

Batch 50

| | | |
|---------------------------|--------------|-----------|
| 1. SUBJECT CLASSIFICATION | A. PRIMARY | TEMPORARY |
| | B. SECONDARY | |

2. TITLE AND SUBTITLE
Science and technology for international development, a selected list of information sources in the United States

3. AUTHOR(S)
(101) AID/TA/OST

| | | |
|--------------------------|----------------------------|----------------------|
| 4. DOCUMENT DATE 1972 | 5. NUMBER OF PAGES 54 p | 6. ARC NUMBER ARC |
|--------------------------|----------------------------|----------------------|

7. REFERENCE ORGANIZATION NAME AND ADDRESS
AID/TA/OST

8. SUPPLEMENTARY NOTES (Sponsoring Organization, Publishers, Availability)
(In TA/OST 72-7)

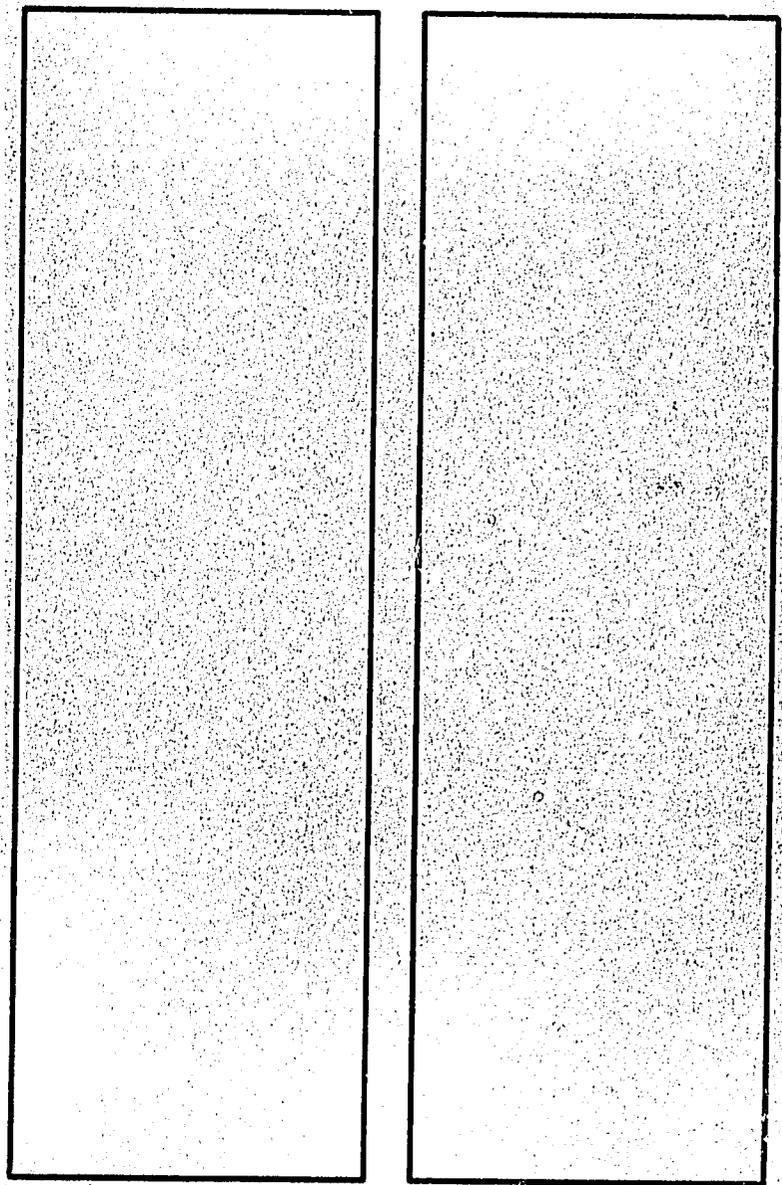
9. ABSTRACT
(SCIENCE AND TECHNOLOGY R & D)
(LIBRARY AND INFORMATION SCIENCE R & D)

A list of libraries and other organizations offering holdings or referral services for information relating to the application of science and technology in developing countries. This report is an initial effort to increase awareness of selected information sources in the U.S., and to encourage more systematic acquisition and dissemination of development-related information. It is concerned with three kinds of information: (a) the infrastructure for effective use of science and technology in developing countries; (b) industrialization in developing countries; and (c) natural resources planning and management by the developing countries. The scope of those subjects is discussed in Part I of this six-part report. Part II discusses available bibliographies. Part III lists libraries and other sources of information by the three-part classification noted above. Part IV describes, for each of those sources, the contact point, collection strength, publications, and information services. Part V lists selected AID-supported reports available through the National Technical Information Service. Part VI lists selected reports of international and regional organizations (OECD, UNESCO, UNIDO, FAO, OAS, UNITAR, IBRD, IADB, PAHO, and others).

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|----------------------------------|-----------------------|
| 10. CONTROL NUMBER PN-AAD-032 | 11. PRICE OF DOCUMENT |
|----------------------------------|-----------------------|

| | |
|-----------------|-----------------------------------|
| 12. DESCRIPTORS | 13. PROJECT NUMBER |
| | 14. CONTRACT NUMBER AID/TA/OST |
| | 15. TYPE OF DOCUMENT |

SCIENCE AND TECHNOLOGY FOR INTERNATIONAL DEVELOPMENT: A SELECTED LIST OF INFORMATION SOURCES IN THE UNITED STATES



Office of Science and Technology
Agency for International Development
Washington, D.C.

MARCH 1972

TA/OST/72-7

SCIENCE AND TECHNOLOGY
FOR INTERNATIONAL DEVELOPMENT:
A SELECTED LIST OF INFORMATION SOURCES
IN THE UNITED STATES

Office of Science and Technology
Agency for International Development
Washington, D.C.

March 1972

PREFACE

The information resources on science and technology -- and specifically science and public policy, industrial technology, and science and technology in support of natural resources planning and management -- are probably larger in the United States than in any other country of the world. Yet relatively little of this material pertains directly to activities in these fields in developing countries. While U.S. technical and economic assistance programs have been conducted in many developing countries for many years, generally these programs have not had a large science and technology component. Nevertheless, when aggregated, the reports resulting from these past activities provide a point of departure for considering future activities in these fields.

The relatively limited number of studies concerning science and technology in developing countries is dispersed in many U.S. libraries and institutions and many are retained in agency files as working documents. Other studies in these fields supported by international agencies, other developed countries, and developing countries themselves are even more difficult to obtain. This Report represents an initial effort to increase awareness of selected information sources that do exist in the United States and to encourage more systematic acquisition and dissemination of relevant information.

As greater emphasis is placed on science and technology in meeting the development needs of the 1970s and a larger number of U.S. scientists and engineers become involved in development activities, the principal U.S. information sources in these fields should be of increasing value. This Report presents a list of libraries and organizations believed to have the most comprehensive and complete holdings available in the United States in these fields pertaining to developing countries. These are recommended as primary sources, recognizing that smaller or specialized collections are widely dispersed in other institutions throughout the country. Suggestions from readers for broadening this list to include other substantial collections in these fields related to one or more developing countries will be welcome.

As one step in facilitating the accessibility of reports on science and technology for international development, the Office of Science and Technology has begun to file the reports of particularly relevant studies sponsored by A.I.D. with the National Technical Information Service, where they can be obtained at nominal cost. A first listing of such reports is presented in Section V.

Section VI lists selected key reports published by the United Nations and its specialized agencies and other international and regional organizations. These reports can be obtained directly from the publishers.

The cooperation and assistance of the staff of the Board on Science and Technology for International Development, National Academy of Sciences, in the preparation of this Report and in the scientific and technical information field generally is gratefully acknowledged.

