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Chartic, Addie G/Guide to computer progr
QC100 .U57 NO.500-22, 1977 C.2 NBS-PUB-C

SCIENCE & TECHNOLOGY:

National Bureau of Standards
Library, E-01 Admin. Bldg.

OCT 1 1981

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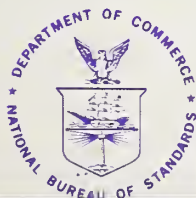
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GUIDE TO COMPUTER PROGRAM DIRECTORIES



NBS Special Publication 500-22
U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards

NATIONAL BUREAU OF STANDARDS

The National Bureau of Standards¹ was established by an act of Congress March 3, 1901. The Bureau's overall goal is to strengthen and advance the Nation's science and technology and facilitate their effective application for public benefit. To this end, the Bureau conducts research and provides: (1) a basis for the Nation's physical measurement system, (2) scientific and technological services for industry and government, (3) a technical basis for equity in trade, and (4) technical services to promote public safety. The Bureau consists of the Institute for Basic Standards, the Institute for Materials Research, the Institute for Applied Technology, the Institute for Computer Sciences and Technology, the Office for Information Programs, and the Office of Experimental Technology Incentives Program.

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Standards Application and Analysis — Electronic Technology — Center for Consumer Product Technology: Product Systems Analysis; Product Engineering — Center for Building Technology: Structures, Materials, and Safety; Building Environment; Technical Evaluation and Application — Center for Fire Research: Fire Science; Fire Safety Engineering.

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Computer Services — Systems and Software — Computer Systems Engineering — Information Technology.

THE OFFICE OF EXPERIMENTAL TECHNOLOGY INCENTIVES PROGRAM seeks to affect public policy and process to facilitate technological change in the private sector by examining and experimenting with Government policies and practices in order to identify and remove Government-related barriers and to correct inherent market imperfections that impede the innovation process.

THE OFFICE FOR INFORMATION PROGRAMS promotes optimum dissemination and accessibility of scientific information generated within NBS; promotes the development of the National Standard Reference Data System and a system of information analysis centers dealing with the broader aspects of the National Measurement System; provides appropriate services to ensure that the NBS staff has optimum accessibility to the scientific information of the world. The Office consists of the following organizational units:

Office of Standard Reference Data — Office of Information Activities — Office of Technical Publications — Library — Office of International Standards — Office of International Relations.

¹ Headquarters and Laboratories at Gaithersburg, Maryland, unless otherwise noted; mailing address Washington, D.C. 20234.

² Located at Boulder, Colorado 80302.

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COMPUTER SCIENCE & TECHNOLOGY:

Guide to Computer Program Directories

Information Technology Division
Institute for Computer Sciences and Technology
National Bureau of Standards
Washington, D.C. 20234

(Compiled by Addie G. Chattie)



U.S. DEPARTMENT OF COMMERCE, Juanita M. Kreps, Secretary

Dr. Sidney Harman, Under Secretary

Jordan J. Baruch, Assistant Secretary for Science and Technology

NATIONAL BUREAU OF STANDARDS, Ernest Ambler, Acting Director

Issued December 1977

Reports on Computer Science and Technology

The National Bureau of Standards has a special responsibility within the Federal Government for computer science and technology activities. The programs of the NBS Institute for Computer Sciences and Technology are designed to provide ADP standards, guidelines, and technical advisory services to improve the effectiveness of computer utilization in the Federal sector, and to perform appropriate research and development efforts as foundation for such activities and programs. This publication series will report these NBS efforts to the Federal computer community as well as to interested specialists in the academic and private sectors. Those wishing to receive notices of publications in this series should complete and return the form at the end of this publication.

National Bureau of Standards Special Publication 500-22

Nat. Bur. Stand. (U.S.), Spec. Publ. 500-22; 168 pages (Dec. 1977)
CODEN: XNBSAV

Library of Congress Cataloging in Publication Data

Chattic, Addie G.

Guide to computer program directories.

(Computer science and technology) (NBS special publication ; 500-22)

Includes indexes.

Supt. of Docs. no.: C13.10:500-22.

1. Computer programs--Catalogs. I. Institute for Computer Sciences and Technology. Information Technology Division. II. Title. III. Series. IV. Series: United States. National Bureau of Standards. Special publication ; 500-22.

QC100.U57 no. 500-22 [QA76.6] 602'.1s [016.0016'425] 77-17610

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1977

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

Price \$3.25 - Stock No 003-003-01867-8

Preface

This publication describes our collection of catalogs or directories listing software, both proprietary and in the public domain. These computer programs are available from private organizations, academic institutions, and Government agencies. The collection is the basis for the Computer Program Index Service maintained by the Information Technology Division, Institute for Computer Sciences and Technology, NBS. The Service provides information on the availability of computer programs already developed, tested and in use, to minimize the need for development of new programs. The Service supplements and complements the Federal Software Exchange Center (FSEC) established by General Services Administration in 1976. Unlike FSEC, the ICST service does not distribute programs but refers the user to the source for such distribution. Thus the FSEC catalog is one of the catalogs in the ICST collection, and is described in this listing.

The descriptive information about each catalog was taken from the catalog itself and checked with the source for accuracy and completeness. The accompanying indexes to the compilation are based on the contents of the catalogs themselves, so match closely the original documents.

This compilation was prepared by Addie G. Chattic and Peter J. Calomeris, assisted by Martha M. Gray and Maxwell G. Christopher of the Information Technology Division. The manuscript is a computer printout except for the few typed pages prepared by Barbara Peterson of the Division. Information about the directory or the Computer Program Index Service, and inquiries to the Service about the availability of specific computer programs, may be addressed to the Computer Information Section (phone 301-921-3414).

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GUIDE TO COMPUTER PROGRAM DIRECTORIES

Abstract

The Guide is a product of the Computer Information Section's efforts to establish and maintain a reference index to computer programs. CIS has over the past several years collected catalogs that contain proprietary and public domain software and answered queries on the availability of computer programs already developed, tested or in use.

Included here are abstracts of catalogs from the collection; no computer program abstracts are included individually. Information concerning specific programs may be obtained from the catalogs abstracted here.

Key word indexes for applications and systems programs are included to help users identify catalogs which list programs in their area of interest.

Key words: Computer program index; Federal Software Exchange Program; proprietary software; public domain software; software exchange; software guide; software index; software sharing.

Introduction

The Guide to Computer Program Directories is intended as a source of information on both proprietary and public domain computer programs that are available directly for sale or lease, or on an exchange basis. It provides information on software catalogs which list programs for a wide range of data processing requirements on several types of computers. This information has been concisely compiled and organized for the purpose of pointing the user to appropriate sources to obtain facts about available computer programs.

This publication will be revised as needed. New editions will include additional software catalogs that may appear in the future, those included here and certain ones which now exist which we have not collected and listed.

