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## ABSTRACT

The need for familiarity with media and materials other than periodicals and books is particularly urgent in the fields of science and technology. As part of the course requirement for Resources in Science and Technology at Drexel, each student found and annotated five non-book source materials pertinent to this field. These sources were then edited and organized into the alphabetic list contained in this document. Preceding the annotations are subject and medium indexes. The indexes are broken down in the following manner: (1) Subject: biology, chemistry, computers, engineering, films, general, geology, instrumentation, medicine, oceanography, physics, realia; and, (2) Medium: audiocassette, audiotape, bibliography, film cartridge, film clip, films (general), films (8mm), films (16mm), films (35mm), journals, maps, microforms, motion cartridges, overhead transparencies, slides, videotape. It is hoped that this compilation will prove useful to students and practitioners in college libraries, public libraries, special libraries, and technical information centers. (Authors/SJ)

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Sources of Scientific and Technical Media

compiled by students enrolled in the course

Resources in Science and Technology

1972-1973

edited by

Barbara Flood and Kathleen Rawson

Drexel University

004 517

### Introduction:

The need for familiarity with media and materials other than periodicals and books is particularly urgent in the fields of science and technology. As part of the course requirement for Resources in Science and Technology, each student found and annotated five non-book source materials pertinent to this field. These sources were then edited and organized into the alphabetic list on the following pages.

Following the annotations are subject and medium indexes. The indexes are broken down in the following manner:

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biology  
chemistry  
computers  
engineering  
films  
general  
geology  
instrumentation  
medicine  
oceanography  
physics  
realia

#### Medium

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audiotape  
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film clip  
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films--35mm  
journals  
maps  
microforms  
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overhead transparencies  
slides  
videotape

It is hoped that this compilation will prove useful to students and practitioners in college libraries, public libraries, special libraries, and technical information centers.

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Access. v. 1, 1969 - E. Grey Dimond, M.D., Editor-in-Chief.  
Published by the American College of Cardiology, Extended  
Study Services, Bethesda, Maryland. \$6.00 each.

An audiotape journal in cardiology.

Aerospace Materials Buyers Guide. Valve Engineering  
Publ. Inc., Bel-Air, Los Angeles, Calif.

Contains alphabetical listings of more than 600 companies.  
Listings are divided into four areas. 1-Types of products.  
Helpful in locating more than 275 materials process and  
equipment items. 2-Geographical location. Easy location  
of supply sources within specific areas (states). Entries  
by company arranged alphabetically stating names and addresses  
3-Company. Company entries are alphabetical also with codes  
to designate type of product each of its divisions produces.  
4-Subject section entries include notation of companies which  
produce equipment listed.

AMA Medical-Health Film Library 1970. American Medical  
Association, 535 N. Dearborn, Chicago, Ill. 60610

16mm films in categories--for MDs, medical students, etc.  
Available on loan to medical societies and their auxiliaries,  
medical schools, hospitals, and other professional medical  
groups. Not usable on TV; no entrance charges allowed.  
No previews; no purchases allowed. Service charge made  
for most films.

American Chemical Society. Laboratory Guide to Instruments,  
Equipment, and Chemicals. Washington, ACS. Annually.

Divided into seven major sections. Primarily for sci-  
entists and purchasing agents. Advertises products and  
services of a chemical and biochemical nature. Lists  
laboratory supply houses in the United States. Also  
contains a bibliography of new books listed or reviewed  
in ACS journals in a 12-month period.

ASHREA-Heating, Refrigerating and Air-Conditioning Journal.  
New York: American Society of Heating, Refrigerating  
and Air Conditioning.

Reviews recent innovations and equipment developments  
in the applied engineering field; Summeries of important  
applications.

Audio/Erandon 16mm Collections of International Cinema.

Includes over 900 features, 600 shorts from silent to  
the sound era. Includes the earliest classics to the  
best of today's cinema. Detail of each includes country  
of origination, title, year, black/white or color, rental  
prices, length in time, director, producer, stars, brief  
description of the movie, brief note about the director,  
a review of the film or short, and one or two shots from  
scenes.

Audio-Digest Foundation. 1250 S. Glendale Ave., Glendale, Calif. 91205.

Cassette tapes on various medical subjects designed to keep doctors up-to-date in a variety of fields: anesthesiology, general medicine, ob/gyn, ophthalmology, pediatrics, surgery, etc. Material gathered from major medical meetings from papers, panels, symposia, etc. Issues semi-annual subject index and supplements to catalog.

Audio-Visual Equipment Directory.

A guide to current models of Audio-Visual Equipment put out by National Audio-Visual Association, Inc. Supplies all pertinent information about the audio-visual equipment such as model numbers, prices, weights, dimensions, accessories (if any), notes, and any other pertinent information about the particular price of equipment.

Audio-Visual Equipment Manual. by James D. Finn, Dryden Press, New York.

Includes specific projectors for films, stills, record players, tape recordings, etc., with methods of operation and general techniques.

Audiovisual Market Place; a Multi-media Guide. New York, R. R. Bowker Co., 1972.

General guide to the A-V industry. Lists sources of A-V hardware and software and services available from different companies. Classifications are by producers and distributors, associations, educational media, and services offered.

Audiovisual Materials. by Wittich, Arno Walter and Schuller, Charles Francis. New York: Harper and Row, 4th ed., 1967.

Thorough discussion of various types of A-V materials, in particular those suitable for classroom use. Explains what they are, how they operate, how they can be used, and how well they work. Included are films, still-projection materials, 3-D materials, multimedia presentations, equipment, and programmed instruction. The appendix is a subject listing of sources for the various A-V materials.

Audiovisual Resources for Teaching Instructional Technology: An Annotated List of Materials. Syracuse University, 1971.

How-to materials on technology of audiovisual media with many types of media represented in the catalog. Entries annotated.

Audio Visual Source Directory for Services and Products. Motion Picture Enterprises Publications, Inc. Published Semi-annually.

A pamphlet indexed by table of contents, not by advertisers. Has sections on scientific instruments, motion picture and slide film libraries, maps and globes, and learning laboratories.

Autopsy Dissection Technique: A Cinematographic Atlas. 111 film cartridges, 1968-1971.

Presented by Montefiore Hospital and Medical Center on a grant from the National Center for Health Services Research and Development.

Aviation Week and Space Technology. Hightstown, New Jersey: McGraw-Hill, Inc.

Discusses equipment, innovations and applications in the field of space technology. Contains advertisements for new equipment in the field.

AV Trade Directory. National Audio-Visual Association, Inc. 3150 Spring Street, Fairfax, Va. 20030. Rev. annually.

Listing of dealers and manufacturers in the U.S. and Canada who are members of NAVA. Booklet indicates by code the exact type of sales, service, film distribution and equipment rental available from each dealer with addresses and telephone numbers for quick reference.

BEA Educational Media 16mm Film Catalog. Santa Monica: A division of Columbia Broadcasting System, Inc.

Pages 49 through 73 are devoted to science, and pages 38 through are devoted to mathematics. The annotations contain a brief statement about the contents of the films, running time, rental rate, cost, color or black/white.