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I. SCOPE OF APPLICATIONS OF SCIENCE AND TECHNOLOGY CONSIDERED IN THIS REPORT

The scope of applications of science and technology in international development, for which selected information sources are listed in Sections III and IV and reports are identified in Sections V and VI, includes:

- A. Infrastructure for effective use of science and technology in developing countries, including:
 - the development at the national level of science and technology policies, priorities, and organizational responsibilities, and strengthening institutional mechanisms for implementing national decisions in this field;
 - techniques to encourage at the operational level improved interaction among science and technology programs in government, industry, and universities and to stimulate closer orientation of those programs to national needs and priorities;
 - institutional capabilities and communication networks for acquisition, processing, analysis, distribution, and utilization of scientific and technological information; and
 - development and strengthening of appropriate scientific and engineering training and research capabilities, with particular emphasis on the role of university research in economic development.
- B. Industrialization in developing countries, including:
 - upgrading national and regional capabilities of developing countries in standards, and quality control and industrial research, concurrently improving the capability of indigenous industry to recognize the value of and to use such services;
 - supporting development of skills and techniques in developing countries for clarifying at the regional, national and enterprise level the short- and long-term costs, benefits, and related implications of alternative technological solutions to known development problems;
 - stimulating the development and introduction of industrial technologies appropriate to the labor, capital, and natural

resource endowments of developing countries, including adaptation of suitable modern technologies and technical support of small-scale industry; and

- increasing the contributions of technology in improving the quality and performance of economic infrastructure activities supported by national budgets, such as public works and transportation, and quasi-public corporations concerned with areas such as the applications of remote sensing.

C. Natural resources planning and management by the developing countries, including;

- improved exploration and mapping techniques for upgrading the ability to identify and appraise resources while reducing the time and cost involved, such as the applications of remote sensing;
- improved techniques for managing and conserving resources, including land use planning, technical basis for awarding concessions, and monitoring resource development;
- resources protection and rehabilitation, including pollution monitoring and abatement, natural disaster investigations, land reclamation, and water and waste management; and
- technological approaches to increasing value added locally to resources, and economic development of underutilized resources.

II. AVAILABLE BIBLIOGRAPHIES

Several useful bibliographies have been prepared on the role of science and technology in international development. However, much of the material that is identified is not generally available. Also, because of the increasing flow of new material, bibliographies are often incomplete and quickly become obsolete.

In connection with the United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas, the Agency for International Development commissioned the University of Pittsburgh to prepare "A Selected List for Reading on Development." The volume appeared in 1963 and contains 1195 references. More recently in 1970, under a grant from the National Science Foundation, Mr. Lynton K. Caldwell of the University of Indiana supervised the preparation of a comprehensive bibliography on "Science, Technology and Public Policy", which includes a section on international development. "Science Policy Reviews" published quarterly by the Battelle Memorial Institute, Columbus, Ohio, is useful in providing annotated bibliographic references from the current national and international literature in the area of science and public policy. For purposes of the Review, "science" is used to denote engineering and technology, as well as science.

Bibliographies also appear as part of studies that are published in this field. For example, there is an extended bibliography in the recent book by Mr. Graham Jones, entitled "The Role of Science and Technology in Developing Countries", prepared for the Royal Society of the United Kingdom. Similarly, a study by Mr. Jack Baranson of the World Bank entitled "Industrial Technologies for Developing Economies" (Praeger, 1969) has a 28-page bibliography which includes reference to a number of items not readily accessible through conventional sources.

The Agency for International Development has initiated a bibliography series which includes working papers in the A.I.D. Reference Center. Bibliography No. 5 (June 1971) deals with "Fisheries." An unpublished manuscript in the series on "Small and Medium Industrial Development Assistance to Newly Developing Countries" includes references to over one hundred studies in the A.I.D. Reference Center.

The many international organizations concerned with science and technology periodically publish bibliographies. Reports of the United Nations Industrial Development Organization, UNESCO, and the UN Economic Commissions are particularly helpful. Also, the older documents of the UN Development Program are available through University Microfilms, 3009 North Zeeb Road, Ann Arbor, Michigan 48106.

III. LIST OF INFORMATION SOURCES BY APPLICATION

A. Infrastructure for the Effective Use of Science and Technology in Developing Country.

1. National Referral Center for Science and Technology, Library of Congress
2. Science and Technology Division, Library of Congress
3. Library, Department of State
4. Reference and Documents Section, Bureau of International Organization Affairs, Department of State
5. Reference Center, Agency for International Development
6. Library, National Academy of Sciences/National Academy of Engineering
7. Library System, Cornell University
8. Library, National Science Foundation
9. Littauer Library, Harvard University
10. Library, Organization of American States
11. Library, Inter-American Development Bank

B. Industrial Technology

1. National Referral Center for Science and Technology, Library of Congress
2. Science and Technology Division, Library of Congress
3. Library, Volunteers for International Technical Assistance, Inc.
4. Library, Inter-American Development Bank
5. Reference Center, Agency for International Development
6. Reference Unit, United Nations Development Program
7. Joint Library, International Bank for Reconstruction and Development

8. Library, Massachusetts Institute of Technology
9. Library, Organization of American States
10. National Technical Information Service
11. Library, National Academy of Sciences/National Academy of Engineering
12. Library, National Bureau of Standards
13. Division of Technical Information Extension, Atomic Energy Commission

C. Natural Resources Planning and Management

1. National Referral Center for Science and Technology, Library of Congress
2. Science and Technology Division, Library of Congress
3. Library, Organization of American States
4. Library, Inter-American Development Bank
5. Joint Library, International Bank for Reconstruction and Development
6. Reference Center, Agency for International Development
7. Library, National Academy of Sciences/National Academy of Engineering
8. Reference Unit, United Nations Development Program
9. National Agricultural Library (Water)
10. Library, U.S. Geological Survey (Minerals/Water)
11. Reference Branch, Engineer Agency for Resources Inventories (Water/Land Use)
12. Geology Library, University of Illinois (Minerals)
13. Library, Water Resources Division, U.S. Geological Survey (Water)
14. Library, Auburn University (Water/Aquaculture)

15. Scientific Information and Documentation Division, National Oceanic and Atmospheric Administration (Fisheries)
16. Library, U.S. Forest Service (Forestry)
17. Library, Forest Products Laboratory, U.S. Forest Service (Forestry)
18. Library, Agricultural Experiment Station, Purdue University (Forestry)
19. Library, College of Forestry, Syracuse University (Forestry)
20. Library, University of Washington (Fisheries)
21. Document Library, Woods Hole Oceanographic Institution (Fisheries)
22. Library, Department of Fisheries and Marine Technology, University of Rhode Island (Fisheries/Aquaculture)

IV. DESCRIPTION OF INFORMATION SOURCES

A. General Purpose Sources

1. Source

National Referral Center for Science and Technology
Library of Congress
Washington, D.C. 20540

Contact Point

Mr. John F. Price
Assistant Chief for Reference and Referral Services
202 - 426-5687

Collection Strength

An inventory of information resources in the United States. The inventory includes broad and specific areas of interest for each organization or individual, holdings (literature and report collections, unpublished data, specimen collections, etc.), titles of representative publications, and the types of information services available.

Publications

A Directory of Information Resources in the United States: Physical Sciences, Biological Sciences, Engineering (1971).

Information Services

Provides names, addresses, telephone numbers, and brief descriptions of appropriate information resources. Functioning as an intermediary, the Center directs those who have questions concerning specific subjects to organizations or individuals with specialized knowledge of those subjects. It does not provide technical details in answer to engineers or furnish bibliographic assistance (requests for bibliographic services should be addressed to the Science and Technology Division, Library of Congress). Services are available without charge, by telephone, correspondence, or through personal visits.

2. Source

Science and Technology Division
Library of Congress
Washington, D. C. 20540

Contact Point

Miss Connie Carter
Head, Reference Section
202 - 426-5580

Collection Strength

The subject fields of science and technology are represented by more than 2 million books, nearly 20,000 current journal titles, and some 1.25 million technical reports. All major abstracting and indexing journals in the physical, earth, biomedical, and social sciences are represented for purposes of current and retrospective searching. The Division also has immediate custody of an extensive collection of reports (some 756,000 titles), most of them in microform, including those issued by the Atomic Energy Commission, National Aeronautics and Space Administration, Department of Defense, and other Government agencies.