Organization

The Guide has 5 parts as listed below:

Section I is an annotated listing of the 63 SOFTWARE CATALOGS comprising the Guide. This is the central source of information. The specific data on each catalog entry include: title; corporate author name, address and phone number; type of publication (report, book, notebook, etc.), with report number(s) if applicable; author; frequency of publication; date of publication; status of publication (active, inactive, suspended, unknown)*; descriptive abstract and subjects.

The catalogs are listed alphabetically by corporate author name. Double asterisks identify the name on which each entry is sorted. Preliminary to Section I is a list of SOFTWARE CATALOG TITLES, arranged alphabetically with the corresponding page numbers in Section I.

Section II is an annotated listing of SUPPLEMENTARY PUBLICATIONS comprising journals, newsletters and reports which present material on available software. The format is similar to that of Section I and includes similar informative data where appropriate. The publications are listed in alphabetical order by title. In cases where a journal does not consist entirely of software information, the section title pertinent to the software has been listed.

Section III is an annotated listing of COMPUTER USERS GROUPS, for use as a supplemental source of information. Specific data on each user group where appropriate are acronym and name; contact person; corporate affiliation; status and descriptive abstract. The order of inclusion is alphabetical by acronym or name. The set of users groups presented here was selected on the basis of available literature describing each.

Section A1 is the APPLICATION PROGRAM INDEX. Sixty key words selected as applications areas are listed alphabetically. Under each application area are catalogs which contain programs in that particular area. Each title is followed by its page number in Section I.

*For explanation of these items, see page 3.

Section S2 is the SYSTEMS PROGRAM INDEX. Sixteen key words comprise this list. Each catalog which fits the key word is listed under it. Catalog titles are listed alphabetically and followed by their page numbers in Section I.

How to Use the Guide

To locate a catalog concerned with a specific application consult the appropriate key words in Section A1, the APPLICATION PROGRAM INDEX. The catalog titles listed under the key words give some indication of their contents for further selection. Using the page numbers find the entries for specific catalogs in Section I; the abstracts and subjects provide more detailed information.

To locate systems programs, refer to Section S2, the SYSTEMS PROGRAM INDEX, and follow the above method for choosing a specific catalog.

Explanation of Terms for Status of Catalogs

Active means that a source is presently functioning and information concerning it is available from the corporate author.

Inactive means that a publication is not presently being published or maintained. However, although the software catalog is no longer available, the programs listed in the old version may still be available.

Suspended means that a publication is inactive due to lack of funds or staff and will remain so until resources become available.

Unknown means that a catalog exists but its status and that of the programs listed in it are not known.

SOFTWARE CATALOG TITLES

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NOL Subroutine Library.....	I-49
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Program Product Bulletin.....	I-24
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Tennessee Valley Authority Program Abstract Catalog...	I-57
User's Group: Program Library Catalog.....	I-13
WES Engineering Computer Programs Library Catalog.....	I-18

COMPUTER INFORMATION SERVICE:
CATALOG OF AVAILABLE PROGRAMS

** Aerospace Research Applications Center (ARAC)
Poplars Research and Conference Center
Indiana University
Bloomington, Indiana 47401
(812) 337-7833

Booklet

Published quarterly

Published February 1974

ACTIVE

The Computer Information Service (CIS) serves a twofold purpose. Primarily the CIS makes available to ARAC member companies those computer programs which are generated in the course of federally sponsored research and development. Space related literature, government research and development reports, and scientific journals are searched to select programs which have broad application and are well documented. The second purpose of the CIS is to provide a method for computer professionals and computer interested individuals to keep abreast of this rapidly changing field. This booklet contains all computer programs available from ARAC through 1974.

SUBJECTS: statistics, operations research, curve fitting, general engineering, general purpose programs, utility programs, documentation aids

AIR FORCE ROCKET PROPULSION LABORATORY
SCIENTIFIC COMPUTER PROGRAMS

** Air Force Rocket Propulsion Laboratory
 Air Force Systems Command
 Scientific and Technical Information Office
 United States Air Force
 Edwards, California 93523
 (805) 277-1110 ext. 32144

Booklet/Technical Report AFRPL-TR-70-51

Dale E. Kistler, (Author)

Published May 1970

INACTIVE

This report lists significant Air Force Rocket Propulsion Laboratory computer programs. The purpose of this document is to provide dissemination of this information to the rocket propulsion industry, with the added objective of preventing unnecessary duplication of effort in this technical area.

SUBJECTS: chemistry, statistics, performance calculations, vibrational analysis, mathematics, stress analysis, physics

COMPUTER SOFTWARE SPECIFICATIONS

** Alltech Publishing Company
212 Cooper Center
North Park Drive and Browning Road
Pennsauken, New Jersey 08109
(609) 662-2122

Reference notebook (2 vols.)

Updated monthly

Published 1975

ACTIVE

This world-wide reference service consists of four 2-volume parts providing authoritative data on Computer Equipment, Peripheral Equipment, Computer Software, and Office Equipment. In addition, THE APC TABLET is a monthly newsletter describing industry developments and providing commentary, capsule product reviews, and reference service news. The software volumes describe commercially available software from independent subscribers and listings of software suppliers and software available from computer manufacturers.

SUBJECTS: computer software, plotters, management aids, statistical programs, utility programs, programming language, data base management system, accounting system, scientific, engineering, mathematical modeling, information retrieval, project management, payroll, social science, text processing

COMPUTER SYSTEMS INDEX

** American Association of State Highway
and Transportation Officials (AASHTO)
444 North Capitol Street, N. W.
Suite 225
Washington, D.C. 20549
(202) 624-5800

Book

Compiled by
State Department of Highways
and Public Transportation
Austin, Texas 78701
(512) 475-3524

Published April 1976

ACTIVE

The information contained in this publication represents descriptions of information systems associated with the transportation engineering and transportation administrative fields. The purpose is to foster and promote the exchange of computer systems, procedures and techniques. The report is prepared and/or updated on an annual basis.

The AASHTO is a non-profit organization, not affiliated with the U.S. Department of Transportation.

SUBJECTS: financial management, engineering, traffic studies, environment, highway planning

MINICOMPUTER SOFTWARE QUARTERLY

** Applied International Management
Services, Inc.
70 Boston Post Road
Wayland, Massachusetts 01778
(617) 358-4903

Reference notebook

Updated quarterly

Published 1975

ACTIVE

This directory is designed to help current users locate pre-existing software packages that might fully or partially fulfill their data processing requirements. It contains descriptions of and operating requirements for minicomputer software products that are available for sale or lease from a wide variety of qualified sources. Descriptions for the several hundred minicomputer programs included in the directory are also provided. (This publication is not in our collection.)