BFA Educational Media. 16mm films. 211 Michigan Ave., Santa Monica, Calif. 90404

Twenty-four pages of annotated entries on science. Arranged by subject with title index.

Biological Materials Catalog. Carolina Biological Supply Co. Burlington, N.C.

Advertises products and services of a biological nature. Included are ads for films, chemicals, slide strips, viral cultures, and living zoological and botanical materials.

Biomedical Computer Programs. W. J. Dixon, ed. Berkeley: University of California Press, 1968.

Provides programs in "package" form for the commonly required tasks of data processing and statistical analysis. Examples include description and tabulation of data, multivariate analysis, regression analysis, and variance analysis.

Calcomp Software Reference Manual. California Computer Products, Inc. Anaheim Calif. Computer Products, Inc. 1968.

Describes standard functions of basic software for the Calcomp digital incremental plotter and internal operation of Calcomp hardware and software. Suggests ways the user can upgrade his own system. Gives abstracts of function subroutines that can be added to user's program library including biomedical, university, seismographic, oceanographic, construction, molecular, and data reduction routines.

Catalog of Motion Pictures and Filmstrips for Sale by the U.S. National Audiovisual Center. Washington, General Services Administration, 1969.

Organized by subdivisions of main subjects. Films are listed alphabetically by topics, annotated, and described (length, sound/silent, b&w/color). Price, order numbers and producing agency are listed for ease in ordering. Filmstrips are listed separately.

Catalog of Research Reagents. U. S. National Institute of Allergy and Infectious Diseases. Bethesda, Md., NIH, 1968.

"...an up-to-date listing of all reagents generally available to research investigators from the Research Reference Reagents Branch...As reagents are released for distribution, other catalog pages of reagents may be issued and mailed to the recipients of this catalog."

Catalog of U.S. Coast & Geodetic Survey. Washington, Gov't Printing Office, 1940. 24-31 cm.

Contains nautical charts, coast pilots, and tide tables from the U.S. Coast & Geodetic Survey.

Catalog of Surveyor 1 Television Pictures. U.S. Geological Survey. Center of Astrogeology. Washington, U.S. National Space Science Data Center, 1968. 37cm.

A catalog of photographs taken by the Surveyor 1 satellite.

Cassette Tapes. Center for Cassette Studies, c/o University Microfilms, 300 North Zeeb Road, Ann Arbor, Michigan 48106.

In the area of science most of the items offered are concerned with a study of famous persons in the scientific field. Catalog cards are available.

CCM Films Catalog. 1971-72. 16mm. films. 866 Third Avenue, New York, New York 10022.

General subject coverage with ten pages of annotated entries on science. Subject arrangement with title and price index.

CDC Teaching Aids Library. National Communicable Disease Center  
Health Professions Branch. Atlanta, Georgia 30333

Available to medical schools across the country. Consists of a series of volumes each containing several types of teaching aids pertaining to a single infectious disease. Each volume has a number of slides, an annotated list of films pertinent to the particular disease which are available for loan, and several short film clips showing clinical characteristics of diseases in which motion is important in diagnosis.

Chemical Engineering Catalog. 55th Edition, Reinhold Publishing Corp., 1970.

Includes an index to supply companies as well as an index for use in obtaining equipment and materials. Index of trade names precedes section in which current catalogs are bound.

Chemical Week--1973 Buyers' Guide Issue, New York, New York.

Lists chemical, raw materials and specialties, packaging, shipping, and bulk containers. Includes company directory and tradenames, detailed explanation of contents and arrangement, lists of suppliers, technical data, formulas, use of chemicals, descriptions of complete product lines, trade names section, and advertisements. Every product listed is for sale to industry.

Clay-Adams. 141 E. 25th Street, New York, New York 10010.

Publishes a catalog and price list for slides, specimens, models, and equipment in the medical field.

Collected Algorithms from CACM. Association for Computing Machinery, Inc. New York, ACM, 1972.

A collation of all algorithms, including certifications and remarks that have appeared in the Algorithm Department of Communications of the ACM since the inception of the department in 1960. Covers wide variety of subjects, including solution of systems of linear equations, estimation of definite integrals, and sorting of data. Most are written in ALGOL or FORTRAN. Includes cumulative index for 1960-71.

Color Slide Sets for Creative Teaching. Educational Images, Lyon Fall, New York. 1970.

Covers the fields of ecology, botany, geology, and industry.

COMPUTER: The Voice of the Computer Design Professional. ISEE Society. Monthly.

This journal gives information on computer systems. Each issue contains about half a dozen articles by authorities as well as regular "new products," "new applications," and "product profiles" columns. Also information on further guides to computer programs and equipment. An index to advertisers is included.

Computer Program Abstracts. National Aeronautics and Space Administration. Washington, D.C.: U.S. Government Printing Office.

Indexed abstract journal listing documented computer programs developed by or for NASA, the Department of Defense, the U.S. Atomic Energy Commission. Available for sale through NASA-sponsored Regional Dissemination Centers and the Computer Software Management and Information Center (COSMIC). Annually with monthly supplements.

Computer Programs for Chemistry. 2 vols. W. A. Benjamin, Inc. New York, New York. 1968.

Contains a wide range of programs for chemists involved in special research problems.

Computer Programs for Plastics Engineers. E. Klein, ed., Reinhold Book Corp., New York, N.Y.

Contains lists of computer programs for engineers involved in plastics research.

Computer Software. Cambridge Communications Corp., 1968.

A collection of over 4,000 abstracts on programming, programs, algorithms and simulations. Entries include full bibliographic information including prices. Descriptive abstracts are given describing the contents of the full abstract.

Computer Yearbook and Directory. Frank H. Gille, ed. Detroit: American Data Processing, Inc., 1968.

First part of book is collection of articles. Beginning on p. 438 is a directory of book publishers, associations with an interest in data processing, computer users' organizations, audio-visual aids, computer manufacturers, data processing products and services, insurance companies data processing usage, 1967 bank automation directory, computer trends and specifications, university computer centers, list of data processing abbreviations. Section on A-V gives computer slides and films available from sources as well as annotations on them.

Computers in Medicine: Bibliography. Arch Turner and Dean Schmidt, eds. Columbia, Missouri, University of Missouri School of Medicine, 1966.

Computer-produced bibliography containing KWIC index and a bibliography section, arranged alphabetically by author.

COSMIC. Barrow Hall. University of Georgia, Athens, Georgia 30601.

COSMIC=Computer software management and information center. The COSMIC Center offers a variety of computer programs ranging from those handling data with widely used statistical procedures to the custom treatment of data generated by complex chemistry procedures.

Data Processing Systems Encyclopedia. American Data Processing, Detroit, Michigan, 1967.

Divided into three main sections: 1. Computer SPEC's -- corporations listed alphabetically with charts detailing its model's processor, internal storage, disc and drum storage, magnetic tape Input/Output controlcard reader and punch, visual display, etc.; 2. Discussion of software developments and recent trends in progress; 3. Computers and computer systems listed alphabetically, with page number indicated. Indicates general characteristics, components, registers, memory, etc.

