"Design Procedures"

MINISTRY OF AVIATION

see:

"Index Aeronautics"

553

MINOR PLANET CENTER

Cincinnati Observatory, International Astronomical Union, Cincinnati 8, Ohio - EA 1-5186

Collects and disseminates all data concerning minor planets, improved elements of minor planets and prediction ephemerides.

Circulars

555

MISSISSIPPI INSTITUTE OF MICROBIOLOGY

Box 264, Station A, Hattiesburg, Miss. - JU 4-8411, ext. 236

Information source and advice in microbiological sciences.

MMIC

see:

Man-Machine Information Center

556

"MODERN PLASTICS"

575 Madison Avenue, New York 22, NY

Abstracts of plastics and related technology including engineering, applications, testing and specifications from books, technical reports, 25 periodicals and other sources. Started 1937, annual subject index.

Monthly - \$7.00/yr. - 300 abstracts/yr.

MONSANTO CHEMICAL COMPANY

see:

Organic Chemicals

Organic Research

Evaluation of High Temperature Hydrocarbon Fuels

Research and Development on High Temperature Additives -

Lubes & Hydraulic Fluids

557

"MONTHLY ABSTRACT BULLETIN"

Eastman Kodak Company, Rochester, New York

Abstracts in photography and related fields of chemistry and physics.

Started 1915, from books, patents and about 450 journals. Annual author index.

Monthly - \$3.00/yr. - 3000 abstracts/yr.

559

"MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS"

Government Printing Office, Washington 25, DC

20,000 Government documents per year, arranged alphabetically by agency; monthly subject, annual author indexes.

List of publications - GPO, \$3.00/yr. - 20,000/yr.

560

"MONTHLY INDEX OF RUSSIAN ACCESSIONS"

Library of Congress, Washington 25, DC

Monthly, science and technology, annual author index, all Russian accessions, including outside USSR.

Index - GPO - 12,200 references

561

MORTON COLLECTANEA

Box 8204, Coral Gables 46, Florida - MO 1-2511

(University of Miami)

Acquires, classifies and maintains data on economic plants, particularly little known tropical and subtropical plants.

MOSBY, C. V. COMPANY

see:

"Oral Surgery, Oral Medicine, and Oral Pathology"

562

MSA RESEARCH CORPORATION

Callery, Pa. - Evans City 3510

Reviews and publishes all information that appears in the abstract journals pertaining to liquid metals reactor coolant technology.

563

MUSICAL ACOUSTICS

Massachusetts Institute of Technology, Cambridge 39, Mass. -

UN 4-6900

Performs research in and collects information relating to the acoustics of musical instruments, the psychophysics of perception.

564

"NASA TECHNICAL PUBLICATIONS ANNOUNCEMENTS"

1520 H Street, NW, Washington 25, DC

(National Aeronautics & Space Administration)

Abstracts of aeronautical and space research includes British and AGARD entries; started 1951 (formerly NACA Research Abstracts).
no index.

2 to 3 weeks - by request

565

NATIONAAL LUCHTVAART LABORATORIUM

145 Sloterweg, Amsterdam (W), Netherlands

Punched data cards distributed as obtained, about 1200 per year.

"NLL card catalog of aerodynamic measurements"

By subscription - \$32.00/yr.

see also:

Central Documentation of Aeronautical Literature

566

NATIONAL ACADEMY OF SCIENCES - NATIONAL RESEARCH COUNCIL

The National Academy of Sciences and its National Research Council encompass all fields of science and are well qualified to deal with problems and policies that are of general significance for all science, and to foster the mutually advantageous interrelations between specialized sectors of science.

Although none of these activities can be classified as information sources, services, centers and systems within the meaning of this report, the Academy's broad interests, as well as those of its several panels, groups, committees and subcommittees are sufficiently pertinent to Air Force R&D to list them here.

In each case, the groups listed herein are organized with permanent offices and staff and are available for information and consultation in normal course of business. Some of these groups are available only for special projects or consultation by prior arrangement. Still others operate in close cooperation with specified Air Force R&D or planning activities.

Generally speaking, these groups are responsive to requests from any Government R&D activity for consideration of the feasibility of a proposed research program, project or approach. Usually, operating officials in the agency considering the program will make informal contact with the appropriate NAS-NRC group to discuss possible consultative assistance. If such exploratory contacts indicate that consultative assistance would be beneficial, formal arrangements are conducted through the heads of the agencies involved.

Contact should be made by addressing the particular group through the NAS-NRC:

2101 Constitution Avenue, Washington 25, DC
or by telephone, as indicated in the following list. In the Washington D.C. area, Government telephone codes, as follows, apply: NAS-NRC, EX 3-8100, code 148; National Institutes of Health, OL 6-4000, code 179; Library of Congress, ST 3-0400, code 173. Other information sources and services of NAS-NRC are listed throughout this report.

<u>NAME OF GROUP</u>	<u>NAME, ADDRESS, & PHONE OF CONTACT</u>
American Geophysical Union (Plans and conducts scientific conferences and symposia in area of Geophysics for services and other government agencies)	Waldo E. Smith, 1515 Mass. Ave., NW Wash 5, D.C. DU 7-0900
Biological Chemistry, Committee on	Dr. C. O. Miller, EX 3-8100,ext 258
Biological Effects of Atomic Radiation, Committee on	Dr. Howard Andrews (NIH), OL 6-4000, ext 3658
Blood and Related Problems Committee on	Dr. Henry T. Gannon, EX 3-8100, ext 340
Building Research Advisory Board	Robert M. Dillon, EX 3-8100,ext 349
Cardiovascular System, Committee on	Dr. Edwin B. Coyl, EX 3-8100,ext 314
Coal Chemistry, Committee on	Dr. C. O. Miller, EX 3-8100,ext 258
Codification, Ciphering, Punch Card	Dr. C. O. Miller, EX 3-8100,ext 258
Cutaneous System,Committee on	Dr. Edwin B. Coyl, EX 3-8100,ext 314
Dentistry, Committee on	H. N. Gardner, EX 3-8100,ext 324
Drug Addiction and Narcotics, Committee on	Dr. N. B. Eddy, OL 6-4000,ext 4410
Fire Research, Committee on	Cdr. D. W. Thornhill, USN (Ret), EX 3-8100, ext 486
Food Protection, Committee on	Dr. Paul E. Johnson, EX 3-8100, ext 367
Food Sanitation, Subcommittee on	Dr. O. E. Van Der Aue, EX 3-8100 , ext 330
Geography, Committee on	Dr. Arch C. Gerlach, ST 3-0400, ext 473
Hygiene, Atmospheric & Industrial, Subcommittee on	Dr. O. E. Van Der Aue, EX 3-8100, ext 330
Industrial Chemistry, Committee on	Dr. C. O. Miller, EX 3-8100,ext 258

<u>NAME OF GROUP</u>	<u>NAME, ADDRESS, & PHONE OF CONTACT</u>
Inorganic Chemistry, Committee on	Dr. C. O. Miller, EX 3-8100,ext 258
International Biophysics, Committee on	
International Council of Scientific Unions	Edmund C. Rowan, EX 3-8100,ext 531
International Union of Bio- chemistry, US Committee for	Dr. C. O. Miller, EX 3-8100,ext 258
International Union of Pure and Applied Chemistry, US Committee for	Mrs. Mary Anderson, EX 3-8100,ext 257
Laboratory Animal Resources, Institute of	Mr. Berton F. Hill, EX 3-8100,ext 370
Macromolecular Chemistry, Committee on	Dr. C. O. Miller, EX 3-8100,ext 258
Materials Advisory Board Audience: Dept of Defense	Robert Crozier, EX 3-8100,ext 441
Pacific Science Board Advice on Research in Pacific Area	Harold J. Coolidge, EX 3-8100, ext 242
Pathology, Committee on	Dr. S. F. Seeley, EX 3-8100,ext 315
Personnel & Training, Subcommittee on (Committee on Sanitary Engineering and Environments)	Dr. O. E. Van Der Aue, EX 3-8100, ext 330
Physical Chemistry, Committee	Dr. C. O. Miller, EX 3-8100,ext 257
Plasma, Subcommittee on	Dr. H. T. Gannon, EX 3-8100,ext 340
Polar Research, Committee on (Recommend program and policy objectives for research in polar science. Represent national scientific community in program and policy affecting their partici- pation. Provide US representation in international programs of ICSU)	R. C. Peavey, EX 3-8100,ext 496
Prosthetics Education and Informa- tion, Committee on	Dr. H. W. Glattly, EX 3-8100,ext 345
Prosthetics	Tonnes Dennison, EX 3-8100,ext 345

<u>NAME OF GROUP</u>	<u>NAME, ADDRESS, & PHONE OF CONTACT</u>
Quartermaster Research and Development Audience: QM R&E Command, Natick, Mass.	Dr. Frank R. Fisher, EX 3-8100, ext 235
Radiation Biology, Panel on	John S. Coleman, EX 3-8100, ext 238
Radioactive Waste Disposal, Committee on the Geological Aspects	Dr. Harry H. Hess, Princeton Univ. WA 1-6600
Radiology, Committee on	Mrs. L. G. Bowen, EX 3-8100, ext 305
Refugee Scientist Program	Mr. Edmund C. Rowan, EX 3-8100, ext 531
Sanitary Engineering & Environment, Committee on	Dr. O. E. Van Der Aue, EX 3-8100, ext 330
Sarcoidosis, Subcommittee on	Dr. E. B. Coyl, EX 3-8100, ext 314
Scientific Personnel, Office of	Dr. Lindsey R. Harmon, EX 3-8100, ext 264 & Dr. C. J. Lapp, EX 3-8100, ext 261
Ship Steel (Fracture), Committee on	Dr. David K. Felbeck, EX 3-8100, ext 452
Shock, Committee on	Dr. Sam F. Seeley, EX 3-8100, ext 315
Skeletal System, Committee on	Dr. H. W. Glattly, EX 3-8100, ext 345
Space Research, Committee on * (COSPAR) Through Space Sci. Bd.	Dr. Hugh Odishaw, EX 3-8100, ext 488
Thermal Factors in Environment, Subcommittee on	Dr. O. E. Van Der Aue, EX 3-8100, ext 330
Thrombosis & Hamorrhage, Subcommittee on	Dr. E. B. Coyl, EX 3-8100, ext 314
Tissue Transplantation, Committee on	Dr. E. B. Coyl, EX 3-8100, ext 314
* Space Science Board (Recommend program & policy objectives for research in space science. Represent national scientific community in program & policy affecting their participation. Provide US representation in international programs of ICSU)	Dr. Hugh Odishaw, EX 3-8100, ext 488 Mr. R. C. Peavey, EX 3-8100, ext 496

<u>NAME OF GROUP</u>	<u>NAME, ADDRESS, & PHONE OF CONTACT</u>
Transfusion Problems, Subcommittee on	Dr. H. T. Gannon, EX 3-8100, ext 340
Trauma, Committee on	Dr. Sam F. Seeley, EX 38100, ext 315
Tropical Medicine, Advisory Committee on	Dr. Willard H. Wright, EX 3-8100, ext 502
US-USSR Science Exchange	Lawrence C. Mitchell, EX 3-8100, ext 228
Veterans Medical Problems, Committee on	Dr. M. D. Nefzger, EX 3-8100, ext 467
Vision, Armed Forces - NRC Committee on	Dr. Milton A. Whitcomb, EX 3-8100, ext 505
Waste Disposal, Subcommittee on (Committee on Sanitary Eng & Environment)	Dr. C. E. Van Der Aue, EX 3-8100, ext 330
Water Supply, Subcommittee on	Dr. O. E. Van Der Aue, EX 3-8100, ext 330

PUBLICATIONS OF INTEREST SELECTED FROM "NAS/NRC PUBLICATIONS", SPRING 1960

Geoscience Abstracts
 Specifications and Criteria for Biochemical Compounds
 International Critical Tables of Numerical Data, 7 Volumes
 Proceedings of the International Conference on Scientific Information
 Interim Bibliography on IGY
 Interim Catalog of Data in IGY World Center A
 A Directory to Nuclear Data Tabulations
 Operations Research for the Guidance of Management
 Handbook of Physical Constants
 Tables of Chemical Kinetics: Homogeneous Reactions
 Manual of Tropical Medicine
 IGY Satellite Report Series (IGY World Data Center A)
 Annual Report, NAS-NRC
 Report by Specific Committee on Scope & Conduct of Materials Research,
 Pub. 718

NATIONAL AERONAUTICS & SPACE ADMINISTRATION

Washington 25, DC

The NASA conducts a broad documentation and dissemination program for scientific and technological information in the space and aeronautical fields. Information from world-wide sources is collected, organized, and cataloged to permit its use by scientists and engineers throughout the national space and aeronautical programs. Technical information materials resulting from NASA supported work are announced, indexed and made generally available. They are disseminated automatically and by special request to official users and placed on public sale to others. Reference service is provided for requestors outside NASA programs as well as within.

NASA has four series of technical publications: (1) Technical Reports. Presentations of a body of information considered to be complete and of lasting usefulness; unclassified. (2) Technical Notes. Presentations of a more transitory nature and usually more limited in scope than Reports; unclassified. Technical Notes supplement but do not overlap Technical Reports. (3) Technical Memorandums. Classified presentations. Memos are reissued as Reports or Notes if they are declassified and if they are considered of general interest at the time of declassification; classified and unclassified. (4) Technical Translations. Presentations of information published in a foreign language; unclassified.

Firms or individuals having an official need may receive NASA publications by certifying this need to the NASA Office of Technical Information & Educational Programs, Code ETD, Washington 25, DC. Others may purchase NASA Technical Notes, and Technical Translations from the Department of Commerce, OTS. NASA Technical Reports are sold by the U.S.GPO.

NASA technical publications are announced in the following media: (1) Technical Publications Announcements (TPA). Biweekly abstract list of NASA-published documents, technical papers and articles describing NASA-supported work, AGARD reports, and selected British reports, both classified and unclassified. TPA is supplemented by the annually published Index of NASA Technical Publications. Both are available from the NASA OTI&E Programs, Code ETD, Washington 25, DC. (2) Monthly Catalog of U.S. Government Publications. Announcement list including NASA Technical Reports and other NASA publications sold through GPO. It is supplemented by GPO Price List No. 79: Aviation, which is issued periodically. (3) U.S. Government Research Reports. Announcement list including NASA Technical Notes all of which are sold through OTS. (4) Technical Translations. Announcement list including NASA Technical Translations sold through OTS.

NASA programs, and hence the NASA technical information program, cover the entire range of science and technology concerned with space and aeronautics. The broad categories of information are delineated

NATIONAL AERONAUTICS & SPACE ADMINISTRATION (Cont'd)

as follows: aerodynamics, aircraft, astronomy, astrophysics, bio-medicine, biology, communications, electronics, fluid mechanics, geophysics, geodesy, guidance systems, metallurgy and materials, missiles, navigation, physics (atomic), physics (solid state), propellants, propulsion, satellites, space mechanics.

see also:

"Index of NASA Technical Publications"

"NASA Technical Publications Announcements"

NATIONAL AERONAUTICAL RESEARCH INSTITUTE

see:

Aerodynamics & Flight Mechanics

NATIONAL ASSOCIATION OF CORROSION ENGINEERS

see:

"Corrosion Abstracts"

"Bibliographic Surveys of Corrosion"

567A

NATIONAL BUREAU OF STANDARDS

Connecticut Avenue & Van Ness Street, Washington 25, DC

(Department of Commerce)

Central responsibility within the Federal Government for: radio propagation, data processing systems, building technology, cryogenic engineering. Basic concern with meteorology, high competence in measurement of all kinds of physical data. Publishes in twenty-one scientific fields. Periodicals and monography released through GPO and OTS. Retrospective bibliography in NBS Circular 460 and supplements. Publishes annual Research Highlights, and annual publications lists. Lends consultative support to Government research programs on a need basis.

Consultation, reports, periodicals

see also:

Atomic Energy Levels

Atomic Physics Data Center

Basic Instrumentation Reference Service

"Bibliography of Spectrochemical Analysis"

Cryogenic Data Center

Documentation in Instrumentation

Electron Devices Data Services

"High Temperature Bibliography"

Hydraulic Research in the United States

IGY World Data Center (Airglow & Ionosphere)

"List of Publications"

Office of Basic Instrumentation

Phase Diagrams for Ceramists

Research Information Center & Advisory Service on Information Processing

"Selected Bibliography of Mathematical Statistics"

NATIONAL BUREAU OF STANDARDS (Cont'd)

"Selected Values of Chemical Thermodynamic Properties"
Tabulation of Data on Receiving Tubes
Thermochemistry Section
Transparent Glazing Materials (MIL Handbook 17-Part II)

568

NATIONAL CARBON COMPANY

30 E 42nd Street, New York, NY
(Union Carbide & Carbon Corporation)
Maintains an excellent collection of solid state physics.

NATIONAL DEFENSE HEADQUARTERS

see:
"Documents Digest"

NATIONAL EDUCATION ASSOCIATION

see:
"Audio-Visual Communication Review"

NATIONAL FEDERATION OF SCIENCE ABSTRACTING & INDEXING SERVICE

see:
"Guide to U.S. Indexing & Abstracting Service in Science &
Technology #101"
"Indexing & Abstracting Services" (A Guide to U.S.)

569

NATIONAL INDEX OF FUNGUS CLUTURES

Quartermaster R&E Center, Natick, Mass. - OL 3-1000
(Army)
Provides a centralized, continually active file of information on
living fungus isolates. Serves as an agent in locating fungus
strains for research requests.

NATIONAL INSTITUTES OF HEALTH

see:
Cancer Chemotherapy National Service Center
Psychopharmacology Service Center
Center for Aging Research
Translating Section
Neurology Information Center

NATIONAL INSULATION MANUFACTURING ASSOCIATION

see:
Insulation Information Center

NATIONAL INVENTORS COUNCIL

see:
"Inventions Wanted by Armed Forces - Cumulative Index"

NATIONAL LEAD COMPANY

see:

Technical Department Information Center

570

NATIONAL LIBRARY OF AGRICULTURE

Department of Agriculture, Washington 25, DC

Has a regular bulletin, publishes titles, lists of journals and publishes special bibliographies. Covers agricultural chemistry, zoology, bacteriology, entomology, forestry, soils, veterinary medicine and plant pathology.

Bulletin, consultant

NATIONAL LIBRARY OF MEDICINE

see:

Bibliographies available

"Index Medicus"

"Catalog of the National Library of Medicine"

"Bibliography of Space Medicine"

571

NATIONAL LUBRICATING GREASE INSTITUTE

4638 J. C. Nichols Parkway, Kansas City 12, Mo.

Lubricants, fats, greases, non-metallic materials. Publishes 'National Lubricating Grease Institute Spokesman'. Abstracts on lubrication, greases from journals and patents.

Monthly - \$5.00/yr. - 140 abstracts/yr.

NATIONAL MUSEUM

see:

"Journal of Mammalogy - Section: Recent Literature"

572

NATIONAL OCEANOGRAPHIC DATA CENTER

Naval Weapons Plant, Washington 25, DC - LI 7-5700, ext. 2753
(Navy Hydrographic Office)

Sponsored by N-Dept. Commerce-Dept. Interior-AEC-NSF. Acquires, compiles, and preserves oceanographic data for ready retrieval. Prepares indexes of holdings, and summaries and tabulations showing annual and seasonal oceanographic conditions and to promote the routine collection of ocean-wide survey data. Makes indexes, summaries, and tabulations available to research investigators and the general public by exchange or sale. 2,000,000 cards representing 100,000 oceanographic stations; 3,000,000 ocean current measurements; 600,000 Bathythermograms.

573

NATIONAL PAINT, VARNISH & LACQUER ASSOCIATION

1500 Rhode Island Avenue, Washington 5, DC - HO 2-6272

Collects information on protective coatings, non-metallic paints, varnishes and their ingredients. Maintains collection of research reports, open literature and unpublished data in this area, in order to provide search and distribution in form of abstracts, etc.

574

NATIONAL PRINTING INK RESEARCH INSTITUTE

Lehigh University, Bethlehem, Pa. - PE 6-9658

Research in printing ink, surface chemistry, rheology, dispersion, pigments.

575

NATIONAL REGISTER OF SCIENTIFIC & TECHNICAL PERSONNEL PROGRAM

National Science Foundation, Washington 25, DC - ST 3-2140, ext. 357

Personal data on U.S. scientists and technicians. Periodic bulletins and reports. 117,000 scientists covered in 1960.-

576

NATIONAL REGISTRY OF RARE CHEMICALS

35 W 33rd Street, Chicago 16, Illinois - CA 5-9600, ext. 2569

(Armour Research Foundation)

Collects unpublished data on rare organic and inorganic compounds, approximately 40,000 compounds filed.

Physical data on chemical compounds - answers to technical questions - by request

NATIONAL RESEARCH CORPORATION

see:

Technical Information Center

NATIONAL RESEARCH COUNCIL

see:

National Academy of Sciences

Industrial Research Laboratories of the United States

Armed Forces - NRC Hearing & Bio-Acoustics Committee

Armed Forces - NRC Vision Committee

"Bulletin of Chemical Thermodynamics"

"Environmental Effects on Materials & Equipment: Abstracts"

"Fire Research Abstracts & Reviews"

"Handbook of Biological Data"

IGY World Data Center (Rockets & Satellites)

Materials Advisory Board

Materials Task Card Index - DOD Materials Research

"Mathematics of Computation"

Nuclear Data Project

Office of Critical Tables

Office of Documentation

Prevention of Deterioration Center

Publications

Research Project on Properties of Chemical Compounds

Spectral Absorption Data (NRC)

Cardiovascular Literature Project

Toxicological Information Center

NATIONAL RESEARCH COUNCIL OF CANADA

see:

"Canadian Geophysical Bulletin"

NATIONAL SCIENCE FOUNDATION

see:

"Annual Reports"

Biological & Medical Sciences Division

Foreign Service Information Program

"Manpower & Education Reports"

Mathematical, Physical, Engineering Science Division

National Register of Scientific & Technical Personnel

"Research & Development Resources Reports"

"Science Administration Reports"

Science Information Service

Scientific Publications Program

Weather Modification

"Directory of Independent Commercial Laboratories Performing R&D

"Providing U.S. Scientists with Soviet Scientific Information"

577

NATIONAL WEATHER RECORDS CENTER

Grove Arcade Building, Asheville, NC - AL 3-0481

Collects and stores all meteorological and climatological records of the national and provides copies to requesters.

Data - fee

NATIONAL WEATHER RECORDS CENTER

see:

IGY World Data Center (Meteorology & Nuclear Radiation)

578

NATURAL RESOURCE EVALUATION CENTER

Office of Civil & Defense Mobilization, Washington 25, DC - EX 3-3300

Makes estimates for pre-attack planning, non-military defense posture, post-attack estimates, economic and industrial estimates.

Consultation

579

NAUTICAL ALMANAC OFFICE

Naval Observatory, Washington 25, DC - DE 2-9013

Provides astronomical data for ship, aircraft and spacecraft navigation and other astronomical data of interest to DOD and general public.

NAVAL AIR MATERIEL CENTER

see:

"Environmental Requirements of Scaled Cabins for Space & Orbital Flights"

"Index of AEL Technical Publications"

580

"NAVAL HUMAN ENGINEERING BULLETIN"

Engineering Psychology Division, Office of Naval Research, Washington 25, DC - OX 6-7782

(Office of Naval Research)

Covers R&D in human engineering, biosciences.

Published every 4-6 weeks

NAVAL MEDICAL RESEARCH INSTITUTE

see:

"Summaries of Research"

"United States Navy Medical News Letter"

NAVAL OBSERVATORY

see:

IGY World Data Center (Longitude & Latitude)

Nautical Almanac Office

NAVAL ORDNANCE LABORATORY

see:

"Annual Report of Publications of the Explosions & Chemistry
Research Departments"

NAVAL ORDNANCE TEST STATION

see:

"Bibliography of NOTS Technical Publications"

NAVAL POSTGRADUATE SCHOOL

see:

"List of Theses Submitted by Officer Students"

NAVAL PROVING GROUND

see:

"Index of Naval Proving Ground Technical Reports"

NAVAL RADIOLOGICAL DEFENSE LABORATORY

see:

"Quarterly Report"

"Index to U.S. Naval Radiological Defense Laboratory USNRDL
Series Reports"

NAVAL RESEARCH LABORATORY

see:

Direct Energy Conversion: Selected References

Bibliography Center (Proposed)

"Undersea Warfare Bibliography"

"NRL Quarterly on Nuclear Science & Technology"

"Underwater Sound Bibliography"

"Bibliography of NRL Formal Reports"

"Bibliography Series"

"Report of NRL Progress"

581

"NAVAL RESEARCH LOGISTICS QUARTERLY"

Office of Naval Research, Washington 25, DC - OX 6-7782

Research, papers on logistics and economics.

Quarterly

NAVAL TRAINING DEVICE CENTER

see:

"Bibliography of Unclassified Human Engineering Reports"
"Confidential Bibliography of Human Engineering Reports"
"Index of Publications"

582

NAVAL WEAPONS LABORATORY

Dahlgren, Virginia - NO 3-2511

Collects all published information on surface launched and air launched missile weapon systems. Covers also biological and chemical warfare munitions in part.

Consultation

see also:

"Hero Newsletter"

NAVY

see:

Program Evaluation Review Technique (PERT)

NAVY HYDROGRAPHIC OFFICE

see:

National Oceanographic Data Center
Hydrographic Office

583

"NAVY JOURNAL OF UNDERWATER ACOUSTICS"

Office of Naval Research, Washington 25, DC - OX 6-7782

Covers Navy interests in underwater acoustics.

584

"NAVY TECHNICAL FORUM"

Office of Naval Research - 104, Washington 25, DC - OX 6-7782

Semiannual reviews of state-of-the-art and Naval Requirements.

Bound publications. Reviews of Navy R&D.

Presently only to Executive Dept. Government

585

NEAR INFRARED SPECTRA

609 S 6th Street, Champaign, Ill.

(Anderson Physical Laboratory)

Mostly organic, some inorganic compounds. Infrared absorption spectra in the 0.7 to 3.2 micron range. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Looseleaf sheet

586

"NEDERLANDSE TECHNISCHE-WETENSCHAPPELIJKE LITERATUUR"

Willem Sitsenplein 6, The Hague, Netherlands

(Netherlands Institute for Documentation & Registration)

Monthly index to major scientific & technical publications in the Netherlands.

587

"NE-METALLE"

Unter den Linden 8, Berlin W8, E Germany

(Dokumentationsabteilung des Forschungsinstituts für NE-Metalle)

Abstracts covering non-ferrous metals, metallurgy, alloys, corrosion and related. Started 1953 on cards.

Irregularly - 4200 references/yr.

588

NETHERLANDS INSTITUTE FOR DOCUMENTATION & REGISTRATION

Willem Witsenplein 6, The Hague, Netherlands

Maintains literature on Dutch scientific and technical developments.

Literature search, scanning service. Photoreproduction and translation.

Index, bibliography, searches - fee

see also:

"Nederlandse Technische-Wetenschappelijke Literatuur"

589

NEUROLOGY INFORMATION OFFICE

National Institutes of Health, Bethesda 14, Maryland - OL 6-4000, ext. 2207

Collects information about neurological and sensory disorders and related disciplines. Publishes some of the work.

591

NEUTRON CROSS SECTION EVALUATION CENTER

Brookhaven National Laboratory, Bldg. T-130, Upton, L.I., NY - YA 4-6262 (Atomic Energy Commission)

All nuclides. Thermal cross sections, resonance parameters, cross section curves, angular distributions. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Evaluation, properties, data - GPO, OTS

592

"NEUTRON CROSS SECTIONS (UCRL)"

Lawrence Radiation Laboratory, University of California, Livermore, Calif.

(Atomic Energy Commission)

All nuclides. Data for total and reaction neutron cross sections in the energy range from 0.001 through 14.5 Mev have been presented. Differential neutron cross sections. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Looseleaf sheets "Tabulated Neutron Cross Sections - OTS

NEW JERSEY ZINC COMPANY

see:

"Library Bulletin"

NEW MEXICO HIGHLANDS UNIVERSITY

see:

Institute of Scientific Research

594

"NEWSLETTER"

P.O. Box 288, Redondo Beach, Calif.