SUBJECTS: support system software, engineering, education, accounting, medical, manufacturing, text processing, mathematics, statistics, transportation, utility programs

ARGONNE CODE CENTER: BIBLIOGRAPHIES
COMPUTER PROGRAM LITERATURE

** Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois 60439
(312) 739-7711

Booklet/Report Number ANL-7684

C. Harrison, Jr. and Marianne Legan, (Authors)

Published June 1970

INACTIVE

This report is intended as a collection of bibliographies of literature on computer programs developed in the areas of nuclear physics, reactor design, operation and engineering. This document is issued in looseleaf form to permit updating of the library reference bibliography and addition of annual bibliographies for 1969 forward. It is published to assist the Center's Cooperating Installation representatives and other interested scientists or engineers in their search for information on relevant computer programs. (This publication has not been updated due to lack of funds.)

SUBJECTS: nuclear physics, reactor design, engineering, mathematics, statistics

ARGONNE CODE CENTER: COMPILATION
OF PROGRAM ABSTRACTS

** Applied Mathematics Division
Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois 60439
(312) 739-7711

Available from:
U.S. Department of Commerce
National Technical Information Service
Springfield, Virginia 22151

Reference notebook (2 vols.)/Report Number ANL-7411

M.K. Butler, H.S. Edwards, et al., (Authors)

Supplemented aperiodically

Published October 1967

ACTIVE

As originally published ANL-7411 was the second complete revision of program abstracts undertaken by the Code Center since its inception in 1960. This revision eliminated from the collection those programs for machines of the 704 era and earlier. With the assistance of installation representatives and authors, existing program abstracts were revised and material added to the library to complete, whenever possible, the program package for each program in the Center's collection.

SUBJECTS: fuel management, kinetics, safety, data management, earth science, space science, chemistry, physics, biology and medicine, civil engineering

COLLECTED ALGORITHMS FROM CACM

** The Association for Computing Machinery (ACM)
 1133 Avenue of the Americas
 New York, New York 10036
 (212) 265-6300

Reference notebook (2 vols.)

Updated bimonthly

Published 1960

ACTIVE

The Algorithms Department of Communications of the ACM (CACM) was established in February 1960, for the purpose of publishing algorithms, consisting of procedures and programs in the ALGOL language. A wide variety of algorithms has been published either in original form or as translated into other languages. The ACM has collected and reprinted the algorithms to make them more readily accessible to a large group of users.

SUBJECTS: mathematics, statistics, computer simulation, graphics, utility programs, operations research, compiling, sorting, matrix operations data conversion, plotting, physics applications, orthogonalization

COMPUTER PROGRAMS DIRECTORY 1971

** JUG Program Library Committee
 c/o The Association for Computing Machinery (ACM)
 1133 Avenue of the Americas
 New York, New York 10036
 (212) 265-6300

Book/by CCM Information Corp.

Ben R. Faden, (Editor)

Published 1971

ACTIVE

The main purpose of the JUG Computer Programs Directory is to facilitate the exchange of program documentation among user groups. This directory consists of over 1,200 programs in all areas of computing applications, contributed by the 16 user organizations that make up the Joint User Group (JUG). Updating of and additions to the directory will be included in its second edition, for it is in the hope and intention of ACM that this will be a continuing effort.

SUBJECTS: accounting, aerodynamics, mathematics, assembler, chemistry, civil engineering, display systems, graphics

COMPUTER PROGRAMS DIRECTORY 1974

** JUG Program Library Committee
 c/o The Association for Computing Machinery (ACM)
 1133 Avenue of the Americas
 New York, New York 10036
 (212) 265-6300

Book/by MacMillan Information

Richard J. McQuillin, (Editor)

Published 1973

ACTIVE

This directory is extension of the 1971 edition of the JUG Computer Programs Directory. No programs listed in the 1971 Directory are listed in this 1974 directory. There are 3,394 programs made available now. The user groups listing part of their current program libraries in the 1971 directory are DECLS, EIN, FOCUS, GUIDE, and VIM. Newly participating user groups are SWAP and the Hewlett-Packard computer users.

SUBJECTS: accounting, arithmetic routines, assemblers, banking operations, chemical engineering, chemistry, civil engineering, compilers, curve fitting, data handling, electrical engineering, flowcharting, general business, graphic displays, mathematics, statistics

AUERBACH COMPUTER TECHNOLOGY
REPORTS: SOFTWARE REPORTS

** Auerbach Publishers, Inc.
 121 North Broad Street
 Philadelphia, Pennsylvania 19107
 (215) 491-8200

Reference notebook (2 vols.)

Updated monthly

Published 1971

ACTIVE

This publication is a complete reference service on proprietary software packages as well as in-depth definitional reports on computer applications. Extensive use is made of comparison charts to assist users in the selection of a package. A detailed two to three page summary is provided for each package.

SUBJECTS: accounting, payroll, inventory control, manufacturing, operating systems, data base management, documentation aids, report generators, graphics, information retrieval

COMPUTER PROGRAM ABSTRACTS

** Computer Software Management
 and Information Center (COSMIC)
Barrow Hall
University of Georgia
Athens, Georgia 30601
(404) 542-3265

Indexed Abstracts Journal

Published quarterly

Collected since 1969

ACTIVE

Computer Programs Abstracts is an indexed journal listing documented computer programs developed by or for the National Aeronautics and Space Administration and the Department of Defense, which are offered for sale through NASA-sponsored Regional Dissemination Centers and the Computer Software Management and Information Center (COSMIC).

SUBJECTS: aerodynamics, chemistry, communications, computers, fluid mechanics, geophysics, space sciences, physics, mathematics, engineering, utility programs, systems programs

Section I: SOFTWARE CATALOGS

USER'S GROUP : PROGRAM
LIBRARY CATALOG

** User's Group
 Data General Corporation
 Southboro, Massachusetts 01772
 (617) 465-9100

Booklet/Order Number 013-000085

Published September 1975

ACTIVE

 This catalog contains an abstract of each program currently available to members of the Data General User's Group. The User's Group Program Library functions as a clearinghouse and distribution center for user programs. No technical or programming assistance is available. The descriptions and availability of the programs contained in this library are subject to change without notice.

SUBJECTS: communications, education, games, instrumentation and control, electrical engineering, mathematics, statistics, utility programs

DATAPRO DIRECTORY OF SOFTWARE

** Datapro Research Corporation
 1805 Underwood Boulevard
 Delran, New Jersey 08075
 (609) 764-0100

Reference notebook (2 vols.)

Updated monthly

Published 1976

ACTIVE

This directory represents the latest and most wide-ranging independent information service dedicated to comprehensive coverage of all varieties of proprietary software offered for sale to the computer user community. Designed as a tool for management and technical staffs at all levels, the service is compiled and edited to present in an organized and concise manner many of the pertinent facts and evaluations that a user needs to better appreciate the fast growing software market.

SUBJECTS: accounting, banking and finance, computer management, data management, education, engineering and science, insurance, language processors, manufacturing, mathematics, statistics, medical and health care, systems programs

DATAPRO 70: THE EDP BUYER'S BIBLE

** Datapro Research Corporation
 1805 Underwood Boulevard
 Delran, New Jersey 08075
 (609) 764-0100

Reference notebook (3 vols.)