Developing Multi-Media Libraries. Warren B. Hicks. New York: R. R. Bowker Company, 1970.

Concise information about the development and maintenance of a multi-media library. Several chapters are devoted to resources and selection of non-print media. Included are lists of resources for material, e.g., filmstrips, models, equipment, movies, audio-cassettes, and resources for free material. Offers a comprehensive approach to the creation of a multi-media center.

Directory of Computerized Information in Science and Technology. Ed. by Leonard C Chen. Science Associates International, Inc., 1968.

Gives source and subject access to data in machine readable form.

Directory of Films for Data Education. Society of Data Educators. Northfield, Vermont: Society of Data Educators, 1972.

A directory of films covering the field of data education. Alphabetical title entries give description of film, year published, color code, rental cost, time, and source library for rental.

Directory of Geoscience Films. American Geological Institute. Washington: American Geological Institute, 1962.

A listing of films about geology, the geological aspects of petroleum production, mining, conservation of natural resources, map reading, weather, climate, oceanography and astronomy. Films are listed alphabetically by title and include in each entry a summary. Grade level of materials is indicated. Subject, film sources, and distributor indexes.

Directory of International Medical Material Collection Programs. AMA Dept. of Health Care Services, 2nd ed. Chicago, 1967.

"...contains detailed information about U.S. based agencies that collect used or surplus medical goods for overseas distribution in support of medical assistance programs. Included are organizational structures, programs, key personnel and instructions for the doctor and the recipient."



Eastman Organic Chemicals Catalog and Price List. Distillation Products Industries, Eastman Organic Chemicals Dept. Rochester, New York 14603.

Deals specifically with supplies and equipment in the field of organic chemistry.

Educational Media Index, 11: Science and Engineering. Educational Media Council. New York, McGraw-Hill, 1964.

Includes films, recordings, television programs, and "other new forms" of media. Entries are divided by specific disciplines, then listed alphabetically within the disciplines.

Educators' Guide to Free Films. Educators Progress Service. Randolph, Wisconsin 53956.

Covers business-sponsored instructional films and films from other sources. New edition annually.

Educators Guide to Free Filmstrips. ed. by Mary Foley Horkheimer and John C. Differ. 24th ed. Randolph, Wisconsin, Educator's Progress Service, annually.

Includes science study and teaching, films, filmstrips, slides, transparencies, tapes, scripts, transcriptions, charts, exhibits, magazines and posters with sources and availability of each type. Lists free material.

Educators Guide to Free Science Materials. Ed. by Mary H. Saterstrom. 13th ed. Randolph, Wisconsin, Educators Progress Service, 1972.

Multimedia guide including films, filmstrips, slides, tapes, exhibits, etc. Material divided by form and then by subject. Entries annotated. Principally grade school level.

Educators guide to free tapes, scripts, and transcriptions. Ed. by Walter A. Wiltech and Raymond H. Suttles. 19th ed. Randolph, Wisconsin, Educators Progress Service, 1972.

Material noted in title is divided by subject, science and non-science together. Entries annotated.

Educator's Purchasing Master. ed. David Hessler. Englewood Cliffs, 1971.

V. 1 Instructional materials. Includes product director, catalog information section, dealer & distributor directory, publisher & producer directory, trade name directory. Separation according to subject including science and technology.

V. 2 Instructional equipment. Includes same type of information for scientific equipment.



EIN Software Catalog. (Educational Information Network).

Makes computer programs available to members of the Network.

Electro Technology for Senior Electronic Design Engineers.  
Beverly Shores, Ind.: Industrial Research, Inc.

Reviews and summarized equipment applications and recent developments in the field.

Environmental Information Center.

Services include new literature alerts, literature searches, document retrieval, bibliographies, media monitoring, state of the art reviews, and the establishment of inhouse environmental information centers.

Environmental Science and Technology. Washington, D.C.: American Chemical Society.

Contains articles dealing with concerns in the field, as well as new practices and equipment. Many advertisements for the latter.

The Environment Film Review. A Critical Guide to Ecology Films. Published annually by Environmental Information Center, Inc. Film Reference Dept. 124 E. 39th St., New York, N.Y. 10016.

Lists almost ninety-five film distributors who supply films on air pollution, chemistry and biological contamination.

EPM Educator's Purchasing Master. Englewood, Colorado: Fisher Publication Company, 1971.

This is a two volume authoritative and systematic service identifying instructional materials and equipments used primarily by educational institutions and associating them with their respective manufacturers, producers or publishers.

Exhibit Panels on Geology, Hydrology, Topography. Exhibits Office, Geological Survey, Washington, D.C. 20242.

Over 200 exhibit panels illustrating recent work in geology, hydrology, and topography. Can be obtained with structural supports and lighting for free-stand display. Available on loan for professional society meetings, technical conventions, etc.

Feature Films on 8mm and 16mm; a Directory of Feature Films Available for Rental, Sale and Lease in the U.S. James L. Limbacher.

Coverage of films includes an alphabetical work-by-work listing of films, addresses of film companies and distributors, film companies and distributors by areas and an index of directors.

Film Guide on Reproduction and Development. National Institute of Child Health and Human Development.

Films selected for undergraduate through professional graduate education. Each film reviewed in detail as to content, use in teaching, and references to literature as well as availability of film.

Film Reference Guide for Medicine and Allied Sciences, U.S. Dept. of Health, Education and Welfare. Federal Advisory Council on Medical Training Aids.

Arranged by title with subject index. For each film includes producer, length, brief annotation and distributor. Annually.

Film Review Index. (A-V Associates).

An exhaustive index to critical reviews and evaluation of 16mm educational and informational motion picture films. Issued annually.

Film Utilization Guides. Moody Institute of Science, Educational Film Division, 12000 E. Washington Blvd., Whittier, Calif. 90606.

Includes 1972 Film and Filmstrip Catalog, with films on mathematics, social studies, and science, including 3 science films in Spanish. Graded: elementary-college. Utilization guides for each film give objectives, summary, usage of the film, subject areas, time, grade level, price.

Films for the Asking -- Health Film Catalog of the Pennsylvania Department of Health. Division of Public Health Education, Film Library, P.O. Box 90, Harrisburg, Pa., 17120.

Free films to any group in Pennsylvania; some films restricted to specific groups on basis of appropriateness of content. Not for home or commercial use. Also includes some filmstrips.

Films for Universities. British University Film Council. London, 1968.

Listings, mostly in pure and applied science, of films recommended by university teachers for coursework. Indicates gauge (16mm-35mm), color or black and white, sound or silent, distributor, producing company, director, producer, narrator, running time, whether for free, hire, sale or special loan. Short synopsis of content. Title index, list of distributors, list of member institutions.

Films from Pennsylvania Libraries. Pennsylvania Statewide Film Program. 6th ed., 1971.

Annotated listing by title with a subject index. Included color, level, running time, year, rules for borrowers.

Films in the Behavioral Sciences; an Annotated Catalogue.