Publications

The Division publishes occasional bibliographies. A publications list is available.

Information Services

The Division has primary responsibility for providing reference and bibliographic sources on the Library's overall science and technology collections. Brief technical inquiries entailing a bibliographic response are answered without charge. Extensive literature searching and bibliographic services are provided on a fee basis. Individuals performing their own literature searches may use the Science Reading Room, where microform readers are available for use with the technical report collection.

3. Source

Library
National Academy of Sciences/National Academy of Engineering
2101 Constitution Ave., N.W.
Washington, D.C. 20418

Contact Point

Mr. James Olsen
Librarian
202 - 393-8100

Collection Strength

A virtually complete set of the publications of the National Academy of Sciences, its National Research Council, and the National Academy of Engineering; biographical publications, scientific dictionaries and encyclopedias; major indexing and abstracting services; and 400 periodical titles. National Academy of Sciences reports relating to many developing countries are available in the Library. See Section V for listing.

Publications

None

Information Services

Library services are mainly for Academy personnel. However, inquiries requiring reference services based on the collections are accepted, and the collections are accessible for onsite use by the scientific and academic community, Government officials, industrial and commercial organizations, and students. Those unfamiliar with the institution and its library are advised to contact the librarian or assistant librarian prior to their first visit.

4. Source

Agency for International Development
Department of State
Washington, D.C. 20523

Contact Point

Miss Edna Falbo
Chief, Reference Center
202 - 632-9345

Collection Strength

Science and technology for application in the less developed countries, including agriculture, rural development, industrialization, natural resources, science policy, engineering, food assistance, food from the sea, public health, housing and urban development, nutrition and child feeding, and population; background information

on investment opportunities in less developed countries. Technical reports, surveys, studies, etc. prepared in support of specific technical and capital assistance projects.

Publications

Occasional bibliographies; accessions list.

Information Services

Answers inquiries; makes referrals.

5. Source

Library

Organization of American States
Seventeenth and Constitution Ave., N.W.
Washington, D.C. 20006

Contact Point

Mr. Jorge Aguayo
Librarian
202 - 381-8208

Collection Strength

Books, reports, periodicals, standards and reviews, bibliographies, pamphlets, and pul related to science and technology in Latin

Publications

Ciencia Interamericana (journal, 5 issues a year, in Spanish); Scientific Monographs (10-15 issues a year, in Spanish and Portuguese) on physics, biology, chemistry, and mathematics; reports, proceedings.

Information Services

Answers inquiries; makes referrals; provides consulting, bibliographic, literature-searching, and translating services; permits onsite use of collection.

6. Source

Joint Library

International Bank for Reconstruction and Development
1800 H Street, N.W.
Washington, D.C. 20433

Contact Point

Librarian
202 - 477-3167

Collection Strength

Particularly strong in publications on developing countries, including country development plans, pre-feasibility and feasibility studies for country development projects, and World Bank study reports related to capital loans. The Bank also has available extensive data on population, socio-economic indicators, economic growth, international capital flow and external debt, and international trade.

Publications

Accessions lists and occasional bibliographies.

Information Services

Onsite reference with permission.

7. Source

Library
Inter-American Development Bank
807 17th Street, N.W.
Washington, D.C. 20577

Contact Point

Dr. Julio Broide
Chief of Library
202 - 382-3933

Collection Strength

The Library has about 19,000 items, mainly on economic and social development in Latin America, and some 1200 periodicals. The collection includes country development plans, reports of pre-feasibility and feasibility studies for country development projects, and IDB study reports.

Publications

Occasional bibliographies and accession lists.

Information Services

Answers inquiries; makes referrals.

8. Source

Library
Department of State
Washington, D.C. 20520

Contact Point

Librarian
202 - 632-0486

Collection Strength

The State Department library has a particularly strong collection in diplomatic history, international political and economic developments, and socio-cultural trends in developing countries. The library contains information on all areas of the world and their peoples in more than 600,000 volumes, including 50,000 volumes of bound periodicals, 240 volumes of official gazettes and government documents, and one-quarter of collection in languages other than English.

Publications

Accession lists and occasional bibliographies.

Information Sources

The library is available to the public for scholarly research, particularly in regard to items not available elsewhere. Those who do not have a Department pass should call the library for assistance in arranging for a temporary pass.

9. Source

Reference and Documents Section
Bureau of International Organization Affairs
Department of State
Washington, D.C. 20520

Contact Point

Chief of Section
Mr. John O. Hemard
202 - 632-7992

Collection Strength

The Section maintains a complete file of all United Nations documents.

Publications

None

Information Services

The Section provides research and reference services on UN documents for the Department and other government agencies. Onsite reference can be arranged with special permission.

10. Source

United Nations Development Program
United Nations
New York, N. Y. 10017

Contact Point

Mrs. Janet Kozera
Chief, UNDP Reference Unit
212 - 754-1234, ext. 4630

Collection Strength

Technical assistance (UNDP (Special Fund), UNDP (Technical Assistance), United Nations Regular Program, and World Food Program) in the field of natural resources development, including desalination, geology, flood control, hydropower, navigation, ground water, water resources planning and management, water legislation, and river basin development; meetings, symposia, training courses and inter-regional seminars, studies, and general data and information collection programs in the aforementioned fields.

Publications

Studies, surveys, reports, seminar and symposium proceedings.

Information Services

Answers inquiries from Government agencies and from selected individuals.

B. Specialized Sources

Infrastructure for Science and Technology

1. Source

Library System
Cornell University
Ithaca, New York 14850

Contact Point

Mr. David Kaser or Dr. Frank J. Ahimaz
Director Assistant Program Director
607 - 273-4321 Program for Science and Technology
in Developing Countries
Center for International Studies
607 - 256-4262

Collection Strength

Extensive collection on science and technology. In process of assembling material directly relevant to developing countries.

Publications

Occasional bibliographies and accession lists.

Information Services

Answers inquiries; makes referrals.

2. Source

Littauer Library
John F. Kennedy School of Government
Harvard University
Cambridge, Mass. 02138

Contact Point

James C. Damaskos
Librarian
617 - 868-7600, ext. 2105

Collection Strength

The Littauer Center is designed as a center for the School and other activities of the University relating to public

policy and the government service. A large part of the library resources (present count near 200,000 volumes and pamphlets) is made up of selected Federal and State government documents.

Publications

Occasional bibliographies.

Information Services

Answers inquiries; makes referrals.

3. Source

Library
National Science Foundation
1800 G Street, N.W. Room 219
Washington, D.C. 20550

Contact Point

Mrs. Frances M. Pentecost
Librarian
202 - 632-4070

Collection Strength

The National Science Foundation Library contains about 14,000 volumes and receives over 700 periodicals. The collection includes general works and recent research developments in the fields of the physical, biological and social sciences, science policy, and the environmental sciences. Emphasis is placed on developing the collection in the fields of history and philosophy of science, administration of scientific research, education and teaching in the sciences, national and international science policy, and the environmental sciences.

Publications

Occasional accession lists.

Information Services

Open to the public.

Industrial Technology

1. Source

National Technical Information Service
Department of Commerce
5285 Port Royal Road
Springfield, Va. 22151

Contact Point

Director
703 - 321-8500

Collection Strength

Government-generated science and technology in defense, space, atomic energy, and other national programs. About 600,000 unclassified/unlimited Government-sponsored technical reports, including unclassified documents produced by Department of Defense research and development laboratories and contractors. The collection grows at the rate of approximately 40,000 reports per year.

Publications

(1) U.S. Government Research and Development Reports (USGRDR) and its companion, U.S. Government Research and Development Reports Index (USGRDR-I), issued on the 10th and 25th of each month, containing abstracts and indexes to Government reports offered for sale by NTIS; (2) Clearinghouse Announcements in Science and Technology, a new abstract service designed for quick review of the current scientific and technical reports available from NTIS and providing a simple method for the engineer, the scientist, and the businessman to scan the flow of new technical information.