Updated monthly

Published 1972

ACTIVE

This publication is a comprehensive hardware/software reference service for EDP management. It's compiled and edited specifically to give the facts and evaluations required to understand the computer hardware devices and software packages now on the market. (Section 70E contains the software information.)

SUBJECTS: data base management, data communications, report generators, computer simulation, payroll, performance measurement, statistical programs, plotters, tape library systems, utility programs, information retrieval, graphics, computer management

FOREST SERVICE INVENTORY OF
COMPUTER APPLICATIONS

** Fort Collins Computer Center
U.S. Forest Service
Department of Agriculture
32825 East Mulberry Street
Fort Collins, Colorado 80521
(303) 484-2246

Computer printout

Created May 5, 1976

ACTIVE

This is a computer printout of the Forest Service Inventory of Computer Applications as of May 5, 1976. This system is still under development. Additional applications will be added and those on the inventory are being verified for accuracy.

The printout is organized to allow cross-referencing between program application numbers and descriptions. Each description of computer applications has acronym status, operating mode, contact, address, phone number, and narrative.

SUBJECTS: management, agriculture, engineering, transportation, computer sciences, utility programs, mathematics, statistics, systems programs, recreation, project management, information retrieval

MANAGEMENT INFORMATION SYSTEMS: ARMY
CATALOG OF AUTOMATED DATA SYSTEMS

** Department of the Army
Headquarters
Washington, D. C.
(202) 545-6700

Booklet (2 vols.)
Pamphlet Numbers 18-1-1-1 and 18-1-1-2

Published December 1971

UNKNOWN

This pamphlet provides a catalog of Army automated data systems (ADS) for managerial use by Department of the Army, Department of Defense, other governmental agencies, and provides data for reference in the field to avoid duplication of effort in designing and programming ADS.

SUBJECTS: accounting, civil affairs, data systems, document preparation, military operations, personnel, safety, recreation, administering and supporting, research and testing

WES ENGINEERING COMPLIER
PROGRAMS LIBRARY CATALOG

U.S. Army Engineer Waterways
Experiment Station
P.O.Box 631
Corps of Engineers
** Department of the Army
Vicksburg, Mississippi 39180
(601) 636-1311

Catalog

Published May 1976

ACTIVE

This catalog comprises abstracts of Corps of Engineers engineering computer programs available through the Engineering Computer Programs Library (ECPL), Special Projects Branch, U.S. Army Engineering Waterways Experiment Station, Vicksburg, Mississippi. ECPL functions as a repository and distribution center for engineering computer programs and visual aid materials pertaining to all aspects of Corps work. Also, included are abstracts of Engineering computer programs developed by sources other than the Corps of Engineers, but which pertain to Corps activities.

SUBJECTS: data processing, navigation, network analysis, structural analysis, graphics, physics, chemistry, performance measurement, utility programs, engineering, project management

CATALOG DATA SYSTEMS

Office of the Assistant
Secretary of Defense
The Pentagon
** Department of Defense (DOD)
Washington, D. C. 20301
(202) 697-8630

Catalog/LSPC 3-70-1

Prepared by Task Group 3-70
Logistics Systems Policy Committee

Published November 1974

ACTIVE

This catalog identifies and describes Data Systems (DS) within the Department of Defense (DOD). The Data Systems Catalog (DSC) provides an inventory of Automated Data Processing Systems (ADPS) and Automated Data Systems (ADS) is provided in a separate Automated Data Processing Systems Catalog (ADPSC). The ADPSC provides an inventory of major systems and general systems information for DOD functional managers. (The ADPSC is out of print at the time of this writing).

SUBJECTS: accounting, budgeting, civil support, information retrieval, ecology, housing, communication, medical, real estate, recreational, military applications, management, weather, oceanography

COMPUTER PROGRAMS TO ASSIST SCHEDULING AND
ADMINISTRATIVE OPERATIONS IN EDUCATION

** Defense Documentation Center (DDC)
Cameron Station
Department of Defense
Alexandria, Virginia 22314
(703) 274-7633

A DDC Bibliography (May 1955-March 1971)/
Report Number DDC-TAS-71-59 or AD-736 600

Published February 1972

INACTIVE

This bibliography includes abstracts to reports on the use of computers to provide a solution to classroom scheduling problems. It also includes references on computerized techniques for processing administrative data and computerized management tools. The computer-generated indexes are: Corporate Author-Monitoring Agency and Subject.

SUBJECTS: data processing systems,
education, military training, management
planning, personnel management, scheduling,
training devices, counseling

BRECS: CLASSIFICATION PROGRAM INDEX
CYBER 74/28 COMPUTER SYSTEM

Engineering and Research Center
Denver Federal Center
** Department of Interior
Denver, Colorado 80225
(303) 234-4257

Booklet

Published June 1975

ACTIVE

This publication was prepared by the Bureau of Reclamation Engineering and Research Center. It lists by classification category descriptive names of BRECS programs which operate on the CYBER 74/28 computer system.

SUBJECTS: administrative support, data base management, construction, accounting, engineering, operations research, mathematics, statistics, systems analysis, geosciences, career placement, environment

AASHC COMPUTER PROGRAM INDEX

** Bureau of Public Roads
Federal Highway Administration
Department of Transportation
Washington, D. C. 20591
(202) 624-5800

Booklet

Published November 10, 1969

INACTIVE

This index is a product of the continuing effort of the State Highway Department to promote and encourage greater application by the States, of electronic data processing in the basic highway planning operations. This information should also be helpful to the States in exchanging computer programs to avoid duplication of effort. This publication is now being handled by AASHTO (see page I-4).

SUBJECTS: financial management, accounting, engineering, road design and earthwork, location and survey, traffic studies, highway planning,

DECUS PROGRAM LIBRARY CATALOG

** Digital Equipment Computer
 Users Society (DECUS)
 146 Main Street
 Maynard, Massachusetts 01754
 (617) 897-5111

Booklet

Collected since 1969

ACTIVE

The DECUS Program Library is a clearinghouse for user programs. It contains programs for the PDP-8, FCCAL 8, BASIC 8, PDP-11, PDP-12, PDP-6/10, PDP-7/9, PDP-9, PDP-10, and PDP-15 computers, and provides a reproduction and distribution service only. No programming assistance is given.

SUBJECTS: programming language, monitors, text editing, simulation, numerical function, data management, mathematics, statistics, engineering and scientific, hardware control, games, plotting

PROGRAM PRODUCT BULLETIN

** DNA Systems, Inc.
P.O. Box 1424
Saginaw, Michigan 48605
(517) 793-0185

Computer printout

Created April 1976

ACTIVE

The programs in this bulletin run on the IBM 1130 and on computers with DM-2 Operating System compatibility. The programs are grouped by functional classification (see subjects). Detailed technical bulletins are available for all software products offered by DNA Systems, Inc.