John M. Schneider, Barnett Addis, and Marsha Addis. 2nd ed.  
Oklahoma City, University of Oklahoma Medical Center, 1970.

16mm films classified by content, and under alphabetical title listing, non-evaluative description of content, date and availability.

Films on Oceanography. U.S. Naval Oceanographic Office.

Catalog of over 150 films pertaining to marine science. Available from G.P.O., \$1.00.

Films to Challenge You. Linda Hincks. Washington, D.C., The National Newman Apostolate, 1969.

Arranged by title with alphabetical and topical indexes, addresses of film distributors, and selected sources of visual aids. Annotations, with distributor, color, size, price.

For Better Understanding of Health: The Prescription Drug Industry's Motion Pictures. Pharmaceutical Manufacturers Association, 1411 K St., N.W., Washington, D.C. 20005.

Films on various aspects of health; includes a few on agriculture. All films may be borrowed free.

Geological Survey. Washington, D.C. 20242.

Geologic maps, mineral resource maps and charts, hydrologic investigations atlases, topographic maps of the U.S. Geologic maps of the moon; topographic maps of Antarctica. Published and sold by the Geological Survey.

Geological Survey Field Center. Federal Center, Denver, Colorado, 80225.

Over 125,000 photos of geologic and historic importance, indexed by geologic subject and geographic location. Copies available at cost from above address.

Geology and Earth Science Sourcebook for Elementary and Secondary Schools. American Geological Institute. New York: Holt, Rinehart and Winston, 1962.

For each topic covered in the book (paleontology, weathering, glaciation, etc.) there is an introduction, and suggestions for presentation; suggested problems and questions; a list of unsolved problems; possible demonstrations, projects, and experiments; a list of sources of teaching aids and references. The appendix lists sources of geology and earth science information; suppliers of teaching aids; films (alphabetically by title with physical descriptions, distributors, dates of publication and annotations), lists of references. Index. It contains lists of teaching aids, which include catalogs, films, filmstrips, models, specimens, etc., which make this book valuable. Directed to teachers of earth science and geology.

Guide to Computer Assisted Instruction in the Health Sciences.  
C. R. Brigham and Kenneth J. Cross. Department of Community  
Medicine, College of Medicine and Dentistry of New Jersey,  
Rutgers Medical School, Piscataway, N.J., and Office of  
Information Systems, University of California at San  
Francisco, California, 1972.

The arrangement of this book is basically by the subject  
of the Computer Assisted Instruction (called "Course.")  
and by the institutions offering the courses. The subject  
arrangement is in dictionary order, and to facilitate use,  
the book is indexed by individual institution, subject,  
and technology. The entries themselves are quite terse  
with no price information. The book contains a rather  
extensive bibliography.

Guide to Educational Recordings. Serina Press, 70 Kennedy St.,  
Alexandria, Va. 22305. \$2.95.

Descriptions of hundreds of recordings, audio tapes and  
cassettes.

Guide to Films about Ecology, Adaptation and Pollution. Serina  
Press, 70 Kennedy St., Alexandria, Va. 22305. \$3.95.

Contains synopses of 350 films on the above subject.

Guide to Free-Loan Training Films. Daniel Sprecher. Serina  
Press, Alexandria, Va., 1970.

Covers "how-to" films in all fields. Entries include anno-  
tations of content. Titles entered alphabetically by fields.

Guide to Instrumentation Literature. W. G. Brombacher, Julian F.  
Smith, and Lyman Van der Pyl. Washington, U.S. Govt. Printing  
Office, Dec. 15, 1955. U.S. Department of Commerce, National  
Bureau of Standards, Circular #567.

This compilation consists of an introduction, a source list of  
instrumentation literature, an author index, and a subject index.  
Covers fields of aeronautics, chemistry, computers, electricity,  
electronics, geophysics, mechanics, metallurgy, metrology, optics,  
radio, sound, heat, vacuum, vibration.

Guide to Microforms in Print. Washington, Microcard Editions.

Begun in 1961. An annual, cumulative guide to books, journals,  
and other materials which are available in microforms from U.S.  
publishers. Books are entered alphabetically by author and  
journals by title. Theses and dissertations are not included.  
Gives price, publisher, and states kind of microform in which  
title is available.

Guide to Scientific and Technical Periodicals. Ralph C. Martin, ed.,  
University of Oklahoma Research Institute, 1963.

Selected and annotated list of sci-tech magazines published in English. Table of contents directs user to desired subject category. Also 2 appendices. Entries arranged alphabetically and numbered consecutively.

Guides to Dissection. Anatomy Films in Sound, color, super 8mm produced by Teaching Films, Inc., a division of A-V Corporation, P.O. Box 66824, Houston, Texas 77006.

In seven parts: Upper Extremity, Abdomen, Pelvis and Perineum, Lower Extremity, Back, Thorax, Head and Neck.

Guides to Educational Media. Margaret Rufsvold and Carolyn Guss. 3rd ed., ALA, 1971.

Contains educational media catalogs and lists generally available. Entries contain all bibliographic information, availability, scope, arrangement, special features, and sometimes an author note. Also lists professional organizations in the educational media field. Lists periodicals in the educational media field. Entries contain an annotation of types of material covered and the bibliographic information.

Guides to Government Loan Filmstrips, Slides, and Audio Tapes. Serina Press, 70 Kennedy St., Alexandria, Va., 22305. \$2.95.

Lists 150 selected media presentations from 10 federal agencies.

Guides to Newer Educational Media. Margaret Rufsvold and Carolyn Guss. ALA, 1967.

Covers films, filmstrips, kinescopes, phonodiscs, phonotapes, programmed instruction materials, slides, transparencies, videotapes. A guide to catalogs and lists excluding trade catalogs, collection catalogs, foreign catalogs, and NICEM indexes.

Handbook of Data Processing for Libraries. Robert Hayes & Joseph Becker. N.Y., Wiley, 1970.

Appendix 3, pp. 829-875 gives an inventory of available data bases. Most of data is based on information as of 1967. Some up-dating to 1969.

Handbook of Resources for Physics Departments. American Institute of Physics, New York, 1969.

Gives descriptions of organizations, contains accreditation, audio-visual aides, career information, consulting, legislation, library resources, teaching aides, and more in area of physics.

The Harrison Tape Catalog. M. & N. Harrison Inc., 274 Madison Ave., New York 10016. Single copy sub. \$5/yr.

Classified and coded listings of 8-track cassettes and open-reel tapes. 24 issues/yr.

Health Science Television: A Review. Richard D. Judge and Michael T. Romano. Ann Arbor, Michigan: Edward Brothers, Inc., 1966.

This monograph is a collection of papers presented at the 7th Annual Meeting of the Council on Medical Television held May 17th - 19th, 1965, at the University of Michigan Medical Center. The papers cover the use of television in medical disciplines from dentistry to radiology and health science to undergraduate education. The technology of medical television is viewed historically from its inception to date with attention to new developments and future application.

Health Testing Instrumentation Guide. Bioscience Publications, Inc., 1971.