Information Services

NTIS provides scientists, engineers, businessmen, industrial and academic organizations, the defense community, and the general public with unclassified information resulting from Government-sponsored research and development. Sale of Reports: Items listed in U.S. Government Research and Development Reports are made available for the cost of reproduction and handling in one of two forms--as printed pages or as microfiche (4x6-inch microphotography sheets,

covering up to 70 pages per sheet). Inquiry Services: NTIS also provides reference and inquiry services to Government agencies and the general public, including inquiries on document availability and searches for documents in specific areas of interest.

2. Source

Volunteers for International Technical Assistance, Inc.
College Campus
Schenectady, New York 12308

Contact Point

Ms. Gerry Forlenza
Librarian
518 - 374-3581

Collection Strength

The VITA library contains an extensive collection of reports on intermediate technology relevant to developing countries, including over 200 manuals and sets of plans on complex technology, simplified and oriented to rural and agricultural use in developing countries. The plans, designed for labor-intensive economies, are available in ten categories, including agriculture, insect and pest control, water resources, home improvement, surveying, construction, transport, rural industry equipment, education and communications, and village power sources. Holdings also include business service bulletins, plant requirement reports, industry profiles, technical digest summaries, and over 1600 reports and studies covering economic and social conditions, industry and marketing status, and feasibility and investment studies in 120 countries.

Publications

Bibliographies of reference material

Information Services

Reference services and advice on intermediate technology for development by phone, correspondence or onsite visit.

3. Source

Library
National Bureau of Standards
Gaithersburg, Md. 20234

Contact Point

Librarian
301 - 921-3451

Collection Strength

Mathematics; physics; metrology; mechanics; acoustics; optics; spectroscopy; nuclear physics; electricity and magnetism; chemistry (analytic, inorganic, organic, physical); crystallography; engineering; metallurgy; polymers; electronics; computer technology; standards and specifications; fire research; environmental pollution. Over 100,000 books, bound volumes of periodicals, and publications of scientific and technical institutions throughout the world. About 3,000 periodicals are received currently.

Publications

Occasional bibliographies and accession lists.

Information Services

Answers inquiries; makes interlibrary loans; permits onsite reference.

4. Source

Division of Technical Information Extension
U.S. Atomic Energy Commission
P.O. Box 62
Oak Ridge, Tenn. 27830

Contact Point

Director
614 - 483-4352

Collection Strength

Nuclear science and technology, including the body of knowledge related to production, properties, principles, and phenomena of atomic nuclei, subatomic particles, gamma-rays and X-rays, and the application of the principles and phenomena of nuclear science to other sciences and engineering, and, conversely, the application of other sciences and engineering to the problems of nuclear science. The AEC's master collection of atomic energy literature, including AEC and AEC-contractor technical reports, journal articles, conference papers and proceedings, patents, dissertations, books, monographs, and critical reviews, pertinent reports of other U.S. agencies and their contractors, reports of other countries having atomic energy programs, English translations of foreign atomic energy literature, and engineering drawings, specifications and related materials.

Publications

Nuclear Science Abstracts (semimonthly, with personal author, corporate author, report number, and subject indexes), providing worldwide coverage of unclassified atomic energy literature; three Technical Progress Reviews: "Isotopes and Radiation Technology" (quarterly), "Reactor Technology" (quarterly), and "Nuclear Safety" (bimonthly), each summarizing and evaluating recent developments in its specific area. The DTI Extension will upon request provide the following free publications: Science Information Available from the Atomic Energy Commission (TID 4550), a guide to AEC's science-information programs and services; Books and Monographs Sponsored by the United States Atomic Energy Commission, a catalog giving titles, scope, price, and availability of items listed.

Information Services

The DTI Extension provides reference and literature searching services to qualified requesters. The majority of AEC's unclassified reports, critical reviews, symposia proceedings, translations, etc. may be purchased in paper copy or in microfiche from the National Technical Information Service, U.S. Department of Commerce, Springfield, VA. 22151.

5. Source

Library
Massachusetts Institute of Technology
Cambridge, Mass. 03139

Contact Point

Miss Ann Burr
Program for Technology Adaptation for Developing Countries
617 - 876-3580

Collection Strength

In process of preparing reference catalogue of material relating to technology adaptation with particular reference to developing countries.

Publications

Occasional bibliographies; accessions lists.

Information Services

Answers inquiries; makes referrals.

Natural Resources Planning and Management

1. Source

National Agricultural Library
U.S. Department of Agriculture
Beltsville, Md. 20705

Contact Point

Mr. Charles Beebe
Chief, Reference Division
301 - 345-6200

Collection Strength

1.3 million volumes, including books and bound journals, current periodicals, reports, maps, charts, posters, and microforms. The literature is in 50 languages and includes material from over 100 foreign countries.

Publications

Indexes and bibliographies, including Bibliography of Agriculture, a monthly index of the world literature on agriculture and related chemical and biological subjects.

Information Services

Answers reference questions and makes brief literature searches without charge. Photocopying is done at cost. The buildings are open to the public for onsite reference, and material may be borrowed through interlibrary loan.

2. Source

Library
U.S. Geological Survey
Department of the Interior
Washington, D.C. 20242

Contact Point

Mr. George H. Goodwin, Jr.
Chief Librarian
202 - 343-3863

Collection Strength

The holdings of the Main Library consist of books (almost 422,000), journals (about 1,500 periodicals are received regularly), data, and topographic and geologic maps (about 208,000). The Branch Libraries have less extensive holdings. All four libraries are supplied with copies of all major Geological Survey publications. In addition, the Denver library has a field record and photographic collection for geological expeditions from 1869 to the present, and a special collection of well logs. The Library contains over 1,000 reports on developing countries worldwide.

Publications

None

Information Services

The Main Library and its branches are open to the public for reference. The Denver library's collection of well logs is available only to Survey and Atomic Energy Commission personnel, and its collection of field records is available to persons outside the Survey only by permission of the Director. A publications exchange program is maintained with approximately 800 foreign institutions and 200 in the United States. Interlibrary loan services are provided to other Government agencies, educational institutions, and industry. Materials are made available for duplication through commercial firms. Survey still photographs may be purchased from the Denver library.

3. Source

Library
Water Resources Division
U.S. Geological Survey
Washington, D.C. 20242

Contact Point

Mr. James Randolph
Chief, Water Information Group
202 - 343-4765

Collection Strength

About 25,000 books, reports, journals, maps, and charts pertaining to water resources; about 250 million items of water data, 2,000 data compilations, 100,000 water-well core samples, 50 analog models of surface- or ground-water occurrences, 40 magnetic tapes of data on streamflow and quality of water, and 100 computer programs on water resources studies. A small percentage of this material relates to developing countries.

Of the established series of publications of the Geological Survey, information on water resources appears principally in Professional Papers, Bulletins, Water-Supply Papers, Circulars, Hydrologic Atlases, and the annuals, Geological Survey Research and Bibliography of

Hydrology, Techniques of Water Resources Investigations of the United States Geological Survey is a recently established series. Nontechnical reports include primers on water, ground water, and water quality.

Information Services

Requests for general information in the field of water resources are answered by the Special Reports Unit.

4. Source

Engineer Agency for Resources Inventories
4701 Sangamore Road, N.W.
Washington, D.C. 20016

Contact Point

Mr. P. H. Ottinger
Chief, Reference Branch
202 - 227-2519

Collection Strength

4,000 books and technical reports, 300 files of data; 800 special subject maps; 100 journal titles. Some of this material relates to developing countries, principally those in Southeast Asia and Latin America.

Publications

Selected accessions (weekly, available on written request); resource atlases (not generally available for public distribution); special studies, reports, papers, and manuals (some available on request); bibliographies.

Information Services

Answers inquiries; provides advisory, reference, and limited bibliographic services; makes limited inter-library loans.