SUBJECTS: language processors, interactive systems, utility programs, I/O programming, communications

EDUCATIONAL INFORMATION NETWORK (EIN)
SOFTWARE CATALOG

** EDUCCM
 Box 364
 Rosedale Road
 Princeton, New Jersey 08540
 (609) 921-7575

Reference Notebook (4 vols.)

Updated aperiodically

Published 1969

INACTIVE

The EIN was a nonprofit operation concerned with the sharing of educational computing resources. This network was administered by EDUCOM (Interuniversity Communications Council) and funded jointly by the U. S. Office of Education (USOE) and the National Science Foundation (NSF). Although this publication is inactive, the computer programs may still be available through EDUCOM.

SUBJECTS: education, behavioral sciences, earth science, engineering and technology, operations research, statistics, civil engineering, utility programs, simulation

FEDERAL SOFTWARE EXCHANGE CATALOG

** Federal Software Exchange Center (FSEC)
5285 Port Royal Road
Springfield, Virginia 22161
(703) 557-4763

Booklet/Report Numbers GSA/ADTS/C-77/1 and
NTISUB/C/040-77/01

Published quarterly

Published January 1977

ACTIVE

This catalog, disseminated under the sponsorship of the General Services Administration, is published to provide a means for identifying software that is already operational in the Federal Government and available for use by other Federal agencies. The FSEC was devised by GSA as a means for insuring that systems once developed and operational are made available to other agencies in the interest of avoiding the time, effort, and expense involved in the replication of software within the Government. This, the first volume does not contain all the abstracts submitted to the FSEC. Later volumes to be published will contain abstracts already received by the Center and not included in the present volume, abstracts the Center is presently receiving and those contained in this volume.

SUBJECTS: procurement, economic analysis, text processing, accounting, data storage, mathematics, search theory, information retrieval, payroll, statistics, utility programs, mapping, chemistry, building technology, budget

COMPUTER PROGRAMS FOR CHEMISTRY

** Department of Chemistry
Institute of Molecular Biophysics
Florida State University
Tallahassee, Florida 32306
(904) 644-3810

Available from:
Academic Press
111 Fifth Avenue
New York, New York 10003
(212) 741-6800

Book (5 vols.)/W.A. Benjamin, Inc.

DeLos F. DeTar, (Editor)

Published 1968

ACTIVE

The purpose of this book is to make available in convenient form a wide range of programs of interest to chemists, and by providing a medium for publication to encourage the discovery and application of quantitative mathematical models to problems in chemistry. This publication has been organized by an editorial board which serves without compensation under the direction of the nonprofit organization Computer Programs for Chemistry, Inc. The programs used have been screened and tested before publication. (We have volumes 1-3 in our collection. Volume 4 is available from Academic Press, 1974. Volume 5 is in the press at the time of this writing.)

SUBJECTS: chemistry, transition energies, least squares, electron spin, angular momentum, chemical shifts, NMR spectrum

CATALOG OF CONTRIBUTED PROGRAMS
HP-65 USERS' LIBRARY

** Advanced Products Division
 Hewlett-Packard Company
 19310 Pruneridge Avenue
 Cupertino, California 95014
 (408) 956-0100

Book

Published April 1974

ACTIVE

This publication is a reference guide to all programs currently available from the HP-65 Users' Library. HP-65 users will find this catalog a convenient source for selecting programs from a wide variety of fields and application areas. Both user contributed and individual Hewlett-Packard developed programs are listed.

SUBJECTS: medical, mathematical, economic order, aerodynamics, kinetic reactions, monetary converters, time zone conversion

HP PROGRAM CATALOG

** Hewlett-Packard Software Center
11000 Wolfe Road
Cupertino, California 95041
(408) 257-7000

Booklet/Report Number HP5950-9226

Published Fall 1970

ACTIVE

The Hewlett-Packard Software Center maintains an inventory of contributed and HP developed software for HP computer users. Source and binary tapes, listing and documentation for these programs can be ordered using this catalog which lists program abstracts. Each abstract contains a brief description of the program and describes hardware and other software requirements.

SUBJECTS: statistics, text editing, games, programming languages, mathematics, utility programs, systems programs

SOFTWARE CATALOG

** Honeywell Information Systems, Inc.
200 Smith Street, MS 486
Waltham, Massachusetts 02154
(617) 964-3100 Ext. 6138 or 6139

Catalog/Order No. AW15,Rev.0
File No. 1ZZ3

Supplemented July 1976

Published April 1976

ACTIVE

This catalog contains Honeywell and user developed software offerings. The software is grouped into four sections according to hardware types. Each section is further divided into industry classification such as manufacturing, finance or medical, etc.

An appendix which describes the procedure interested persons should follow to list their programs with the Application Reference Index (ARI) is included. ARI is a program initiated by Honeywell to link application supply and demand.

Software Catalog Supplement No.1 is the first update of this catalog. Its order number is AW15A,Rev.0.

SUBJECTS: financial management, manufacturing, education, government, medical, engineering

STRUCTURAL MECHANICS COMPUTER PROGRAM LIBRARY

** Engineering Mechanics Division
 IIT Research Institute
 10 West 35 Street
 Chicago, Illinois 60616
 (312) 225-9630

Booklet/Research Proposal 75-85J

R.L. Chiapetta, (Preparer)

Published October 1974

ACTIVE

The IITRI Structural Mechanics Computer Program Library is a project sponsored by a group of organizations representing various industries which have a common requirement to utilize computer software for structural design and analysis problems. The general purpose of the Library is to assist the sponsoring organizations in (1) keeping informed as to the availability of computer programs applicable to problems of interest to them; (2) selecting the "best" programs based on appropriateness, reliability, ease of use, etc.; (3) acquisition of such programs; and (4) implementation of the programs.

SUBJECTS: chemical engineering, medical, engineering mechanics, life sciences, social science research, mathematics

ICP REFERENCE SERIES SOFTWARE DIRECTORY
(Formerly the ICP QUARTERLY)

** International Computer Programs, Inc.
1119 Keystone Way
Carmel, Indiana 46032
(317) 844-7461

Catalog (2 Vols.)

Vol. 1 DATA PROCESSING MANAGEMENT
Vol. 2 BUSINESS MANAGEMENT

Published semi-annually in January and July

ACTIVE

International Computer Programs, Inc. was developed to inform the data processing industry about the time/efficiency advantage of proprietary products. ICP concentrates on the software marketplace, aiding both buyer and seller. Essentially, any saleable program or commercially available data service, documented and/or supported to the extent of being usable by a second user can be listed in the directory. The software may be in any language and may operate on any computer. This publication currently lists over 3600 products and services available to all business and functional disciplines.