Reference source on available health testing instruction, equipment, services and systems. Annual guide. Divided into sections according to instrument category. Some systems are interrelated-scan all related areas. Wide spectrum of instrumentation, detailed descriptions given. Each product given number: number given to publisher, forwarded to manufacture for information. Manufacturer can be contacted directly. Complete index in back of catalog.

How to Locate Technical Information. Virginia Ashworth Steinberg.

Contains a listing of various reference books for different topics. Tells how to locate documents, publishers, books on how to write for a technical journal, dictionaries, encyclopedias, etc.

Hubbard Catalog of Instructional Media and Materials in the Earth Sciences.

Covers environmental studies, geography and general sciences. Includes film loops, slides, models, transparencies, books, globes, maps, charts, etc.

Human Sexuality series. Phonotape. Co-sponsored by Dept. of Psychiatry, School of Medicine, University of Pennsylvania and Talking Point, 1971.

Films include Psychosexual Development, Human Sexual Response, Contraception, Abortion and Venereal Disease, Sexual Concerns of College Students.

Index to Computer Assisted Instruction. ed. H. A. Lekan, Instructional Media Lab, University of Wisconsin, Milwaukee.

Listing of 910 computer-assisted instructional programs.

Index to Ecology. National Information Center for Educational Media. Los Angeles: University of Southern California, 1971.

A bibliographical guide to non-book media in the field of ecology using the NICEM data base. Three sections include subject guide to ecology, alphabetical title, guide, and directory of producers and distributors. Title entries include information on size and physical description of item, length, stock or color code, description of contents, series title, audience level, producer and distributor code, year of release, L.C. card number, broadcast qualify.

Index to Educational Audio Tapes. National Information Center for Educational Media. New York, R. R. Bowker Co., 1969.

Grades films from a pre-school to professional levels. Covers natural science, physical science, industrial arts, agriculture, etc.

Index to Educational Videotapes. National Information Center for Educational Media. University Park, Los Angeles: University of Southern California, 1971.

Social science, humanities, and science videotapes are included in this index which is divided into three parts: a subject guide, alphabetical guide to tapes, and a directory of producers and distributors. The age levels of the materials range from kindergarten through adult, in addition to materials for special education, religious, professional and industrial purposes. Size of tapes, duration, brief description, age level, producer, distributor and year of release is given in the main entry for each videotape.

Indiana. University Audio-Visual Center. Bloomington, Indiana 47401.

Films for rent or purchase in many subjects, including science. Publishes Cumulative Film Listing and Film Release Fact Sheets periodically.

Industrial Research Instruments Specifier Annual.

The main body of the "Instruments Specifier" consists of tables of specifications on 35 different areas of scientific instruments and two types of services. They are arranged alphabetically and contain data such as price, model, number, and significant specifications necessary to compare competitive types. Also included is a company directory; an alphabetical listing of all the firms that have instruments appearing in the tables. The company name is followed by its address, telephone number, and a contact number.



Information Office. Geological Survey, Washington, D.C., 20242.

16mm sound-color motion picture films dealing with geology, topographic mapping, and water resources. Organizations may borrow for showing at schools and colleges, professional and civic meetings, etc. Requests for information on educational loan use or purchase should be directed to above address.

Instructional Materials Film Catalog 1971-72.

A catalog of films available for loan from the library of the Bureau of Instructional Media Services, Pa. Dept. of Education. Subject arrangement with Table of Contents. No index. Ten pages of annotated entries on science.

Instruments and Control Systems Buyers' Guide. Pittsburgh, Instruments Publishing Co.

This guide appears annually as part 2 of the October issue of Instruments and Control Systems. Lists manufacturers of instrument components and accessions available for analysis, measurement, testing, inspection, computing and control. Product index and list of laboratory supply houses.

International Directory of Computer and Information System Services, 1969. Europa Limited, London, 1969.

Alphabetical listing of countries with sub-divisions of Brokers, Governmental Establishments, Universities and Colleges, etc. Gives firm's name, computer installation, services available, fields of application, contemplated equipment, etc. Ends with index of institutions.

Laboratory Animals: Animals for Research.

A directory of sources of laboratory animals, tissues and fluids, equipment, and materials. Contains listing for common domestic animals, sources for tissues, organs, and fluids. Suppliers of ancillary lab equipment, names and addresses of suppliers. Indexed by common animal name and scientific name. Published by Institute of Laboratory Animal Resources, Washington, D.C.

Laboratory Management "Gold Book".

This publication is an annual directory of biomedical products and service literature. Major categories of equipment listed are analytical instruments and accessories, animal and animal supplies, chemical and specialities, cryogenic equipment, data handling equipment, environmental equipment and supplies, labware, laboratory equipment, and supplies. A brief description of the nature of each is included.



## Landers Film Reviews.

A monthly publication featuring about 50-60 reviews of American and foreign films, short subjects, and documentaries, on many fields, including science.

Learning Directory 1970-71. Westinghouse Learning Corp., 100 Park Avenue, New York, N.Y. 10017. 1970.

Trade catalog data listing "multi-media kits."

Library Journal/School Library Journal. Previews. News and Reviews of Non-Print Media.

Contains full-length reviews of recent 16mm, 8mm films, by subject. Also reviews of filmstrips, slides, prints, kits, records. Indexes to reviews. Helpful guide for selection.

Library of Congress Catalog--Motion Pictures and Filmstrips; A cumulative list of works represented by Library of Congress printed cards. Washington: The Library of Congress. 1972.

Includes entries for all motion pictures and filmstrips (but not for microfilms) currently cataloged or recataloged on Library of Congress printed catalog cards. All films of educational or instructive value released in the United States and Canada are included. Since May 1957 cards have been printed only for those copyrighted films which have been added to the collections of the Library of Congress or for which data has been supplied by producers or distributors.

A List of U.S. Government Medical and Dental 8mm Films for Sale by the National Audiovisual Center. Washington, D.C.: National Archives and Record Service Administration.

This resource book is arranged by the 2 major subject classifications: Medical and Dental. The book is further subdivided into the various components of the discipline. Although the A-V entries list the order, number, title of work, a brief annotation, and the price, no attempt has been made to provide an index to all of the entries. Order forms are included in the book.

Materials Selector '73. Product Design's Complete Materials Reference Guide. Materials Engineering. Reinhold Publishing Company. Stamford, Connecticut.

A most unique type of guide. Contains latest data on engineering materials--parts, forms, finishes. Sections are quite varied. Includes tables, ranks of important materials with respect to various properties. States information concerning initial requirements to make various tests, then compares experiments and their results. Finally, list of sources of specific materials used in experiments are provided. Sources include names of companies, addresses, etc. Most beneficial to student and professional in the engineering field.

Mediaware: Selection--Operation--Maintenance. Wm. C. Brown Company,  
135 S. Locust St., Dubuque, Iowa 52001, 1969.

A-V machinery--diagrams and fundamental operating functions.

Medical and Surgical Motion Pictures: A Catalog of Selected Films.  
AMA, 535 N. Dearborn St., Chicago, Ill. 60611.