(Society of Photographic Instrumentation Engineers)

A publication giving technical and instrumentation information of interest to individuals using photography for instrumentation of experimental research.

Bimonthly journal

595

"NEWS RELEASES"

Office of Technical Services, Washington 25, DC - DU 6-1224

Important new acquisitions announced by press and released to business; technical and trade journals are made by these flash releases.

40 releases/mo., 100 reports/mo. - OTS

595A

NEW YORK ACADEMY OF SCIENCES, INC.

2 E 63rd Street, New York 21, NY - TE 8-0230

Collects information on all fields of science, serves as a forum for scientists and the publication of scientific data.

NEW YORK SOCIETY OF ELECTRON MICROSCOPISTS

see:

"NYSEM Bibliography, Immunology & Serology"

596

NICKEL BULLETIN

Thames House, Millbank, London SW1, England

Abstracts from patents, pamphlets, 450 journals and other sources.

Started 1928 with annual author and subject indexes.

Monthly - by request - 750 abstracts/yr.

NIKON GENSIRYOKU SANGYO-KAIGI

see:

"Gensiryoku Kandai Siryomokuroku" (Index to Literature on Atomic Energy)

597

"NITROFURAN ABSTRACTS"

Eaton Laboratories, Norwich, NY

About 800 journals and 100 books are covered on nitrofurane references.

Annual author and subject indexes published as a bibliography.

Started 1944.

Weekly - by request - 700 abstracts/yr.

NORTH AMERICAN AVIATION, INC.

see:

Space & Information Systems Division

598

"NRL QUARTERLY ON NUCLEAR SCIENCE & TECHNOLOGY"

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Quarterly report of progress in technical program. A compilation of papers.

Quarterly-covering last quarter - no annual compilation

599

NUCLEAR DATA PROJECT

Dupont Building, Room 407, National Research Council, Washington 25,
DC - EX 3-8100

All nuclides. Properties: ground state, nuclear angular momentum, nuclear magnetic dipole moment, nuclear electric quadropole moment, abundances, and thermal neutron absorption cross sections; ground-state decay, metastable-state decay, reaction data, mass-spectrometer data, and mass links. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837.

Nuclear Data Sheets - Nuclear Data Tables - by subscription - GPO
NAS/NRC

600

NUCLEAR ENERGY DOCUMENTATION

Warrentappstrasse 40-42, Frankfurt am Main 13, Germany
(Gmelin Institute)

Material from U.S.AEC, literature from national atomic energy establishments of various countries, from learned societies, and from industry. A special effort is made to obtain from the U.S. and the West European countries patents and conference papers as soon as those become available.

601

NUCLEAR INFORMATION CENTER

11 Charles II Street, London SW1, England
(UK Atomic Energy Authority)

Classified reports, indexes and abstracts of atomic energy literature.

602

"NUCLEAR SCIENCE ABSTRACTS"

Atomic Energy Commission, Washington 25, DC

Abstracts from journals, books, technical reports, patents and other sources in all areas related to nuclear science. Author indexes, subject indexes, annual index and 5/yr. cumulative index. Since 1947. Semimonthly - \$18.00/yr. - 22,000 abstracts/yr.

"NYSEM BIBLIOGRAPHY, IMMUNOLOGY AND SEROLOGY"

2 E 63rd Street, New York 21, NY

(New York Society of Electron Microscopists)

Quarterly, indicative abstracts, subject classification, quinquennial cumulations in book; electron microscopes and accessories, biochemical substances, microscopy, particulate material, physical properties and reactions of solids, plant and animal cytology, plant and animal histology, solid surfaces, specimen preparation, thin films and fibers, viruses and rickettsia.

Bibliography - 800 items

603A

OAK RIDGE NATIONAL LABORATORY

Oak Ridge, Tenn.

(Atomic Energy Commission)

ONL is responsible for development of shielding and other reactor materials, for nuclear applications within ACC, DOD, and industry. Information is disseminated through the Technical Information Service Extension. Collection includes unpublished data, government and industry reports and open literature. Search facilities are provided, abstract and accession lists published, questions answered and consultation performed. Publishes "Bulletin of the Biology Division" - Atomic energy applications to biology.

see also:

Reactor Controls System Engineering Abstracts

604

"OAR PLANNED SYMPOSIA (RCS: ARDC-R27)"

Tempo "D", Washington 25, DC

(Office of Aerospace Research)

Arranged chronologically giving title of symposium, classification, sponsor and participants, date, place, number of invitees, cost to Air Force.

OCEANOGRAPHIC DATA CENTER

see:

"National Oceanographic Data Center"

OFFICE OF AEROSPACE RESEARCH

see:

"OAR PLANNED SYMPOSIA (RCS: ARDC-R27)"

"Quarterly Index of Technical Documentary Reports (RCS: ARDC-R8)"

Status of Research Proposals (RCS: AFRD-1)

"Basic Research Resumes"

"European Office Activity Report"

"European Office Bibliography of TN & TR"

Project ECHO

605

OFFICE OF BASIC INSTRUMENTATION

National Bureau of Standards, Washington 25, DC

Surveys literature and unpublished references for the instrumentation field. Publishes a progress report relating to publications and reports received. Performs bibliographic service. Makes references to ASTIA documents. Navy supported.
Semiannual progress report.

606

OFFICE OF BIOLOGICAL HANDBOOKS

9650 Wisconsin Avenue, Washington 14, DC - OL 6-6100

(Federation of American Societies for Experimental Biology)

Collects, analyzes, and compiles tables of quantitative data for publication as reference handbooks in various fields of biology.

OFFICE OF CIVIL & DEFENSE MOBILIZATION

see:

Natural Resource Evaluation Center

607

OFFICE OF CRITICAL TABLES

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100, ext. 388
(National Research Council)

Surveys needs for critical tables of numerical data, stimulates preparation, develops editorial standards for presentation, provides central indexing and directory service with respect to all projects in progress.

Books, tables, looseleaf sheets - GPO; some free to Government agencies.

608

OFFICE OF DOCUMENTATION

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100
(National Research Council)

Covers documents of interest of NRC, publishes some handbooks, accomplishes research on and maintains international references on documentation. Has staff and publication responsibilities.

Covers storage, retrieval, dissemination problems.

Consultation, handbooks, publications

OFFICE OF EDUCATION

see:

Educational Research Materials

OFFICE OF NAVAL MATERIEL

see:

Contract File

OFFICE OF NAVAL RESEARCH

see:

"List of Subject Headings"

"Naval Research Logistics Quarterly"

"London Technical Reports"

"European Scientific Notes"

"Survey of Naval Sciences"

"Naval Human Engineering Bulletin"

Naval Research Laboratory

Naval Training Device Center

"Microbiology Abstracts"

"DD-613 Index"

"Navy Technical Forum"

"Progress Report Abstracts"

Hibernation Information Exchange

"Technical Progress Report"

"Navy Journal of Underwater Acoustics"

OFFICE OF NAVAL RESEARCH (Cont'd)

Submarine Integrated Control Advisory Committee - SUBIC

Summary Statement

Surface Integrated Control - SURIC

"Contractor Reports Digest"

State of Knowledge Summaries

Man-Machine Information Center (MMIC)

609

OFFICE OF TECHNICAL INFORMATION EXTENSION

Atomic Energy Commission, Oak Ridge, Tenn.

Master collection of literature in all fields of atomic energy.

Acquires, catalogs and bibliographically organizes technical information in atomic energy. Disseminates scientific and technical reports to AEC offices and contractors, other Government agencies and their contractors, foreign governments having exchange agreements, USAEC depository libraries, copies to OTS for sale to public. Prepares following abstract journals: Nuclear Science Abstracts, Abstracts of Classified Reports, Abstracts of Weapon Test Reports. Performs literature searches and prepares bibliographies routinely and upon request. Arranges for translations of foreign literature in atomic energy. Prints scientific and technical reports, conference proceedings and other technical documents.

Request, if substantiated

610

OFFICE OF TECHNICAL RESEARCH

15 W 16th Street, New York, NY - WA 4-0420

(American Foundation for the Blind)

R&D work in sensory aids, communications engineering, testing, adaptive services for blind and deaf-blind. Performs search, loan and evaluation services.

611

OFFICE OF TECHNICAL SERVICES

Department of Commerce, Washington 25, DC - DU 6-1224

Collects U.S. Government research reports and translations from all languages in all fields of science and technology and provides for the release to the public of this information and other services listed separately. Has copying service and original copies are retained for sale.

Reports, abstracts, newsletters, OTS

see also:

"Technical Reports Newsletter

"News Release"

"Current Review of the Soviet Technical Press"

Catalogs of Technical Reports

Library & Reference Service

Government Research Reports

OFFICE OF TECHNICAL SERVICES (Cont'd)

"Technical Translations"
Technical Inquiry Service
Technical Information Center
"Soviet Abstracts, Biology, Chemistry & Physics"
"Current Review of the Soviet Technical Press"
"Commercial Standards"
"Publications Bureau Reports"
Research Data & Information Services Programs
"Scientific Information Report"
"Selective Bibliography"

612

OFFICE OF THE CHIEF ENGINEER - FCC

Federal Communications Commission, Washington 25, DC - EX 3-3659
Maintains cognizance of and answers inquiries regarding past and
current R&D activities of the FCC.
Answering service

613

OFFICE OF THE CHIEF OF ORDNANCE

U.S. Army, Washington 25, DC
(Army)
Maintains collection of open literature, Government and industrial
research reports and unpublished data. Prepares abstracts, lists
reviews and basic documents. Publishes handbook on rubber materials.
Reviews, consultation

614

OFFICE OF TRANSDUCER INFORMATION

Diamond Ordnance Fuze Laboratories, Room 1W29, Bldg. 92, Washington
25, DC - EM 2-8000, ext. 7576
(Army)
Collects information on transducers, availability, application,
characteristics.
Consultant

615

"OFFICIAL GAZETTE"

Patent Office, Washington 25, DC - ST 3-9200
Weekly, patent and trade mark entries a year; numerically under each
of three groups, accompanied by inventory and subject indexes, annual
inventor index, domestic and foreign. General, mechanical, chemical,
and electrical patents.
Indexes - GPO

OHIO STATE UNIVERSITY

see:

"Antenna Laboratory Publications"

OLIN MATHIESON CHEMICAL CORPORATION

see:

"Current Literature Abstracts Bulletin"

616

OPERATION COST REPORT BY ARDC PROGRAM STRUCTURE (RCS: ARDC-C82)

Andrews AFB, Washington 25, DC -

(AFSC)

Organization, program structure, project number, funds (P610, P680, P690), SSV code.

Quarterly

617

OPERATIONS ANALYSIS OFFICE

USAF, Washington 25, DC

(Air Force)

prepares reports, project summaries, abstracts, semiannual "Operations Analysis Summary Report"

618

"OPERATIONS ANALYSIS PUBLICATIONS INDEX"

Operations Analysis Office, USAF, Washington 25, DC

Annual index covering Operations Analysis Office reports along with abstracts.

"OPERATIONS ANALYSIS SUMMARY REPORT"

see:

Operations Analysis Office

619

"ORAL BACTERIOLOGY: A BIBLIOGRAPHY"

Science & Technology Division, Washington 25, DC

(Library of Congress)

620

"ORAL SURGERY, ORAL MEDICINE, & ORAL PATHOLOGY"

3207 Washington Blvd., St. Louis 3, Mo.

(C. V. Mosby Company)

Abstracts of current literature. Monthly, informative abstracts, annual subject and author indexes. Dental department Armed Services, endodontics, oral medicine, oral pathology, oral surgery, periodontia.

Abstracts, indexes - \$15.00 - 60-100 items

621

ORDNANCE BASIC RESEARCH

Box CM, Duke Station, Army Research Office, Durham, NC

(Army)

Publishes report containing progress summaries and technical reports listing, with subject, author and contract indexes.

623

ORGANIC CHEMICALS

Monsanto Chemical Company, St. Louis 77, Mo.

Organic chemistry; type: laboratory records of the production of chemical compounds and of screening tests.

20,000 compounds

624

"ORGANIC ELECTRONIC SPECTRAL DATA, INC."

Department of Chemistry, University of Louisville, Louisville, Ky..

Collects and publishes spectral data for all reported bands in the ultraviolet spectra of organic compounds.

Spectra data

625

ORGANIC RESEARCH

Monsanto Chemical Company, St. Louis 77, Mo.

Chemistry, biology, agriculture, medicine, engineering, and pure and applied sciences, with emphasis on organic chemistry; type: nonbook and nonperiodical publications, such as Government reports and pamphlets, seminars, and technical society special publications.

2,000 items

"ORSZAGOS MUSZAKI KONVYTAK"

see:

"Hungarian Technical Abstracts"

OVER THE HORIZON DETECTION

see:

Advanced Research Projects Agency, ARPA

OWENS-ILLINOIS GLASS COMPANY

see:

Technical Data Service

OXFORD UNIVERSITY

see:

"Baker Index of Crystals"

"Documentation on Molecular Spectroscopy"(DMS)

628

PACIFIC SCIENCE INFORMATION CENTER

Bernice P. Bishop Museum, Honolulu 17, Hawaii - 85951

A clearing house for exchange of information on geography, natural history and social sciences of Pacific area. Covers human biology, history, social sciences of all types.

629

PACIFIC SOUTHWEST FOREST & RANGE EXPERIMENT STATION

Box 245, Berkeley 1, Calif. TH 1-5121

Biological and physical data on forest and range ecology, hydrology and meteorology along with pathology and entomology covered.

Physics and chemistry of combustion are included. Has answering service, document loan service and prepares literature reviews.

PAN AMERICAN COLLEGE OBSERVATORY

see:

Association of Lunar & Planetary Observers, Comets Section

PARKE, DAVIS & COMPANY

see:

Biological Information on Chemical Compounds

PARKS INTERNATIONAL PUBLICATIONS INC.

see:

"Electronics Digest"

630

"PATENT ABSTRACT SERIES"

Patent Office, Washington 25, DC - ST 3-9200

Abstracts of several thousand Government owned inventions.

Abstracts - OTS - 15 volumes

631

PATENT CLEARINGHOUSE

1120 National Press Building, Washington 4, DC

Publishes abstracts of Government royalty free patents in the fields of chemistry, metallurgy, aerospace technology, transportation, electrical and electronics technology, ordnance, ceramics, atomic energy and others. Furnishes answering service for inquiries with a check list for a new patent applicant.

Semimonthly abstracts

632

PATENT FILE, FOODS & FOOD MACHINERY

1425 W 42nd Street, Chicago 9, Ill.

(Armour & Company)

Foods and food machinery, chemistry and chemistry technology; pharmaceutical, leather and leather machinery; type: patents.

5,500

633

PATENT INFORMATION, SYNTHETIC FIBERS AND FILMS

Du Pont, E.I. de Nemours & Company, Inc., Wilmington, Del.

Technology of synthetic fibers and films; type: internal research reports of textile fibers and film departments.

15,000

634

PATENT INTELLIGENCE FILE COMPANY

187 Olive Street, New Haven 11, Conn.

Supplies a copy of any patent abstract as published in the U.S.

Patent Official Gazette over the past 40 years.

Patent copies, - fee

635

PATENT OFFICE

Washington 25, DC - ST 3-9200

In addition to formalized systems, the Patent Office has a mechanical storage and retrieval system for patent screening and to relate technical questions to patents. Maintains a file covering Resins on punch card reference system. Started 1958. Maintains a punch card reference system on Organic Phosphorus compounds. Started 1959.

see also:

"Official Gazette"

Steroid Compounds

Scientific Library

"Patent Office R&D Reports"

"Patent Abstract Series"

U.S. Patent Office

636

"PATENT OFFICE R&D REPORTS"

Patent Office, Washington 25, DC - ST 3-9200

A listing of special reports published.

PENNSYLVANIA STATE UNIVERSITY

see:

Groth Institute

"Catalog of Fossil Spores & Pollen"

PEP

see:

Program Evaluation Procedure

PERGAMON PRESS

see:

"International Abstracts of Biological Sciences"

"Journal of Microbiology, Epidemiology & Immunobiology"

"Vacuum - Classified Abstracts"

"ACTA Metallurgica"

PERGAMON PRESS (Cont'd)

"Journal of Nuclear Energy"

"Selected Abstracts from the Abstracts Journal, Metallurgy"

"Chemical Engineering Science"

"Physics & Chemistry of the Earth"

638

PERMANGENATE INFORMATION SERVICE

1375 - 8th Street, LaSalle, Ill. CA 3-1500

(Carus Chemical Company)

Collects information on manganates and permanganates covering chemical, physical, biological physiological, medical and industrial applications. Literature search evaluation and consultant service.

Fee

639

PERSONNEL ANTI-FRAGMENTATION EQUIPMENT: BIBLIOGRAPHY

Library of Congress, Science & Technology Division, Washington 25, DC

PERT

see:

Program Evaluation Review Technique

640

PETROLEUM

Paulsboro, NJ

(Socony Mobil Oil Company)

Petroleum chemistry and technology. Type: technical journal articles, technical reports, reprints, preprints, and patents.

PETROLEUM RESEARCH CORPORATION

see:

Geology and Paleontology of Rocky Mountain Region

641

PHARMACEUTICAL & MEDICINAL CHEMISTRY LITERATURE

Lilly Research Labs., Eli Lilly & Company, Indianapolis 6, Ind.

Antibacterial and antifungal compounds which originate from micro-organism fermentation. Type: abstracts from foreign and domestic publications pertaining to organic chemistry, biochemistry, pharmacology, and nutrition.

800 antibiotics/3 cards ea.

642

PHARMACOLOGY RESEARCH INCORPORATED

21 Main Street, Darby, Pa. - LU 6-0707

Accumulates analytical data on Rhesus monkeys, covers hematological, dentition, growth rate, organ weight and related data.

643

PHASE DIAGRAMS FOR CERAMISTS

National Bureau of Standards, Washington 25, DC - EM 2-4040, ext. 487
Systems of interest to ceramists, phase diagrams for one-, two-, three-,
and multi-component systems. American Ceramic Society furnishes in-
put. Directory of Continuing Numerical Data Projects, Office of
Critical Tables 1961, NAS/NRC Publication 837.
Book form - ACS, 4055 N High Street, Columbus 14, Ohio

644

PHENOMENA IN THE ATMOSPHERE, I: OPTICAL PHENOMENA

Air Information Division, Library of Congress, Washington 25, DC
Based on literature available in the Library of Congress, primarily
originating in the 1955-1960 period. Annotations and L/C card
numbers are included where available.

645

PHENOMENA IN THE UPPER ATMOSPHERE: REVIEW OF SOVIET LITERATURE

Air Information Division, Library of Congress, Washington 25, DC
Abstracts from Soviet journals covering radiation, ionosphere,
Van Allen belts, and related technology. Started 1960.
Monthly - OTS - 100 abstracts/yr.

646

PHILIPS LABORATORIES

Library, Philips Labs., Irvington-on-Hudson, NY - LY 1-8400
Collects reports and published material on semiconductors, cryogenics,
magnetics, radiation counters and underwater acoustics.

PHILLIPS PETROLEUM COMPANY

see:

Technical Information Section
"Gamma Ray Spectrum Catalogue"

647

"PHOTO-INTERPRETATION TECHNIQUES": BIBLIOGRAPHY

Science & Technology Division, Library of Congress, Washington 25, DC

PHYSICAL SOCIETY

see:

"Reports on Progress in Physics"

648

"PHYSICS ABSTRACTS"

Savoy Place, London WC2, England
(Institute of Electrical Engineers)

Broad technical area coverage of physics and related fields. Published
since 1898, about 9000 abstracts per year from 600 journals. Monthly
author and annual author and subject indexes.
Monthly abstracts - \$10.90/yr.

649

"PHYSICS & CHEMISTRY OF THE EARTH"

122 E 55th Street, New York 22, NY

(Pergamon Press)

Review papers and references with author and subject indexes. Started 1956.

Annual - 1475 references/yr.

650

"PHYSICS EXPRESS"

1909 Park Avenue, New York 35, NY

(International Physical Index, Inc.)

About 500 informative abstracts and condensations from Russian Journals a year. Author index, covers most aero/astro sciences.

10 issues/yr. - \$57.50/yr..

651

"PHYSICS OF FLUIDS"

57 E 55th Street, New York 2, NY

(American Institute of Physics)

Collects, collates, interprets, and edits important original current research papers in the field of fluid physics. Topics include: kinetic theory, statistical mechanics, structure and general physics of gases, liquids and other fluids, as well as certain basic aspects of physics or fluids bordering geophysics, astrophysics, biophysics and other fields of science. The scope of these fields of physics includes: magneto-fluid dynamics, ionized fluid and plasmaphysics, shock and detonation wave phenomena, hypersonic physics, rarefied gases and upper atmosphere phenomena, physical aeronomy, transport phenomena, hydrodynamics, dynamics of compressible fluids, boundary layer and turbulence phenomena, liquid state physics, and superfluidity.

652

"PHYSIKALISCHE BERICHTE (PHYSICS REPORTS - NEWS)

Mohrenstrasse 39, Berlin W8, E Germany

(Akademie-Verlag GmbH)

German abstracts from 75 journals, other books, Government publications, including monthly and annual author indexes. About 13,000 abstracts/yr.

Monthly publication - DM 124/yr.

653

PLANT VIROLOGY (PHYTOVIROLOGY)

University of Illinois, Urbana, Ill, - EM 7-6611

Phytopathology (plant virology); type: information from appropriate scientific journals or abstracting periodicals. Collects articles, maintains index, covers phytopathology, disease control host range, viruses, etc.

32,000 items

PLASTEC

see:

Plastic Technical Evaluation Center

654

PLASTIC COATINGS & FILMS ASSOCIATION

343 Lexington Avenue, New York 16, NY

Collects information on synthetic leather, plastic coatings, non-metallic materials, films.

655

"PLASTICS FOR FLIGHT VEHICLES (MIL HANDBOOK 17 - Part I)"

Forest Products Laboratory, Madison 5, Wisconsin

Collects and surveys literature and reports on reinforced plastics. Maintains documents file with copying service. Reviews and abstracts preparation, question answering service. This handbook covers test methods and design data. A-N-AF support.

Handbook

656

PLASTICS TECHNOLOGY

630 Third Avenue, New York 17, NY

Abstracts covering plastics materials, applications and related areas.

Started 1955, from books, patents, technical reports, 30 journals and other sources, annual subject index.

Monthly - \$7.00/yr. - 640 abstracts/yr.

657

PLASTIC TECHNICAL EVALUATION CENTER (PLASTEC)

Picatinny Arsenal, Dover, NJ - FO 6-0701

(Army)

Collect, evaluate, disseminate and store all available technical information on plastics. Assist in solving problems related to military equipment containing plastics. Prepares state-of-the-art reports. Consultant and technical assistance. Publishes and distributes abstracts and accession lists.

658

"POLISH TECHNICAL ABSTRACTS"

Aleja Niepodleglosci 188, Warszawa, Poland

(Centralny Instytut Dokumentacji Naukowo-Technicznej)

Abstracts since 1951, about 4,550 abstracts a year in Russian and

English from 37 journals also from books, pamphlets. Annual author index, broad technical area coverage.

Quarterly abstracts - on exchange only

659

PORCELAIN ENAMEL INSTITUTE INCORPORATED

1145 - 19th Street, NW, Washington 6, DC - FE 8-5520

Porcelain enamel materials, techniques, products, properties, uses.

660

"POWER EXPRESS"

1909 Park Avenue, New York 35, NY
(International Physical Index, Inc.)

Abstracts of Russian journals on power, components, instrumentation and related technology including atomic power. Started 1959, with author index.

abstracts - \$57.50/yr. - 500 abstracts/yr.

661

POWER INFORMATION CENTER

Moore School Bldg., 200 S 33rd Street, Philadelphia 4, Pa. - EV 2-8683
(Interagency Group for Flight Vehicle Power)

A-N-AF, AEC, NASA, ARPA sponsored. Collects information on contracts and research progress in secondary power areas: electro-chemical, electro-magnetic, mechanical, photo-electric, thermo-electric, thermionic, miscellaneous. Also coded by power source: chemical, solar, nuclear. Output at present limited to approximately 420 single sheet project briefs, coded by sequence number, and as above. Mailing list of several hundred names in supporting agencies, plus qualified contractors. Future plan is to put out abstracts and indexes, and furnish reports.

Single sheet project briefs - Contractor - thru project officer - 420 sheets

663

PREVENTION OF DETERIORATION CENTER

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100
(National Research Council)

Published and unpublished information relating to the deterioration of materials and equipment caused by national and induced, operational, or hyper environmental factors. Journals and periodicals, abstract journals, and Government literature. Foreign literature. Literature searches, references, answers to specific technical questions, location identification, materials or commodities, current R&D projects, state-of-the-art reviews. Publishes "Prevention of Deterioration Abstract".

Abstracts, newsletter, reports, listings - by request

PRINCETON UNIVERSITY

see:

American Lithium Institute
Textile Research Institute

664

"PRIVATE R&D ORGANIZATIONS IN THE WASHINGTON METROPOLITAN AREA"

1616 K Street, NW, Washington 6, DC - ST 3-3535
(Washington Board of Trade)

A listing of basic and applied research organizations, not part of the Government, in the Washington Metropolitan area.

Irregularly revised

665

"PROBLEMS GUIDE - ARO PROBLEMS"

Arlington Hall (Bldg. A, room 2410), Arlington 12, Va. - JA 5-5800
(Army)

A clear concise statement of the Army's needs. A listing of problems of ARO. Divided into technical areas such as Human Sciences, physics, chemistry. Intended to be revised annually, first report out 1960.

Annual report - by request

666

"PROBLEMS GUIDE - CHEMICAL CORPS"

Advanced Planning Division, Chemical Corps R&D Command, Bldg. T-7,
Gravelly Point 25, DC

(Army)

A clear, concise statement of the Chemical Corps needs, problems listed, divided into technical areas such as human sciences, physics, etc. Started 1960.

Annual report

667

"PROBLEMS GUIDE - CORPS OF ENGINEERS"

Engineer R&D Laboratory, Ft. Belvoir, Va.
(Army)

A clear concise statement of the Army's problems in the Corps of Engineers. A listing of R&D problems. Annually revised, first published 1960. Divided into technical areas such as: physics, chemistry, etc.

Annual report - by request

668

"PROBLEMS GUIDE - ORDNANCE CORPS"

Army Ballistic Missile Agency, Redstone Arsenal, Ala.
(Army)

A list of Ordnance Corps problems. Annually revised, first published 1960. Divided into technical areas such as: physics, chemistry, etc.

Annual report - by request

670

"PROBLEMS GUIDE - SIGNAL CORPS"

Signal R&D Laboratory, Fort Monmouth, NJ
(Army)

A listing of Signal Corps problems. Annually revised, first published 1960. Divided into technical areas such as: physics, life sciences, etc.

Annual report - by request

PROCTER & GAMBLE COMPANY

see:

Technical Information Service

672

PRODUCT DEVELOPMENT LIBRARY

5th & Cary Streets, Richmond 18, Va. - MI 3-8581

(Reynolds Metals Company)

Selects and collects information on aluminum, its alloys, their physical and mechanical properties along with other non-ferrous alloys.

673

PROGRAM EVALUATION PROCEDURE

Andrews AFB, Washington 25, DC - RE 5-8900

(AFSC)

Networks: visual portrayal of planned sequence and interrelationships of a program, time estimates - time values assigned an activity in a network. Reports system to advise management of situations requiring decision and action. Management technique for all large scale, complicated or costly programs. At present used by GAM-87 (DYNASOAR) and Minuteman. Plan to use for B-70 and one of command and control systems. Name changed to "PERT" to concur with Navy.

674

PROGRAM EVALUATION REVIEW TECHNIQUE (PERT)

Special Projects Office, Navy Department, Washington 25, DC

OX 6-7216

(Navy)

A management control tool for defining and integrating what must be done to accomplish program objectives on time. Part of Fleet Ballistic Missile Program. See also: AF System designated as PEP, now renamed "PERT".

675

PROGRESS REPORT ABSTRACTS

Office of Naval Research, Washington 25, DC - OX 6-7782

Annually, author index, controlled request, microbiology.

Abstracts - 75/yr.

676

PROJECT ECHO (EXPERIMENTAL CONTRACT HIGHLIGHT OPERATION)

2521 Connecticut Avenue, NW, Washington 8, DC

(Documentation, Inc.)