SUBJECTS: accounting, banking, civil engineering, business, legal, communications, ecology, education, government, library management, manufacturing, mathematics, statistics, medical, mining

IMSL: COMPUTER SUBROUTINE LIBRARIES IN
MATHEMATICS AND STATISTICS [LIBRARY CONTENTS]

** International Mathematical and Statistical
Libraries, Inc. (IMSL)
Sixth Floor GNE Building
7500 Bellaire Boulevard
Houston, Texas 77036
(713) 772-1927

Manual/IMSL LIB-C005

Later editions published when required

Published September 1975

ACTIVE

IMSL will provide the services and products described in this manual and maintain them at current "state of the science" levels. They will be improved and augmented on a continuous basis, taking into account scientific advances in numerical and statistical computation as well as hardware changes, software improvements and new machine announcements. The Computer Subroutines Libraries in the Mathematical and Statistical (Library Contents) is a manual that provides information on the contents of IMSL libraries, including a brief description of each subroutine.

SUBJECTS: mathematics, statistics, econometrics, sampling, linear programming

APPLICATION PROGRAM INDEX

** Information Processing Center
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
(613) 253-4100

Booklet/General Information Series GI-22 Rev. 2

Published November 25, 1974

ACTIVE

This index lists the application programs provided by the Information Processing Center on the Job Processing System. The programs are organized by function. Descriptions of the programs are also included. Information concerning other programs may be obtained from the Information Processing Center Reading Room.

SUBJECTS: operations research, mathematics, statistics, graphics subroutines

INDEX OF AVAILABLE PUBLICATIONS

Publications Office
Information Processing Center
** Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
(617) 253-6325

Booklet/ General Information Series GI-1-26

Published July 2, 1976

ACTIVE

The Publications Office maintains the inventories of publications produced at the Center, of IBM and Honeywell manuals and of several other manuals for distribution to users. This index lists those publications.

In general, the Publications Office stocks only those IBM manuals relevant to hardware and software currently installed at the Center. Honeywell supplies most of the Multics documents sold by the Publications office, however, other sources also provide Multics documents.

SUBJECTS: biomedical, utility programs, mathematics, simulation, plotting, mapping, statistics

ACRONYMS: INDEX OF COMPUTER PROGRAMS AVAILABLE
AT MICHIGAN STATE UNIVERSITY

** User Information Center
Computer Laboratory
Michigan State University
East Lansing, Michigan 48824
(517) 353-1800

Newsletter

James A. Luckey, (Compiler)

Published 1974

ACTIVE

This particular issue is devoted to an index of programs and subroutines available on the Michigan State University campus for the CDC 6500 computer. Most of the routines listed are made available by the Computer Laboratory User Services Group and the Computer Institute for Social Science Research (CISSR). Descriptions of other routines were gathered by a survey conducted in January 1974, of all campus departments and computer users. While this index is undoubtedly incomplete, its purpose is to help reduce needless duplication of programming efforts.

SUBJECTS: mathematics, statistics, operations research, data handling, curve fitting, probability, chemistry, physics

MINICOMPUTER SOFTWARE DIRECTORY

** Minicomputer Data Services
 20 Coventry Lane
 Riverside, Connecticut 06878
 (203) 637-1755

Reference notebook

John W. Oplinger, (Publisher)

Updated three times annually

Published March 1975

ACTIVE

This Directory is an independent source of information for minicomputer software services. It provides information on the availability of application packages, mini-based systems, consulting and design services, and fully operational turnkey systems for a wide range of data processing requirements. The directory is intended as an information tool for management, technical, and operating staff, professionals, as well as consultants, hardware manufacturers, educators, financial institutions, and government agencies who require information on minicomputer software services.

SUBJECTS: accounting, aerospace applications, business, laboratory automation, data base management, graphics, operations research, medical, mathematics, statistics, education, utility programs, communications, engineering, documentation aids, manufacturing, simulation

ANNOUNCEMENTS OF SOFTWARE RESOURCES

** Scientific and Technical Information Office
National Aeronautics and Space
Administration (NASA)
Code KSI
Washington, D.C. 20546
(202) 755-2210

Availability of programs contact:
Head, Program Sharing Library
Code FD
Manned Spacecraft Center
Houston, Texas 77058

Indexed Abstract Journal

Updated quarterly (last issue Jan. 1973)

INACTIVE

This publication is an indexed abstract journal listing computer programs developed by NASA and its contractors. Programs which are designated "sharable" may be shared within NASA, with other government agencies, and government contractor organizations. Other programs not designated "sharable" are included in the journal for information purposes.

SUBJECTS: aerodynamics, aircraft, auxiliary systems, biosciences, biotechnology, machine elements and processes, masers, materials: metallic and nonmetallic, mathematics, meteorology, navigation, nuclear engineering, general physics, atomic, nuclear, molecular, plasma, solid-state, propellants, propulsion systems, space radiation, space sciences, space vehicles, structural mechanics,

CENTRAL DATA PROCESSING FACILITY:
COMPUTER PROGRAM GUIDE

** Telemetry Computation Branch
 NASA Goddard Space Flight Center
 National Aeronautics and Space
 Administration (NASA)
 Greenbelt, Maryland 20771
 (301) 982-6028

Reference notebook (2 vols.)

J. P. Rogers, (Preparer)
Telemetry Computation Branch

Last updated June 30, 1973

Published June 1969

INACTIVE

This publication was compiled to provide a descriptive guide to computer programs utilized by the Central Data Processing Facility (CDPF). The goal of the Computer Program Guide is to include all programs written for use by the CDPF. When all programs have been documented, efficient use of the Guide will forestall redundant programming efforts on new projects. (Presently there are no plans to continue updating this publication, however, some of the programs listed in the existing version are still available.)

SUBJECTS: astronomy, mathematics, statistics, interplanetary monitoring

MATHEMATICAL COMPUTER PROGRAMS:
A COMPILATION

Technology Utilization Officer
Manned Spacecraft Center
** National Aeronautics and Space
Administration (NASA)
Houston, Texas 77058
(713) 483-2809

Booklet/NASA SP-5069

Prepared by J. Arnold, J. Simpson, and T. Leth
Illinois Technology Research Institute

Published 1966

INACTIVE

This publication outlines several mathematical programs and programming techniques for digital computers (IBM 7094 computer) which are available separately or as a collection through the NASA technology utilization program. Although the functions which these programs perform are not new and similar programs are available in many large computer center libraries, this collection of programs may be useful to centers with limited systems libraries and for instructional purposes for new computer operators. Most of these programs are part of the operating system at North American Aviation, Inc.

SUBJECTS: functions, vector operations,
matrix operations, integration, general
mathematics

NASA ADP RESOURCE SHARING SYSTEM:
COMPUTER PROGRAMS

Lyndon B. Johnson Space Center
(Formerly, Manned Spacecraft Center)
** National Aeronautics and Space
Administration (NASA)
Houston, Texas 77058
(713) 463-2809

Reference notebook (2 vols.)