Directed to those concerned with education of medical students,  
interns, residents, etc. Films listed by Basic Science, clinical  
medicine and surgery, and paramedical sciences. Included annota-  
tions and has a subject, title, and distributor index.

Methods of Handling Non-book Materials in Chemical Libraries. Dorothy  
A. Lundeen, Madison, Wisconsin, Dane County Title Co., n.d.

Bibliography of audio-visual materials.

Microform Publications. Felix Reichman and Josephine Thorps.  
"Determination of an Effective System of Bibliographic Control  
of Microform." Washington, D.C.: Association of Research  
Libraries, 1970.

The appendix is helpful to tell one where to write for infor-  
mation on getting microforms. Information includes type of  
microform, where to order, how the ordering catalog is arranged,  
and subjects generally included.

Microform Review. Microform Review, Inc. Weston. Conn.

Available as of January, 1972, as journal or microfiche  
subscription. A quarterly review of all types of microforms;  
indexed in Library Literature and abstracted in Information  
Science Abstracts. An annual index to all articles and  
reviews appears in no. 4 of each volume. In addition to  
reviews of published microforms, each issue contains 6-7  
articles on micropublication, bibliographic control of  
microforms, and other similar articles of interest to  
information scientists and librarians. Each issue also  
contains a list of recent articles on micropublishing in  
other journals and a list of titles being published  
simultaneously in hard copy and microform.

Micro-Slide Viewer, Microslides and Texts; A Visual Aid for Life  
Science and Biology. National Teaching Aids, Inc., 120  
Fulton Ave., Garden City Park, N.Y. 11040.

A basic class unit that may be ordered includes 30 micro-  
slide viewers (one for each student) and 5 boxes of micro-  
slides and texts. There are 8 slides for each subject and  
text. Examples of subjects: cells of your body, insect  
parts, plant mitosis. Junior high or elementary level.

Motion Pictures and Filmstrips. National Union Catalog. 1963-

This catalog is divided into two sections. There is a subject index, using LC subject headings. Second, there is a title section which gives more detailed information concerning the specific materials. The main catalog is for the years 1963-67 and there are annual cumulations subsequent to that.

Motion Pictures and Slide Films. Department of Education, National Association of Real Estate Boards. Single copy, free.

Lists titles of films, filmstrips, and slides in advertising, architecture, construction, finance, housing, etc.

NAEB Telecommunications Directory. (National Association of Educational Broadcasters). 1346 Connecticut Avenue, N.W., Washington, D.C. 20036.

Contains data on educational/public television and radio, listing of educational/public television and radio stations, and listings, by category, of all NAEB members.

National A-V Center. National Archives & Records Service, Washington, D.C.

Lists of nonprint resources published, e.g., outdoor recreation, natural resources, conservation and related subjects.

National Information Center for Educational Media. Index to Overhead Transparencies.

"...a bibliographic key to commercially produced transparencies. This index will be invaluable in evaluating current collections, locating desirable titles for acquisition, preparing media resource lists and validating other bibliographic citations." Includes audience and/or grade recommended.

National Information Center for Educational Media. Index to 8mm Motion Cartridges. New York: R. R. Bowker Co., 1969.

3 sections: (1) Subject Guide to 8mm motion cartridges, including a "Subject Heading Outline" and "Index to Subject Headings" and "Subject Guide to 8mm Motion Cartridges." (2) Alphabetical Guide to 8mm motion cartridges. (3) Directory of producers and distributors. Clear introduction on using guide. Audience levels include kindergarten to professional to industrial uses. Includes subjects in science and technology.

National Information Center for Educational Media. Index to 16mm Educational Films. Los Angeles, NICEM, 1971.

Bibliographic guide to 16mm educational films on all topics. Gives audience and grade levels as well as descriptive information. Access by subject and/or title.

National Information Center for Educational Media. Index to 35mm Educational Filmstrips. New York, Bowker, 1970.

Bibliographic guide to 35mm educational filmstrips on all topics. Includes sections for professional and industrial uses. Each entry contains title, format, time, concise annotation, date, where distributed, and audience level.

National Medical Audiovisual Center. Selected Films on heart disease, cancer and stroke, rev. ed. Atlanta, 1968. Public Health Service. Publication no. 1780.

Annotated list of films on the above topics for both professional and non-professional audiences

National Medical Audiovisual Center Catalog. National Medical Audiovisual Center, Station K, Atlanta, Georgia 30324.

Section I: Motion Picture Film Catalog; Section II: Videotape Catalog. Has a videotape duplication service provided free to biomedical professional who furnish their own tape. Touches on almost all phases of medicine. Title listing with full ordering information and annotations for films, audiotapes, slides, etc.

National Register of Microform Masters, 1969. Library of Congress, 1970.

Provides a listing of library materials which have been filmed and for which master negatives exist. Included monographic and serial titles.

National Survey of Audiovisual Materials for Nursing 1968-1969. American Journal of Nursing Company. Educational Services Division.

Includes videotapes, 16mm films, 35mm filmstrips, 8mm film loops and films, audio tapes, slides, and computer assisted instructional programs. Access by subject headings, type of material, or index.

NCAT Catalog 1970-72. National Center for Audio Tapes, Room 320 Stadium Bldg., Boulder, Colorado 80302, 1970.

List of over 12,000 audio programs, cassettes, and reels in the field of education.

NCMC Master Videotape Library.

"A catalog of television programs for physicians and other health professionals available to institutions participating in the Network for Continuing Medical Education." Produced at medical schools and with leading clinicians and researchers. Includes annotations. Tapes may be borrowed for two weeks at \$12 per title.

Neurological Examination Series. 4 videotape cassettes, sound, black and white, made by William J. Bank, University of Pennsylvania, School of Medicine, Dept. of Neurology, 1972.

No. 1: Huntingdon's Chorea; No. 2: Post-infectious Polyneuritis; No. 3: Progressive Muscular Dystrophy; No. 4: Syringomyelia.

New Educational Materials. Mixed Media Presentations. Citation Press, 50 Forty-fourth St., New York, N.Y. 10036, 1970.

Includes annotated listing under "Multi-media kits".

Nikon Inc. Instrument Division. Ehrenrich Photo-Optical Industries. Garden City, New York 11530.

Nikon manufactures and distributes a range of microscopes and related equipment for routine microscopic study to advanced research. Special photographic equipment is included in their line.

1969 Guide to Scientific Instruments. Compiled by Earl J. Scherago of the American Association for the Advancement of Science.

Lists major types of instruments alphabetically, assigns each type a number, lists makers, and then gives each another number. These then are keyed to a listing of a manufacturer's address and phone number. Contains about 200 pages of ads about instruments.

1972 Motion Picture Film Catalogue. National Medical AudioVisual Center. Washington, D.C.: U.S. Department of HEW.

This resource book accesses its information by using a subject classification based on "MESH" and an alphabetical listing of the films. The contents also include a subject index, a list of restrictions, instructions for ordering or purchasing films, a listing of films by 8mm films, videotapes, and foreign material. There is also a list of the subject headings used. The entries themselves include order numbers, a brief annotation of film contents, the length of the film, the speed, and whether the film is black & white or color. No prices are listed.