5. Source

Geology Library
223 National History Building
University of Illinois
Urbana, Illinois 61801

Contact Point

Mrs. Harriet Smith
Librarian
217 - 333-1266

Collection Strength

60,000 volumes; 2,200 serials, including Government reports; geological maps with worldwide coverage; 208 films; 6 vertical file drawers of reprints, translations, and pamphlets; extensive collection of old and rare books on geology (available for onsite use). Most foreign languages are represented, with emphasis on Russian, German, French, Spanish, and Italian sources.

Publications

Monthly acquisition list.

Information Services

Provides library services to University students and staff members, and to others by special permission; makes interlibrary loans; provides duplication services for fee.

6. Source

Library
Water Resources Research Institute
314 Nuclear Science Center
Auburn University
Auburn, Ala. 36830

Contact Point

Librarian
205 - 826-5075

Collection Strength

Water resources planning, publications, and research; water reuse; public and private water supply; rural, recreational, municipal, industrial, and agricultural water use; waterways; wells; detergents in water; hydraulics; hydrogeology; fluid mechanics; pesticides in water; control, abatement, sources, and effects of water pollution; municipal and industrial wastes; waste treatment; waste water; water analysis; water chemistry; water conservation; water cycle; water microbiology; water purification; water quality; water reclamation; soil-water relations; salt water intrusion; reservoirs; rivers and streams; water runoff; irrigation; lakes; limnology; fish diseases; eutrophication; aquifers; aquatic biology; aquatic ecology; aqueous solutions; ground water. Books maps, project records, reports, journals, newsletters, bibliographies, pamphlets.

Publications

Bulletin (research reports), pamphlets, annual report.

Information Services

Answers inquiries; makes referrals; permits onsite use of collection.

7. Source

Scientific Information and Documentation Division
National Oceanic and Atmospheric Administration
North Bethesda Office Center
Rockville, Md. 20852

Contact Point

Director
301 - 496-8486

Collection Strength

NOAA's scientific and technical publications; announcement of publications, translations, and meetings; documentation, including research and development in documentation; oceanography; hydrography; seismology; geomagnetism; aeronomy; radio

science; hydrology; climatology; atmospheric sciences; cartography; solar physics; geodesy; marine fisheries.

Publications

Monthly Weather Review; NOAA Monographs; NOAA Professional Papers; NOAA Technical Reports; NOAA Technical Memorandums; NOAA Science and Engineering (biennial report); Library Accessions List; NOAA Publications Announcement; Calendar of Events; books, abstracts and indexes, bibliographies, research-in-progress reports, translations.

Information Services

Responds to requests for scientific and technical information produced by NOAA and arranges for the exchange of such information with other Government agencies; refers highly specialized requests to NOAA libraries or other centers of competence; provides reference, literature-searching, abstracting and indexing, and translating services; disseminates publications. Services are free except where a major analysis effort or costly publication is involved.

8. Source

Library

U.S. Forest Service
12th St. and Independence Ave., S.W.
Washington, D.C. 20250

Contact Point

Librarian
202 - 388-5653

Collection Strength

Forest products utilization; timber and wood quality; processes and product development; wood chemistry and fiber products; wood engineering; forest engineering, including timber harvesting systems. Technical reports, handbooks, monographs, including material on forestry development in most developing countries.

Publications

Technical reports, handbooks, monographs.

Information Services

Inquiries are answered or referred to the appropriate Forest Experiment Station.

9. Source

Library
Forest Products Laboratory
U.S. Forest Service
North Walnut Street
P.O. Box 5130
Madison, Wisconsin 53705

Contact Point

Librarian
608 - 257-2211

Collection Strength

Forest products utilization; wood quality; solid wood products; wood engineering; wood chemistry; wood fiber products. Books, journals, reports, photos, films. Collection includes reports on forestry development in most developing countries.

Publications

Technical and survey reports, handbooks, monographs, bibliographies, literature reviews, bulletins.

Information Services

Answers inquiries; provides consulting, reference, and document services; permits onsite use of literature collection.

10. Source

Library
Agricultural Experiment Station
Purdue University
Lafayette, Indiana 47907

Contact Point

Librarian
317 - 749-2417

Collection Strength

Agricultural and home economics research, including agricultural engineering, agronomy (crops, soils), animal and poultry sciences, botany and plant pathology, entomology, forestry and conservation, horticulture, veterinary science, biochemistry, and intermediary metabolism research. Holdings include reports on development in many developing countries.

Publications

Research Bulletin (20 a year); Research Progress Reports (50-60 a year); Agricultural Science Digest (bimonthly newsletter); journal articles (250-275 a year).

Information Services

Provides reference services.

11. Source

Library
College of Forestry
Syracuse University
State University of New York
Syracuse, N. Y. 13210

Contact Point

Librarian
315 - 476-3151, ext. 385

Collection Strength

Cellulose and wood chemistry; pulping chemistry; wood anatomy and ultrastructure. Technical reports of graduate student research (including theses); reprints, publication lists; complete collection of UN Food and Agriculture Organization reports. Reports of Office of International Forestry, including reports on Philippines and Venezuela.

Publications

Library Notes, accessions lists, and bibliographies.

Information Services

Answers inquiries; provides consulting services; arranges conferences in above subject matters every third year.

12. Source

Library
University of Washington
Seattle, Washington 98105

Contact Point

Librarian
206 - 543-1760

Collection Strength

Science and technology, including astronomy, atmospheric sciences, chemistry, engineering, physics, mathematics, fisheries, oceanography, forest resources, medicine, dentistry, nursing, pharmacy, zoology, geology, botany, and biology. 1,690,000 volumes of monographs and serials; numerous Government publications (Federal, State, international, foreign); over 352,000 research reports; 37,000 reels of microfilm; 548,000 microfiches, microprints and microcards. Forestry reports on several developing countries including Chile and Costa Rica.

Publications

Library Leaflet series (irregular); Library Guide series (irregular); Washington Library Letter (biweekly); acquisition lists.

Information Services

Provides reference services, primarily to students and faculty; makes interlibrary loans; provides duplication services for fee; permits onsite reference.

13. Source

Document Library
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

Contact Point

Librarian
617 - 548-1400, ext. 269

Collection Strength

All aspects of oceanography, including instrumentation, marine meteorology, geology and geophysics. 15,000 technical reports.

Publications

Oceanus (quarterly), containing popular articles, technical reports, annual report. The Document Library issues a monthly accessions bulletin of technical reports received in the Library.

Information Services

Answers telephone inquiries; lends unclassified technical reports to the scientific and educational community; permits onsite use of collection by persons introduced by staff members or affiliated with the Federal Government; makes interlibrary loans.

14. Source

Library
Department of Fisheries and Marine Technology
University of Rhode Island
210 Woodward Hall
Kingston, R. I. 02881

Contact Point

Librarian
401 - 792-2559

Collection Strength

Technical aspects of commercial fisheries, including aquaculture, fishing vessels, nets and gear, engineering, fish handling and processing, and navigation and vessel operations; commercial fisheries education programs; commercial fisheries extension activities. Small reference collection of books, periodicals and reports, including some concerning developing countries.

Publications

Commercial fisheries newsletter (bimonthly); technical reports, extension bulletins.

Information Services

Answers inquiries; provides consulting services, usually on contract basis.