Updated aperiodically

Published July 1971

INACTIVE

The purpose of this ADP Resource Sharing Manual of Computer Programs is to make available information describing a large number of computer programs. These programs have been developed by NASA and NASA prime contractors and may be shared with government agencies or contractors, providing the programs are not proprietary. Contact COSMIC directly to order documentation and programs.

SUBJECTS: mathematics, statistics, aerodynamics, life sciences, radiation, operations research, information retrieval, space sciences, accounting, utility programs, medical, physics

CATALOG OF THE GSFC COMPUTER PROGRAM LIBRARY

Computer Program Library
Goddard Space Flight Center (GSFC)
** National Aeronautics and Space Administration
Greenbelt, Maryland 20771
(301) 982-2216

Catalog

Published June 8, 1976

ACTIVE

This catalog of computer program abstracts by the GSFC Computer Program Library (CPL) has the goal of facilitating the exchange of program materials and information within the CPL User Group. The abstracts identify and briefly describe each program and, in addition, reflect the type and quantity of materials available from the CPL upon request. Included in this catalog are abstracts of computer programs written for General Purpose Equipment. In general, only such programs designed and developed or acquired and modified under the sponsorship of a GSFC organization are included. This issue of the catalog contains abstracts of all programs in the CPL 'active' data base. A similar catalog is published for programs in the CPL 'inactive' data base. The inactive data base is maintained off-line and contains obsolete programs and programs of less general interest.

SUBJECTS: accounting, astronomical studies, communications, data handling, mathematics, statistics, information retrieval

SOFTWARE EXCHANGE DIRECTORY FOR
UNIVERSITY RESEARCH ADMINISTRATION

** Systems and Software Division
Institute for Computer Sciences and Technology
National Bureau of Standards (NBS)
Department of Commerce
Washington, D.C. 20234
(301) 921-3531

NBS Technical Note 916

Zella G. Ruthberg and
Gloria R. Bolotsky, (Authors)

Published in April 1976

ACTIVE

The one-hundred universities and colleges receiving the largest Federal funding for research and development were sent a survey developed for a Software Exchange Directory of the University Research Administration. Seventy-five institutions sent responses suitable for 83 Directory entries under Administrative Information and 315 Directory entries under Software Package Summaries. An administrative entry contains information on the reporting unit, the basic administrative structure and parameters, computer usage, automated functional areas, and comments. The software packages have been indexed by function, computer used and language used. The detailed entries and indexes should help open communication channels for this community of computer users, thus maximizing transferability of these programs between institutions.

SUBJECTS: management, accounting, graphics, medical, budgeting

COMPUTER SOFTWARE CATALOG

** National Cash Register Corporation (NCR)
Main and K Streets
Dayton, Ohio 45479
(513) 449-5113

Catalog (2nd edition)

Published January 1971

ACTIVE

A growing number of computer users are faced with an increasing need for complex and sophisticated software, and the cost of software development is rising steadily. As an aid in reducing the expenditures for software needed for new applications, NCR offers its users around the world this Computer Software Catalog with a compilation of almost 1,800 abstracts of programs, routines or entire systems that can readily be obtained from a variety of organizations. An investigation into this software developed by trade associations, universities, research institutes, government agencies, EDP equipment manufacturers, software houses, and industrial users can often result in a reduction in duplication of efforts and of cost for systems analysis, programming and for documentation.

SUBJECTS: agricultural, natural resources, manufacturing, transportation

COMPUTER PROGRAMS IN OCEANOGRAPHY

** National Oceanographic Data Center (NODC)
National Oceanic and Atmospheric
Administration (NOAA)
Department of Commerce
Rockville, Maryland 20852
ATTN: ND23
(301) 427-7800

Catalog/Publication C-5 (2nd revision)

C. Dinger, (Compiler)

Published 1970

ACTIVE

This catalog is mainly a compilation of information voluntarily contributed by various individuals and institutions. This is the second major revision of NODC's catalog Computer Programs in Oceanography issued to foster awareness of computer programs related to oceanography and to facilitate their exchange between interested groups.

SUBJECTS: biological oceanography, chemical oceanography, data reduction, editing and special input/output, geoscience, graphical display, applied mathematics, navigation and charting, physical oceanography

KEY TO OCEANOGRAPHIC RECORDS DOCUMENTATION NO.5:
COMPUTER PROGRAMS IN MARINE SCIENCE

** National Oceanographic Data Center (NODC)
Environment Data Service
National Oceanic and Atmospheric Administration
Department of Commerce
Washington, D. C.
(301) 427-7800

Booklet

Mary A. Firestone, (Compiler)

Published April 1976

ACTIVE

Since the last edition of Computer Programs in Oceanography compiled by Cloyd Dinger was published in 1970, the National Oceanographic Data Center (NODC) has received many requests from scientists throughout the international oceanographic community for updated information on available programs. The present edition is in answer to this demand. Abstracts of seven hundred programs supplied by nearly eighty institutions in ten countries are included. Most of the programs listed are not available from the NODC, however, many published programs are available from the National Technical Information Service, Springfield, Virginia 22151 and the Government Printing Office, Washington, D.C. 20402.

SUBJECTS: graphics, chemistry, ecology, oceanography, geophysics, biology, pollution, fisheries

DIRECTORY OF COMPUTER PROGRAMS
OF FEDERAL CONSTRUCTION AGENCIES

** Building Research Advisory Board
Division of Engineering
National Research Council
2101 Constitution Avenue, N. W.
Washington, D. C. 20418
(202) 389-6497

Booklet/Survey of Practice Report No. 9
Contract Number NBS 74-70-5

Published 1970

ACTIVE

Federal agencies are using computers to assist in dealing with engineering and management problems related to the design and construction of buildings and other facilities. This has given rise to a proliferation of computer programs and routines to treat specific problems, and in turn, to a growing concern about the actual and potential duplication of effort among the various agencies. The purpose of this booklet is to facilitate the exchange or sharing of programs among the agencies. This report is available on a loan basis to interested persons within the Federal agencies. Requests should be submitted in writing.

SUBJECTS: operations research, mechanical engineering, materials engineering, civil engineering, mathematics, hydraulics

DIRECTORY OF COMPUTERIZED DATA FILES,
SOFTWARE AND RELATED TECHNICAL REPORTS

** National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, Virginia 22161
(703) 557-4650

Booklet/(NTIS/SR-75/02)

Revised annually

Published 1976

ACTIVE

This is the second edition of the NTIS Directory of Computerized Data Files and Related Software that was published in March 1974. This directory is a unique guide to machine-readable data files, data bases and related software available to the public from Federal agencies. It is a bibliographic reference offering direct mail-order service for items available from the NTIS. This edition features an update of the listings in the 1974 edition, additions of another 500 computerized files, and additions of related documentation and technical reports. (A copy of this directory will be in the NBS main library.)