Nuclear News Buyers Guide.

The guide is designed to aid engineers, scientists, and managers in identifying products, materials, and services provided by the many companies that comprise the nuclear industry. Over 850 companies in and outside of the United States are alphabetically listed with a second listing of 280 products, material and service categories.

Nystrom. A. J. Nystrom Co., 3333 Elston Avenue. New York, N.Y.

Provides models for zoology, anatomy and botany. Also provides science transparencies.

Orthopaedic Audio-Synopsis Foundation. 13002 Dickens St.,  
Studio City, Calif. 91604.

First issued April 1, 1969. Attempts to keep doctors  
up-to-date in their speciality. Includes brief annotations  
of tapes.

Overhead Transparencies for Secondary Grades. Creative Visual  
Transparencies, Box 1911, Big Spring, Texas.

Lists of overhead transparencies in all fields, including  
science, for secondary school students.

Pacific Coast Biological Supplies. P.O. Box 927, San Diego,  
Calif. 92112.

Provides collection of models for insects and animals.

Preliminary 8mm film project and listing of 8mm films. Nebraska  
University. College of Medicine.

Selected bibliography of 8mm films. Films classified by  
medical subject categories and by titles. Includes addresses  
of distributors and listing of 8mm film production activities  
of medical schools, schools of nursing, and other institutions  
in the U.S. and Canada.

Process Instrumentation. London: United Trade Press, Ltd.

Covers innovations, development and applications of equipment  
and instrumentation.

PROCLIB (Procedures Library). UNICOL, 34th and Market Sts.,  
Philadelphia, Pa. 19104

Unpublished catalog of descriptive titles of the collection  
of system resident programs available to UNICOL users.  
Similar catalogs available in most computer centers.

Producing Slides and Filmstrips. Eastman Kodak Co.

Lengthy discussion of slide and filmstrip production on a  
small scale using ordinary photographic equipment. Explains  
step-by-step methods of planning an A-V presentation, which  
films to use and how to expose the, how to make a simple  
copying stand and how to utilize available light sources.  
Also included are data sheets for Kodak films and information  
concerning other Kodak publications.

Programmed Instruction Guide. (ENTELEK, Inc., 42 Pleasant St.,  
Newburyport, Mass., 01951), \$14.50, Spring, 1972).

A computer-based source book. 2221 programs are evaluated  
as to quality and relevance. Designed to help teachers and  
industrial trainers.

Programmed Learning: A Bibliography of Programs and Presentation Devices. Hendershot Programmed Learning Consultants, 4114 Ridgewood Drive, Bay City, Michigan 48706. 1971.

Listing of programs by subject and subtitle. Includes prices. One section devoted to equipment. Reference section reviews reference books, periodicals, and other source material.

Public Health Service Film Catalogue, 1966. U.S. Government Printing Office, Washington, D.C. 1966.

Introduction discusses communication research, special reference, national archives, how to use catalogue to borrow and purchase films, etc. Film loan request forms provided. Subject and terms are indexed separately, titles are listed with their length, type, size, and a short summary. Audiotapes are listed and the limited print collection is listed.

R/D (Research and Development) Technical Publishing Company. Monthly.

Information on various types of scientific equipment and literature on equipment. Examples include microscopes, laboratory supplies, etc. Besides capsule summaries of new products and bibliographies of literature, there is also an index to advertisers.

A Reference Guide of Audio-Visual Information. J. L. Limbacher. Bowker, New York, 1972.

Begins with a ready reference file, also lists reference works. Lists and defines many audio-visual terms.

Science--Guide to Scientific Instruments. 178A (4063A), November 28, 1972.

An alphabetical list of laboratory instruments and equipment and the names and addresses of their manufacturers.

Science Kit, Inc. Tonawanda, New York 14150.

A catalog of science kits for general science and physics, chemistry, earth science; labware; and audiovisual equipment (mostly hardware, some equipment for making transparencies, some prepared software.) Very broad in scope. Includes materials to use with kits, and a great variety of equipment to supplement the kits, for teaching & experiments. Examples: mobile science labs, animal cages, living material, models, chemicals, rock and mineral collections, lab clothing.

Science Research Association, Inc. Catalog. Science Research Assoc., Inc. 1970.

Though mostly instructional print material is cited, media aids such as computer programs are included. The section on adult education and vocational materials is most useful for independent learning or teaching preparation. Prices listed.



Scientific Laboratory Instruments and Apparatus. Sargent-Welch Scientific Company, 35 Stern Avenue, Springfield, N.J. 07081.

For biology, chemistry, physics, general science. Full descriptions given, photos, prices. Examples: biology specimens (living, preserved, plastic embedded, slides, etc.); apparatus: aquariums, microscopes, models; other sciences: electronic sets, crystal models, telescopes, charts, chemicals, stroboscope. Very complete.

Selected List of Catalogues for Short Films and Filmstrips. UNESCO. 1963. (Reports and papers on mass communication, 44).

Bibliography, with catalogs organized both by nationality and by subject content. Subject catalogs are annotated (number of films listed, type of descriptive information given). Relatively out-of-date, but series is worth monitoring for more recent titles.

Seminars in Medicine: An Audio-Visual Journal. Edited by A.D. Freedman, M.C., Professor of Medicine, University of Pennsylvania, School of Medicine and J.S. Rauch, M.S., Chief Medical Librarian, University of Pennsylvania, School of Medicine.

A bi-monthly journal featuring a series of audio-cassette seminars on selected topics in medicine. Professionally recorded cassettes accompanied by color slides. Topics selected for relevance to clinical field, written and edited by the medical faculty of the University of Pennsylvania. A practical way to keep abreast of current advances in medicine. \$95 a year--\$25 single issue.

16mm Films 1970-1972. University of California Extension Media Center. Berkeley, Calif. 94720.

Includes films made by the University of California and others. Films available to all colleges, schools, institutions, industry, responsible individuals, and organizations; for use within the U.S. Rental fees charged all borrowers; some films can be purchased.

Sourcebook for Biological Sciences. Donald L. Troyer, Maurice G. Kellog, and Hans O. Anderson. New York: The Macmillan Company, 1972.

The purpose of this sourcebook is to attempt to meet the teacher's need for a contemporary reference book of curriculum and multimedia materials, equipment and supplies, professional references, and auxiliary resource material. Contains addresses of suppliers, preparation of laboratory materials and professional references.

SRA Inc., 1970 Publication.

Section on science includes all types of non-print materials--films, kits, transparencies, etc.



Statistical Package for the Social Sciences. Norman Nie, Dale H. Bent, and C. Hull. New York, McGraw-Hill, 1970.

An integrated system of computer programs for the analysis of social science data. Uses natural-language control statements and requires no programming experience on the part of the user. Provides a comprehensive set of procedures for doing all kinds of statistical analyses.

Stereoscopic Atlas of Human Anatomy. D.L. Bassett, Portland, Oregon: Sawyer's Inc., 1965.

A series of volumes each containing a number of reels (8) and a notebook with diagrams and labels devoted to one aspect of the dissection. Section one deals with the central nervous system. The dissection is presented in a series of steps all in full perspective.