**V. SELECTED AID-SUPPORTED REPORTS AVAILABLE THROUGH THE NATIONAL
TECHNICAL INFORMATION SERVICE***

A. Office of Science and Technology In-House Reports

1. Environmental Considerations for Construction Projects, Agency for International Development, TA/OST 71-1, July 1971. PB-203 326
2. Environmental Problems in Selected Developing Countries (Preliminary Survey), Agency for International Development, TA/OST 71-2, July 1971. PB-203 380-U
3. Role of Remote Sensing in Developing Countries, Agency for International Development. TA/OST 71-3, July 1971. PB-203 309
4. Water Quality Standards and International Development, Agency for International Development, TA/OST 71-4, October 1971. PB-204 408
5. Economic Damage Caused by Aquatic Weeds (Preliminary Survey), Agency for International Development, TA/OST 71-5, December 1971. PB-206 905
6. Report of a Workshop on Science and Technology Priorities for International Development, Agency for International Development, TA/OST 71-6, December 1971. PB-206 752

B. Other Reports Supported by the Office of Science and Technology

1. Proceedings of Symposium: Computer Technology in Developing Countries, March 22-23, 1971, Agency for International Development. PB-203 327
2. Proceedings of the Symposium on Potential Application of Remote Sensing to Economic Development in Developing Countries; Smithsonian Institution, November 1970. PB-203 310
3. Application of Modern Technologies to International Development, Agency for International Development, TA/OST 72-1, January 1972.

*Publications, for which the NTIS order number is not given, are being accessioned.

4. Metrology and Standardization in Less-Developed Countries: The Role of a National Capability for Industrializing Economies, National Bureau of Standards, Special Publication 359, December 1971.
5. The Application of Geochemical, Botanical, Geophysical and Remote Sensing Mineral Prospecting Techniques to Tropical Areas--State of the Art and Needed Research, U.S. Geological Survey, John Van Dorr II et al, December 1971. PB-207 191
6. Techniques for Assessing Water Resource Potentials in the Developing Countries, U. S. Geological Survey, George C. Taylor, Jr., December 1971. PB-207 192

C. Reports of Other A.I.D. Offices

1. Industrializing at the Grass Roots Level in the Philippines, Agency for International Development, Kenneth Sheldon, December 1963. PB-206 902
2. A Current Blueprint for Industry Planning in Brazil, Agency for International Development, Winthrop Barnes, March 1968. PB-206 974
3. Expanding Exports, A Case Study of the Korean Experience, Agency for International Development, Amicus Most, June 1969. PB-206 975
4. The Institutional Development Agreement: A New Operational Framework for A.I.D. and the Universities, Report of a Joint Committee of the National Association of State Universities and Land Grant Colleges and the Agency for International Development, January 1970. PB-207 393
5. Progress Through Modern Processes and Tools; Agency for International Development, G. Thomas, March 1970. PB-205 287
6. Survey Report on the Establishment of the Korea Advanced Institute of Science, Agency for International Development, D. Benedict, et al, December 1970. PB-206 978
7. Trade and Development: Trade Performance and Prospects of Developing Countries, Agency for International Development, October 1971. PB-207 627

D. National Academy of Sciences Reports

1. International Aspects of Man's Effect Upon the Environment, Advisory Panel Report, National Academy of Sciences, January 1970. PB-203 379
2. The International Development Institute, Advisory Panel Report, National Academy of Sciences, July 1971. PB-203 331
3. Report of the Study Group on Animal Diseases in Africa, National Academy of Sciences, April 1965. PB-203 361-U
4. Science and Nigerian Development: Report of a Workshop, National Academy of Sciences, 1965. PB-203 390-U
5. Agricultural Research Priorities for Economic Development in Africa, The Adidjan Conference, National Academy of Sciences, 1968, 3 volumes. PB-203 367-U, 368-U, and 369-U
6. Research Priorities and Problems in the Execution of Research in Ghana: Summary: Proceedings of the Workshop on Scientific Research Held at Accra, January 18-22, 1971, National Academy of Sciences, January 1971. PB-203 329
7. Scientific Research in Ghana: Part 2: Full Report: Proceedings of the Workshop on Research Priorities and Problems in the Execution of Research in Ghana Held in Accra January 18-22, 1971, National Academy of Sciences, 1971. PB-203 330
8. Report of the Argentine-U.S. Workshop on Science and Technology in Economic Development, National Academy of Sciences, July-August, 1969. PB-203 378-U
9. Science and Brazilian Development: Report of a Workshop on Contribution of Science and Technology to Development, National Academy of Sciences, 1966. PB-203 413-U
10. Science and Brazilian Development, National Academy of Sciences, 1968. PB-203 366-U
11. Industrial Research as a Factor in Economic Development: Report of the Joint Study Group on Industrial Research: U.S.-Brazil Science Cooperation Program, National Academy of Sciences, September 1968. PB-203 373-U

12. Science and Brazilian Development, Report of the Third Workshop, National Academy of Sciences, April 1969. PB-203 391-U
13. Colombia-U.S. Workshop on Science and Technology in Development: Volume I, National Academy of Sciences, 1968. PB-203 374-U
14. Colombia-U.S. Workshop on Science and Technology Development: Volume II, National Academy of Sciences, 1968. PB-203 375-U
15. East Pakistan Land and Water Development as Related to Agriculture, National Academy of Sciences, January 1971. PB-203 328
16. Report of the Indo-U.S. Workshop on the Management and Organization of Industrial Research Held at Baroda from March 2-6, 1970, National Institute of Sciences of India, 1970. PB-203 311
17. Report of the LIPI-NAS Workshop on Food, National Academy of Sciences, May 1968, 3 volumes. PB-203 370-U, PB-203 371-U, PB-203 372-U
18. The Future of U.S. Technical Cooperation with Korea, National Academy of Sciences, November 1969. PB-203 325
19. The Role of Science and Technology in Peruvian Economic Development, National Academy of Sciences, 1966. PB-203 362-U
20. Second Peru-United States Workshop on Science and Technology in Economic Development: Volume I, National Academy of Sciences, 1967. PB-203 363-U
21. Second Peru-United States Workshop on Science and Technology in Economic Development: Volume II, National Academy of Sciences, 1967. PB-203 364-U
22. Philippines-U.S. Workshop on Scientific and Technological Cooperation and Development: Part I, National Academy of Sciences-National Research Council, 1965. PB-203 394-U
23. Science and Philippine Development: Report of a Workshop on Scientific and Technological Cooperation and Development: Part II, National Academy of Sciences-National Research Council, 1965. PB-203 395-U

24. Report of Philippines-U.S. Workshop on Fisheries and Oceanography, National Academy of Sciences, December 1967. PB-203 365-U
25. Philippines-U.S. Workshop on Industrial Research: Part I, National Academy of Sciences, 1969. PB-203 376-U
26. Philippines-U.S. Workshop on Industrial Research: Part II, National Academy of Sciences, 1969. PB-203 377-U
27. Second U.S.-Philippines Workshop on Cooperation in Science and Technology, National Academy of Sciences, November 1966. PB-204 407

E. A.I.D. Research Reports

1. Preliminary Report of Field Survey Teams on the Generation and Utilization of Power in Rural Areas of Developing Countries, General Electric Company, September 1962. PB-206 798
2. Refrigeration - Cooling Systems for Rural Communities in Developing Countries, General Electric Company, December 1962. PB-206 698
3. Small Scale Power Supplies for Rural Communities in Developing Countries, General Electric Company, March 1963. PB-206 800
4. Summary Report: Generation and Utilization of Power for Rural Communities in Developing Countries, General Electric Company, May 1963. PB-206 801
5. A Preliminary Investigation on the Potential Use of Foam Plastics for Housing in Underdeveloped Areas, University of Michigan, S. Paraskeropoulos, et al, February 1963. PB-206 799
6. Structural Potential of Foam Plastics for Housing in Underdeveloped Areas, University of Michigan, S. Paraskeropoulos et al, November 1965. PB-206 969
7. Factors Governing the Introduction of Foam Plastics for Housing Use in Underdeveloped Areas of the World, University of Michigan, S. Paraskeropoulos, et al, June 1966. PB-206 976

8. Report of Survey Team: Projected AID Research Program on Improved Forest Products Utilization in Latin America, U.S. Forest Service, A. Freas, B. Kukachka, and E. Sendt, August 1965. PB-206 802
9. The AID Research Program 1962-1971: Project Objectives and Results, Agency for International Development, March 1971. PB-206 536
10. Agricultural Equipment Development Research for Tropical Rice Cultivation, Semiannual Progress Reports 10-13, The International Rice Research Institute, Los Banos, Laguna, Philippines, 1970, 1971.