Project ECHO is a highly mechanized system for the subject and management analysis of Government R&D contracts. Current effort is concerned with experimentation in the organization, coding, storage, search, and dissemination of information on research projects as an aid in the management of research programs, with special emphasis on problems involving the integration of numerical and non-numerical technical management information.

1,200 items

"PROPELLANTS POWDER MANUAL" & "PROPELLANT POWDER INGREDIENTS MANUAL"
see:

Solid Propellant Information Agency

677

"PROVIDING U.S. SCIENTISTS WITH SOVIET SCIENTIFIC INFORMATION"

National Science Foundation, Washington 25, DC - ST 3-2140

Furnishes sources and types of information available on scientific work in the Soviet Union.

Revised irregularly

PROVISIONAL INTERNATIONAL COMPUTATION CENTRE

see:

"Bulletin of the Provisional International Computation Centre"

678

"PSYCHOLOGICAL ABSTRACTS"

1333 16th Street, NW, Washington 6, DC

(American Psychological Association)

Informative abstracts, annual author and subject indexes. Psychology and related fields of interest to psychologists. Started 1927, covers books, technical reports and about 500 journals with annual author and subject indexes.

Bimonthly - \$16.00/yr. - 10,000/yr.

678A

PSYCHOPHARMACOLOGY SERVICE CENTER

National Institutes of Health, Bethesda 14, Maryland - OL 6-4000

Organic chemistry, animal psychology, pharmacology and clinical psychiatry and psychology. Publishes monthly abstracts.

679

"PSYCHOSOMATIC MEDICINE - ABSTRACTS OF PERIODICAL LITERATURE"

49 E 33rd Street, New York 16, NY

(American Psychosomatic Society, Inc.)

Bimonthly; informative abstracts. Psychosomatic medicine, psychophysiology correlations (anthropology, biochemistry, medicine, psychology, physiology, sociology.)

680

"PUBLICATIONS"

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

(National Research Council)

Anthropology and psychology, atomic radiation, biology, chemistry and biochemistry, earth sciences, electrical engineering and radio, highway research, International Geophysical Year, manpower, mathematics, medical sciences, nuclear science, operations research, Pacific science, patent policy, physical sciences, transportation, undersea research.

Abstracts, entries - by request - 1,000 items

681

"PUBLICATIONS BUREAU REPORTS"

Office of Technical Services, Washington 25, DC - ST 3-5200

Collects technical reports from Department of Commerce, Bureau of Standards, FAA, Department of Interior, some DOD contractors, etc. Copy service.

Reports - OTS - 125,000 reports/mo.

682

"PUBLICATIONS OF THE GEOLOGICAL SURVEY"

U.S. Geological Survey, Washington 25, DC

(Geological Survey)

Annual, monthly and quinquennially, subject and author indexes.

Publications of the U.S. Geological Survey.

Indexes, publications - 50-70 reports, 1,200 maps

684

"PUBLICATIONS OF THE SCHOOL OF AVIATION MEDICINE"

USAF Aerospace Medical Center, Brooks AFB, Texas

(School of Aviation Medicine)

A numerical listing with subject and author indexes, covers research reports on human beings, veterinary.

List

685

"PUBLIC HEALTH ENGINEERING ABSTRACTS"

Department of Health, Education & Welfare, Washington 25, DC

Monthly, abstracts, annual author, subject and publication indexes.

Atmospheric pollution, garbage and other refuse; insect and insect-borne diseases; milk and other foods and shellfish sanitation, occupational health, public health, radiological health and safety; recreational sanitation (bathing beaches, swimming pools, public parks, and camps), sewerage, industrial wastes, water pollution, etc.

Abstracts, indexes - \$2.00 - 2,200 abstracts

686

PUBLIC SERVICE PROJECTS DEPARTMENT

256 Washington Street, Mt. Vernon, NY - MO 4-6400

(Consumers Union)

Covers physical, chemical and medical data related to air pollution, water pollution, radioisotopes in foods and related work.

Consultation

687

PUBLISHED MATERIALS FILE

P.O. Box 8, Clarkwood, Texas

(Cel-nese Corporation of America)

Journal articles, reprints, patents, photocopies, and other published material on chemistry and chemical technology.

5,200 items

PURDUE UNIVERSITY

see:

"Thermophysical Properties Research Center (TPRC)"

"Master's Thesis & Doctoral Dissertations"

Hypersonics File

688

QM FOOD & CONTAINER INSTITUTE

QM R&E Command, 1819 W. Pershing Road, Chicago 9, Illinois - LA 3-5500
(Army)

Covers food, packaging and related areas.

689

"QUARTERLY ACTIVITY REPORT"

European Research Office - US Army, Frankfurt/Main, Germany
(Army)

Listing of R&D projects sponsored in Western Europe, new proposals,
reports developed on contract.

Quarterly listing - Army Research Office, Arlington Hall, Va.

690

"QUARTERLY INDEX OF TECHNICAL DOCUMENTARY REPORTS (RCS: ARDC R-8)"

Tempo "D", Washington 25, DC - WO 2406

(Office of Aerospace Research)

Lists the technical reports published by ARL, CRL, OSR, during the
reporting period arranged in three sections: a. numeric by report
number (also by ARL, CRL, OSR), showing secondary report number,
title and classification of title, author, date, published, contract
number, originating agency (contractor); b. alpha by contractor,
numeric by contract number and report number; c. numerical list of
contract number with contractor's name. In addition, gives sym-
posia proceedings and miscellaneous publications.

Quarterly

691

"QUARTERLY REPORT"

Naval Radiological Defense Laboratory, San Francisco, Calif.

Report of progress in their technical program. A compilation of
papers.

Quarterly for development in last quarter - no annual compilation

692

"QUARTERLY REVIEW OF BIOLOGY"

2000 P Street, NW, Washington 6, DC

(American Institute of Biological Sciences)

Covers the broad area of biological technology with book reviews
along with ten brief notices each year. Annual author index.

Started 1926

Quarterly - \$10.00/yr. - 400 reviews/yr.

693

RADIATION EFFECTS & SHIELDING HANDBOOK

Convair, Ft. Worth, Texas

Maintains collection of industrial and Government reports on radiation effects and shielding. This source is used to furnish documents for distribution, review reports, accession lists, abstracts, answers to specific technical questions and consultation services. Documents, abstracts, questions, consultation

694

RADIATION EFFECTS INFORMATION CENTER

505 King Avenue, Columbus 1, Ohio - AX 9-3191

(Battelle Memorial Institute)

Maintains articles, reports and unpublished data on radiation effects. Effects of radiation of biological systems are excluded. Publishes state-of-the-art reports, abstracts and summaries, accession lists (monthly). Provides consultant and advisory services.

695

RADIOACTIVITY RESEARCH CENTER

University of California Medical Center, San Francisco, Calif.

MO 4-3600, ext. 239

Covers applications of radioactivity to research.
Consultation

RADIO CORPORATION OF AMERICA

see:

"Index to RCS Technical Papers"

RADIO-ELECTRONICS PATENT SERVICE

see:

"Electronics Patent Service"

RADIO MAGAZINE INCORPORATED

see:

"Lectrodex"

RAND CORPORATION

see:

"Index of Publications"

696

RCS REPORTS - HQ USAF

Comptroller, Room 1D124, Washington 25, DC - OX 7-3140

(Air Force)

Maintains about 700 controlled reports covering all aspects of budgetary, personnel, administrative and operational information. Reports, machine listings - Comptroller

697

R&D CONTRACTS & PURCHASE ORDERS (RCS: ARDC-C61)

Andrews AFB, Washington 25, DC

(AFSC)

Contains 22 items of information such as center, contract number, contractor, project, effective date, completion date, obligations, etc.

Monthly report

698

R&D MANPOWER PROGRAM SUMMARY (RCS: ARDC-D33, ARDC Form 109)

Andrews AFB, Washington 25, DC

(AFSC)

Center responsible for system or project, work organization, responsible organization, system, project, man-hour data.

Quarterly report

699

R&D PROGRAM STATUS REPORT (RCS: 1-AF-D21)

Andrews AFB, Washington 25, DC

(AFSC)

Presents programming performance information for the current and preceding fiscal year, i.e., center, budget project, program structure, project number, funds required, approved, initiations, commitments and obligations.

Quarterly report

700

RD&E PROJECT CARD (DD FORM 613, 613c, RCS: DD-DR&E(AF)400)

Andrews AFB, Washington 25, DC

(AFSC)

Annual progress or termination report used in 500 thru 800 program areas. Gives such information as date, project title and number, directing agency, contracts, requirement and/or justification, brief of project and objective, tasks, future plans and funding. Attachments to the 613 (to make a complete package of the project plan) are: 613c - task summaries, industrial facility justification, resources summary; AF Form 161 - D/AF Project Justification Data; ARDC Form 116 - Project Fund Summary; ARDC Form 103, Program Schedule. (see DD-613 Program)

Annual report

701

RD&E QUARTERLY PROGRESS REPORT

R&E Development, Testing & Evaluation, Bureau of Naval Weapons, Washington 25, DC

Comments on all areas of program.

Quarterly summaries

701A

REACTOR CONTROLS SYSTEM ENGINEERING ABSTRACTS

Reactor Controls Department, Oak Ridge, Tenn.
(Oak Ridge National Laboratory)

Reactor control system engineering; type: reports issued by the Atomic Energy Commission, its contractors, and certain other sources reviewed in "Abstracts of Classified Reports".

3,900 reports

702

REACTOR CORE MATERIALS

505 King Avenue, Columbus 1, Ohio - AX 9-3191
(Battelle Memorial Institute)

A quarterly review of all information on reactor core materials.
Quarterly

703

REACTOR PHYSICS CONSTANTS CENTER

Argonne National Laboratory, 9700 S Cass Avenue, Argonne, Ill.
CL 7-7711

(Atomic Energy Commission)

Physical data on reactor constants, nuclear physical data on diffusion lengths, fermiage, slowing-down constant, etc.

Data, consultation

704

"REFERENTIVNYI ZHURNAL ASTRONOMIYA, GEODESIYA"

Institut Nauchnoi Informatsii, Moscow, USSR
(Akad Nauk SSSR)

Abstracts covering astronomy, geodesy with author and subject indexes. Started 1953.

Monthly - 115.20 rub/yr. - 8000 abstracts/yr.

705

REFERENCES ON FATIGUE

1916 Race Street, Philadelphia 3, Pa.

(American Society for Testing Materials)

Annually abstracts, author index, fatigue of materials.

Abstracts, indexes - \$3.00 - 130 abstracts/yr.

706

REFLECTOTHERM LABORATORY

26 E University Avenue, Cincinnati 19, Ohio - GA 1-3791

Collects existing information and laboratory research on infrared radiant heat transfer.

707

REFRIGERATION RESEARCH FOUNDATION

12 N Meade Avenue, Colorado Springs, Colorado - ME 3-2801

Collects information on handling of perishable commodities, including batteries, transistors, tires and others.

"REIC ACCESSION LIST"

see:

Radiation Effects Information Center

708

"REPORT OF NRL PROGRESS"

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Monthly report of R&D Progress by technical area. Indicates accomplishments of NRL since previous report. Compilation of papers.

Monthly bound report - no annual compilation

709

"REPORT ON SCIENTIFIC RESEARCH PROJECTS"

Tennessee Valley Authority, Knoxville, Tenn.

Contains summaries of scientific research projects completed during the previous fiscal year. Prepared in September. Includes a succinct description, including title and abstract, of each project alphabetically arranged by major subject category. A subject index is appended to each report. Subject areas are agronomy, biology, forestry, chemistry, engineering, mathematics, economics.

137 projects

710

REPORTS FILE, CHEMISTRY & CHEMICAL TECHNOLOGY

1425 W 42nd Street, Chicago 9, Ill.

(Armour & Company)

Chemistry and chemical technology, foods, nutrition, and leather; type: internal records, including reports, memoranda, and correspondence.

3,500

711

"REPORTS ON PROGRESS IN PHYSICS"

1 Lowther Gardens, Prince Consort Road, London SW7, England
(Physical Society)

Reports with author and subject indexes. Published since 1934.

Semiannual reports - \$3.50/yr.

712

"RESEARCH AND DEVELOPMENT ON HIGH TEMPERATURE ADDITIVES - LUBRICANTS & HYDRAULIC FLUIDS"

Monsanto Chemical Company, Everett, Mass.

A literature search was completed and abstracts and a set of IBM cards prepared on additives. AF supported.

11,861 abstracts

713

"RESEARCH AND DEVELOPMENT RESOURCES REPORTS"

National Science Foundation, Washington 25, DC - ST 3-2140

R&D budgets and expenditures of government agencies, industrial organizations, colleges, universities, etc.

714

RESEARCH & SPECIAL STUDIES

Air University, Maxwell AFB, Alabama

Operational and military studies of all management and administrative aspects of the Air Force, and related problems.

Studies, Air University

RESEARCH ASSOCIATION OF BRITISH RUBBER MANUFACTURERS

see:

"Rubber Abstracts"

715

RESEARCH DATA & INFORMATION SERVICES PROGRAMS

Office of Technical Services, Washington 25, DC - ST 3-5200

Defines U.S. establishments, public and private which are engaged in research, development, production and testing activities.

Constantly surveys the field communication and dissemination of technical information to determine success of information distribution and develop better methods of dissemination.

716

RESEARCH INFORMATION CENTER & ADVISORY SERVICE ON INFORMATION PROCESSING

National Bureau of Standards, Washington 25, DC - EM 2-4040, ext. 7791

Current state-of-the-art studies under way at the center deal with character recognition, self-organizing systems and the physical aspects of photographic storage and retrieval techniques. Documentation-Instrumentation; miscellaneous Arts and Sciences (R&D data on methods and equipment for the automatic processing of scientific information.

717

RESEARCH INFORMATION SERVICES

Merck, Sharp and Dohme Research Laboratories, West Point, Pa.

Pharmaceutical chemistry, biochemistry, pharmacology, microbiology, and electronics. Type: journal articles, trade literature, translations, patents, and literature surveys prepared by the staff.

58,000

717A

"RESEARCH IN PROGRESS" (1960)

BOX CM-Suke Station, Durham, N.C.

(Army Research Office)

First annual report of Army Research. Covers all fields of science.

Indexes projects by location, funding source, proposal, contract and grant number. Indexes of subject, investigator, contractor.

Distribution includes: Hq USAF-1, ASD-6, AFLC-3, OAR/OSR-4, CRL-2, RADC-1, AFSWC-1, AFMTC-1, APGC-4, AU-2.

Abstracts compiled in book

718

RESEARCH PROGRAM FOR DISTILLATE UTILIZATION

1271 Avenue of the Americas, New York 20, NY - JU 6-4200

(American Petroleum Institute)

Reviews and abstracts literature pertaining to the art and science of oil burning.

Abstracts, reviews

719

"RESEARCH PROGRESS IN TEXTILES, CLOTHING"

Box 1983, Tuscaloosa, Alabama - PL 2-7441

(University of Alabama)

Physical and chemical data/information related to textiles, mostly cotton. Performs literature searches, answering service, loan service.

720

RESEARCH PROJECT ON PROPERTIES OF CHEMICAL COMPOUNDS

Office of Critical Tables, 2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

(National Research Council)

Chemical compounds, (exclusive of hydrocarbons) covered with physical and thermodynamic properties, ultraviolet absorption, mass spectra and all types of spectra.

Looseleaf sheets

721

RESEARCH REPORTS

43 Leon Street, Boston 15, Mass.

(Allied Research Associates, Inc.)

External and internal research reports, journal articles and textbooks on aeronautical engineering, physical sciences, electronics and meteorology.

10,000 documents

722

"RESEARCH REPORTS"

Intelligence Division, Central Research Department, Wilmington 98, Del.

(Du Pont, E. I. de Nemours & Company)

Subject: organic compounds, polymers and inorganic compounds.

Type: departmental research reports.

35,000 cards, 1,900 reports

723

"RESINS - RUBBERS - PLASTICS"

250 Fifth Avenue, New York 1, NY

(Interscience Publishers, Inc.)

Abstracts from 40 journals covering chemistry, physics and high polymer research. Started 1942, annual author and subject indexes.

Monthly - \$90.00/yr.

724

"REVIEW OF THE A.F. MATERIALS R&D PROGRAM"

Materials Central, Wright-Patterson AFB, Ohio - CL 3-7111, ext. 21209
(Aeronautical Systems Division)

The technical reports and notes written during the reporting period are abstracted. The following general areas of research are covered: adhesive, biochemistry, electronic materials, materials physics, metallurgy, petroleum products, plastics, protective treatment, rubber and textiles. A numerical index, contractor index, and an investigator index of all the technical reports and notes issued from March 1923 to end of the reporting period are also provided. Annual report - obtain from ASTIA, OTS - 200-300 abstracts

725

"REVUE D'OPTIQUE"

5 Boulevard Pasteur, Paris 15e, France
(Institut d'Optique Theorique et Appliquee)

Abstracts on optics, calculations and related areas, started 1922.

In French, from 100 journals with annual author and subject indexes. Monthly - \$10.50/yr. - 1000 abstracts/yr.

726

"REYNOLDS ALUMINUM DIGEST"

5th & Cary Streets, Richmond 18, Virginia
(Reynolds Metals Company)

Abstracts cover articles on production, fabrication and utilization of aluminum. Taken from technical reports, patents, about 125 journals and other sources. Started 1951 with subject index. Monthly - by request - 600 abstracts/yr.

REYNOLDS METALS COMPANY

see:

"Reynolds Aluminum Digest"
Product Development Library

ROCKETDYNE

see:

Rocket Engine Test Firing

727

"ROCKET ENGINE TEST FIRING"

6633 Canoga Avenue, Canoga Park, Calif.
(Rocketdyne)

Rocket engine test firing. Type: records of test firings - each record a collection of itemized, associated facts; identification within the list if positional (e.g., the nth item might always be the date); the items are numeric alphabetic, or a mixture of the two.

17,000 items

728

"ROCKET REVIEWS (ROCKET ABSTRACTS)"

P.O. Box 1112, Wyandotte, Michigan
(American Rocket Company)

Informative abstracts from about 100 journals plus reports, patents,
books covering astronautics, rockets, guided missiles, started
1959.

Monthly - \$120/yr. - 2000 abstracts/yr.

729

ROPER PUBLIC OPINION RESEARCH CENTER

Box 1270, Williamstown, Mass. - CL 8-4131, ext. 271
(Williams College)

Takes surveys throughout the world and organizes own and others current
survey data. Provides educators and accredited scholars with social
science information.

ROSCOE B. JACKSON MEMORIAL LABORATORY

see:

World List of Inbred Strains

730

"ROTOL DIGEST

Gloucester, England

Abstracts covering propellers and aircraft accessories from reports
and about 70 journals. Started 1942.

Monthly - by request - 2400 abstracts/yr.

ROYAL AERONAUTICAL SOCIETY

see:

"Journals of the Royal Aeronautical Society"

ROYAL AIRCRAFT ESTABLISHMENT

see:

"List of Royal Aircraft Establishment Translations"

731

"RUBBER ABSTRACTS"

105 Lansdowne Road, Croyden, Surrey, England

(Research Association of British Rubber Manufacturers)

Abstracts on rubber technology, production and application from books,
patents and 215 journals. Started 1923 with subject, author and
patent indexes.

Monthly - \$50.40/yr. - 6000 abstracts/yr.

732

RUBBER MANUFACTURERS ASSOCIATION

444 Madison Avenue, New York 22, NY

Collects information on applications of rubber, rubber tubing and
hoses, non-metallic materials.

RUSSIAN ACADEMY OF SCIENCES

see:

"Soviet Physics - Acoustics"

733

"RUSSIAN RESEARCH IN COMPUTERS & MATHEMATICS"

Friedman, Morris D., Inc., Needham, Mass.

Collects information on Russian computer technology including logical design, numerical analysis and programming. Analyzes information for significance and relevance to AF interests. Prepares translated papers and abstracts of significant reports. AF supported. Abstracts, consultation

734

SADTLER RESEARCH LABORATORIES

1517 Vine Street, Philadelphia 2, Pa. - LO 4-0835

Organic compounds (steroids and commercial products). Infrared spectra, near infrared. Ultraviolet spectra. Directory of Continuing Numerical Data Projects, Office of Critical Tables, 1961, NAS/NRC Publication 837. Publishes "Standard Spectra & Commercial Spectra".

Regular Edition (cards) and Midget - 17,350 spectra

see also:

Standard Spectra & Commercial Spectra

735

"SAE AERONAUTICAL STANDARDS"

485 Lexington Avenue, New York 17, NY

(Society of Automotive Engineers, Inc.)

A looseleaf file of reports on aeronautical standards for aircraft, helicopters, missiles, powerplants and related. Started 1941, subject and numerical indexes.

Looseleaf file - \$15.00/yr. - 220 reports/yr.

736

"SANDWICH CONSTRUCTION FOR AIRCRAFT (MIL HANDBOOK 23 - Part II)"

Forest Products Laboratory, Madison 5, Wisconsin

Collects and surveys literature, reports and unpublished data, document reproduction service, prepares abstracts and surveys, question answering and technical consultation. This is a handbook on test methods and design data for sandwich construction. Consultation, Handbook

737

SCHELLENGER RESEARCH LABORATORIES

Texas Western College, El Paso, Texas - KE 2-3881

Collects information on sound propagation in atmosphere, atmospheric acoustic phenomena, microphone design and electrochemical action of teeth.

SCHERING CORPORATION

see:

Documentation Center, Pathology, Pharmacology, and Biochemistry

738

SCHOOL ENVIRONMENTS RESEARCH PROJECT

University of Michigan, Ann Arbor, Michigan - NO 3-1511, ext. 624

Provides knowledge relating to the impact of environment on human behavior.

739

SCHOOL OF AVIATION MEDICINE

USAF Aerospace Medical Center, Brooks AFB, Texas

Publishes research reports, aeromedical reviews, special reports, indexes and aviation medicine publications. All aspects of research on human beings.

SCHOOL OF AVIATION MEDICINE

see:

"Index of Research Reports - SAM"

"Publications of the School of Aviation Medicine"

"Subject Index of School of Aviation Medicine Publications"

739A

"SCIENCE ADMINISTRATION REPORTS"

National Science Foundation, Washington 25, DC - ST 3-2140

Reports in planning or administering research programs.

740

SCIENCE & TECHNOLOGY DIVISION

Washington 25, DC - ST 3-0400, ext. 8043

General and advanced science reference service among a collection of 1.5 million volumes and 15,000 journals. Extensive bibliography preparation. See "Library of Congress" for listing of important bibliography titles. Reading room open 7 days/week. References, bibliographies - loan - by request - visit

741

SCIENCE INFORMATION EXCHANGE

1825 Connecticut Avenue, NW, Suite 313, Washington 25, DC -
NA 8-1810 (Smithsonian Institution)

Biological and physical sciences. As of April '61, prime emphasis is on biomedical (including psychology). Registered with the exchange are all studies conducted on funds from major international granting agencies. Much intraservice work is included. Data includes principal investigator, institution, and brief description of problem. Multiple cross-index.

Notices of research project - telephone or mail to research institution - 30,000 items.

742

SCIENCE INFORMATION SERVICE

National Science Foundation, Washington 25, DC - ST 3-2140

Communication practices and information requirements of scientists, classification and indexing systems, mechanical translation; information search and retrieval systems, linguistics and language studies. To be cognizant of all Federal information storage and retrieval systems by Presidential directive. Publish current R&D and scientific documents. Accessing and improving flow of scientific information in the Government.

743

"SCIENCE REFERENCE NOTES"

Columbia University, New York 27, NY

Reviews of publications of reference value in broad technical areas. Quarterly - by request - 200 reviews/yr.

743A

SCIENTIFIC & TECHNICAL INFORMATION DEPARTMENT

Lockheed Aircraft Corporation, Marietta, Georgia - 424-2928

Provides data on design and production of airframes, rockets, nuclear reactors, materials, weapon systems, astronautics and meteorology.

Data

744

"SCIENTIFIC INFORMATION REPORT"

Office of Technical Services, Washington 25, DC - ST 3-5200

CIA semimonthly publication, information abstracts, all fields of science, technology, and medicine. From Soviet literature.

Report, semimonthly, abstracts - by subscription - \$28.00/yr.

5000/yr.

745

SCIENTIFIC LIBRARY

Patent Office, Washington 25, DC - ST 3-9200

Maintains scientific documents, periodicals, microfilm references and copies of about 9,000,000 patents.

Reference

746

SCIENTIFIC PUBLICATIONS PROGRAM

National Science Foundation, Washington 25, DC - ST 3-2140

Journals and single publications receiving NSF support for total or partial operation. During FY 60, i.e., grants in support of scientific publication resulted in grants to 57 publications of various types. Biological Handbooks, Handbook of Mathematical Tables, Catalog of Fossil Spores and Pollen, Transactions of American Microscopical Society, Journal of Acoustical Society of America, Journal of Geophysical Research, Transactions of the American Mathematical Society, Journal of Mathematical Physics, Geoscience Abstracts, Biological Abstracts, Chemical Abstracts, Mathematical Reviews, Meteorological Abstracts & Bibliography of Extraterrestrial Radio Noise, Index to the Literature of American Entomology, Annotated Bibliography on Operations Research.

747

SCIENTIFIC SERVICES SECTION

6301 Lincoln Avenue, Morton Grove, Ill. - YO 5-4700

(Baxter Laboratories, Inc.)

Artificial organs, regional perfusion, parental solutions, pyrogens, thyroid hormones. Answering service, copying service, literature search.

By request

749

SCIENTIFIC TECHNOLOGY & EXPLOITATION PROGRAM (STEP)

1st bet E Capitol & Independence Avenue, SE, Washington 25, DC
ST 3-0400, ext. 8061

(Library of Congress)

Periodical references, books, newspapers. Prepares abstracts, reviews, surveys, analyses, acquisition lists (in English). Concentrates on Soviet and Communist China technical work.

Monthly abstracts, reviews, bibliographies, AID Monthly Announcement Bulletin, accession lists, R&D on automatic translation, advanced studies unit. Monitoring agency: ATIC

750

"SCI-TECH NEWS - DOCUMENTATION DIGEST"

AEDC Library, Arnold Air Force Station, Tullahoma, Tenn. - GL 5-2611
(Arnold Engineering Development Center)

Quarterly, indicative abstracts, indexing, bibliography, book trade, cataloging and classification, documentary reproduction, documentation research, information storage and retrieval, library administration, library education and training, professional associations and societies, special libraries and information services, technical processes, technical writing and editing.

Abstracts, reports, bibliographies - by subscription

SCRIPPS INSTITUTE OF OCEANOGRAPHY

see:

"Bathythermograph Data Processes & Analysis"

752

"SELECTED ABSTRACTS FROM THE ABSTRACTS JOURNAL, METALLURGY"

122 E 55th Street, New York 22, NY
(Pergamon Press)

Translations of selected abstracts from Russian journal "Referativnyi Zhurnal" which has 25,000 abstracts per year. Covers all areas of metallurgy and related technology including processing and protection. Started 1957, no indexes.

Bimonthly - \$50.00/yr.

753

"SELECTED BIBLIOGRAPHY OF MATHEMATICAL STATISTICS"

National Bureau of Standards, Washington 25, DC - EM 2-4040,
ext. 7215

Collects and maintains current references to probability and mathematical statistics.

754

"SELECTED VALUES FOR THE THERMODYNAMIC PROPERTIES OF METALS & ALLOYS"
University of California, Berkeley, Calif.

Metallic elements and alloys, complete thermodynamic data, elements and compounds. Elements: heats, entropies, free energy functions relative to standard states, heat capacity values for condensed gas phases, etc. Alloys: free energy, heat, excess free energy.

Looseleaf sheet - distribution

755

"SELECTED VALUES OF CHEMICAL THERMODYNAMIC PROPERTIES"

Connecticut Avenue at Van Ness, NW, Washington 25, DC - EM 2-4040
(National Bureau of Standards)

Chemical thermodynamic properties of: all elements, inorganic compounds, and C₁ and C₂ organic compounds. Few ionic species, basic thermodynamic properties at 25° C (heat, free energy, equilibrium constant, and entropy of formation; heat capacity); temperature, heat and entropy of phase changes; thermodynamic properties to 5000° K (heat, free energy function; heat content function, entropy; heat content; and heat capacity). Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

NBS Circular 500

756

"SELECTIVE BIBLIOGRAPHY"

Office of Technical Services, Washington 25, DC - ST 3-5200

A listing of available bibliographies covering unclassified reports.