Sterling Education Films. New York: Walter Reade, 1971.

5 of the 81 pages of this catalog are devoted to science. The annotations give the contents of the films, date, running time, cost, color or black and white. Published by a division of the Walter Reade Organization.

Subject Guide to Microforms in Print 1972-1973. ed. A. J. Diaz. Washington: Microcard Editions, 1972.

Guide to material available on microfilm or microforms from U.S. publishers. Theses and dissertations not included. Mainly a classified listing of microform sold regularly. Subject classification by number as well as index to subject classifications.

Survey of Commercially Available Computer-Readable Bibliographic Data Bases. Edited by John H. Schneider, Marvin Gechman, and Stephen E. Furth. Published by the ASIS Special Interest Group on Selective Dissemination of Information (SIG/SDI).

This reference tool provides detailed descriptions of 81 machine-readable bibliographic data bases that may be purchased from 40 U.S. organizations and 15 foreign organizations. Coverage is not restricted to scientific and technical bibliographic data bases, all subject areas are included. \$7.25 ASIS members, \$8.50 non-members.

Survey of Current Systems for Selective Dissemination of Information (SDI). Edward M. Housman, comp. and ed. Washington, D.C., Special Interest Group on SDI (SIG/SDI), American Society for Information Science, 1969. Reproduced by the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151.

"In recent years there has been a spurt of interest in SDI applications because many large information banks (e.g., Chemical Abstracts, NASA, and the Institute of Scientific Information) have begun to make available computer tapes containing records of their new accessions." Many of the services (functioning, pilot, and planned) responded to the

SIG/SDI survey reprinted here. Sources of external tapes, publications describing the system used (if published) and name, address and phone (as of 1968-69) of all systems are listed. (An instant invisible college).

Sweet's Plant Engineering Catalog File. New York: McGraw-Hill Information Systems Company, 1971.

This is a classified collection of manufacturers' catalogs. It contains catalogs in 13 areas of plant engineering--materials handling, hydraulic pneumatic equipment, electrical equipment, mechanical power transmission equipment, instrumentation, finishing, fabricating, and joining, safety and security, plant maintenance, building materials, structural and construction components, environmental and pollution control, thermal and acoustical control, and fixtures and furnishings. Catalogs are classified by product group and are filed alphabetically by firm name. There are 3 indexes to the volume--firm name, product name, and trade name.

Thomas Scientific Apparatus and Reagents. 65th ed. Arthur H. Thomas Co., Vine St. and 3rd, P.O. Box 779, Philadelphia, Pa. 19105.

The Thomas Company stocks an extensive line of scientific apparatus for the professional chemistry or biology laboratory. This distributor handles the equipment of several name manufacturers.

Thomas Register Catalog File. v. 9. "Catalogs of Companies." New York: Thomas Publishing Co., 1971.

Catalog lists suppliers and their products. Example: under "Bausch and Lomb" it lists personal scientific protective equipment such as ear protectors, anti-laser goggles. Gives lists of local suppliers by state and city.

Turttox Service Dept. Biological Supply House, Inc. 8200 South Hayne Avenue, Chicago, Illinois 60620.

Biological models of insects and animals.

UNESCO. Mass Communications Techniques Division. Paris, 1965.

Select list of catalogues for short films and filmstrips.

U. S. Government Films; Catalog of Motion Pictures and Filmstrips for Sale by the National Audiovisual Center. National Audiovisual Center, 1969.

This catalog includes films in the scientific and technical fields. Each entry includes title, format, time, order number, price and description.

U. S. Government Films: 1971 Supplement. U. S. National Archives and Records Service. National Audiovisual Center.

As the previous publication, but with rental prices and conditions included. "Other media" expanded from filmstrips only to include slide-tape reels, audiotapes, slides, filmstrip and records, audio-discs, 8mm film and super-8mm. List of withdrawn titles included.

U. S. Government Films - 16mm. 1971 Supplement to 1969 Catalog of Motion Pictures and Filmstrips for Rent and Sale by the National Audiovisual Center, Washington, D.C. 20409.

Extensive annotated listings under science, technical, electricity, and electronics. Title and subject indexes.

U. S. Library of Congress, MARC Development Office. Prepared by Lenore S. Mariyama with the aid of Lucia J. Rather, Patrick J. Sheehan, and Katharine W. Clugstan, Washington, U.S. GPO, 1970.

Films, a MARC format; specifications for magnetic tapes containing catalog records for motion pictures, filmstrips and other pictorial media intended for projection.

U. S. Medical Audiovisual Center. Mental Retardation Film List. Washington: U.S. Social and Rehabilitation Service, 1967.

Annotated list of films for both the professional and non-professional audiences in the field of mental retardation.

U. S. National Audiovisual Center. National Archives and Records Service. Washington, D.C. 8mm Motion Picture Cartridges.

This agency produces a variety of 8mm motion picture cartridges. Many of these films are geographically oriented.

University of Southern California 1971-72 Supplement Film Catalog. Los Angeles, Calif. 90007.

Annotated entries arranged alphabetically by title with subject index. Subjects include science, science-natural, science-physical, industrial arts, etc.

Urban Outlook. Office of Public Affairs, HUD, 451 7th St., S.W., Washington, D.C. 20410, Free, 1969.

Selected bibliography with content descriptions, names and addresses of distributors, running time, etc.

User's Guide to the Statistical Analysis System (SAS). Department of Statistics, North Carolina State University, 1972.

A system to provide for an integrated approach to the editing and statistical analysis of data. Recognizes a simple language for the user to communicate with the computer. Language includes statements which present, edit, transform, generate, describe, and analyze data. Statements operate upon data sets.

Videotapes Available for Duplication. National Medical Audiovisual Center. Atlanta, Georgia, National Medical Audiovisual Center.

Listing of videotapes that are available for duplication. Subject headings are listed and are keyed by number to title listing. Title entries list producer, address, comprehensive description of tape and ordering information. Detailed ordering instructions are provided. All requests are to be addressed to the National Medical Audiovisual Center in Atlanta.

VWR Scientific Apparatus Catalog.

Lists instruments and supplies for industrial, educational, and clinical research labs. Major sections include balances, biomedical apparatus, centrifuges, chromatography, distilling apparatus, furnaces, hydrogen ion, microscopes, ovens, specific ion, spectrohatometers.

Wildco Product Catalog. Specialized and Precision Instruments and Apparatus for Research and Management. Wildlife Supply Company, 2200 S. Hamilton Street, Saginaw, Michigan 48602.

Equipment for the aquatic biologist, ecologist, limnologist, oceanographer. Examples: stream bottom sampler, biological dredge, core samplers, plankton bucket, zooplankton counting wheel, water sampler, oceanographic messenger, portable boat crane.

William Welch Scientific Co. and Ward's Natural Science Establishment, Inc. 3000 E. Ridge Rd., Rochester, New York 14622.

Supplies frogs, hamsters, mice, rabbits, rotifers, mud puppies, turtles and ant colonies alive and guaranteed.