Central Treaty Organization Reports

1. CENTO Symposium on Scientific and Industrial Research, Central Treaty Organization, November 1964. PB-206 756
2. CENTO Seminar on Field Techniques for Mineral Investigations, Central Treaty Organization, 1965.
3. CENTO Symposium on Mine Health and Safety, Central Treaty Organization, 1966.
4. CENTO Traveling Seminar on Farm Tools and Implements, Central Treaty Organization, November 1966. PB-206 776
5. CENTO Conference on Engineering Education, Central Treaty Organization, November 1966. PB-206 541
6. CENTO Symposium on Hydrology and Water Resources, Central Treaty Organization, February 1966. PB-206 539
7. CENTO Conference on Earthquake Hazard Minimization, Central Treaty Organization, 1968.
8. CENTO Symposium on Development and Utilization of Mineral Resources, Central Treaty Organization, 1968.
9. CENTO Conference on Industrial Vocational Education, Central Treaty Organization, June 1968. PB-206 700
10. CENTO Seminar on Evaluation of Water Resources with Scarce Data, Central Treaty Organization, March 1969. PB 206 701
11. Decade of Development: Compendium of United States-Sponsored CENTO Economic Publications: 1959-1969, Central Treaty Organization, 1970. PB 206 548

G. Other A.I.D.-Supported Reports

(a) Infrastructure for Science and Technology

1. United States Papers Prepared for the United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas. 12 volumes, 1962

Volume I Natural Resources: Energy and Water.
PB-207 495

Volume II Natural Resources: Minerals and Mining

Volume III Agriculture. PB-207 496

Volume IV Industrial Development. PB-207 497

Volume V Transportation. PB-207 498

Volume VI Health and Nutrition. PB-207 499

Volume VII Social Problems of Development and Urbanization.
PB-207 500

Volume VIII Organization, Planning and Programming for
Economic Development. PB-207 501

Volume IX Scientific and Technological Policy, Planning,
and Organization. PB-207 502

Volume X International Cooperation and Problems of
Transfer and Adaptation. PB-207 503

Volume XI Human Resources. PB-207 504

Volume XII Communications. PB-207 505

2. Report of Management Training Specialists Team, Brazil, Council for International Progress in Management (USA), Inc., December 1964, PB-207 534

3. Report on Survey of Brazil Concerning the Need for Industrial Development Training, Council for International Progress in Management (USA), Inc., John Brown and Charles Stewart, Jr., October 1964. PB-206 903

4. A Study of Selected Laboratories and Departments of the Council of Scientific and Industrial Research, Government of India, Battelle Memorial Institute, D. Evans et al, July 1965. PB-206 699
5. Final Report, Afghan Institute of Technology, Daniel, Mann, Johnson, & Mendenhall, Los Angeles, CA., September 1968.
6. A Report to the Agency for International Development on a Visit to Korea by a National Bureau of Standards Team Under AID Sponsorship, National Bureau of Standards Report 9811, March 1968. PB-207 392
7. Preparation and Appraisal of Transport Projects, Office of Technical Assistance, U.S. Department of Transportation, June 1968.
8. Manual on Book and Library Activities in Developing Countries, State University of New York, S. Barnett and R. Piggford, June 1969. PB-206 540
9. Report on Science and Education Improvement Project, India, National Science Foundation, 1970. PB-207 400
10. Report on Battelle's Assistance to the Korea Institute of Science and Technology, 1966-1971, Battelle Memorial Institute, June 1971. PB-207 282
11. Final Report on Beginning Science Curriculum for English Speaking Tropical Africa (African Primary Science Program), Education Development Center, December 1971. PB-207 628
12. A Comparison Study for Evaluating Primary School Science in Africa, Education Development Center, Eleanor R. Duckworth, October 1971. PB-207 625

(b) Industrial Technology

1. An Industrial Park Development Program for Central America, Stanford Research Institute, Keith Duke et al, November 1964. PB-206 904
2. Proceedings of a Stanford Conference on a Joint University-Industry Program to Assist in the Industrial Development of Latin America, Institute for Engineering-Economics Systems, Stanford University, April 1964. PB-206 888

3. Project Colorado, Feasibility Studies and Preliminary Designs for Selected Industries in Bahia State, Brazil, Colorado State University and University of Bahia, August 1964. PB-206 913
4. Report on Small Industry Programs in Turkey, Small Business Administration, Washington, D. C., Ross Davis, February 1965. PB-206 967
5. Five Industries for the Central African Republic, Continental-Allied Co., Inc., Washington, D. C., November 1965. PB-206 775
6. Central African Industrial Coordination Survey, Checchi and Company, Washington, D. C., July 1965. PB-206 968
7. Feasibility of Ipecac Extraction Plant, H. B. Maynard and Company, Pittsburgh, Pa., Eugene Payne, April 1966. PB-207 132
8. Cooperative Effort in Industrial Development, Nepal, C. W. Robinson & Co., Inc., New York, N. Y. December 1966. PB-206 803
9. Feasibility Study of an Expanded Leather and Shoe Industry in West Africa to 1980, Battelle Memorial Institute, Konrad Biedermann, July 1966. PB-206 970
10. Prefeasibility Study of an Expanded Paint Products Industry in West Africa to 1980, Battelle Memorial Institute, Harry Barr, July 1966. PB-206 971
11. Report of Private Investment Survey Team, Brazil, Council for International Progress in Management (USA), Inc., December 1967. PB-206 973
12. Pre-Investment Study, Meat Packing Industry for Entente Guaranty Fund, Thomas Miner & Associates, Inc., Chicago, Illinois, November 1967. PB-206 972
13. A Manual on Water Desalination: Technology; Kaiser Engineers, April 1967. PB-206 549
14. A Manual on Water Desalination: Economics; Kaiser Engineers, April 1967. PB-206 550

15. Performance and Economics of Use of Small Equipment in Tropical Monsoon Countries: The Case of the Philippines, The International Rice Research Institute, Los Banos, Philippines, Stanley Johnson, April 1968. PB-206 806
16. Seed Processing and Handling, Seed Technology Laboratory, Mississippi State University, January 1968. PB-206 805
17. The Continued Development and Field Evaluation of the AID Hand Operated Water Pump; Battelle Memorial Institute, R. D. Fannon, Jr. and D. W. Frink, August 1970. PB-196 340
18. Village Technology Handbook, Volunteers for International Technical Assistance, Inc., May 1970. PB-207 491
19. Opportunities for Cost Reduction in the Design of Transport Facilities for Developing Regions, Institute of Transportation and Traffic Engineering, University of California, 1970. PB-207-520
20. Rural Industrial Technical Assistance (RITA), The Federal University of Rio Grande Do Norte, Brazil and Utah State University, July 1971. PB-207 626
21. Cooperative Housing, Office of International Affairs, Department of Housing and Urban Development, July 1971. PB-206 514
22. Planning Sites and Services Programs, Office of International Affairs, Department of Housing and Urban Development, July 1971. PB-207 619
23. Proposed Minimum Standards for Permanent Low-Cost Housing and for the Improvement of Existing Sub-standard Areas, Office of International Affairs, Department of Housing and Urban Development, May 1966. PB-179 370
24. Industrialized Housing: The Opportunity and the Problem in Developing Areas, Office of International Affairs, Department of Housing and Urban Development, January 1972. PB-206 851