Government and Government sponsored reports including DOD.

Monthly - OTS

757

"SELENIUM & TELLURIUM ABSTRACTS"

505 King Avenue, Columbus 1, Ohio

(Battelle Memorial Institute)

Abstracts covering selenium and tellurium, their metallurgy, chemistry and applications. Started 1959, covers about 200 world-wide periodicals, books and patents, annual subject and author indexes.

Monthly - by request - 500 abstracts/yr.

758

"SEMICONDUCTOR ABSTRACTS"

505 King Avenue, Columbus 1, Ohio

(Battelle Memorial Institute)

"Semiconductor Abstracts" compiled annually from abstract journals, symposia proceedings, and AFOSR Technical Notes and Reports.

Complete manuscript will be reviewed by Electrochemical Society prior to publication at no cost to the Government.

Annual "Semiconductor Abstracts"

759

"SEMICONDUCTOR ELECTRONICS"

238 Main Street, Cambridge 42, Mass.

Abstracts on semiconductor research, circuitry, devices, applications, and related technological areas. Started 1957, covers 300 periodicals with patents, books, technical reports, and other sources; annual author and subject indexes, card service.

Bimonthly - \$12.00/yr. - 2500 abstracts/yr.

760

SEMICONDUCTOR INFORMATION SERVICE

238 Main Street, Cambridge 42, Mass.

Prepares abstract cards on semiconductor materials, metallurgy, materials, fabrication and circuit applications along with related areas. Covers patents, papers, new products and about 200 technical periodicals.

Abstracts

761

"SEMICONDUCTOR PROJECTS"

300 W 43rd Street, New York 36, NY

Abstracts of semiconductor materials, devices and technology from about 50 journals plus reports. Started 1958, no index.

Monthly - \$6.00/yr. - 1000 abstracts/yr.

762

SERVICE DE DOCUMENTATION DE D'INFORMATION TECHNIQUE DE L'AERONAUTIQUE

4 Avenue de la Porte D'Issy, Paris Ve, France

Offers reference, bibliographic, translation and photocopying services. Maintains a film library. Books of 250,000 volumes, periodicals, specifications, etc.

NATO countries - 73,000 reports - 50,000 patents

see also:

"Docaero"

"Bulletin Mensuel Signaletique"

SMITH, KLINE & FRENCH LABS

see:

Documentation Section, Chemical, Biological and Clinical Data

764

SMITHSONIAN ASTROPHYSICAL OBSERVATORY

60 Garden Street, Cambridge 38, Mass. - UN 4-7910

Collects satellite data with atmospheric, geodetic and geophysical information derived from data.

765

SMITHSONIAN INSTITUTION

Washington 25, DC

Collects annual reports of Board of Regents to Congress, miscellaneous collections, scientific papers, special reports, annual reports of the National Museum, technical papers on the collections and scientific work of the Museum. Series of "Smithsonian Contributions to Astrophysics" started 1957.

see also:

Science Information Exchange

766

SOCIAL LEGISLATION INFORMATION SERVICE

1346 Connecticut Avenue, NW, Washington 6, DC - HO 2-1468

Publishes a unique guide to Federal agencies authorized to award research grants and contracts.

SOCIETE DE CHIMIE PHYSIQUE

see:

"Journal de Chimie Physique et de Physico-Chimie Biologique"

767

SOCIETY FOR NON-DESTRUCTIVE TESTING, INC.

1109 Hinmann Avenue, Evanston, Ill. - UN 4-2842

Collects information on non-destructive testing, radiographic analysis, ultrasonic analysis, X-ray analysis and R&E equipment.

SOCIETY OF AUTOMOTIVE ENGINEERS INC.

see:

"SAE Aeronautical Standards"

SOCIETY OF CHEMICAL INDUSTRY

see:

"Journal of Applied Chemistry"

SOCIETY OF GLASS TECHNOLOGY

see:

"Journal of the Society of Glass Technology"

SOCIETY OF PHOTOGRAPHIC INSTRUMENTATION ENGINEERS

see:

"Newsletter"

768

SOCIETY OF THE PLASTICS INDUSTRY, INC.

250 Park Avenue, NY 17, NY - MU 7-2675

A technical society sponsored by industry who maintain an open collection, research reports of Government and industry, and unpublished data on the subject of plastics and resins. This information is made available in the form of documents, accession lists, abstracts, review reports, and compilations.

SOCONY MOBIL OIL COMPANY

see:

"Petroleum Chemistry"

769

SOIL AND WATER DOCUMENTATION CENTER

Colorado State University, Fort Collins, Colo.

Abstracting service covering the literature of soil and water.

770

SOLAR ENERGY

3424 N Central Avenue, Phoenix, Ariz.

(Association for Applied Solar Energy)

Abstracts on utilization of solar energy from books, technical reports, patents and about 100 technical reports. Started 1954, no index.

Available to members of association.

Card file - members/card file - 5000 cards (1960)

771

SOLAR ENERGY INFORMATION CENTER

Arizona State University, Tempe, Ariz. - WO 7-1411

Collect, collates, analyzes and disseminates information on Solar

Energy at a working level basis. Technical information on

activities of the three military departments are covered, along

with civilian work suitable for military use. Publishes, monthly,

a Newsletter covering the highlights of recent developments.

Contracts, symposia and technical paper references are included.

772

SOLID PROPELLANT INFORMATION AGENCY

8621 Georgia Avenue, Silver Spring, Md.

(Johns Hopkins University)

Compiles lists of documents, abstracts of documents and indexes.

Publishes manuals on data in field of solid propellants, bib-

liographies. Jointly sponsored by ARPA-A-N-AF. Publishes:

Propellants Powder Manual, Propellant Powder Ingredients Manual,

SPIA Current Abstracts, JATO Manual, Rocket Motor Manual.

Handbooks and indexes - joint A-N-AF mailing list

773

"SOLID STATE ABSTRACTS"

238 Main Street, Cambridge 42, Mass. - KI 7-1997

(Cambridge Communications Corporation)

Abstracts on solid state materials and devices from about 250 journals, in journal and card form with annual author and subject indexes.

Monthly - 3500 abstracts/yr.

774

SOLID-STATE ELECTRONICS LABORATORY

Stanford University, Stanford, Calif. - DA 1-3300

Reports on research in solid-state electronics are collected.

775

SOUTHERN REGIONAL RESEARCH LABORATORY

1100 Robert E. Lee Blvd., New Orleans 19, La.

(Department of Agriculture)

General textile research; cotton; cotton textiles; cottonseed oil, materials.

776

SOUTHWEST RESEARCH INSTITUTE

8500 Culebra Road, Box 2296, San Antonio, Texas

A non-profit industrial research concern, specializing in all areas of science and technology, particularly materials. Card catalog and abstracts are maintained for use in searching a collection of open literature, government and industrial research reports and unpublished data. Abstracts, accession lists, review reports and compilations are published. Technical consultations are provided. Laboratory facilities are available.

see also:

"Engineer Technical Index of Environmental Factors"

777

"SOVIET ABSTRACTS: BIOLOGY, CHEMISTRY, & PHYSICS"

Office of Technical Services, Washington 25, DC - ST 3-5200

Selected abstracts, with subject classifications, from the 3 Soviet abstracting (Referativnyi) journals, Biology, Chemistry and Physics. Abstracts, journals - OTS - 230,000

778

"SOVIET PHYSICS - ACOUSTICS (AKUSTICHESKII ZHURNAL)"

57 E 55th Street, New York 2, NY

(American Institute of Physics)

Translations of Russian research published in area of acoustics, NSF-ONR supported.

779

"SOVIET SCIENCE & TECHNOLOGY"

227 W 17th Street, New York 11, NY

Includes English translations of Russian scientific journals in broad technical areas. Published since 1957, fifty-four journals covered. Monthly - \$25.00/yr.

780

"SOVIET SCIENCE IN TRANSLATION"

227 W 17th Street, New York 11, NY

(Consultant's Bureau Enterprises, Inc.)

Titles from contents of Soviet scientific and technical journals, includes list of journals being translated. Started 1956, arranged by subject.

Monthly - \$25.00/yr. - 1000 titles per year.

781

SPACE & INFORMATION SYSTEMS DIVISION

12214 Lakewood Blvd., Downey, Calif. - TO 1-2251, ext. 5755

(North American Aviation, Inc.)

Acquires and retrieves technical data on entire aerospace subject field

782

SPACE GUIDANCE CENTER

IBM Corporation, Oswego, New York - MU 7-2121

(International Business Machines Corp.)

Collects, catalogs, disseminates and retrieves technical and research information for use by development and research engineering in the development of computers for Government projects. Covers most aerospace sciences.

SPECIAL LIBRARIES ASSOCIATION

see:

"Technical Book Review Index"

Translations Center

783

SPECIAL OPERATIONS RESEARCH OFFICE

American University, Washington, DC

Collects, stores, catalogs and disseminates information from publications, books and unpublished data. Handbooks, special research reports, bibliographies and studies are made. An example is "A Psychological Operations Bibliography" which contained 1041 references.

784

SPECTRAL ABSORPTION DATA (ASTM)

1916 Race Street, Philadelphia 3, Pa. - LO 3-5315

(American Society for Testing Materials)

Provide indexing systems for the fields of absorption spectrophotometry. ASTM indexing systems facilitate the sorting of spectral data for matching spectrograms in qualitative analysis and for correlating chemical structure and absorption band positions. Separate card systems indexing near infrared, regular infrared, far infrared, visible, and ultraviolet absorption data are currently available or are being prepared. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

IBM punched cards - standard coding - ASTM

785

SPECTRAL ABSORPTION DATA (NRC)

Chemistry Bldg., Room 202, Washington 25, DC

(National Research Council)

Infrared absorption spectra primarily on organic compounds with a few inorganic. Literature references are included.

Compound and bibliography cards - 2015 cards

786

STACKPOLE CARBON COMPANY

St Marys, Pa. - TE 4-1521

Collects published information on carbon, carbon brushes, ceramics, metal contacts, ferrites, semiconductors and powder metallurgy.

787

"STANDARDIZATION ACTIVITIES IN THE UNITED STATES"

National Bureau of Standards, Washington 25, DC
(Department of Commerce)

A descriptive inventory of the work of about 350 American organizations involved in standardization activities, which provide lines of communication between academic and practical knowledge. Lists Federal and non-government standardization agencies. 210 pages. Subject Index.

Misc. Publication 230, GPO - \$1.75

788

STANDARDS ENGINEERING

Bell Telephone Laboratories, Inc., Murray Hill, NJ
Engineering; type: current and active engineering drawings.
225,000 active - 200,000 inactive

789

STANDARD SPECTRA & COMMERCIAL SPECTRA

1517 Vine Street, Philadelphia 2, Pa. - LO 4-0835
(Sadler Research Laboratories)

Spectra, infrared spectroscopy and physics of organic compounds, ultraviolet.

Spectra

STANFORD RESEARCH INSTITUTE

see:

Industrial Information Services

STANFORD UNIVERSITY

see:

George Vanderbilt Foundation
Solid State Electronics Laboratory

790

"STATE OF KNOWLEDGE SUMMARIES"

Documentation, Inc., Washington, DC
Summaries performed by "Man-Machine Information Center".

791

STATUS OF FUNDS (RCS: ARDC-C21)

Andrews AFB, Washington 25, DC
(AFSC)

Shows center, annual budget authorization, project/program, commitments, obligations and object class.

Monthly report

792

STATUS OF RESEARCH PROPOSALS (RCS: AFRD-1)

Office of Aerospace Research, Washington 25, DC
Report by organizations in OAR (ARL, CRL, OSR) listing proposal number, institution, investigator, subject, new or renewal, level of support (\$), status (accepted, declined, etc.) monthly.

793

"STATUS REPORT"

Army Research Office, Arlington Hall, Arlington 12, Va. - JA 5-5800
ext. 1123

(Army)

Specific reports in narrow areas, such as "Fuel Cell Systems", "Ground Effects".

Technical report - OTS

STAUFFER CHEMICAL COMPANY

see:

Chemistry

STEEL FOUNDERS SOCIETY OF AMERICA

see:

"Journal of Steel Castings Research"

794

STEROID COMPOUNDS

Patent Office, Washington 25, DC - ST 3-9200

Steroid compounds, type: US Patents. Steroid compound, information culled from the literature is also being included through the cooperation of the Pharmaceutical Manufacturers Association.
2,100 items

795

ST JOHN X-RAY LABORATORY

Califon, NJ - 49

Collects data on radiology and its application.

ST. LAWRENCE UNIVERSITY

see:

Chemical Kinetics Data Project

796

STRAIN GAGE READINGS

5602 E Monte Rosa, Phoenix 18, Ariz. - WH 5-4603

Abstracts, articles on all strain gage technology. Started 1958, covers technical reports and 120 periodicals, annual title list.
Bimonthly - \$10.00/yr. - 220 abstracts/yr.

797

"STRENGTH OF METAL AIRCRAFT ELEMENTS (MIL HANDBOOK 5)"

505 King Avenue, Columbus 1, Ohio - AX 9-2191

(Battelle Memorial Institute)

Prepares and answers questions about Strength of Metal Aircraft Elements, publishes handbook covering this information.

798

STRESS & ENDOCRINOLOGY

P.O. Box 6128, Montreal, Canada
(University of Montreal)

Type: reprints, journals, and books - original texts or their photoduplicates. Abstract cards are used if the original is not available.

1,500,000 cards on 400,000 documents

799

"STRUCTURE REPORTS"

University College, Cardiff, G. Britain
(University College, Cardiff)

Metals, inorganic and organic compounds. Data presented are derived primarily from X-ray diffraction measurements. Investigations of texture, papers containing powder data, and electro=diffraction studies are reported when of structural interest. Unit cell dimensions, space groups, atomic positions and parameters, interatomic and intermolecular distances are given. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Reports book form - 3 main sections. - N V A Oosthoek's Uitgevers Mij, Utrecht, Netherlands

800

STUDENT RESEARCH REPORTS

Air University, Maxwell AFB, Ala.

Reports prepared by students of the Air University, covers all aspects of military and technical operations.

Air University Library

801

STURTEVANT P. A., CO.

Addison, Illinois - TE 4-2000

Collects information on static torque testing problems along with tests.

SUBIC

see:

Submarine Integrated Control Advisory Committee

802

"SUBJECT INDEX OF SCHOOL OF AVIATION MEDICINE PUBLICATIONS"

USAF Aerospace Medical Center, Brooks AFB, Texas
(School of Aviation Medicine)

Index of research reports published by the school with annual supplements. Covers all aspects of research on human beings.

.Index, annual

803

SUBM' ROME INTEGRATED CONTROL ADVISORY COMMITTEE - SUBIC

2521 Connecticut Avenue, NW, Washington DC

(Documentation, Inc.)

Submarine-Man-Machine capability. Contractor reports, DOD reports, journals, technical publications, ONR, BuORD, BuShips, Chief Nav-Ops sponsored. Contractor Reports Digest, Summary Statement, State of Art Surveys.

Consulting service

803A

"SUMMARIES OF RESEARCH"

Naval Medical Research Institute, Bethesda, Md.

A listing of summaries of research conducted. Gives titles of lectures and reviews.

Semiannual

804

"SUMMARY OF ARPA SPACE TECHNOLOGY PROGRAM REVIEW"

Advanced Research Projects Agency, Washington 25, DC

Annual review of ARPA space technology, covers most aerospace sciences.

805

"SUMMARY OF RADIATION-TOLERANT ELECTRONICS"

Bendix Systems Division, Ann Arbor, Michigan

Maintains a card file on effects of nuclear radiation on electronic components and equipment.

806

"SUMMARY OF TECHNICAL ACTIVITY OF THE WADC MATERIALS LAB"

Aeronautical Systems Division, Wright-Patterson AFB, Ohio - CL 3-7111

Materials laboratory is "Materials Central". A review of in-house R&D including published papers, meetings, patents and internal publications along with honors received. Revised with annual supplement.

Annual - obtain from ASTIA

807

SURFACE INTEGRATED CONTROL - SURIC

2521 Connecticut Avenue, NW, Washington, DC

(Documentation Inc. (NMIC Program))

Contractor and Naval R&D, DOD, journals, reports and publications. ONR, BuShips, NAVOPS sponsored.

Consulting service - Contractors Reports Digest, Summary Statement - State of Art Surveys

SURIC

see:

Surface Integrated Control

808

"SURVEY OF NAVAL SCIENCES"

Office of Naval Research, Washington 25, DC - OX 6-7782
Surveys in a restricted area of basic or applied science.
Irregular

810

"SURVEY OF RESEARCH PROJECTS IN THE FIELD OF AVIATION MEDICINE"

468 Fourth Avenue, New York 16, NY

(Cornell University)

Accident prevention and protection, air transportation, aircraft design, aviation medicine. Started 1951, covers project descriptions, arranged by subject.

Annually - by request - 250 descriptions/yr.

811

"SYNTHETIC METHODS OF ORGANIC CHEMISTRY"

250 Fifth Avenue, New York 1, NY

(Interscience Publishers, Inc.)

Annually, critical, informative abstracts, subject index, quinquennial cumulations, variable, review of the current literature on new methods, significant variations of known methods, and of older proved methods for the synthesis of organic compounds. Semimonthly abstract journal; literature review.

Abstracts, journals - 900-1,000

812

TABULATION OF DATA ON RECEIVING TUBES

National Bureau of Standards, Washington 25, DC

Also called "NBS Handbook 68". Numerical listing of data on receiving tubes, characteristics, equivalents, ELA basing diagrams.

Handbook - Govt. Super of Documents

813

TECHNICAL ABSTRACT BULLETIN

Arlington Hall Station, Arlington 12, Va.

(Armed Services Technical Information Agency)

Semimonthly informative abstracts, quarterly cumulative subject and corporate author indexes, and annual cumulation; controlled gratis. All ASTIA fields.

Abstracts, indexes - ASTIA subscribers

814

TECHNICAL ADVISORY COMMITTEE ON ANTARCTICA MAPPING (TACAM)

U.S. Geological Survey, Washington 25, DC - RE 7-1820, ext. 3790

Fulfills special consultative functions on request of any of the sponsoring agencies for special cartographic studies in the South Polar regions.

Special studies - by request

815

TECHNICAL AID SERVICE, INC.

1500 W Third Avenue, Columbus 12, Ohio - HU 8-2248

Prepares bibliographies and literature abstracts on subject such as chemical engineering, mechanical engineering, electronics, and aerospace sciences.

816

"TECHNICAL BOOK REVIEW INDEX"

31 E 10th Street, New York 3, NY

(Special Libraries Association)

Critical indicative reviews with annual author index, covers all fields of science and technology.

10 times/yr. - \$7.50/yr. - 1800 reviews/yr.

817

TECHNICAL DATA SERVICE

Owens-Illinois Glass Company, Toledo 7, Ohio - CH 2-6543

Engineering and chemical technology. Type: internal reports and certain nonreport material (letters, special forms, etc.) generated in the technical center by its six component engineering and research group.

3,500 reports

818

TECHNICAL DEPARTMENT INFORMATION CENTER

P.O. Box 58, South Amboy, NJ
(National Lead Co.)

Primarily titanium; type: internal material, including reports, memos, and correspondence.

50,000 separate papers, 15000 accession numbers

819

TECHNICAL EXTENSION SERVICE

Washington State Institute of Technology, Pullman, Washington -
LO 8-2111

Operates a communication center covering air pollution, chemical engineering, chemistry, electrical engineering, geohydrology, hydraulics, metallurgy, sanitary engineering and related areas.

Covers applications to the Pacific Northwest. Provides industrial liaison.

820

TECHNICAL INFORMATION

Watertown Arsenal, Watertown 72, Mass.
(Army)

About 2,500 abstracts a year with subject and author indexes, covers metallurgy, physics and chemistry.

Irregular - by request

821

TECHNICAL INFORMATION BRANCH

Rock Island Arsenal, Rock Island, Illinois - 88411, ext. 22213
(Army)

Maintains books, periodicals, and technical reports covering rocket launchers, arms, artillery and related areas. Scientific areas such as rubber, fuels, lubricants, corrosion, metallurgy are covered.

Consultation

822

TECHNICAL INFORMATION CENTER

1301 N Elston Avenue, Chicago 22, Illinois - BR 8-2100
(Chicago Rawhide Manufacturing Company)

Finds and furnishes information on mechanical oil seals, packing, etc. Covers applied polymer chemistry, mechanical engineering and metallurgy, sealing problems of all fields such as cryogenics, low pressure, etc.

822A

Technical Information Center

Flight Propulsion Division, General Electric Company, Evandale, Ohio
Maintains document processing activity leading to machine searching of literature in various subject of science and engineering.
Subject areas are metallurgy, and allied fields.

823

TECHNICAL INFORMATION CENTER

Martin Company, Orlando, Florida - CH 1-2411

Abstracting, analysis, storage and retrieval of articles and reports concerning all R&D in aerospace science and technology. Extensive library of reports. Specializing in development of mechanized system of storage and retrieval.

Reports - Martin

824

TECHNICAL INFORMATION CENTER

National Research Corporation, 70 Memorial Drive, Cambridge, Mass.

Collects physical chemical and metallurgical information on refractory materials, vacuum technology and tantalum.

825

TECHNICAL INFORMATION CENTER

Office of Technical Services, Washington 25, DC - DU 6-1224

Furnishes Governmental technical reports, including DOD, on request.

826

TECHNICAL INFORMATION CENTER, DOCUMENT FILE

Applied Sciences Corporation of Princeton, P.O. Box 44, Princeton, NJ
Internal and external reports and reprints of journal articles on electronics.

6,000 references

828

TECHNICAL INFORMATION CENTER, PRODUCT LITERATURE FILE

Applied Sciences Corporation of Princeton, P.O. Box 22, Princeton, NJ
Literature of products used in electronic research and development, specifically telemetering and associated automatic data reduction systems.

5,500 folders

TECHNICAL INFORMATION CORPORATION

see:

"Directory of Technical Specifications"

829

TECHNICAL INFORMATION DIVISION

Esso Research & Engineering Co., P.O. Box 51, Linden, NJ - WA 5-1700

Acquires, digests, evaluates and disseminates technical information of company interest in R&E. Covers petroleum chemistry, thermo-physical data, energy conversion, etc.

830

"TECHNICAL INFORMATION REVIEW"

Technical Library, Air Force Flight Test Center, Edwards AFB, Calif.
Listing of books, periodicals, reports, covering technical fields of interest to the center.

Review

831

TECHNICAL INFORMATION SECTION

Humble Oil & Refining Company, Baytown, Texas - JU 2-8121

Collects information on patents, petrochemicals, petroleum processes, products, and energy.

832

TECHNICAL INFORMATION SECTION

Phillips Petroleum Co., Bartlesville, Oklahoma - FE 6-6600

Collects information on petroleum, chemicals, synthetic rubber, plastics and developments in energy sources including atomic, solar, etc.

833

TECHNICAL INFORMATION SECTION

170 Tabor Road, Morris Plains, NJ - JE 9-4400

(Warner-Lambert Research Institute)

Collects and performs retrieval on all internally generated research information. Prepares summaries, literature searches, etc. Covers chemistry, patents, pharmacological, biochemical, physiological, microbiological and related information.

834

TECHNICAL INFORMATION SERVICE

Linde Company, Tonawanda, NY

Chemistry, chemical technology and engineering. Type: internal progress and summary reports.

835

TECHNICAL INFORMATION SERVICE

1120 S Second Street, Plainfield, NJ - PL 6-8600

(Mack Trucks, Inc)

Technical information on metallurgy, mechanical engineering.

836

TECHNICAL INFORMATION SERVICE

R&D Department, Proctor & Gamble Co., Cincinnati 17, Ohio

Chemistry and chemical technology

35,000 reports

TECHNICAL INFORMATION SERVICE EXTENSION

see:

Office of Technical Information Service Extension

837

TECHNICAL INFORMATION SERVICES

P.O. Box 8, Princeton, NJ - WA 1-2300

(Food Machinery & Chemical Corporation)

Subject: chemistry and chemical technology excluding pharmaceutical.

Type: internal technical reports, sales brochures, technical bulletins from other companies, and similar vertical file materials.
2,700 references

838

TECHNICAL INFORMATION SERVICES

General Aniline & Film Corporation, Easton, Pa. - BL 8-6101

Collects, compiles, searches, catalogs, abstracts public and private information of corporation. Publishes information on various fields. Covers chemical and physical information on dyes, pigments, monomers, surfactants, polymers, intermediates and related areas.

Irregular

839

TECHNICAL INQUIRY SERVICE

Office of Technical Services, Washington 25, DC - ST 3-5200

Question answering service based on library resources of OTS.

840

TECHNICAL LETTER FILE

P.O. Box 8, Celanese Corporation of America, Clarkwood, Texas

Technical letters prepared by laboratory personnel on chemistry and chemical technology.

2,800 letters

TECHNICAL LIBRARY ASSOCIATES

see:

"International Technical Titles"

841

TECHNICAL LIBRARY ON AIR POLLUTION

Bay Area Air Pollution Control District, 1480 Mission Street,
San Francisco 3, Calif. - KL 2-1300

Collects all published technical information on air pollution.

Stores on microfilm and original copy. Includes legal aspects.

842

"TECHNICAL PROGRESS REPORT"

Room 1815, Tempo III, 17th & Constitution, Washington 25, DC - OX 6-7782
(Office of Naval Research)

References to all projects of ONR including budgetary information.

Annual - intraoffice

"TECHNICAL PROGRESS REVIEWS"

see:

Reactor Core Materials

843

TECHNICAL REPORTS & SPECIAL PURPOSE PUBLICATIONS

Army Chemical Warfare Labs., Edgewood, Md.

(Army)

A list of reports, special publications and memos issued. Publications are listed numerically.

Semiannually

844

"TECHNICAL REPORTS NEWSLETTER"

Office of Technical Services, Washington 25, DC - DU 6-1224

Newsletter reviews in detail of several research reports of general interest.

Monthly - GPO - 10 reviews/mo.

845

"TECHNICAL RESEARCH REPORTS"

Federal Communications Commission, Washington 25, DC - EX 3-3620

A numbered report series covering technical studies of the commission.

Reports - Office Chief Engineer, FCC - 10 reports/yr.

846

"TECHNICAL SURVEY"

650 Newark Avenue, Elizabeth, NJ

Weekly since 1945, abstracts critically reviewed and indexed from 200 periodicals, plus technical reports, patents and other sources, annual indexes, monthly indexes.

\$35.00/yr. - 12,000 abstracts/yr.

847

"TECHNICAL TRANSLATIONS"

Office of Technical Services, Washington 25, DC - DU 6-1224

Translation of many foreign technical publications. Abstracts are published in this periodical.

Abstract publication, semimonthly - OTS

848

TECHNISCH DOCUMENTATIE EN INFORMATIE CENTRUM VOOR DE KRIJGSMACHT

Van Alkemadelaan 774, The Hague, Netherlands

Prepares bibliographies and critical reports for military and contractual organizations involved in military R&D; similar to ASTIA.

849

"TEKNISKA LITTERA TURSALLSKAPETS REFERENSJANST"

Drottning Kristinas vag 61, Stockholm 0, Sweden

Abstracts covering all Swedish periodicals in technical areas.

Started 1947; abstracts are on cards in Swedish, German, English.

Weekly - \$110/yr. - 9000 abstracts/yr.

850

TELECOMPUTING CORPORATION

Burbank, Calif.

Information on flutter, flight equipment and aircraft vibration. Data and bibliographies.

TENNESSE VALLEY AUTHORITY

see:

"Report on Scientific Research Projects"

851

TENSION, INCORPORATED

P.O. Box 185, Harvard, Mass. GL 6-3511

Collects both published and unpublished information on tension, torque and gravity.

TEXAS A&M

see:

American Petroleum Institute - Research Project 44

IGY World Data Center (Oceanography)

Manufacturing Chemists' Association Research Project

TEXAS WESTERN COLLEGE

see:

Schellenger Research Laboratories

852

TEXTILE RESEARCH INSTITUTE

Princeton University, Box 625, Princeton, NJ

Non-profit research and educational institution devoted to the technical advancement of the textile industry. Maintains a collection of open literature, Government and industrial research reports from which review reports, accession lists and abstracts are prepared and distributed.

Reviews, lists, abstracts

853

"THERMAL PROPERTIES OF METALS - HANDBOOK"

35 W 33rd Street, Chicago 16, Ill.

(Armour Research Foundation)

Maintains a collection of Government and industrial reports and library literature on thermal properties of metals. Search facilities and documents are available for use. Documents, reports, compilations, reviews, abstracts and accession lists are published. Answers to technical questions, consultations and laboratory facilities are provided.

Handbook

854

"THERMAL RADIATION PROPERTIES SURVEY"

500 Washington Avenue, South, Hopkins, Minn. - WE 8-2701

(Honeywell Research Center)

Collects thermal radiation properties of materials, prepares survey on information.

Survey, periodically revised

855

THERMOCHEMICAL DATA COMPILATION

Dow Chemical Company, Bldg. 574, P.O. Box 31, Midland, Mich.

Thermochemical data compilation and dissemination. Covers thermodynamic properties of rocket propellant ingredients and combustion product species. Joint A-N-AF support.

Consultation

856

THERMOCHEMISTRY SECTION

National Bureau of Standards, Washington 25, DC - EM 2-4040

Collects data on chemical thermodynamic properties of chemical substances. Indexed by temperature.

857

"THERMODYNAMIC PROPERTIES OF METALS AND ALLOYS"

Hearst Mining Building, University of California, Berkeley 4, Calif.

TH 5-6000

Correlates data on thermodynamics of metals and alloys.

858

"THERMODYNAMIC PROPERTIES OF SELECTED MINERALS AT HIGH TEMPERATURES"

Acorn Building, Silver Spring, Md - RE 7-1820

(U.S. Geological Survey)

Minerals commonly found in natural rocks and related inorganic substances. Heat content, entropy, and free energy function are presented at intervals of 100° up to $1000-2000^{\circ}\text{K}$. Also given are heats and free energies of formation of each compound from the elements and the corresponding oxides. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Tables and Footnotes to Tables - Geological Survey Bulletin 1083-E

859

THERMODYNAMIC STUDIES PROJECT

Geophysics Laboratory, U.S. Geological Survey, Silver Spring, Md.

Critically evaluates thermochemical data.

Data, consultant

"THERMOELECTRICITY ABSTRACTS"

changed to "Direct Energy Conversion: Selected References"

860

"THERMOPHYSICAL PROPERTIES OF CRYOGENIC MATERIALS"

Materials Central, Wright-Patterson AFB, Ohio - CL 3-7111

(Aeronautical Systems Division)

Initially, ten of the most common cryogenic fluids and a number of solids used at low temperatures. Thermophysical properties in the temperature range zero to 110°K or up to 300°K . Fluid properties: density, expansivity, thermal conductivity, specific heat and enthalpy, transition heat, phase equilibria, dielectric constant, adsorption, surface tension, and viscosity. Solid properties: thermal expansion, thermal conductivity, specific heat and enthalpy. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Looseleaf sheets, book form - OTS, Dept Commerce

861

"THERMOPHYSICAL PROPERTIES OF SOLID MATERIALS"

10 W 3rd Street, Chicago 16, Ill
(Armour Research Foundation)

Elements, alloys, ceramics, cermets, and intermetallics melting about 1000°F; polymeric and composite materials of melting temperature. Properties: density; melting point; latent heat of fusion, vaporization, and sublimation; crystal habit and transformation temperature; specific heat; thermal conductivity; thermal diffusivity; emissivity, reflectivity; linear thermal expansion; vapor pressure; electric resistivity. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Sheets - graphical and tabular - WADC Tech Report 58-476 - OTS -
Dept Commerce

862

"THERMOPHYSICAL PROPERTIES RESEARCH CENTER (TPRC)"

School of Mechanical Engineering, Lafayette, Indiana - 92-2971,
ext. 263
(Purdue University)

In its documentation activities TPRC collects information on all classes of materials. The preparation of data tables is undertaken on a propriety basis by selecting properties and materials of current interest. Initial effort is confined to seven properties: thermal conductivity; viscosity; thermal emissivity, absorptivity and reflectivity; diffusion coefficient; specific heat; thermal diffusivity; and Prandtl number. Directory of Continuing Numerical Data Projects, Office of Critical Tables 1961, NAS/NRC Publication 837.

Printed sheet - table of data - 15 gases, 33 metals, 9 binary alloys

863

TIN RESEARCH INSTITUTE, INC.

492 W 6th Avenue, Columbus 1, Ohio - AX 4-3341

Compiles a catalog for searching stored documents, reports (industrial and Government), unpublished data and open literature for information on tin. Prepares review reports and compilations, accession lists and abstracts, provides answers to questions and technical consultation. Research laboratory facilities in London.

864

"TITANIUM ABSTRACT BULLETIN"

P.O. Box 216, Kynoch Works, Witten, Birmingham 6, England
(Imperial Chemical Industries, Ltd)

Abstracts on titanium with author and subject indexes, started 1955.
Bimonthly - by request - 1000 abstracts/yr.

TITANIUM METALLURGICAL LABORATORY

see:

Defense Metals Information Center

865

"TITLE ANNOUNCEMENT LIST"

Technical Library Division, Army Ballistic Missile Agency, Redstone Arsenal, Ala.

(Army)

Titles and references to reports and translations of interest to ABMA. Started 1957.

Weekly list - by request - 13,000 references/yr.

866

TOXICOLOGICAL INFORMATION CENTER

2101 Constitution Avenue, NW, Washington 25, DC - EX 3-8100

(National Research Council)

Publications, reports and journals are searched, and information is revised for internal use. Abstracts and indexes are published.

Inquiries are answered, and reports are prepared for sponsors. Information relating to effects of chemical substances on man, animals, and plant life. Compilation of toxicity data from FDA files. Supported by A-N-AF-AEC.

Evaluation reports, studies, - Sponsors

867

"TRANSACTIONS OF THE BRITISH CERAMIC SOCIETY"

North Staffordshire Technical College, Stoke-on-Trent, England

(British Ceramic Society)

Abstracts covering ceramics, related chemistry, physics and taken from books, reports, 300 journals and other sources. Started 1091 with annual author and subject indexes.

Monthly - \$14.00/yr. - 4000 abstracts/yr.

868

TRANSATOM

European Atomic Energy Community (EURATOM), Brussels, Belgium

A joint effort of EURATOM, United Kingdom Atomic Energy Authority, and AEC. Will collect and disseminate information on translations of nuclear literature, with emphasis on such languages unfamiliar to Western readers as Russian and Japanese. Publishes a monthly Transatom Bulletin which will list existing translations recently reported to the Brussels Office. Collects and records all available data relating to translations, including those made before the establishment of Transatom, in a master file system at Brussels.

Monthly Bulletin, Card file - subscription

869

TRANSLATING SECTION

National Institutes of Health Library, Washington 25, DC

(National Institutes of Health)

Maintains articles concerning medical research, provides a loan service. Prepares a monthly listing of articles with abstracts.

870

TRANSLATION & FOREIGN SCIENTIFIC LITERATURE CENTER

University of Wisconsin, Madison, Wisc.

Covers translations in the fields of Geophysics, Geology and
Geology including Polar Research.

Consultation

871

TRANSLATIONS BULLETIN - LENDING LIBRARY UNIT

20 Chester Terrace, London NW 1, England

(Department of Scientific & Industrial Research)

Covers translations available in the Lending Library Unit.

Monthly bulletin - H. M. Stationery Office (\$7.50/yr.)

872

TRANSLATIONS CENTER

86 E Randolph Street, Chicago, Ill. - AN 3-6660

(Special Libraries Association)

Collects translations of foreign scientific and technical material.

Translations

873

TRANSPARENT GLAZING MATERIALS (MIL HANDBOOK 17 - Part II)

National Bureau of Standards, Washington 25, DC

Collects reports on transparent materials, copying service. Reviews &
abstracts with question answering service. Prepares handbook.

N-AF-FAA supported.

874

TRAVELERS RESEARCH CENTER, INC.

650 Main Street, Hartford 3, Conn. - JA 2-5284

Develops automatic data processing techniques for analysis and
prediction of weather.

TUFTS UNIVERSITY

see:

Information Analysis Service

"Human Engineering Bibliography"

Human Engineering Information & Analysis Service

875

TUNGSTEN INSTITUTE

1757 K Street, NW, Washington, DC

Technical society supported by organizations interested in mining,
processing and development of tungsten. Abstracts and catalog
are used to search tools to get information from a collection
of open literature, Government and industry research reports
and unpublished data. This information is disseminated in the
form of abstracts, accession lists, answers to technical ques-
tions, consultations. Research facilities are available.

876

"UKAEA LIST OF PUBLICATIONS AVAILABLE TO THE PUBLIC"

Atomic Energy Research Establishment, Harwell, Berks, England
(U.K. Atomic Energy Authority)

An index of atomic energy information, started 1955, with author
and numerical indexes.

Monthly - 800 references

UK ATOMIC ENERGY AUTHORITY

see:

Nuclear Information Center

"UKAEA List of Publications Available to the Public"

877

"UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY"

Box 73, Lexington 73, Mass.

(Lincoln Labs)

References to papers, reports, translations plus others in areas of
interest to Lincoln Labs. Started 1951, author index, chrono-
logical listing; AF supported.

Irregular - by request - 2000 references

878

"UNDERSEA WARFARE BIBLIOGRAPHY"

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Reports covered by abstracts, and prepared in a bibliography.

Semiannual

UNDERWATER EXPLOSIONS RESEARCH DIVISION

see:

"Abstracts & Index of UERD Technical Publications"

879

"UNDERWATER SOUND BIBLIOGRAPHY"

Naval Research Laboratory, Washington 25, DC - JO 3-6600

Reports are searched and abstracts prepared which are collected
into a bibliography. Appears in the Journal of Underwater
Acoustics. Accumulative volumes are published every two years,
one classified, one unclassified

Quarterly

UNION CARBIDE & CARBON CORPORATION

see:

National Carbon Company

880

UNION CARBIDE OLEFINS COMPANY

South Charleston, W Va.

Collects information on R&D on olefins, organic chemistry.

UNION CARBIDE PLASTICS COMPANY

see

Development Department Index, Chemistry, Physics"

UNITED NATIONS EDUCATIONAL SOCIAL CULTURAL ORGANIZATION (UNESCO)

see:

"Index Translationum"

881

"U.S. NAVY MEDICAL NEWS LETTER"

Naval Medical Research Institute, Bethesda, Md.

A listing of abstracts covering all fields of medicine and allied sciences. Includes Bureau of Medicine circular letters, medical and dental research, sanitation and public health.

Semimonthly

882

UNITED TECHNICAL INDUSTRIES, INC.

5221 S. Major Street, Murray, Utah, AM 6-3548

Technical, marketing and sales information to support R&D; covers materials, communication, powder metallurgy, solid propellants, fluorine, beryllium and rare earths chemistry. Performs literature searches, answering service, survey and abstract reviews.

883

"UNITERM ELECTRONICS PATENTS SERVICE"

1000 Connecticut Avenue, Washington 6, DC

(Information for Industry, Inc.)

Uniterm indexes on patents in electronics, automation and related areas. Started 1955.

Quarterly - subscription - 5000 entries/yr.

884

"UNITERM INDEX OF U.S. CHEMICAL PATENTS"

1000 Connecticut Avenue, NW, Washington 6, DC

(Information for Industry, Inc.)

Uniterm indexes covering entire spectrum of patents of interest in chemical fields. Started 1955.

Bimonthly - \$1000/yr. - 9000 entries/yr.

885

UNIVERSAL-CYCLOPS STEEL CORPORATION

Library, Bridgeville, Pa. - CA 1-8000

Collects published information on ferrous metallurgical materials, nickel and cobalt base alloys and refractory metals.

886

UNIVERSAL OIL PRODUCTS, Chicago, Ill.

Collects information on base fluids, oils, petroleum, fuels and combustion.

UNIVERSITY COLLEGE - CARDIFF

see:

"Structure Reports"

UNIVERSITY MICROFILMS, INC.

see:

"Dissertation Abstracts"

UNIVERSITY OF ALABAMA

see:

"Research Progress in Textiles, Clothing"

UNIVERSITY OF ALASKA

see:

IGY World Data Center (Instrumental Observation of the Aurora)

UNIVERSITY OF ALBERTA

see:

Boreal Institute

UNIVERSITY OF ARIZONA

see:

Crystal Structures
Lunar & Planetary Laboratory

UNIVERSITY OF CALIFORNIA

see:

"Selected Values for the Thermodynamic Properties of Metals & Alloys"
"Thermodynamic Properties of Metals & Alloys"
Department of Insect Pathology

UNIVERSITY OF CALIFORNIA MEDICAL CENTER

see:

Radioactivity Research Center

UNIVERSITY OF CHICAGO

see:

X-Ray Powder Data File
Institute for Systems Research

UNIVERSITY OF CINCINNATI

see:

Botany Herbarium
Division of Biological Research

UNIVERSITY OF COLORADO

see:

IGY World Data Center (Solar Activity)

UNIVERSITY OF DELFT

see:

International Center for Translation from East European Countries

UNIVERSITY OF ILLINOIS

see:

Plant Virology (Phytovirology)

UNIVERSITY OF LOUISVILLE

see:

"Computers in Behavioral Science"

UNIVERSITY OF MARYLAND

see:

College Park Metallurgy Research Center

UNIVERSITY OF MIAMI

see:

Morton Collectanea

UNIVERSITY OF MICHIGAN

see:

Ballistic Missile Radiation Analysis Center

Infrared Information & Analysis Group

Computer Program Library

Behavioral Science

McMath-Hulbert Observatory

Mental Health Research Institute

Vela Seismics Information & Analysis Center

School Environments Research Project

UNIVERSITY OF MINNESOTA

see:

IGY World Data Center (Cosmic Rays)

"Annual Heat Transfer Review"

Dight Institute for Human Genetics

UNIVERSITY OF MONTREAL

see:

Stress & Endocrinology

UNIVERSITY OF NORTH CAROLINA

see:

Computation Center

UNIVERSITY OF OKLAHOMA

see:

Computation Center

Degolyer Collection in the History of Science & Technology

UNIVERSITY OF PENNSYLVANIA

see:

Flower & Cook Observatory

UNIVERSITY OF PUERTO RICO

see:

Institute of Caribbean Studies

UNIVERSITY OF PUGET SOUND

see:

Biology Research Laboratory

UNIVERSITY OF RHODE ISLAND

see:

Aquatic Sciences Retrieval Center

UNIVERSITY OF TOLEDO

see:

Information Service in Silicate Science

UNIVERSITY OF WISCONSIN

see:

Translation of Foreign Scientific Literature Center

Geophysical & Polar Research Center

Mathematics Research Center

888

USAF R&D PROGRAM SUMMARY (RCS: AF-R13)

Andrews AFB, Washington 25, DC

(AFSC)

Presents summarized data in systems and project in the USAF R&D Program by numerical listing and program structure. 22 items of information are shown such as system or program area, project number, title, priority, project office, requirement and directive documents, date of list 613, etc.

Monthly

U.S. COAST & GEODETIC SURVEY

see:

IGY World Data Center (Geomagnetism, Gravity & Seismology)

U.S. GEOLOGICAL SURVEY

see:

"Thermodynamic Properties of Selected Minerals at High Temperatures"
Crystal Data

"Bibliography of North American Geology"

"Geophysical Abstracts"

Thermodynamic Studies Project

Technical Advisory Committee on Antarctica Mapping

U.S. HYDROGRAPHIC OFFICE

see:

Navy Hydrographic Office

U.S. JOINT PUBLICATIONS RESEARCH SERVICE

see:

"Bibliography of Soviet Abstract Journals"

U.S. PATENT OFFICE

see:

Patent Office

889

"VACUUM - CLASSIFIED ABSTRACTS"

Pergamon Press, 122 E 55th Street, New York 22, NY

Bimonthly, abstracts, annual author index, General Vacuum Science and Engineering, vacuum technology, production, measurement of low pressures; vacuum applications; kinetic theory of gases; fluid dynamics; gases and solids; thermodynamics, gaseous electronics; radiation. Vacuum Apparatus and Auxiliaries. Materials and Techniques used in Vacuum Technology. Basic Science and Engineering.

Abstracts - \$28.00 - 350 abstracts/yr.

890

VANADIUM CORPORATION OF AMERICA

P.O. Box 435, Cambridge, Ohio - 46345

Collects information on occurrence, extraction and applications of alloying elements for steels, non-ferrous alloys and metallic compounds.

891

VAN DER HORST CORPORATION OF AMERICA

Box 557, Olean, New York, FR 2-5200

Collects electroplating information, chromium, iron and nickel.

892

"VARIOLA VIRUS"

Fort Detrick, Frederick, Md.

(Army Biological Warfare Labs)

Survey and analysis of recent literature pertaining to variola virus and the disease it produces, smallpox. Information is presented on the nature of the natural disease and its epidemiology. Specific points discussed are (1) history, (2) course of disease, (3) morbidity and mortality in various populations, (4) residual effects, (5) factors influencing the severity of the disease, (6) numerous documented epidemics of the disease, (7) conditions relating lab infections in man.

242 items

893

VELA SEISMICS INFORMATION & ANALYSIS CENTER

Institute of Science & Technology, Box 618, Ann Arbor, Mich. - NO 3-1511 (University of Michigan)

Collects, analyzes and disseminates all information available concerning military seismics R&D.

894

VEREIN DEUTSCHER EISENHUTTENLEUTE

Dusseldorf, Germany

Propotes technical and scientific research in the iron and steel industry.

VESIAC

see:

Advanced Research Projects Agency (ARPA)

Vela Seismics Information & Analysis Center

895

"VIBRATIONS & FLUTTER PREVENTION HANDBOOK (ANC-12) "

Aeronautical Standard Group, Washington 25, DC - OX 6-2926
Handbook

VICTOR CHEMICAL WORKS

see:

Chemistry

VINITI

see:

All Union Institute of Scientific & Technical Information

896

VINYL FABRICS INSTITUTE

65 E 55th Street, New York 22, NY

A trade association interested in the chemistry, production, processing and promotion of vinyl products. Maintains a catalog to a collection of open literature and industrial research reports in the subject area. Abstracts and accession lists are published, and basic documents are available for distribution or sale. Answers to technical questions and consultations are provided.

VISION COMMITTEE OF ARMED FORCES - NRC

see:

Armed Forces - NRC Vision Committee

897

VISION INFORMATION PROGRAM, INC.

427 Bankers Trust Building, Indianapolis 4, Indiana - ME 1-6709

Covers information on visual acuity, ocular motility, fusion and stereopsis, and other visual information.

WARNER-LAMBERT RESEARCH INSTITUTE

see:

Technical Information Section

WASHINGTON BOARD OF TRADE

see:

"Private R&D Organizations in the Washington Metropolitan Area"

899

"WASHINGTON SCIENCE TRENDS"

National Press Building, Washington 4, DC - EX 3-0031

Collects and publishes information on R&D programs of, by, or for the Federal Government, including DOD. Life sciences excluded.

WASHINGTON STATE INSTITUTE OF TECHNOLOGY

see:

Technical Extension Service

900

WATER INFORMATION CENTER INCORPORATED

864 Willis Avenue, Albertson, Long Island, NY - PI 1-3211

Reviews and disseminates published and unpublished information on water supply, waste disposal, conservation, construction and installations.

WATER INFORMATION CENTER INCORPORATED

see:

"Water News Letter"

901

"WATER LOADS (ANC-3)"

Aeronautical Standards Group, Washington 25, DC - OX 6-2926

Stress information

Handbook

902

"WATER NEWS LETTER"

60 E 42nd Street, New York 17, NY

(Water Information Center, Inc.)

Latest information and News on water, installation, construction, waste disposal and conservation.

WAYNE STATE UNIVERSITY

see:

Chemistry

903

"WEAPON DATA INDEX"

Atomic Energy Commission - DOD (DASA) Washington 25, DC

(Atomic Energy Commission)

Reports are searched and abstracts and indexes prepared covering special weapons data. Catalog service provided, bibliographic services.

904

WEAPON SYSTEM PROGRAMMING & CONTROL SYSTEM

Air Force Logistics Command, Wright-Patterson AFB, Ohio - CL 3-7111
A program consisting of 18 leading missile contractors performing an electronic Data Program Study of time costing for production parameters.
Data

905

WEATHER BUREAU

U.S. Weather Bureau, Suitland, Md. - RE 5-2000
(Department of Commerce)
Monthly Weather Review - original research in meteorology, climatology, N Hemisphere. National Hurricane Research Project Reports. Weather Bureau Library (Suitland). Scientific and technical publications in meteorology and related fields - 250,000 card catalog by author, subject title. Bibliographic and literature search microcard reproduction. Depository for World Meteorological Organization (UN) - translations on weather science.
Abstracts and articles - public - 135,000 volumes

906

WEATHER MODIFICATION

National Science Foundation, Washington 25, DC - ST 3-2140
Reports on all weather modification activities of the NSF and other Federal agencies, state and local Governments, and commercial organizations, also foreign countries.

907

WELDING RESEARCH COUNCIL

29 W 39th Street, New York 18, NY - PE 6-9220
Sponsored by industry to monitor and conduct research in welding. Maintains abstracts and catalog index to a collection of open literature, Government and industrial research reports and unpublished data. This information is used as a basis for compilations, review reports, accession lists, and abstracts. Services include answers to technical questions and consultations.

WESTERN MICHIGAN UNIVERSITY

see:
Adams Center for Ecological Studies

WESTERN RESERVE UNIVERSITY

see:
Center for Documentation & Communication Research

WILLIAMS COLLEGE

see:
Roper Public Opinion Research Center

H. W. WILSON COMPANY

see:

"Applied Science & Technology Index"

"Bibliographic Index"

908

"WOOD AIRCRAFT INSPECTION & FABRICATION (ANC-19)"

Aeronautical Standards Group, Washington 25, DC - OX 6-2926

Handbook

909

"WORLD DIRECTORY OF NUCLEAR REACTORS"

Karntnerring, Vienna 1, Austria

(International Atomic Energy Agency)

A directory containing detailed information of research, test and experimental reactors currently in operation or under construction in 21 countries. Periodically revised.

Irregular - \$4.00/volume - 96 references

910

WORLD LIST OF INBRED STRAINS

Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine - AT 8-3373

Maintains a subject-strain bibliography of the mouse and gene bibliography, is world center for mouse genetics, publishes

World List of Inbred Strains" of mice. Answering service on

fee basis. Transplantable tumors of mice, named genes in mice.

Listing

WRIGHT AIR DEVELOPMENT DIVISION

see:

Aeronautical Systems Division

911

WYETH LABORATORIES

Scientific Information Section, Box 8299, Philadelphia 1, Pa.

MU 8-4400

Collects information on medicine, pharmaceuticals, chemistry, pharmacology and biochemistry.

912

X-RAY POWDER DATA FILE

1916 Race Street, Philadelphia 3, Pa.

(American Society for Testing Materials)

Open stock, index book. Has Hanawalt groupings and alphabetical listings, for all cards. Organic and inorganic chemicals and minerals.

Index, cards - 5,700 cards

913

X-RAY POWDER DATA FILE

Department of Geology, Chicago 37, Ill. - MI 3-0800

(University of Chicago)

Collects, critically evaluates and publishes all good X-ray powder diffraction data for identification of both inorganic and organic materials.

Data - fee

YALE UNIVERSITY

see:

Human Relations Area Files

914

YARDNEY ELECTRIC CORPORATION

40-52 Leonard Street, New York 13, NY - WO 6-3100

Collects, publishes and circulates information on high-energy conversion systems.

915

"YEAR BOOK OF MEDICINE"

200 E Illinois Street, Chicago 11, Ill.

(Year Book Publishers, Inc.)

Abstracts critically reviewed from 600 journals. Started 1900, covering medical field.

Annually - \$8.00/yr. - 6,500 abstracts/yr.

YEAR BOOK PUBLISHERS, INC.

see:

"Medical Physics"

"Year Book of Medicine"

916

"ZENTRALBLATT FUR MATHEMATIK"

Jagerstrasse 22/23, Berlin W 8, Germany

(Deutsche Akademie der Wissenschaften zu Berlin)

Abstracts in German from books, proceedings, and 25 journals in areas of mathematics, physics, astronomy and closely related technology. Started 1931, author and subject indexes.

4 volumes/yr.- \$16.50/volume - 4000 abstracts/yr.

917

ZENTRALSTELLE FUR LUFTFAHRTDOKUMENTATION UND INFORMATION

Reim near Munich, Germany

German aeronautical documentation center. Collects publications, answers reference questions, compiles bibliographies, searches for publications stored in other German institutions.

Bibliographies and question replies

918

ZENTRALSTELLE FUR WISSENSCHAFTLICHE LITERATUR

Unter den Linden 8, Berlin W 8, Germany

Maintains extensive collection of translations of Soviet articles and books. Will translate, perform subject search.