(c) Natural Resources Planning and Management

1. Report on Potential Growth of Aquatic Plants of the Lower Mekong River Basin, Laos-Thailand, Corps of Engineers, Mark Nelson et al, February 1970. PB-207 613
2. Production of Cadastral Maps: Land Reform in Vietnam, Engineer Agency for Resources Inventories, September 1971.
3. National Resources-Cadastral Inventory, Nicaraguan Pilot Project, Inter-American Geodetic Survey, Canal Zone, March 1966. PB-207 385
4. Bibliography of Reports Resulting from U. S. Geological Survey Participation in the United States Technical Assistance Program, 1940-1967, Geological Survey Bulletin 1263, 1968.
5. Pa Mong Stage One Feasibility Report, U. S. Bureau of Reclamation, 1970. PB-207 603
6. Pa Mong Stage One Feasibility Report, Appendix I, Land Resources, U. S. Bureau of Reclamation, 1970. PB-207 604
7. The Social Feasibility of Pa Mong Irrigation, Requirements and Realities, U. S. Bureau of Reclamation, July 1969.
8. Pa Mong Stage One Feasibility Report, Appendix III, Hydrology and Climatology, U. S. Bureau of Reclamation, 1970. PB-207 605
9. Pa Mong Stage One Feasibility Report, Appendix IV, Geology, Volume I, U. S. Bureau of Reclamation. 1970. PB-207 606
10. Pa Mong Stage One Feasibility Report, Appendix IV, Geology, Volume II, Part 1, U. S. Bureau of Reclamation, 1970. PB-207 607
11. Pa Mong Stage One Feasibility Report, Appendix IV, Geology, Volume II, Part 2, U. S. Bureau of Reclamation, 1970. PB-207 608

12. Pa Mong Stage One Feasibility Report, Appendix V, Plans and Estimates, Volume I, U. S. Bureau of Reclamation, 1970. PB-207 609
13. Pa Mong Stage One Feasibility Report, Appendix V, Plans and Estimates, Volume II, U. S. Bureau of Reclamation, 1970. PB-207 610
14. Pa Mong Stage One Feasibility Report, Appendix VI, Economic, Agricultural, Social and Financial Analysis, U. S. Bureau of Reclamation, 1970. PB-207 611
15. Pa Mong Stage One Feasibility Report, Appendix VII, Corollary Studies, U. S. Bureau of Reclamation, 1970. PB-207 612
16. Engineering Study of Laterite and Lateritic Soils in Connection with Construction of Roads, Highways, and Airfields, Phase I - Southeast Asia (Thailand), Soil and Pavement Consultants of Southeast Asia, June 1969. PB-207 399
17. Laterite and Lateritic Soils and Other Problem Soils of Africa, Lyon Associates, Inc., June 1971.
18. Usage Manual for Sampling and Testing Laterite and Lateritic Soils and Other Problem Soils of Africa, Lyon Associates, Inc., June 1971. PB-207 618

The publications listed can be acquired at nominal cost by ordering directly from the National Technical Information Service (NTIS), U. S. Department of Commerce, Springfield, Va. 22151. The use of the order number, along with the report title, will ensure faster and more accurate service. Because the cost of NTIS publications varies (many are \$3.00), a preliminary inquiry may be necessary to ascertain the cost of a particular document. Payment may be made by check, money order, or through an NTIS deposit account.

VI. SELECTED REPORTS OF INTERNATIONAL AND REGIONAL ORGANIZATIONS

A. Organization for Economic Cooperation and Development (OECD)

1. Catalog of Social and Economic Development Institutes, Development Center, OECD, Paris 1970
2. Science, Growth and Society, A New Perspective, OECD, Paris 1971
3. The Conditions for Success in Technological Innovation, OECD, Paris 1971
4. The Transfer of Technology, OECD, Paris 1971
5. Development Assistance: Efforts and Policies of the Members of the Development Assistance Committee, OECD, Paris 1971
6. The Problems of the Least-Developed Countries, Development Assistance Committee Report DAC/BA(71)9 Revision 1 and Annexes, OECD, Paris 1971
7. Report on the Informal Meetings on Least-Developed Countries, Development Assistance Committee, OECD, Paris 1972
8. Evaluating Development Assistance: Problems of Method and Organization, OECD, Paris 1972

B. United Nations Educational, Scientific and Cultural Organization (UNESCO)

1. National Science Policies in Countries of South and South-East Asia, UNESCO, Paris 1965
2. Guidelines for the Application of Science and Technology to Latin American Development, Final Report of the Conference on the Application of Science and Technology in the Development of Latin America, Organized by UNESCO with the Cooperation of the Economic Commission for Latin America, Santiago, Chile, 13-22 September 1965, UNESCO, Paris, 1966
3. Structural and Operational Schemes of National Science Policy, UNESCO, Paris 1967

4. Science and Technology in Asian Development, Conference on the Application of Science and Technology to Development of Asia, New Delhi, August 1968, UNESCO, Paris 1968
5. World Directory of National Science Policy-Making Bodies: Volume 2, Asia and Oceania, UNESCO, Paris 1968
6. World Directory of National Science Policy-Making Bodies: Volume 3, Latin America, UNESCO, Paris 1968
7. Research Facilities in Science and Technology in Asia: A Preliminary Survey, UNESCO, Paris 1968
8. The Promotion of Scientific Activities in Tropical Africa, UNESCO, Paris 1969
9. Bilateral Institutional Links in Science and Technology, UNESCO, Paris 1969
10. Manual for Surveying National Scientific and Technological Potential, UNESCO, Paris 1969
11. The Measurement of Scientific and Technological Activities, UNESCO, Paris 1969
12. World Summary of Statistics on Science and Technology, UNESCO, Paris 1970
13. The Role of Science and Technology in Economic Development, UNESCO, Paris 1970
14. Science for Development: An Essay on the Origin and Organization of National Science Policies, UNESCO, Paris 1971
15. A Report of the Regional Symposium on the Utilization of Science and Technology for Development in Africa, Addis-Ababa, 5-16 October 1970, Organized Jointly by the Economic Commission for Africa and UNESCO, UNESCO Field Science Office for Africa, Nairobi, Kenya, 1971
16. Survey on the Scientific and Technical Potential of the Countries of Africa, UNESCO Field Science Office, Nairobi, Kenya, 1972

C. United Nations (UN)

1. UN Conference on the Application of Science and Technology for the Benefit of Less Developed Areas, Geneva, 4-20 February 1963, UN, New York 1963

2. Natural Resources of Developing Countries: Investigation, Development and National Utilization, Department of Economic and Social Affairs, UN, New York 1970
3. World Plan of Action for the Application of Science and Technology to Development, Department of Economic and Social Affairs, UN, New York 1971
4. Development and Environment: Report Submitted by a Panel of Experts Convened by the Secretary-General of the UN Conference on the Human Environment, Founex, Switzerland 4-12 June 1971

D. United Nations Industrial Development Organization (UNIDO)

1. UNIDO Monographs on Industrial Development. UN, New York 1969 - 1972
 1. Non-ferrous metals industry
 2. Construction industry
 3. Building materials industry
 4. Engineering industry
 5. Iron and steel industry
 6. Fertilizer industry
 7. Textile industry
 8. Chemical industry
 9. Food processing industry
 10. Industrial research
 11. Small-scale industry
 12. Standardization
 13. Industrial information
 14. Manpower for industry
 15. Administrative machinery

16. Domestic and external financing
 17. Industrial planning
 18. Regional cooperation in industry
 19. Promotion of export oriented industries
 20. General issues of industrial policy
 21. Technical cooperation in industry
2. Summaries of the Industrial Development Plans of thirty Countries, UNIDO, UN, New York 1970
 3. UNIDO Documents List, UN, New York 1970
 4. UNIDO Industrial Development Abstracts, Numbers 1-6, UN, New York 1971
 5. World Association of Industrial and Technological Research Organizations (WAITRO): Report of the Founding Meeting, Vienna 28-30 October 1970, UNIDO, UN, New York 1971
 6. Manual on the Establishment of Industrial Joint-Venture Agreements in Developing Countries, UNIDO, UN, New York 1971
 7. Industrial Research Institutes: Guidelines for Evaluation, UNIDO, UN, New York 1971
- E. Food and Agriculture Organization (FAO)
1. Provisional Indicative World Plan for Agricultural Development: A Synthesis and Analysis of Factors Relevant to World, Regional and National Agricultural Development, 2 volumes, FAO, Rome 1970
 2. Development: A Bibliography, FAO, Rome 1970
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