Photostat, microfilm, typed extract - fee

919

ZIRCONIUM INFORMATION CENTER

P.O. BOX 337, Niagra Falls, NY

(Carborundum Company)

PART II

BROAD AREA LISTING OF SYSTEMS TITLES

AEROSPACE SCIENCE & TECHNOLOGY, GENERAL

- 18. Advances in Space Science
- 19. Advisory Group for Aeronautical Research and Development (AGARD)
- 26. Aeronautical Engineering Reviews
- 27. Aerospace Engineering
- 31. Aerospace Year Book
- 34. Aircraft Engineering
- 36. Air Information Division (see STEP-Scientific Technology Exploitation Program)
- 42. All Union Institute of Scientific and Technical Information (VINITI)
- 72. Annual Index of AFSC Technical Documentary Reports
- 91. ARS Journal
- 97. ASTIA
- 98. Astronautics Information Abstracts and Index
- 176. Catalogs of Technical Reports
- 183. Central Documentation of Aeronautical Literature
- 242. Current Contents of Space and Physical Sciences
- 251. DD-613 Index
- 252. DD-613 Program
- 255. Degolyer Collection in the History of Science and Technology
- 352. Guide to U.S. Indexing and Abstracting Services in Science and Technology #101
- 389. Index of NASA Technical Publications
- 392. Index of Publications
- 437. International Aerospace Abstracts
- 457. John Crerar Library
- 459. Journal of Aerospace Sciences
- 473. Journal of the British Interplanetary Society
- 484. Library Additions
- 485. Library and Reference Service
- 491. Linda Hall Library
- 494. List of Publications
- 496. List of Subject Headings
- 497. List of Technical Reports
- 501. London Technical Reports
- 521. Mathematical, Physical, Engineering Science Division
- 552. Midwest Research Institute
- 559. Monthly Catalog of United States Government Publications
- 593. New York Academy of Sciences, Inc.
- 604. OAR Planned Symposia (RCS: ARDC-R27)
- 607. Office of Critical Tables
- 611. Office of Technical Services
- 627. Pacific Aeronautical Library Uniterm Index
- 743. Science Reference Notes.
- 813. Technical Abstract Bulletin
- 825. Technical Information Center

APPLIED SCIENCE & TECHNOLOGY

- 16. Advances in Applied Mechanics
- 66. American Society for Testing Materials
- 82. Applied Mechanics Reviews
- 83. Applied Science and Technology Index
- 174. Catalog of Publications
- 191. Chemical Engineering Progress
- 195. Chemical Information Service
- 200. Chemistry
- 268. Directory of Technical Specifications
- 405. Industrial Information Services
- 527. Mechanical Engineering - Technical Digest
- 528. Mechanical Properties of Metals
- 537. Metal Finishing
- 538. Metal Powder Association
- 540. Metal Treating Institute
- 541. Metal Sandwich Construction
- 542. Metallurgical Abstracts: General and non-Ferrous
- 544. Metals Review
- 545. Metals - Test Methods and Design Data on (ANC-5)
- 546. Metcut Research Machining Data Center

CHEMISTRY, PHYSICS & MATHEMATICS

- 78. Annual Review of Physical Chemistry
- 88. Army Chemical Research and Development Laboratories
- 104A. Atomic Physics Data Center
- 118. Beilstein
- 188. Chemical Abstracts
- 195. Chemical Information Service
- 197. Chemical Titles
- 200. Chemistry
- 239. Current Chemical Papers
- 346. Gmelin Handbuch der Anorganischen Chemie
- 350. Groth Institute
- 354. Handbook of Chemistry and Physics
- 386. Index Chemicus
- 405. Industrial Information Services
- 423. Institute for Scientific Information
- 458. Journal de Chimie Physique et de Physico-Chimie Biologique
- 461. Journal of Applied Chemistry
- 510. Manufacturing Chemists' Association Research Project
- 511. Manufacturing Chemists Association Research Project on Properties of Chemical Compounds
- 520. Mathematical Computation Branch
- 521. Mathematical, Physical, Engineering Science Division
- 522. Mathematical Review
- 523. Mathematics of Computation
- 524. Mathematics Research Center
- 528. Mechanical Properties of Materials
- 530. Medical Chemicals Corporation
- 623. Organic Chemicals
- 625. Organic Research
- 648. Physics Abstracts
- 755. Selected Values of Chemical Thermodynamic Properties

EARTH, ATMOSPHERE AND SPACE SCIENCES

1. Abstracts of Articles on Geodesy and Related Fields
17. Advances in Geophysics
55. American Geographical Society
131. Bibliography and Index of Geology Exclusive of North America
133. Bibliography of North American Geology
177. Cave Research Associates
209. Coast and Geodetic Survey
230. Core Laboratories, Inc.
243. Current Geographical Publications
341. Geophysical Abstracts
342. Geophysical and Polar Research Center
345. Geoscience Abstracts
369. Hydrographic Office
372. IGY World Data Center (Airglow and Ionosphere)
373. IGY World Data Center (Cosmic Rays)
374. IGY World Data Center (Geomagnetism, Gravity and Seismology)
375. IGY World Data Center (Glaciology)
376. IGY World Data Center (Instrumental Observation of the Aurora)
377. IGY World Data Center (Longitude and Latitude)
378. IGY World Data Center (Meteorology and Nuclear Radiation)
379. IGY World Data Center (Oceanography)
380. IGY World Data Center (Rockets and Satellites)
381. IGY World Data Center (Solar Activity)
382. IGY World Data Center (Visual Observations of the Aurora)
428. Institute of Polar Studies
525. McLean Paleontological Laboratory
526. McMath-Hulbert Observatory
547. Meteorological Abstracts and Bibliography
577. National Weather Records Center
649. Physics and Chemistry of the Earth
764. Smithsonian Astrophysical Observatory

FOREIGN SCIENCE & TECHNOLOGY

1. Abstracts of Articles on Geodesy and Related Fields
3. Abstract Bulletin of Aluminum Laboratories, Ltd.
8. Abstracts of Soviet Medicine (Part A - Basic Medical Sciences)
9. Abstracts of Soviet Medicine (Part B - Clinical Medicine)
11. ACTA Metallurgica
19. Advisory Group for Aeronautical Research and Development
22. Aerodynamics and Flight Mechanics
24. Aero-France
32. Aerotechnica
34. Aircraft Engineering
42. All Union Institute of Scientific and Technical Information (VINITI)
92. ASLIB Commonwealth Index of Unpublished Translations
96. Association of Special Libraries and Information Bureaux
101. Astronomischer Jahresbericht
118. Beilstein
119. Belgian Corrosion Research Center (CEBELCOR)
137. Bibliography of Soviet Abstract Journals
155. British Plastics Federation Abstracts
157. Bulletin Mensuel Signaletique
159. Bulletin of the British non-Ferrous Metals Research Association
160. Bulletin of the British Scientific Instrument Research Association
161. Bulletin of the Provisional International Computation Centre
162. Bulletin Signaletique
163. Bulletin Signaletique des Telecommunications
169. Canadian Geophysical Bulletin
183. Central Documentation of Aeronautical Literature
186. Centre de Documentation
192. Chemical Engineering Science
197. Chemical Titles
245. Current Review of the Soviet Technical Press
271. Docaero
277. Documents Digest
282. DVL-Bibliographie
287. Electron Devices Data Service
292. Electronic Industries
293. Electronics Express
307. European Office Activity Report
308. European Office Bibliography of Technical Notes & Technical Reports
309. European Scientific Notes
324. Flygforvaltningen Material Division
328. Foreign Service Information Program
332. Foundation for Scientific Literature Difficult of Access
334. French Bibliographical Digest
336. Gas Chromatography Abstracting Service
339. Gensiryoku Kankei Siryomokuroku (Index to Literature on Atomic Energy)
346. Gmelin Handbuch der Anorganischen Chemie
347. Goodrich-High Voltage Astronautics
367. Hungarian Technical Abstracts
371. ICRS Medical Reports

FOREIGN SCIENCE & TECHNOLOGY (Cont'd)

384. Index Aeronautics
399. Index Translationum
402. Indian Science Documentation Centre
403. Indicative Abstracts of Russian Chemical Journals
404. Indice di Periodici Scientifici e Tecnici
407. Industrie des Plastiques Modernes
412. Information on Soviet Bloc International Geophysical Cooperation
417. Information Special
426. Institute of Contemporary Russian Studies
421. Institut Francais du Petrole, des Carburants et Lubrifiants
434. Interavia
438. International Center for Translation from East European Countries
441. International Technical Titles
454. Japan Information Center of Science and Technology
456. Jernkontorets Litteraturoversikt
549. Mexican Scientific and Technical Documentation Centre
560. Monthly Index of Russian Accessions
565. Nationaal Luchtvaart Laboratorium
586. Nederlandse Technische-Wetenschappelijke Literatuur
587. NE-Metalle
600. Nuclear Energy Documentation
601. Nuclear Information Center
650. Physics Express
652. Physikalische Berichte (Physics Reports - News)
658. Polish Technical Abstracts
689. Quarterly Activity Report
704. Referativnyi Zhurnal Astronomiya, Geodesiya
711. Reports on Progress in Physics
725. Revue d'Optique
730. Rotol Digest
731. Rubber Abstracts
744. Scientific Information Report
749. Scientific Technology and Exploitation Program (STEP)
752. Selected Abstracts from the Abstracts Journal, Metallurgy
762. Service de Documentation et d'Information Technique de L'Aeronautique
777. Soviet Abstracts: Biology, Chemistry, and Physics
778. Soviet Physics - Acoustics (Akusticheskii Zhurnal)
779. Soviet Science and Technology
780. Soviet Science in Translation
848. Technisch Documentatie en Informatie Centrum voor de Krijgsmacht
849. Tekniska Littera Tursallskapets Referensjanst
864. Titanium Abstract Bulletin
867. Transactions of the British Ceramic Society
868. Transatom
871. Translations Bulletin - Lending Library Unit
876. UKAEA List of Publications Available to the Public
894. Verein Deutscher Eisenhüttenleute
909. World Directory of Nuclear Reactors
916. Zentralblatt für Mathematik
917. Zentralstelle für Luftfahrtokumentation und Information
918. Zentralstelle für Wissenschaftliche Literatur

FUELS, PROPELLANTS & POWER

- 229. Coordinating Research Council
- 265. Direct Energy Conversion: Selected References
- 310. Evaluation of High Temperature Hydrocarbon Fuels
- 333. FPD Technical Information Center
- 347. Goodrich-High Voltage Astronautics
- 401. Indexing Fuel and Lubricant Additives
- 421. Institut Francais du Petrole, des Carburants et Lubrifiants
- 509. Manual of Liquid Propellant Rocket Engines
- 661. Power Information Center

LIFE SCIENCES (INCLUDING MEDICINE)

8. Abstracts of Soviet Medicine (Part A - Basic Medical Sciences)
9. Abstracts of Soviet Medicine (Part B - Clinical Medicine)
12. Adams Center for Ecological Studies
29. Aerospace Medicine
30. Aerospace Medicine and Biology: An Annotated Bibliography
74. Annual Review of Biochemistry
77. Annual Review of Medicine
109. Aviation Medicine - An Annotated Bibliography
124. Bibliographies Available
132. Bibliography on Medical Electronics
139. Bibliography of Space Medicine
141. Bibliography of Unclassified Human Engineering Reports
142. Biocastronautics: An ASTIA Report Bibliography
145. Biological Abstracts
175. Catalog of the National Library of Medicine
240. Current Contents of Life Sciences Publications
272. Documentation Center, Pathology, Pharmacology, and Biochemistry
281. Drug Standards (National Formulary)
365. Human Relations Area Files
385. Index-Catalogue of Medical and Veterinary Zoology
393. Index of Research Reports - SAM
394. Index Medicus
435. International Abstracts of Biological Sciences
458. Journal de Chimie Physique et de Physico-Chimie Biologique
460. Journal of American Medical Association
529. Medical Abstracts
530. Medical Chemicals Corporation
531. Medical Physics
532. Medical Publications
533. Medical Research Laboratories
534. Mental Health Book Review Index
535. Mental Health Research Institute
550. Microbiology Abstracts
555. Mississippi Institute of Microbiology
580. Naval Human Engineering Bulletin
606. Office of Biological Handbooks
641. Pharmaceutical and Medicinal Chemistry Literature
717. Research Information Services
739. School of Aviation Medicine

MATERIALS & METALS

- 11. ACTA Metallurgica
- 65. American Society for Metals
- 93. ASM Documentation Service
- 234. Crerar Metals Abstracts
- 254. Defense Metals Information Center (DMIC)
- 330. Forest Products Laboratory
- 457. John Crerar Library
- 516. Materials Advisory Board
- 517. Materials Central
- 519. Materials Task Card Index - DOD Materials Research
- 528. Mechanical Properties of Materials
- 537. Metal Finishing
- 538. Metal Powder Association
- 543. Metals Documentation Service
- 544. Metals Review
- 546. Metcut Research Machining Data Center
- 551. Microchemical Journal

PART III

SUBJECT INDEX

- Absorption - 599, 784, 854
 - Infrared - 69, 211, 585, 784, 785
 - Ultraviolet - 62, 624, 720, 784, 789
- Accessories - 28, 730
- Accident - 810
- Acoustics - 294A, 470, 563, 583, 646, 737, 778, 879
 - Bioacoustics - 86A
- Additives - 386B, 479, 712
- Adhesion - 528
- Adhesives - 325, 330, 724
- Aerial Photography - 25
- Aero/astro Sciences - see "Aerospace"
- Aerodynamics - 16, 22, 23, 26, 134, 282, 387, 424, 474, 495, 565, 567, 781
- Aeroelasticity - 26, 82
- Aeronautical - 16, 26, 34, 82, 183, 484, 813, 815, 823
 - Charts - 25
 - Engineering - 388, 721
 - Foreign - 24, 32, 137, 271, 282, 324, 474, 495, 762, 917
 - Rand Reports - 392
 - Systems - 276
 - Scandinavia - 324
- Aerospace, Science, Technology - 16, 19, 24, 26, 27, 31, 32, 34, 36, 37, 82, 87, 108, 142D, 183, 242, 384, 431, 437, 459, 484, 497, 564, 627, 650, 680, 741, 743A, 813, 815, 823, 917
 - Doctrine - 37
 - Foreign - 24, 32, 137, 157, 271, 282, 324, 474, 495, 762, 917
 - Industries - 28, 434
 - Rocket - 500
 - Systems - 28, 276
- Aerospace Medicine - 29, 30, 100, 139, 393, 566
- AFSC - 151, 227A, 318
- AGET - 21
- Aging, Human - 179
- Agriculture - 128, 185, 296, 439, 625, 709
- Air Pollution - 427, 566, 685, 819, 841
- Air Force
 - Contracts - 151, 227A, 676
 - R&D - 86, 888
 - Reports - 72, 248, 252
- Air Doctrine - 37
- Air University - 800
- Air Vehicles - 735
- Aircraft - 89, 204, 216, 261, 262, 351, 567, 736, 743A, 850
 - Manufacturing, Inspection - 28, 908
- Airglow - 372
- Algae - 153
- Aliphatic - 69, 880

Allergies - 94
 Alloys - 38, 39, 40, 154, 254, 326, 587, 726, 863, 885, 890, 891
 Processing - 907
 Properties - 754, 857, 862
 Aluminum - 2, 43, 44, 50, 330, 489, 672, 726
 Amino acids - 143
 Ammonium - 319
 Analysis, Numerical, Computer - 219
 Analytical Chemistry - 189, 346, 420
 Anatomy - 8
 ANC-5 - 545
 Anesthesia - 466
 Animal - 566, 678A
 Antarctic - 342, 428, 814
 Antenna - 13, 81
 Anthelmintic - 533
 Anthropology - 8, 364, 365, 679
 Anti-bacterial - 641
 Anti-biotics - 533
 Anti-fragmentation - 639
 Anti-friction - 531
 Anti-fungal - 533, 641
 Antimony - 536
 Anti-radiation compounds - 258
 Applied Chemistry - 197, 199, 461, 566
 Applied Mechanics - 16, 82, 299, 514
 Applied Science & Technology - 3, 83, 302
 Aquatic Science - 84
 Archeology - 177
 Arctic - 85, 152, 341, 342, 428
 Army R&D - 90, 298, 665, 717A, 793
 Aromatic - 69
 ASTIA - 97, 252
 Astronautics - 82, 96, 98, 99, 100, 347, 392, 484, 743A, 781
 Astronomy - 101, 279, 356, 382, 478, 503, 521, 526, 567, 704, 916
 Astrophysics - 547, 567, 651, 764
 Atmosphere - 166, 380, 382, 424, 644, 645, 737
 Atomic, 104, 868
 Data - 104A, 599
 Energy - 102, 103, 105, 125, 339, 465, 598, 600, 601, 602, 603A, 609, 631, 660
 Weapons - 609, 903
 Atomization, fuel - 718
 Attitude, human - 738
 Audio - 106, 294A
 Aurora - 376, 382
 Australian - 414
 Austrian - 909
 Automatic Control - 107, 112, 191
 Automatic Data Reduction - 828
 see also: "Data Processing"

Automation - 366, 807, 883
 Auxiliary Power, space - 822A
 Aviation Medicine - 109, 393, 684, 739, 802, 810

 Bacteria, Bacterial, Bacteriology, Bacteriacidal - 246, 319, 490, 533,
 570, 619, 641, 688
 Ballistic Missile - 33, 444
 Ballistics - 82, 134
 BAMRAC - 111
 Basic Research - 113, 604, 676
 Bathythermography - 114
 Batteries - 284, 348, 914
 Bearings - 141A, 337, 513
 Behavioral Sciences - 117, 221, 222, 283
 Belgian - 119, 868
 Beryllium - 120, 156, 254, 882
 Bibliographies, general - 99, 120, 122, 127, 135, 756
 Binary Stars - 323
 Bioacoustics - 86A
 Bioastronautics - 142
 Biochemistry - 74, 240, 270, 272, 275, 319, 429, 530, 533, 566, 641,
 679, 717, 724, 833, 911, 185, 193
 Bioelectronics - 142B, 717
 Bioengineering - 344
 Biogeography - 344
 Biology, Biological - 55, 145, 146, 240, 255, 270, 436, 450, 458, 567,
 606, 625, 692, 709, 717, 777
 Area, species - 148,
 Atomic Energy Applications - 603A, 609
 Chemistry - see "Biochemistry"
 Data - 147, 275, 353
 Pacific Area - 343, 628, 629
 Radiation - 566, 694
 Warfare - 383, 582
 Biomedicine - 567, 781
 Bionics - 142B, 717
 Biophysics - 566, 589, 651
 Biosciences - 741
 Blind - 610
 Blood - 566
 Boron Chemistry - 244
 Botany - 153
 Boundary Layer - 16
 Brass, Brazing - 68, 154, 545A
 British - see "Foreign - British"
 Broadcasting - 612
 Bromohydrocarbons - 69
 Bronze - 154
 Building - 566, 567A

- Calcium -
 - Chloride - 167
 - Plages, Astronomical - 526
- Canada - 277
- Cancer - 9, 170, 533
 - Therapy - 150, 170
- Carbon - 786
- Cardiovascular - 172, 566
- Caribbean - 425
- Cartography - 25, 209, 486
- Casting - 38, 39, 65, 543, 544
 - non-Ferrous - 50
 - Steel - 469
- Caves - 177
- Celestial - 579, 781
- Ceramics - 48, 228, 471, 607, 786, 867
 - Coatings - 297
 - Glass - 471
 - Patents - 297, 631
 - Phase Diagrams - 643
 - Silicate Science - 415
 - Tungsten - 875
- Cermets - 48, 786
- Charting & Mapping - 25, 209, 369, 814
- Chemical, Chemistry - 49, 72A, 201, 202, 212, 239, 246, 354, 357, 405, 420, 423, 576, 666, 687, 820, 836, 837, 840
 - Analytical - 189, 346, 420
 - Applied - 197, 199, 461, 566
 - Biological - see "Biochemical"
- Boron - 244
- Earth - 649
- Engineering - 164, 188, 191, 192, 263, 815, 834
- Fuel - 461, 487, 511
- Foreign - 188, 192, 197, 346, 403, 407, 467, 777
- High Energy - 194, 516
- High Temperature - 360
- Industrial - 566
- Kinetics - 196
- Molecular Structure - 386
- Molybdenum - 207
- Patents - 198, 199, 200, 461, 632, 687, 833, 884
- Physical - 78, 242, 244, 255, 344, 346, 350, 357, 429, 458, 566, 721, 741
- Photography - 557
- Plastics - 407
- Pollution - 686
- Properties - 190, 213, 247, 478, 511, 755
- Pure & Applied - 197, 199, 461, 566
- Sources of Compounds - 195, 200, 512
- Warfare - 88, 582, 843

- Chemotherapeutics - 150, 170
- Chinese (Communist) - 493
- Chromatography - 336
- Chromium - 39, 891
- Circuit Breakers - 126
- Circuitry - 453, 774
- Civil Aviation - 31
- Civil Defense - 578
- Climate, Climatology - 114, 206, 243, 375, 547, 577, 905, 906
- Clinical - 275
- Coal - 208, 413, 566
- Coatings - 39, 297, 325, 573, 659, 863
- Cobalt - 210, 250, 885
- Combustion - 338, 718, 855
- Comets - 95
- Commercial - 103, 215
- Communications - 13, 73, 182, 314A, 317, 416, 567, 610, 612, 742, 845
- Composites - 216, 516
- Computers - 161, 219, 220, 314A, 315, 520
 - Behavioral - 221, 222
 - Man-Machine-Submarine - 227
 - Mathematics - 285
 - Programming - 219, 222
- Comptroller Reports - 248
- Conductivity - 861, 862
- Configuration, Vehicle - 507
- Conservation - 900, 902
- Contacts, Electrical - 126
- Contracts, Contractor - 151, 225, 227, 227A, 252, 318, 676
- Control, Navy - 225, 227, 251
- Control Systems - 89, 107, 112, 191, 217, 507, 701A, 803
- Coolant - 562
- Cooling - 706
- Copper Alloys - 154
- Corrosion - 119, 123, 231, 284, 445, 537, 821
 - Alloys - 39, 587
 - Foreign - 346, 456, 587
 - Rare Metals - 144
- Cosmic
 - Noise - 526
 - Rays - 373
- Cotton - 232, 719, 775
- Countermeasures - 314A, 507
- Creep - 233, 528
- Cross Sections, nuclear - 480, 591, 592, 607
- Cryogenics - 235, 409, 419, 567A, 607, 646, 724, 860
- Crystal, Crystallography, Crystallographic - 110, 236, 237, 247, 345, 346, 350, 415, 516, 607
 - Geoscience - 345
- Cutaneous System - 566
- Cytology - 603

Damage , radiation - 361, 422, 688, 805
 Data , numerical - 69, 478, 585, 599, 643, 734, 754, 755, 784, 785, 789,
 799, 858, 860, 861
 Data Processing - 14, 161, 218, 220, 285, 488, 566, 709, 874
 Data Reduction - 828
 DD-613 - 251, 252, 519, 700
 Deafness - 86A, 184, 253
 Decision -
 Human - 227, 364
 Control - 89, 807
 Defense Research - 97, 251, 252, 578
 Dentistry - 566, 620, 881
 Dermatology - 8
 Design Criteria - 65, 66, 514
 Detection - 15, 111
 Detergents - 410
 Deterioration - 663
 Dielectrics - 314A
 Diffraction, X-Ray - 912, 913
 Diffusion - 703
 Diodes - 259
 Direct Energy Conversion - 265
 Disease - 257, 264, 426, 685
 Dispersion - 574
 Display - 89, 227
 Disposal, waste - 143, 566, 902
 Dissertations - 269
 Documentation - 51, 52, 96, 183, 608, 716, 750
 Research - 182, 488
 Drugs - 275, 281, 479, 499, 512, 566
 Dyes - 838
 Dynamic Control Systems - 217
 Dynamics - 462

 Earth
 Chemistry - 649
 Core - 230
 Magnetism - 374, 380
 Quakes - 374, 893
 Rare - 234, 882
 Sciences - 243, 341, 342, 521, 549
 Eclipses - 579
 Ecology - 12, 243, 463, 629
 Economics, Economic, Economy - 329, 578, 581, 709
 Education - 106, 283, 366, 508
 Effects, radiation - 422, 693, 694
 Elastic Waves - 893
 Electrical Components - 126, 314
 Electrical Engineering - 41
 Electricity - 56, 341, 342
 Electro-acoustics - 178

- Electrochemical - 284, 346, 348, 449, 461, 661, 737, 914
- Electrodialysis - 449
- Electromagnetic - 111, 286, 358, 380, 661
- Electron -
 - Beam - 361
 - Diffraction - 236, 799
 - Furnace - 516
 - Inelastic Processes - 104A
 - Physics - 64, 104A
 - Transitions - 104A
- Electronic, Electronics - 26, 34, 56, 108, 134, 142B, 291, 293, 453, 483, 567, 721, 826, 889
 - Communication - 314A
 - Components - 20, 21, 126, 259, 287, 289, 290, 435, 759, 786, 812
 - Computer - 220, 453
 - Engineering - 451, 452
 - Equipment - 56, 294A, 295
 - Foreign - 163, 287, 292, 294A
 - Materials - 20, 56, 657, 724, 774
 - Patents - 294, 295, 883
 - Space - 500
- Electroplating - 53, 891
- Elements, rare - 120
- Embryology - 8
- Emission - 142C, 347, 397
- Emissivity, thermal - 862
- Enamel - 297, 659
- Endocrinology - 8, 798
- Endodontics - 620
- Energy - 831, 832
 - Atomic - 103, 105, 125, 339, 598, 600, 601, 602, 609, 631, 660
 - Conversion - 265, 829, 914
 - Solar - 527, 770, 771, 832
- Engineering - 41, 77A, 291, 298, 299, 300, 301, 303, 451, 452, 506, 721, 787, 788, 817, 835
 - Chemical - 164, 188, 191, 192, 263, 815, 834
- Engineers, Corps of - 298, 667
- England, English - see "Foreign - England"
- Entomology - 75, 570, 629
- Environment - 303, 304, 305, 442, 566, 738
- Enzyme - 316, 479
- Epidermology - 892
- Equipment - 28, 56, 86, 266, 293, 295, 314A, 406, 416, 664
- Eugenics - 306
- European R&D - 307, 308, 309, 417, 501, 689, 848
- European R&D, East - 438
- Exosphere - 372
- Exploration, geophysics - 341
- Explosions, Explosives - 4, 72A, 134, 190, 311, 338

- Fabric - 330, 344, 896
- Facilities, R&D - 86
- Far Infrared - 69
- Fatigue - 528, 907
- Fats, oils - 232, 512, 571
- Fermentation - 143, 641
- Fermiage - 703
- Ferrites - 786
- Ferrous Metallurgy - 885, 894
- Fertilizer - 325
- Fibers - 633
- Film - 603, 633, 654
- Filtration Materials - 278
- Finishes - 573
- Fire Control, protection - 89, 320, 321, 507, 566
- Flight - 322
 - Mechanics - 22, 565
 - Propulsion - 333
 - Space - 18, 468, 473, 566
 - Test - 830
 - Vehicle Power - 333, 661
 - Vehicles - 735, 743A
- Fluid - 149, 477, 651, 712, 860, 886, 889
- Fluid Mechanics - 26, 462, 567
- Fluorine - 882
- Flutter & Vibration - 850, 895
- Food - 325, 566, 632, 710
 - Composition - 502, 530
 - Enzyme Additives - 479
 - Marine Sources - 512
 - Machinery - 499
 - Metabolism - 143
 - Neutrition - 256
 - Preservation - 566, 688
 - Waste - 143
- Foreign Science & Technology - General
 - Aerospace - 24, 36, 157, 271, 282, 328, 437, 441, 474, 495
 - Astronomy - 916
 - Biology - 436
 - Business, commerce - 329
 - Chemistry - 118, 192, 197, 346, 403, 407
 - Corrosion - 119, 346, 456, 587
 - Economy - 329
 - Electronic Devices - 287
 - Hypersonics - 370
 - Instrumentation - 107, 160, 209, 660
 - International - 439, 440
 - Iodine - 448
 - Mathematics - 423, 916
 - Microbiology - 440
 - Numerical Data - 478
 - Patents - 199, 404, 454, 615, 884

Foreign Science & Technology - General (Cont'd)

Physics - 423, 916

Polymers - 467

Translations - 92, 96, 399

Foreign Science & Technology - Countries

Austrian - 909

Australian - 414

Belgian - 119, 868

Caribbean - 425

Chinese, Communist - 493

Dutch - see "Netherlands"

East European - 438

English - 474, 537A, 711, 730, 876

Ceramics - 867

Glass - 475

Nuclear Science - 601, 731

Space Flight - 473

Titanium - 864

Translations - 495, 871

European - 307, 308, 309, 417, 501, 689, 848

French - 24, 271, 334, 725, 762

Biology - 458

Electronics - 163

Fuels & Lubricants - 431A

Hydrology - 477

Infrared - 482

Molybdenum - 411

Physics - 162, 458

Plastics - 407

Translations - 157, 162, 163, 186, 762

German - 101, 118, 282, 894, 916, 918

Corrosion - 587

Metals - 587

Nuclear Science - 600

Physics - 652, 916

Hungarian - 367

Indian - 402

Italian - 32, 404

Japanese - 454

Atomic Energy - 339

Mexican - 549

Netherlands - 332, 565, 586, 588, 848

Polish - 658

Scandinavian - 324

Soviet - 42, 137, 245, 560, 658, 677, 733, 744, 749, 777, 918

Atomic Energy - 465, 660

Atomsphere - 645

Automatic control - 107

Chemistry - 403, 467

Electronics - 287, 292, 294A

- Foreign Science & Technology - Countries (Cont'd)
 - Geophysics - 412
 - Instrumentation - 107, 660
 - Medicine - 371, 426
 - Metallurgy - 752
 - Physics - 651
 - Propulsion - 347
 - Translations - 137, 292, 403, 677, 778, 779, 780, 918
 - Swedish - 849
 - Metallurgy - 456
- Forestry - 327
- Fossil
 - Fuels - 345
 - Spores - 173
- French - see "Foreign - France"
- Fuels, lubricants - 26, 229, 345, 416, 527, 718, 776, 821, 831, 832, 886
 - Additives - 386B
 - Chemistry - 461, 487, 511
 - French - 431A
 - High Energy - 516
 - High Temperature - 310
 - Liquid Propellants - 492
- Fungi, Fungicides - 94, 316, 319, 490, 533, 569, 641, 663
- Fusion -
 - Heat of - 861
 - Visual - 897
- Gamma Ray Spectrum - 335
- Gas, Gaseous - 409, 651, 862
 - Chromatography - 336
 - Dynamics - 462
 - Electronics - 889
 - Kinetics - 862, 889
 - Lubricated Bearings - 141A, 337
- Genetics - 264, 306, 450, 589
- Geostrophysics - 60, 905
- Geodesy, Geodetics - 6, 209, 567, 704, 764
- Geography - 243, 382, 486, 566, 628
- Geohydrology - 819
- Geology - 55, 126A, 133, 177, 243, 340, 345, 346, 415, 425, 428, 682, 870
 - Caribbean - 425
 - Caves - 177
 - Polar - 428
 - Silicate - 415
- Geomagnetism - 209, 374
- Geomorphology - 375
- Geophysics - 17, 169, 206, 341, 342, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 412, 478, 521, 547, 566, 567, 651, 764, 870
- Geoscience - 345, 415

- Geriatrics - 179
- German, Germany - see "Foreign - German"
- Glaciology - 243, 342, 375, 428, 870
- Glass - 48, 330, 471, 475, 817
 - Fabrics - 330
- Glucose Oxidase - 316
- Government - 329, 349, 559, 681, 756, 825, 899
- Grants - 766
- Gravity - 209, 341, 342, 374, 851
- Grease - 116, 571
- Growth -
 - Human - 203
- Guidance - 442, 567, 782
 - Missile - 314A, 730
- Gynaecology - 8
- Hafnium - 234
- Halogen Compounds - 319
- Hazzards, radiation - 358, 795
- Health - 534, 535, 609, 685, 795, 881
- Hearing - 86A, 184, 253
- Heat Transfer - 71, 462, 706
- Heat Treating - 545A
- Helicopter - 89, 227
- Herbicidal Compounds - 193
- Hibernation - 359
- High Energy - 194, 516
 - Arcs - 516
 - Fuels - 516
 - Radiation Effects - 422
- High Ignition - 311
- High Polymer - 64
- High Temperature - 39, 134, 254, 360, 607
 - Alloys - 39
 - Hydrocarbons - 310
 - Lubricants - 712, 776
 - Refractory Metals - 254
- High Voltage, propulsion - 347
- Histology - 8, 9, 603
- Hoses - 732
- Human Engineering - 141, 223, 362, 363, 364, 365, 442, 453, 580, 738, 798, 802
- Human Growth - 179, 203
- Humidity - 260
- Hungarian - 367
- Hydraulic - 368, 712, 819, 889
- Hydrocarbons - 62, 69, 310
 - Sulfur - 62
- Hydrodynamics - 424, 462, 477, 651
 - Fluids - 477, 651
 - Magnetohydrodynamics - 82

Neurology - 177, 368, 477, 547, 629
 Hygiene - 6, 9, 427, 566, 685
 Hypersonics - 370

 Immunology - 8, 9, 383, 426, 603
 Index, Indexing - 52
 Indian - 402
 Industrial, Industry - 28, 103, 105, 199, 434, 429, 566
 War College - 174
 Inelastic, Electron - 104A
 Information, Storage & Retrieval, Systems, Documentation - 14, 161, 182,
 742, 750
 Infrared - 500
 Absorption - 69, 211, 585, 784, 785
 Radiation - 111, 418, 419, 706, 854
 Spectra - 62, 69, 211, 274, 420, 482, 585, 734, 784, 785, 789
 Ingots - 154
 Ink - 574
 Inorganic - 199, 346, 485A, 510, 566, 576, 585, 607, 643, 722
 High Temperature Fuels - 310
 Lithium - 59, 326
 Spectra of - 585, 785
 Thermodynamics - 755, 858
 X-Ray Diffraction - 912, 913
 Insert - 75, 257, 685
 Instrumentation, Instruments - 26, 89, 112, 166, 227, 273, 376, 427, 432,
 594, 605
 Foreign - 107, 160, 209, 660
 Radiation - 646, 889
 Nuclear - 166, 646
 Insulation - 423
 Intelligence - 36, 42, 634, 744, 749, 918
 Interfacial Angles - 110
 Interference - 41, 73, 286, 317, 435, 845
 Intermolecular - 799
 Internal Medicine - 8, 9
 International - see "Foreign"
 International Geophysical Year - 372, 373, 374, 375, 376, 377, 378, 379,
 380, 381, 382
 Interplanetary - 442, 473
 Inventions - 446, 447, 665, 666, 667, 668, 669, 670, 671
 Iodine - 448
 Ion -
 Exchange - 449
 Optics - 347
 Propulsion - 347
 Ionosphere, Ionospheric - 372, 380, 526, 645
 Iron - 58, 894
 Alloys - 39, 891
 Irradiation - 795
 Isotopes - 104, 609
 Italian - 404

Japanese - 339, 454
 Kinetics - 196, 607, 651, 862, 889
 Laboratory, Laboratories - 266, 406, 416, 664
 Latitude & Longitude - 377
 Lead - 481, 485A
 Leather - 710
 Library of Congress - 486
 Lichens - 153
 Life Science - 117, 240, 393, 684, 741, 798, 802
 Light - 111
 Light Aircraft - 227
 Light Metals - 2, 234, 489
 Linguistics - 219, 716
 Liquid -
 Metals - 562
 Propellants - 492
 Literature - 27, 489, 552
 Lithium - 59, 326
 Loads - 351
 Logic - 733
 Logistics - 581
 Longitude - 377
 Low Temperature
 Cryogenics - 860
 Lubricants, Lubrication - 26, 67, 116, 141A, 229, 337, 386B, 411, 416,
 431A, 513, 527, 571, 640, 712, 724, 776, 831, 832, 886
 see also "Fluid"
 Lunar - 579

 Machining, Machinability - 38, 546
 Maintenance Engineering - 506
 Magnesium - 504, 505
 Magnetic, Magnetism - 341, 342, 372, 374, 380, 646
 Magneto Fluid Dynamics, magnetohydrodynamics - 82, 462, 651
 Mammals - 148, 359, 463
 Management - 241, 673, 674
 Man-Machine - 89, 227, 803
 Manpower - 508
 Reports - 698
 Mapping & Charting - 25, 209, 369, 814
 Antarctica - 814
 Marine - 343, 369
 Fats & Oils - 571
 Mass Spectra - 52, 599, 720, 784
 Materials - 66, 134, 235, 304, 429, 457, 516, 517, 518, 519, 528, 566,
 567, 603A, 743A, 806, 873
 Electronic - 20, 56, 657, 724, 760, 774
 non-Metallic - 67, 280, 416, 786
 Mathematics - 285, 423, 516, 520, 521, 522, 523, 733, 753, 916

Mechanical Engineering - 835
 Mechanics - 16, 22, 82, 299, 462, 514, 527, 528, 565, 851
 Measurement Standards - 567A
 Medicine, Medical - 77, 124, 142B, 175, 218, 240, 256, 272, 296, 383,
 385, 386C, 460, 528, 529, 531, 532, 533, 566, 570, 625, 679, 686,
 709, 739, 747, 803A, 881, 911, 915
 Atomic Energy - 609
 Aviation - 109, 393, 684, 802, 810
 Disease - 257, 264, 426, 685
 Foreign - 8, 9, 371, 426, 440, 464, 798, 869
 Space/Aerospace - 29, 30, 31, 100, 139, 393, 566
 Membranes, Semi-permeable - 449
 Mental Health - 534, 535
 Metabolism - 270, 678A
 Metallurgy - 39, 54, 58, 93, 156, 164, 207, 213, 228, 409, 445, 485A,
 516, 521, 567, 819, 820, 821, 824, 835, 875, 885
 Foreign - 11, 159, 199, 346, 456, 537A, 587, 752, 894
 Propulsion - 822A
 Semi-conductor - 760
 Thermodynamics - 754, 853, 857
 Metals, casting, finishing, electroplating, etc. - 2, 50, 53, 54, 65, 68,
 93, 120, 134, 231, 234, 254, 338, 469, 537, 545, 546, 562, 672, 786,
 797, 907
 Patents - 234, 489, 543, 596, 757
 Meteorites - 764
 Meteorology - 60, 206, 375, 378, 379, 425, 507, 521, 547, 567A, 577, 629,
 644, 721, 737, 743A, 874, 905
 Mexican - 549
 Mica - 156
 Mice - 910
 Microbiology - 9, 143, 426, 440, 464, 550, 555, 663, 675, 688, 717, 833
 Microchemistry - 551
 Micrometeorites - 764
 Microorganism - 641
 Microphone - 737
 Micro-photography - 52
 Microscopy - 603
 Microseisms - 893
 Microwave - 259, 314A, 317
 Military - 31, 37, 848
 Minerals - 247, 345, 346, 415, 433, 912
 Mining - 208
 Missile - 26, 33, 34, 111, 134, 151, 444, 567, 582, 904, 907
 Guidance - 314A, 730
 Molecular-
 Spectroscopy - 274
 Structure - 386
 Molybdenum - 207, 234, 411
 Momentum - 599
 Monomers - 838
 Moon - 503

Moss - 153
 Multiplet Table - 102
 Mycology - 94, 316, 319, 490, 491, 533, 569, 641, 663

 Natural Flight - 322
 Natural History - 628
 Nautical, safety - 369
 Naval - 72A, 134, 135, 165, 238, 251, 309, 388, 390, 391, 398, 496, 498,
 507, 581, 584, 598, 708, 803A, 808, 842
 Navigation - 314A, 567, 579
 Netherlands - see "Foreign - Netherlands"
 Neurology - 8, 9, 589
 Neutron -
 Acceleration - 361
 Cross Sections - 480, 591, 592, 607
 Nickel - 39, 596, 885, 891
 Nitrofurantoin - 597
 Nitrogen Compounds - 63
 Noise, electronic - 129, 526
 Non-Ferrous Metals - 50, 159, 672
 Non-Metallics - 67, 280, 416, 571, 654, 732
 North - 152
 Nuclear - 15, 62, 166, 299, 335, 346, 361, 378, 465, 527, 596, 598, 599,
 600, 601, 602, 607, 609, 646, 702, 703, 709, 724, 731, 805, 868, 876,
 909
 Energy, engineering - 77A, 609
 Nuclides - 335
 Numerical, analysis, data - 69, 478, 585, 599, 643, 733, 735, 754, 755,
 784, 785, 789, 799, 858, 860, 861
 Nutrition - 256, 426, 512, 641, 710

 Ocean, Oceanography - 55, 84, 114, 134, 209, 243, 369, 379, 507, 521,
 547, 572, 874
 Ocular - 897
 Odorant, warning - 168
 Oil Seals - 822
 Olefins - 880
 Olfactory, warning - 168
 Operations - 37, 507, 616, 617, 618, 714, 783
 Ophthalmology - 9, 10, 45, 472, 589
 Optics, Optical, Optometry - 57, 110, 111, 142C, 347, 419, 472, 475, 644,
 725
 Oral - 619, 620
 Orbital, environment - 305
 Ordnance - 61, 613, 621, 668
 Organic - 181, 199, 310, 461, 510, 530, 576, 585, 623, 624, 625, 635,
 641, 678A, 722, 734, 755, 785, 789, 799, 811, 880, 912, 913
 Ornithopter - 322
 Otolaryngology - 9, 45
 Otology - 589
 Organometallics - 536

Pacific Area - 566
 Packaging - 330
 Paint - 485A, 573
 Paleontology - 177, 340, 345, 463, 525
 Paper - 476, 817
 Parasitology - 385
 Particle Acceleration - 361
 Patents - 404, 446, 454, 615, 630, 631, 634, 635, 636, 730, 745, 846
 Ceramic Coatings - 297, 631
 Chemistry - 198, 199, 200, 461, 632, 687, 833, 884
 Electronics - 294, 295, 883
 Enamel - 297
 Films & Fibers - 633
 Food - 632
 Foreign - 199, 404, 454, 615, 884
 Fuels, Lubricants - 386B
 Intelligence - 634
 Iodine - 448
 Medical - 531
 Metals - 234, 489, 543, 596, 757
 Nickel - 596
 Nuclear - 104, 600, 609
 Petroleum - 640, 831
 Photography - 557
 Plastics, Polymers - 633, 636, 656, 657
 Propulsion - 333
 Rare Earths - 234
 Rocket - 728
 Rubber - 136, 731
 Selenium - 757
 Semi-Conductors - 760
 Tellurium - 757
 Pathology - 9, 272, 566, 620
 Pectin - 214
 Perception - 563, 738
 Peridontia - 620
 Permanganates - 638
 Personnel - 7, 566
 PERT - 673
 Pesticide - 296, 325
 Petroleum - 62, 63, 345, 416, 487, 640, 718, 829, 831, 832, 886
 Pharmaceutical - 205, 240, 272, 281, 499, 533, 632, 641, 642, 678A,
 717, 833, 911
 Pharmacology - 172, 429, 678A
 Phase Equilibria - 643
 Phenolic Compounds - 319
 Phosphorous - 635
 Photoduplication - 486
 Photoelectric - 661
 Photography - 52, 80, 486, 503, 557

Photoionization - 104A
 Photo-interpretation - 647
 Physical Chemistry - 78, 242, 244, 255, 344, 346, 350, 357, 429, 458, 566, 721, 741
 Physical Data, properties, etc. - 62, 190, 213, 228, 230, 247, 567A, 720
 Physicochemical - 510
 Physics - 64, 104A, 162, 263, 354, 360, 361, 380, 420, 423, 458, 521, 531, 557, 567, 648, 649, 651, 652, 777, 820, 916
 Physiology - 270, 408, 463, 679, 747, 833
 Phytovirology - 653
 Pigments - 574, 838
 Planets - 503, 553
 Plants - 171, 173, 502, 560, 561, 653
 Plasma - 516, 566, 651
 Plastics - 155, 262, 280, 325, 407, 409, 475, 476, 527, 556, 633, 636, 654, 655, 656, 657, 723, 724, 731, 768, 817, 832
 Plating - 536, 545A, 891
 Polar - 341, 342, 428, 566, 870
 Polish - 658
 Pollen - 173
 Pollution - 427, 566, 685, 686, 819, 841
 Polymers - 64, 280, 409, 467, 633, 636, 656, 657, 722, 723, 724, 731, 822, 838
 Porcelain - 659
 Post Attack Planning - 578
 Powder Diffraction, metallurgy - 538, 539, 786, 882, 912, 913
 Powder, solid propellant - 772
 Power - 333, 347, 527, 661, 709, 822A
 Preservation, food - 566, 688
 Pressure vessels - 907
 Probabilities - 524
 Production - 673, 674, 904
 Programming - 14, 219, 221, 222 733
 Propellants - 134, 194, 244, 487, 492, 516, 567, 772, 855, 882
 Propeller - 26, 35, 730
 Properties - 66, 190, 213, 247, 478, 511, 754, 755, 857, 862
 Thermal, Thermophysical - 62, 429, 607, 829, 853, 854, 860, 861, 862
 Thermodynamic - 62, 754, 755, 857, 858
 Propulsion - 333, 347, 567, 727, 781, 822A
 Prosthetics - 566
 Protection, protective - 254, 320, 321, 419, 516, 566, 707, 724
 Protein - 143, 512
 Proving Ground - 390
 Psychiatry - 678A
 Psychology - 79, 240, 344, 408, 678, 678A, 679
 Psycho-pharmacology - 172, 429, 678A
 Psychophysics - 563
 Psychosomatic medicine - 679
 Public Health - 881
 Pure and Applied Chemistry - 197, 199, 461, 566

- Quartz - 1, 566, 669
- Radar - 286, 314A
- Radiation - 111, 258, 286, 361, 380, 693, 695, 776, 889
 - Biology - 566, 694
 - Cosmic - 373
 - Damage, 361, 422, 688, 805
 - Effects - 422, 693, 694
 - Hazards - 358, 795
 - Infrared - 111, 418, 419, 706, 854
 - Instrumentation - 646, 889
 - Nuclear - 702
 - Surveillance - 111
 - Van Allen - 372, 645
 - Waste Disposal - 566
- Radio - 13, 41, 73, 111, 129, 314A, 567A, 612, 845
- Radioactive (ity) - 335, 341, 342, 691, 695
- Radioastronomy - 547
- Radiobiology - 258, 361
- Radiography - 80, 767
- Radioisotopes - 361, 795
- Radiology, Radiological - 9, 398, 566, 691, 795
- Raman Spectra - 62
- RAND - 392
- Rare Chemicals - 576
- Rare Earths - 234, 882
- Rare Elements - 120
- Rare Metals - 144, 344
- Rays, cosmic - 373
- RCA - 395
- R&D - see "Research and Development"
- Reactions - 196
 - Nuclear - 599
- Reactor - 104, 609, 702, 703, 743A, 909
 - Controls - 701A
 - Coolant - 562
 - Materials - 603A, 702
- Rectifiers - 259
- Reference Services - 486, 740
- Reflection - 854
- Refractories, Refractory - 48, 156, 234
 - Metals, Metallurgy - 234, 254, 516, 824, 885
- Refrigeration - 707
- Reliability - 290, 442, 444
- Research and Development - 97, 251, 548, 578, 666, 667, 668, 669, 670, 671, 791, 792, 888, 899
 - Army - 90, 298, 665, 717A, 793
 - Basic - 113, 604, 676
 - Communication of Information - 742
 - Contracts - 227A, 318, 676, 697
 - Equipment - 85, 266, 406, 416, 664

Research and Development (Cont'd)

European - 307, 308, 309, 417, 501, 689, 848
Grants - 766
Information - 715
Laboratories - 266, 406, 416, 664
Reports - 72A, 176, 252, 277, 349, 395, 559, 595, 636, 681, 690, 699,
701, 708, 713, 739A, 756, 800, 825, 839, 842, 844, 848, 877
Resins - 635, 723
Resonance Spectra - 62
Rheology - 574
Rockets - 26, 33, 34, 91, 380, 419, 468, 500, 727, 728, 743A, 772, 821,
Rotating Wing - 26
Rubber - 136, 280, 476, 527, 723, 724, 731, 732, 821, 832
Tubing - 732
Rust - 144

Safety -

Atomic Energy - 609
Nautical - 369
Sandwich - 330, 541, 736
Sanitary, Sanitation - 566, 685, 819, 881
Satellite - 15, 33, 100, 380, 503, 567, 764
Photography - 503
Scandinavian - 324
Scatter - 73, 612, 845
Science, Scientific, technology, etc. - 1, 16, 72, 77A, 82, 87, 97, 115,
117, 176, 255, 283, 352, 386A, 485, 491, 494, 552, 595, 595A, 680,
740, 741, 742, 743, 746, 750, 765, 813
Applied - 3, 83, 302
Earth - 84, 243, 341, 342, 521, 649
Foreign - 42, 186, 332, 439, 454, 566, 586, 658, 744, 749, 849, 918
National Academy - 566
Social - 628, 729
Scientists - 566, 575
Sealing - 822
Secondary Power - 822A
Seismology - 209, 341, 342, 374, 893
Selenium - 144, 757
Self Organizing Systems - 716
Semiconductors - 259, 287, 314A, 646, 758, 759, 760, 761, 786
Carbon - 786
Materials - 760
Semipermeable Membranes - 449
Sensory - 610
Serology - 8, 603
Shielding
Radiation - 693
Materials - 603A
Shock & Vibration - 396
Shock Waves - 16
Sight - 86B

- Signal Corps - 670
- Silicates - 415, 475
- Silicones - 181, 280, 415
- Silviculture - 327
- Slowdown Constants - 703
- Smallpox - 892
- Social Sciences - 628, 679, 729, 738
- Soils - 327, 428, 769
 - Polar - 428
- Solar - 260, 381, 526, 527, 579, 764, 770, 771, 832
 - Activity - 381, 526, 579
 - Energy - 527, 770, 771, 832
- Soldering - 68
- Solid Propellant - 516, 772, 882
- Solid State - 64, 134, 419, 567, 568, 724, 773, 786
 - Electronics - 773
 - Materials - 724
- Sound - 737, 879
- Soviet - see "Foreign - Soviet"
- Space Flight - 18, 468, 473, 566
- Space Medicine - 29, 30, 31, 100, 139, 393, 566
- Space Science - 15, 26, 34, 100, 151, 242, 305, 389, 425, 442, 444, 484, 500, 566, 567, 740, 782, 804
 - Environment - 305
 - Guidance - 442, 782
- Special Weapons - 903
- Specifications - 268, 302
- Spectra, Spectrum, Spectrometer, Spectroscopy - 57, 62, 63, 102, 142C, 274, 286, 335, 397, 420, 482, 599, 724, 735, 784, 785, 789
 - Infrared - 62, 69, 211, 274, 420, 482, 585, 735, 784, 785, 789
 - Mass - 62, 599, 720, 784
 - Molecular - 274
 - Raman - 62
 - Resonance - 62
 - Ultraviolet - 62, 624, 720, 784, 789
- Speech - 184, 253
- Speleology - 177
- Spores, fossil - 173
- Standards - 62, 215, 302, 567A, 718, 735, 787, 788
 - Drugs - 281
 - Ophthalmic - 472
 - Petroleum - 718
- Stars - 279, 323
- State-of-the-Art - 790
- Statics - 178
- Statistics - 524, 753
 - Reports - 696
- Steel - 58, 469, 885, 894, 907
 - Castings - 469
 - Welding - 907

Stereopsis - 897
 Steroids - 794
 Storage & Retrieval - 14, 52, 716
 Strain - 705, 796
 Strength, metals - 797
 Stress - 204, 351, 514, 705, 796, 797, 895, 901
 Human - 798
 Structure - 26, 386, 516, 657, 799
 Subarctic - 152
 Sublimation - 861
 Submarine - 227, 803
 Sulfur Hydrocarbons - 62
 Suppression, interference - 317
 Surface Chemistry - 574
 Surface Vessel - 807
 Surfactants - 838
 Surgery - 466, 620
 Surveillance - 15, 111
 Surveying, geodetic - 209
 Survival - 507
 Symposia, basic research - 604
 Synthesis, organic - 811
 Synthetic - 654
 Systems - 28, 61, 89, 107, 112, 191, 217, 276, 314A, 424, 743A, 803, 904

 Tantalum - 144, 824
 Taxonomy -
 Mammals - 148, 463
 Plants - 171, 173
 Teaching Machines - 106
 Technical, Technology - 1, 16, 24, 82, 87, 97, 500, 595A, 609
 Applied - 3, 83, 302, 386A
 Boards, committees - 267, 566
 Books, reports - 1, 115, 176, 268, 680, 681, 816
 Foreign - 36, 42, 324, 328, 441, 454, 549, 586, 658, 744, 749, 849, 918
 "Forum" - 584
 Vacuum - 824, 889
 Technicians - 575
 Tectonophysics - 341
 Telemetry - 828
 Telephone - 13, 314A
 Television - 314A
 Tellurium - 757
 Temperature - 260
 Tension, mechanical - 851
 Test, Testing - 66, 727, 767, 768, 801, 830
 Atomic - 609
 Textiles - 46, 47, 344, 355, 430, 476, 633, 719, 724, 775, 852, 896
 Therapy, Therapeutic - 150, 170, 255

- Thermal - 862
 - Factors, environment - 566
 - Properties - 853, 854
 - Protection - 254, 419
- Thermionic - 661
- Thermochemical - 855, 859
- Thermodynamic - 158, 164, 487, 514, 607, 720, 781, 856, 889
 - Properties - 62, 754, 755, 857, 858
- Thermoelectricity - 661
- Thermophysical, properties - 62, 429, 607, 829, 860, 861, 862
- Theses - 515, 800
- Timber - 331
- Tin - 536, 863
- Titanium - 144, 234, 254, 485A, 489, 818, 864
- Topography, antarctica - 814
- Torque - 801, 851
- Toxicity - 88, 533, 678A
- Toxicology - 88, 270, 427, 866
- Transducers - 166, 614
- Transistors - 259
- Translations - 36, 42, 92, 96, 224, 271, 301, 328, 399, 457, 543, 611, 847, 865, 868, 869, 870, 872
 - Australian - 414
 - Chinese (Communist) - 493
 - Dutch - 588
 - East European - 438
 - English - 495, 871
 - French - 157, 162, 163, 186, 762
 - German - 918
 - Indian - 402
 - Italian - 404
 - Japanese - 454
 - Scandinavian - 324
 - Soviet - 137, 292, 403, 677, 778, 779, 780, 918
- Transmission, radio - 73, 612, 845
- Transparent Materials - 873
- Transportation - 631, 671
- Tubes, electronic - 19, 20, 21, 287, 812
- Tubing, rubber - 732
- Tungsten - 144, 875

- Ultra-energy Propellants - 194
- Ultrasonic - 767
 - Welding - 108
- Ultraviolet - 111
 - Spectra - 62, 624, 720, 784, 789
- Undersea Warfare - 878
- Underwater - 4, 879
 - Acoustics - 583, 646
 - Explosions - 4
 - Warfare - 878

- Vacuum
 - Technology - 824, 889
 - Tubes - 19, 21
- Valves - 149
- Vanadium - 234, 890
- Van Allen, radiation - 372, 645
- Varnish - 573
- Vehicles - 100
- Vegetable Oil, cottonseed - 232
- Venereology - 9
- Vibration - 396, 850, 895
- VINITI - 42
- Vinyl Fabrics - 896
- Virus - 603, 653
 - Variola - 892
- Viscosity - 862
- Visible Light - 111
- Vision - 10, 86B, 472, 897
 - Effects of Radiation on - 422
- Volcanology - 341, 342
- War College - 174
- Warfare -
 - Biological - 88, 383, 582
 - Chemical - 88, 582, 843
 - Underwater - 878
- Warning - 168
- Waste Disposal - 143, 566, 902
- Water - 769, 900, 901, 902
- Wave -
 - Motion - 462, 893
 - Propagation - 73, 612, 845
- Weapons -
 - Atomic - 609, 903
 - Systems - 61, 743A, 904
- Weather - 60, 521, 905
 - Modification - 906
- Welding - 38, 68, 108, 409, 907
- Wood, technology, processing - 331
- X-Ray - 189, 236, 237, 607, 767, 784, 912, 913
- Zinc - 50, 481, 485A
- Zirconium - 234, 536, 919
- Zoology - 385, 570

BIBLIOGRAPHY

Day, Melvin S. Utilization of Atomic Energy Scientific and Technical Information, AEC, Wash DC, Jun 1-5, 59.

Symposium on Peaceful Applications of Nuclear Energy, Buenos Aires, Argentina.

Feeley, J. M., Lt Col. Staff Study, ASTIA, Arlington, Va., 17 Mar 60

Recommended action to alleviate overlapping and duplication of technical information activities within the DOD.

Hargrave, Charles W. Subject Headings, AEC, Wash DC, 3rd Revised Edition, Jan 60, TID-5001.

Reflect terminology associated with nuclear science and technology and are the authority used by the Technical Information Service (AEC) in its centralized cataloging and bibliographic programs, including the preparation of subject indexes for Nuclear Science Abstracts.

Kent, Allen. Nonconventional Retrieval Systems in Documentation Preliminary Comparative Analysis. Western Reserve University - Pennsylvania State University, 24 Jun 58. ASTIA Report AD 158396.

104 nonconventional information retrieval systems are analyzed with regard to number of basic characteristics in order to discern those features that these systems have in common and those features by which they differ.

Riley, M. W. The Materials Information Problem. Materials in Design Engineering 52. Sept 60, p 167-174.

Taube, Mortimer. An Evaluation of "Use Studies" of Scientific Information. AFOSR TN58-1050, Wash DC. Dec 58. ASTIA Report AD 206987.

Evaluation of total existing literature of use studies. Attempts to analyze reasons for generally accepted failure of use studies by establishing a distinction between consumer services and professional services.

Taube, Mortimer. Documentation Incorporated. AFOSR TN60-8, Wash DC. Dec 59.

Describes combined data processing and information retrieval system designed to handle changing store of information concerning a research and development contract program.

Wheat, James. US Department of Commerce (Office of Technical Services), Wash DC. OTS 59-236. List of OTS Selective Bibliography.

Winter, K. A. and Lopatin, Irving. Materials Information Centers. McGraw Hill Book Co., N.Y. Oct 60, by: Ohio State University Research Foundation under direction of WADD. WADD Tech Note 60-246.

Lists those information centers concerned with materials. Provides interested personnel of DOD, its contractors, and materials suppliers with means of locating and obtaining information pertinent to their specific area of interest.

Air Force Ballistic Missile and Space Vehicle - Prime Contracts. AFEMD, Los Angeles, Calif. Apr 61.

Active contracts, physically completed or dormant contracts.

Annual Report - National Academy of Sciences. National Science Foundation-National Research Council, Wash DC. Mar 60. GPO.

Annual report covering period 58-59 FY of the National Academy of Sciences.

Annual Report of the Library of Congress. Library of Congress, Wash DC. 1960.
Report of Library of Congress for FY ending 30 Jun 59.

Availability of Information from Federal Departments and Agencies. US Senate, Wash DC. 2d Session, 86th Congress, 2 Jul 60.

2 major parts: a 5-year summary of the subcommittee's investigations of restrictions on information from the executive branch of Federal Government, and report of progress of investigation during period Aug 59 thru Jul 60.

Bulletin of the Medical Library Association. National Library of Medicine, Wash DC. Jan 61. Volume 49, No. 1, Part 2 of 2 parts.

Index Mechanization Project.

Business Data Systems. Martin Co., Orlando, Fla. Oct 6-7 1960.

Background history of Martin Co., Orlando, information system. The memo's of the various planning meetings, flow charts, etc., of the system are included.

Contractor Reports Exhibit. AFBMD, Hq ARDC. AFBMD Exhibit 58-1, 1 Jan 59.

Exhibit is consistent with total ARDC Contractor Report requirements and contains, as amended from time to time, the total AF coordinated requirements for reports on the ballistic missiles or related programs. Other AF ballistic missile exhibits, specifications, standards and bulletins are listed for your information in section 6, therefore, this exhibit is a master of data requirements.

Coordination of Federal Agencies' Programs in Biomedical Research and in Other Scientific Areas. US Senate, Wash DC. Report 142, 1st Session, 87th Congress, 30 Mar 61.

Report on international health study.

Current Research and Development in Scientific Documentation. National Science Foundation, Wash DC. NSF 60-65, No. 7, Nov 60.

Descriptive reports on current research and development in scientific documentation.

Data Available in Comptroller Files. Stat Services, Hq ARDC, Wash DC. Aug 59.

A listing of Statistical reports prepared by Comptroller office, ARDC.

Directory of Continuing Numerical Data Projects. Office of Critical Tables, National Academy of Sciences-National Research Council Report #837, 1961.

Directory of projects that compile and publish the numerical data of science and technology on a continuing basis.

Directory of Independent Commercial Laboratories Performing Research and Development. National Science Foundation, Wash DC. NSF 57-40. 1957.

Lists 565 independent commercial laboratories performing research and development in the natural sciences.

Directory of non-ARDC Technical Boards and Committees. Hq ARDC, Wash DC.

1 Jan 60.

Contains names and indicates Hq ARDC or center address of personnel of ARDC who are members of various non-ARDC Technical Boards and Committees.

Documentation, Indexing, and Retrieval of Scientific Information. US Senate Document 113, 86th Congress, Wash DC. (Addendum Document No. 15).

A study of Federal and non-Federal Science Information Processing and Retrieval Programs.

Facts - About the National Inventors Council. US Department of Commerce (OTS), Wash DC.

Contains answers to questions asked most frequently about the Council and describes ways in which inventors can be of greatest help to their own nation. Council is civilian agency of Government charged with task of bringing to the attention of the military any inventive idea of potential value to national defense.

Guide to U.S. Indexing and Abstracting Services in Science and Technology.

Library of Congress, Wash DC. Report 101, Jun 60.

Compilation of abstracting, indexing, and title-announcement services originating in the US covering fields of science and technology.

Handbook, Contractor Program Progress Reporting. Hq AMC-Hq ARDC: W-PAFB, Ohio and Andrews AFB, Wash DC. AMCM 70-5 and ARDCM 70-1, 8 Dec 60.

This handbook has been jointly developed to provide an effective reporting system. The data will be used by both the contractor and the Air Force to evaluate progress being made on development and/or production programs.

List of Recurring Reports. Hq AFSC, Wash DC. RCS: SC 4-99, 30 Apr 61

List of recurring RCS reports prepared by Directorate of Data Systems and Statistics, Hq AFSC.

List of Selective Bibliographies. US Department of Commerce, Office of Technical Services, Wash DC.

Materials Information Centers. WADD, W-PAFB, Ohio. WADD Tech Note 58-192, Sep 58. Project 7381.

More than 100 information centers reported. These centers are engaged in collecting and disseminating information on a variety of materials and hardware.

Mechanized Searching of Phosphorus Compounds. US Department of Commerce, Patent Office, Wash DC. 3 Jan 61.

Random Access Mechanization of Phosphorus Compounds (RAMP). A punched card system for phosphorus compounds (CAMP).

Nonconventional Technical Information Systems in Current Use. No. 2. National Science Foundation, Wash DC. Sep 59, NSF 59-49.

Descriptions of technical information systems currently in operation which embody new principles for the organization of subject matter or employ automatic equipment for storage and search.

Nonconventional Technical Information Systems in Current Use (Supplement to). National Science Foundation, Wash DC. NSF 60-14, No. 2, Mar 60.

Supplement to second publication in series of title above. Consists of descriptions of technical information systems currently in operation which embody new principles for the organization of subject matter or employ automatic equipment for storage and search.

Numerical and Functional Indexes of ARDC Forms. Hq ARDC, Wash DC. 23 Jan 61 ARDC Reg 0-9.

Provides numerical and functional indexes of ARDC Forms to help personnel identify forms by number and function and to aid in eliminating duplicative and overlapping forms.

Organization of the Federal Government for Scientific Activities. National Science Foundation, Wash DC. NSF 56-17.

Provides information concerning Federal organization for scientific activities. Covers organization for basic, applied, and developmental research and for scientific data collection in physical, life, and social sciences.

Private Research and Development Organizations in the Washington Metropolitan Area. Washington Board of Trade, Wash DC. 1st Edition, Jun 59.

Basic and applied research in physical, engineering, agricultural, and biological sciences and design and development of prototypes and processes, performed by business firms and non-profit foundations and associates in DC area.

Program Evaluation Research Task. Special Projects Office, Bureau of Naval Weapons, U.S. Navy, Wash DC.

Report summarizes work and results of PERT. Project began 27 Jan 58 with purpose of studying the application of statistical and mathematical methods to the planning, evaluation, and control of program of Navy Special Projects Office. Project team includes S.P.O., Booz, Allen & Hamilton, and Lockheed Missile Systems Division.

Publications of the National Academy of Sciences-National Research Council. Spring 60.

Quarterly Report of AFRD Planned Symposia. AFRD, Wash DC. RCS: ARDC-R27, 11 Jan 61.

Provides information on: Title of Symposia; classification; sponsor and participants; date; place; number of invitees; cost to Air Force.

Report on Dissemination of Technological Information About Materials and Materials Research. National Academy of Sciences-National Research Council, Wash DC. Materials Advisory Board report MAB 160-M.

Report on study of problems of disseminating information on materials science and technology as they relate to the research and engineering programs of the DOD.

Research Program Contractor Reporting Requirements. Hq ARDC, Wash DC. ARDC Contractor Reports Exhibit 60-1.

Exhibit serves as catalog of non-technical reports which have been cleared by BOB and which are essential for the management responsibilities of ARDC Project Officer and ARDC Contracting Officer.

Scientific Information Activities of Federal Agencies

Federal Communications Commission. National Science Foundation, Wash DC.

May 61. No. 9, NSF 61-12.

Provides information on FCC's research mission and function, general subject fields on which scientific information is prepared; types of publications; how to obtain documents or services available; etc.

National Science Foundation. National Science Foundation, Wash DC. Oct 60.

No. 6, NSF 60-56.

Outlines primary mission and functions of National Science Foundation, which are: promotion of basic research in the sciences; promotion of education and training in the sciences; appraisal of national research and development effort and resources; and promotion of effective dissemination of scientific information.

Office of Naval Research. National Science Foundation, Wash DC. May 59.

No. 2, NSF 59-19.

General subjectfields in which scientific reports are prepared; form in which scientific information is issued; policies regarding announcement of availability of these reports; locations, functions, and policies of agencies' libraries, information centers, and field offices; other aspects of interest to scientific community.

Tennessee Valley Authority. National Science Foundation, Wash DC. Aug 60.

No. 5, NSF 60-44.

Contains research and documentation references of the Authority along with periodical reports.

US Department of Agriculture. National Science Foundation, Wash DC. Oct 58.

No. 1, NSF 58-27.

Certain general information about USDA as a whole and on following four agencies of USDA: Agricultural Research Service, Forest Service, Agricultural Marketing Service, and Farmer Cooperative Service.

US Department of Commerce, Part I. National Science Foundation, Wash DC.

Nov 59. No. 3, NSF 59-58.

Contains general information about Department and detailed information about Office of Technical Services; Bureau of Census, Public Roads and Patent Office.

US Department of Commerce, Part II. National Science Foundation, Wash DC.

Oct 60. No. 7, NSF 60-58.

Contains detailed information about Weather Bureau, Coast and Geodetic Survey, Maritime Administration, Business and Defense Services Administration, Office of Business Economics, and Bureau of Foreign Commerce.

US Department of Commerce, Part III.- National Bureau of Standards. National Science Foundation, Wash DC. Oct 60. No. 8, NSF 60-59.

Contains different publications and technical information sources of the Bureau both in Washington, DC, and Boulder, Colorado. Includes both R&D and standardization work of the Bureau.

US Government Printing Office. National Science Foundation, Wash DC. Mar 60.
No. 1, NSF 60-9.

Covers information on R&D activities of the Printing Office including their listings of other government publications.

Scientific Information Notes. National Science Foundation, Wash DC. Volume 2, No. 3. Jun-Jul 60; Volume 2, No. 5. Oct-Nov 60; Volume 3, No. 1. Feb-Mar 61. Reporting national and international developments in scientific and technical dissemination.

Standard Distribution Lists. Atomic Energy Commission (O.T.S.), Wash DC. Dec 60. TID-4500(16ED).

Provides for effective distribution of unclassified AEC R&D reports. Lists organizations permitted to receive such reports on an official basis. Category scope notes which enable proper categorization of reports to be made and approved distribution lists for each category.

Study of Scientific and Technical Manpower. US Senate, Wash DC. Jan 4, 1960. GPO.

A comprehensive report covering the status of scientific and technical manpower register and scientific manpower studies; and projected plans for future, short range and long range, in these areas.

Technical Books. Atomic Energy Commission (O.T.S.), Wash DC. Part I (1947-59).

Lists and describes 86 technical books published by AEC since 1947, and 26 volumes in press or in preparation as of 1 Apr 59.

Technical Information Services. Atomic Energy Commission, Wash DC. TID-485 (3d Rev) Dec 59. TID-485 (3d Rev) Mar 60.

Contain technical information programs, products, and services of AEC. Primarily to serve as guide for AEC contractors and AEC staff charged with technical information responsibilities.

Technical Reports - Newsletter. US Department of Commerce (O.T.S.), Wash DC. No. 138, Dec 60.

What's Available in the Atomic Energy Literature. Atomic Energy Commission (TIS), Wash DC. TID-4550 (6th Rev) Mar 60.

Publication explains what unclassified atomic energy research information is available, how to locate and use this information, and how this information may be obtained.

HQ, OAR DISTRIBUTION LIST

No. Cys. Organization

Hq, OAR, Tempo D, Wash 25, DC

1	RRO - DCS/Plans & Operations, Col Ebbeler
1	RROO - Dir. of Operations, Col Streeton
1	RROO - Test Operations Div., Lt Col Kimbrel
1	RROO - Space Probes Div., Lt Col Williams
1	RROS - Dir. of Sciences, Lt Col Fava
1	RROS-1 - Technical Information Officer, Capt Thompson
1	RROSA - Aeronautical Sciences Div.
1	RROSE - Life Sciences Div., Lt Col Howard
1	RROSE - Electronics Div., Lt Col Lyness
1	RROSG - Geophysics Div., Maj Brennan
1	RROSM - Materials Div., Lt Col Gessner
1	RRON - Dir. of Plans, Col Ellis
25	RRONY - Analysis Div., Lt Col Ashley
1	RRONA - Aeromechanics Div., Maj Scolatti
1	RRONE - Electronics Div.
1	RRONG - Geophysics Div., Maj Downie
1	RRONL - Life Sciences Div., Maj Cannon
1	RRONM - Materials Div., Maj Dick
1	RRONN - Nuclear Div., Maj Munyon
1	RRONP - Propulsion Div., Lt Col Goodwin
1	RROM - Directorate of Manpower & Organization, Mr Klein

OSR, Tempo D, Wash 25, DC

1	SRH - Dir. of Aerospace Sciences, Dr Kaplan
1	SRQ - Dir. of Chemical Sciences, Dr Horney
1	SRU - Dir. of Life Sciences, Dr Savely
1	SRM - Dir. of Mathematical Sciences, Dr Andrew
2	SRM1 - Information Sciences, Dr Wooster, Mrs Swanson
1	SRY - Dir. of Physical Sciences, Dr Wood
3	SRGL - Tech Library, Mr Hetrick
OSR, Dir. of Research Analysis, Holloman AFB, NMex	
1	SRL - Dir. of Research Analysis, Lt Col Gephart

CRL, L G Hanscom Fld., Bedford, Mass.

1	CRR - Electronics Research Div., Mr Barrett
1	CRRE - Research Information Div.
3	CRREL - Scientific Library Branch
1	CRRF - Instrumentation & General Engineering Lab.
1	CRRS - Communication Sciences Lab.
1	CRRK - Propagation Sciences Lab.
1	CRRB - Computer & Mathematical Sciences Lab.
1	CRRI - Astrosurveillance Sciences Lab.
1	CRRC - Electronic Material Sciences Lab.

HQ, OAR Distribution List
CRL, L G Hanscom Fld., Bedford, Mass. (Cont'd)

<u>No. Cys.</u>	<u>Organization</u>
1	CRRD - Electromagnetic Radiation Lab.
1	CRRZ - Control Sciences Lab.
1	CRZ - Geophysics Research Directorate
1	CRZP - Aerophysics Lab.
1	CRZA - Photochemistry Lab.
1	CRZF - Atmospheric Circulations Lab.
1	CRZI - Ionospheric Physics Lab.
1	CRZC - Thermal Radiation Lab.
1	CRZE - Research Instrumentation Lab.
1	CRZG - Terrestrial Sciences Lab.
1	CRZW - Meteorological Development Lab.

ARL, Wright-Patterson AFB, Ohio

1	RRLC - Chemistry Research Lab.
1	RRLD - Fluid Dynamic Research Lab.
1	RRLG - General Physics Research Lab.
1	RRLH - Plasma Physics Research Lab.
1	RRLI - Metallurgy & Ceramics Research Lab.
1	RRLM - Applied Mathematical Research Lab.
1	RRLN - Mechanics Research Lab.
1	RRLX - Solid State Physics Research Lab.

HQ, AFSC, Andrews AFB, Wash 25, DC

1	SCMT - Asst. for Technical Services, Lt Col Foster
1	SCFAO - Aerospace Division, Lt Col Loehr
1	SCFAE - Electronics Div., Lt Col Swanson
1	SCT - DCS/R&E, Col Butman
1	SCTA - Dir. of Research, Mr Feik
1	SCTD - Dir. of Advanced Development, Col Burger
1	SCTL - Dir. of Scientific Liaison, Lt Col Babits
1	SCAXT - Technical Reports, Mr McCabe
1	SCCBB - RDT&E & Missile Div., Mr Conner
3	SCAXL - Library

AFFTC, Edwards AFB, Calif.

1	FTAT - Technical Publications Div.
1	FTFO - Flight Test Operations Div.
1	FTFT - Technical Director
1	FTGT - Technical Director
3	FTOOT - Technical Information Branch

AEDC, Arnold AF Stn., Tenn.

1	AEGT - Technical Director
1	AEX - Aerospace Environments Div.

HQ, OAR Distribution List
 AEDC, Arnold AF Stn., Tenn. (Cont'd)

<u>No. Cys.</u>	<u>Organization</u>
1	AEOE - AF Rep., RTF
1	AEOG - AF Rep., VKF
1	AEOW - AF Rep., PWT
3	AEOI - Technical Information & Intelligence Div.
1	AEOR - Research Div.
1	AEOT - Technical Requirement Div.

APGC, Eglin AFB, Fla.

1	PGGT - Scientific Advisor
1	PGN - Deputy for Bioastronautics
1	PGW - Deputy for Aerospace
3	PGTRI - Library Section

ASD, Wright-Patterson AFB, Ohio

1	ASGS - Chief Scientist
1	ASAPR - Technical Information
1	ASN - Technical Director
1	ASNC - Dir. of Systems Dynamic Analysis
1	ASND - Dir. of Defense & Transport
1	ASNN - Dir. of Aerospace Ground Equipment Engineering
1	ASNP - Dir. of Operational Support Engineering
1	ASNS - Dir. of Strategic & Tactical Systems Engineering
1	ASR - Technical Director
1	ASRC - Dir. of Materials & Processes, Col Anderson
1	ASRC - Technical Director, Mr Glass
1	ASRCE - Application Lab., Lt Col Hamlin
1	ASRCM - Metals & Ceramics Lab., Mr Kennedy
1	ASRCN - Nonmetallic Materials Lab., Mr Schwartz
1	ASRCP - Physics Lab., Mr Salzberg
1	ASRCT - Manufacturing Technology Lab., Col Begg
1	ASRM - Technical Director
1	ASRMF - Flight Accessories Lab.
1	ASRMP - Propulsion Lab.
1	ASRMD - Flight Dynamics Lab.
1	ASRMC - Flight Control Lab.
1	ASRN - Technical Director
3	ASAPRL - Technical Library
1	ASRNC - Communication Lab.
1	ASRNE - Electronics Technology Lab.
1	ASRNG - Navigation & Guidance Lab.
1	ASRNR - Reconnaissance Lab.
1	ASB - Technical Director
1	ASRM - Biomedical Lab.

HQ, OAR Distribution List
 ASD, Wright-Patterson AFB, Ohio (Cont'd)

No. Cys. Organization

1 ASBS - Behavioral Sciences Lab.
 1 ASBL - Life Support Systems Lab.
 ASD, Personnel Laboratory, Lackland AFB, Tex.
 1 Personnel Lab

ESD, L G Hanscom Fld., Bedford, Mass.

1 ESGS - Chief Scientist
 1 ESO - DCS/Plans & Operations
 1 ESR - Deputy for Technology
 1 ESRL - AF Lincoln Lab. Liaison Office
 1 ESRD - Dir. of Research & Development
 1 ESRDY - Asst. Dir. of Data Processing & Display
 1 ESRDZ - Asst. Dir. for Advance Systems
 1 ESRH - Operational Application Lab.
 1 ESY - Deputy for Foreign Technology
 1 CCOED-1 - Data Control Branch, Mr Frank Hennessy

AFMDC, Holloman AFB, NMex

1 MDR - Deputy for Development & Test
 1 MDRB - Bioastronautics Research Lab.
 3 Technical Library

RADC, Griffiss AFB, NY

1 RAT - Scientific Director
 1 RAS - Dir. of Engineering
 1 RASG - Applied Research Lab.
 1 RASH - Human Engineering Lab.
 1 RASS - Development Engineering Lab.
 1 RAUE - Equipment Lab.
 1 RAWC - QRC Lab.
 1 RAWE - Electronic Warfare Lab.
 1 RAWI - Information Processing Lab.
 1 RAY - DCS/Foreign Technology
 1 RAOI - Technical Information & Intelligence Div.
 3 RAOIL-1 - Technical Library

AFMTC, Patrick AFB, Fla.

3 Technical Library
 1 MTL - Col E P Wynne

AFSWC, Kirtland AFB, NMex

1 SWVC - Aerospace Systems Div.
 1 SWVN - Safety Analysis & Development Div.

HC, OAR Distribution List
AFSWC, Kirtland AFB, NMex (Cont'd)

<u>No. Cys.</u>	<u>Organization</u>
1	SWVW - Weapon Development Div.
1	SWVP - Nuclear Power Div.
1	SWVS - Support Equipment Div.
1	SWRA - Analysis Div.
1	SWRB - Biophysics Div.
1	SWRP - Physics Div.
1	SWRJ - Special Projects Div.
1	SWRS - Structures Div.
1	SWF - DCS/Foreign Technology
1	SWOI - Technical Information & Intelligence Div.
3	SWOIL - Technical Library

DCAS, Englewood, Calif.

3	Technical Library
---	-------------------

Government

1	OSD R&E, Dr R B Stegmaier, Wash 25, DC
1	OSD, Asst. for Research & Development, Wash 25, DC
1	OSD, Asst. for R&E, Wash 25, DC
1	ARPA, Mr Fred Koether, Wash 25, DC
1	HQ USAF, AFDBP, Col J R V Dickson, Wash 25, DC
1	HQ USAF, AFDRD, Col J V Hearn, Wash 25, DC
1	ASTIA, TIG, Col J O Vann, Arlington Hall, Arlington 12, Va.
145	ASTIA, TIR, Mr R H Chapman, " "
1	ASTIA, TIP, Mr J H Heald, " "
1	ASTIA, TIPSB, Mr P M Klinefelter " "
3	Army Research Office, Scientific Information Branch, Mr C McCabe, Arlington Hall, Arlington 12, Va.
1	Chief of Ordnance, DA, Wash 25, DC
1	Chief of Ordnance, DA, ORDGX, Wash 25, DC
1	Ordnance Weapons Command, Chief R&D, Rock Island, Ill.
1	Dir. BRL, Aberdeen Proving Ground, Md.
1	Tech Library, Aberdeen Proving Ground, Md.
1	Army Ballistic Missile Agency, Dr Stuhlinger, Redstone Arsenal, Ala.
1	Army Ballistic Missile Agency, Technical Information Branch, Redstone Arsenal, Ala.
1	Army Rocket & Guided Missile Agency, ORDXR-OTL, Redstone Arsenal, Ala.
1	Detroit Arsenal, Technical Library, Center Line, Mich.
3	Diamond Ordnance Fuze Labs, ORDTL-06.33, Wash 25, DC
1	Frankford Arsenal, Library Branch, 0270, Philadelphia 37, Pa.

HQ, OAR Distribution List
Government (Cont'd)

<u>No. Cys.</u>	<u>Organization</u>
1	Picatinny Arsenal, Library, Dover, NJ
1	Rock Island Arsenal, Library, 2250-Doc. Sec., Rock Island, Ill.
1	Watertown Arsenal, Tech Info Sec., Watertown 72, Mass.
1	Watervliet Arsenal, R&D Div., Dr R E Weigle, Watervliet, NY
1	Chief R&D, DA, Wash 25, DC
1	Asst. Chief of Staff, G-2, R&D Sec., Wash 25, DC
1	Asst. Chief of Staff, G-3, R&D Sec., Wash 25, DC
1	Office Chief of Staff, DA, Chief, R&D Sec., Wash 25, DC
1	Army Research Office, Chief Scientist, Dr Weiss, Wash 25, DC
1	Deputy Chief of Staff Plans & Research, DA, Wash 25, DC
1	Combat Operations Research Gp., Library, Fort Monroe, Va.
1	Executive Secretary, Army, C/R&D, Scientific Advisory Panel, Wash 25, DC
1	Mathematics Research Center, DA, Univ Wisconsin, Madison 6, Wisc.
1	Dir. U.S. Army Engineer Cold Region, R&E Lab, Chief, Climatic & Environmental Res. Br., 1215 Washington Ave., Wilmette, Ill.
1	U.S. Military Academy, Capt R Johnson, West Point, NY
1	Commanding & General Staff College, ARCHIVES, Fort Leavenworth, Kansas
1	U.S. Army R&D, Col C Ostrom, APO 757, NY, NY
1	Army War College, Library, 1478, Carlisle Barracks, Pa.
1	Tech Library, Special Weapons Training Gp., Sandia Base, Albuquerque, NMex
1	Chemical Warfare Labs., Tech Library, Army Chemical Center, Md.
1	Chief of Engineers, Engr. R&D Div., Gravelly Point, Va.
1	Engineering R&D Labs., Tech Documents Center, Ft. Belvoir, Va.
1	Chief Signal Officer, R&D Div., DA, Wash 25, DC
1	U.S. Army Signal R&D Lab., Office Research Operations, Fort Monmouth, NJ
1	U.S. Army Chemical Corps, R&D Command, Wash 25, DC
1	U.S. Army R&D Gp. (9852), (Far East), San Francisco, Calif.
2	Bureau of Naval Weapons, Dr C Harry, Wash 25, DC
5	Office of Naval Research, Dr Sam Rothman, Wash 25, DC
1	ONR, Mechanics Br., Wash 25, DC
1	Chief Naval Operations, ND (OP-36), Wash 25, DC
1	U.S. Naval Proving Ground, Tech Library, Dahlgren, Va.
1	Chief, Bureau of Aeronautics (TD-414), ND, Wash 25, DC
1	U.S. Naval Air Development Center, NADC Library, Johnsville, Pa.
1	U.S. Naval Ordnance Lab., White Oak, Silver Spring 19, Md.
1	Special Devices Center, ONR, Librarian, Sands Point, NY
1	U.S. Naval Postgraduate School, Librarian, Monterey, Calif.

HQ, C R Distribution List
Government (Cont'd)

<u>No. Cys.</u>	<u>Organization</u>
1	U.S. Naval Weapons Plant, Code 716, Wash 25, DC
1	R&D Program Planning Branch, ND, Code 312, Wash 25, DC
3	Technical Information Office, NRL, Wash 25, DC
2	Bureau of Budget, Military Div., Mr. C Fisher, 331 Executive Office Bldg., Wash 25, DC
2	Department of Commerce, OTS, Mr J Wheat, Jr., Room 2038, Annex 1, Wash 25, DC
1	Health, Education & Welfare, Dr Howard Hjelm, Wash 25, DC
5	NASA, Mr Melvin Day, Wash 25, DC
1	NASA, Office of Launch Vehicle Programs, Mr John Schaidley, Wash 25, DC
1	Lewis Research Center, (NASA), Dr Sharp, Cleveland, Ohio
1	AEC, Mr Charles Hargrave, Wash 25, DC
5	AEC, Mr Ed Sullivan, Georgetown, Wash 25, DC
2	National Academy of Sciences/National Research Council Mr Howard Lewis, Wash 25, DC
2	National Academy of Sciences/Materials Advisory Board, Capt Blamphin (USN Ret), Wash 25, DC
25	National Science Foundation, Mr Bill Creager, Wash 25, DC
3	Library of Congress, Bibliographical Section, Wash 25, DC
3	Library of Congress, Science & Technology Division, Mr J Sherrod, Mr M Thompson, Dr C Brown, Wash 25, DC
1	CIA, LD-2659.1, Wash 25, DC
1	Jet Propulsion Laboratory, California Institute of Technology, Pasadena, Calif.

Non-Government

1	AIA, Mr Ed Hincks, Shoreham Bldg., Wash 5, DC
1	Allegheny Ludlum Steel, Col J Dick, 1001 15th Street, NW, Wash, DC
1	Battelle Memorial Institute, Miss Panning, 505 King Ave., Columbus 1, Ohio
1	Battelle Memorial Institute, Mr R Rurck, 505 King Ave., Columbus 1, Ohio
1	Mr Erik Bergaust, 1012 14th Street, NW, Wash 5, DC
1	Chance-Vought Aircraft Corp., Mr Briggs, Suite 1107, 1000 Connecticut Ave., NW, Wash, DC
1	Clyde Williams Inc, Mr W Bickley, 50 W Gay Street, Columbus 15, Ohio
1	Documentation Inc., Dr Miller, 2521 Connecticut Ave., NW, Wash, DC
1	Electronic Industries Association, Mr Ed Wellington, 1621 DeSales Street, NW, Wash 6, DC
4	General Electric Corp., Dr Greer, 4901 Fairmont Ave., Wash 14, DC

HO, OAR Distribution List
Non-Government (Cont'd)

<u>No. Cys.</u>	<u>Organization</u>
1	General Precision Inc., Col H M McCoy (USAF-Ret) 724 14th Street, NW, Wash 5, DC
1	Herner & Company, Mr Saul Herner, 906 New Hampshire Ave., NW, Wash, DC
1	IIM, Mr Ed West, 1111 Connecticut Ave., NW, Wash 6, DC
1	Western Reserve University, Dr Allen Kent, Cleveland, Ohio
1	National Federation of Science Abstracting and Indexing Service, Mr Raymand Jensen, 301 E Capitol St., Wash 3, DC
1	Martin Company, Technical Information Center, Mr Isaacson, Orlando, Fla.
1	Science Communications Inc., Mr DeWitt Myatt, 1079 Wisconsin Ave., NW, Wash, DC
1	Science Information Exchange, Dr Freeman, 1825 Connecticut Ave., NW, Suite 313, Wash, DC
1	University of Michigan, Miss Betty George, 201 Catherine Street, Ann Arbor, Mich.

SUBJECT: Comments on OAR Report

TO: HQ OAR (RRONY)
Tempo "D"
Wash 25, DC

1. Add or correct the following entry in the Directory of R&D Information Systems. (Use additional sheets if necessary).

No. (if applicable)

Title:

Address:

Sponsoring, supporting and/or housing organization:

Description of content and services:

Forms of output:

How output is obtained by user:

2. Remarks concerning format, indexing, descriptions of systems, etc.