SUBJECTS: environment and geography, population, income expenditures and wealth, labor force, employment and earnings, transportation, biological and medical sciences, chemistry, civil engineering, structural and marine engineering, communications systems, computers, control and information theory, earth sciences, mathematical sciences, simulation and models, urban technology

NOL SUBROUTINE LIBRARY

** Naval Ordnance Laboratory (NOL)
 White Oak
 Silver Spring, Maryland 20910
 (301) 394-1293

Computer listing

September 1974

ACTIVE

This printout consists of two listings for the same programs available from NOL. One is in numerical order by application area, while the second is an alphabetical listing of programs included in the library. A brief description of the function of each program is provided.

SUBJECTS: utility and systems programs, mathematics, statistics, operations research, information processing, engineering

FEDERAL INFORMATION PROCESSING STANDARD
SOFTWARE SUMMARY FOR THE CDC-3300 COMPUTER

** Naval Underwater Systems Center
Computational Facility
Newport Laboratory
Newport, Rhode Island 02840
(401) 548-3569

Catalog/2nd revision of January 1975 issue

Updated aperiodically

Published February 1975

ACTIVE

The Federal Information Processing Standard Publication (FIPS PUB 30) provides a standard software summary form for describing computer programs for identification, reference, and dissemination purposes. This second publication is a revision of the January 1975 edition. In the future, only additions to this publication will be reproduced and distributed.

SUBJECTS: functional flowcharts, military programs, mathematics, management

CATALOGUE OF COMPUTER PROGRAMS FOR
DATA PROCESSING OF COUNTING DATA

** Packard Instrument Company, Inc.
2200 Warrenville Road
Downers Grove, Illinois 60515
(312) 965-6000

Booklet

Updated aperiodically

Collected from 1966 to 1971

ACTIVE

This service is offered as a rapid means of communications for people interested in data processing of liquid scintillation, chromatography, and other types of counting data. The program listings have been reproduced from listings provided by the developers. Packard Instrument Company is not responsible for any programming errors which may be in the listing. The limit of responsibility will be to supply missing pages of any listings which may occur during collating.

SUBJECTS: isotope disintegration rates, paper chromatography, gamma counting, liquid scintillation, electronuclear division, Mossbauer Effect, gas chromatography

THE PRIME COMPUTER SOFTWARE GUIDE

** Prime International
145 Pennsylvania Avenue
Framingham, Massachusetts 01701
(617) 879-2960

Booklet

Updated aperiodically

Published August 1, 1974

ACTIVE

This booklet is about Prime Computer Software; what it does, how it is made available, how its performance is warranted, what hardware is required before it can be used, and the most effective hardware for its operation. This guide is divided into three sections. Section one summarizes what software is available. Section two provides detailed information about all system software. The last section presents an index to all Prime system software.

SUBJECTS: language processors, operating systems, text editor, linking loader, sorting, test and maintenance routines

QCPE. QUANTUM CHEMISTRY PROGRAM EXCHANGE
CATALOG AND PROCEDURES

** Quantum Chemistry Program Exchange (QCPE)
Chemistry Department, Room 204
Indiana University
Bloomington, Indiana 47401
(812) 337-4784

Booklet

Issued Annually in February

Supplemented Quarterly with QCPE Newsletter

Last updated 1976

ACTIVE

This publication lists programs collected in QCPE. QCPE attempts to provide a convenient and effective means for taking advantage of computing in conjunction with research. It operates a central exchange from which researchers can obtain operating computer systems or deposit them for posterity. QCPE's success at this task is directly due to the willingness of many researchers to make available programs which they have developed.

At its origin QCPE was concerned only with programs in quantum chemistry, but in recent years has begun to handle computer programs for chemistry in general. It is intended that this broader scope of operation will continue, eventually including systems from chemical engineering as well.

SUBJECTS: Huckel Theory, chemical systems, crystallographics, titration, mathematics, quantum chemistry

CPST: COMPUTER PROGRAMS IN
SCIENCE AND TECHNOLOGY

** Sciences Associates International Inc.
23 East 26th Street
New York, New York 10010
(212) 532-1955

Journal

Charles N. Doersam, Jr. and
Lynda Sloan, (Editors)

Updated quarterly

Collected from 1971 to 1973

Suspended

The role of CPST is to alert the scientist to a possible solution to a specific problem. It is intended for scientists, engineers, technicians, and researchers who want to use their computer more effectively. CPST is concerned only with programs having scientific and technical applications. Business programs will be included only when, in the opinion of the editors, the solution is applicable to scientific uses if the program itself is an advance in computer science. CPST references innovative, creative and unique computer solutions to scientific and technical problems for all countries, written for all types of equipment.

SUBJECTS: biology and medicine, chemistry, civil engineering, computer science, mathematics, statistics, electrical engineering, transportation, accounting, games, government, graphics, operations research, physics

SHARE PROGRAM LIBRARY USER'S GUIDE
AND CATALOG OF PROGRAMS

** SHARE Program Library Agency
Triangle Universities Computation Center
P.O. Box 12076
Research Triangle Park, North Carolina 27709
(919) 549-0671

Booklet

Published January 1, 1976

ACTIVE

The principal purpose of SHARE Inc. is to foster the development, free exchange and public dissemination of research data pertaining to SHARE computers in the best scientific tradition. SHARE attempts to establish and continually improve standards for communicating computer scientific research and programming information to interested members of the public.

The SHARE Program Library is a collection of generally useful programs created and administered to promote the exchange of technical information, to lower software development costs, and to help avoid redundant effort. The SHARE Program Library Agency is operated on a non-profit basis by the Triangle Universities Computation Center (TUCC).

SUBJECTS: accounting, biochemistry, engineering design, mathematics, statistics, utility programs, ecology, simulation, translators, water flow in soil

COMPUTER PROGRAM DEVELOPMENT
LIBRARY (CPDL) CATALOG

** Computer Program Development Library (CPDL)
 c/o System Development Corporation (SDC)
 2500 Colorado Avenue
 Santa Monica, California 90406
 (213) 829-7511 ext. 2382

Catalog/TM-(L)-5319/002/04

Updated aperiodically

Published January 1, 1977

ACTIVE

The CPDL is a facility designated to act as the custodian and official depository for all Air Force Satellite Control Facility (AFSCF) computer program products and associated documentation. The CPDL consists of a facility located at SDC in Santa Monica, California and an annex at SDC's Santa Clara, California Facility (CPDLA).

This catalog is the System Allocation Document. It lists documentation and tapes/disks received by the CPDL and all data products contained in the Development Support Data Bank.

SUBJECTS: exponential and logarithmic,
information processing, statistical analysis
and probability, executive routines, diagnostic programs, service programs.

TENNESSEE VALLEY AUTHORITY
PROGRAM ABSTRACT CATALOG

Scientific Application Section
Computing Center
205 CPO

** Tennessee Valley Authority (TVA)
Chattanooga, Tennessee 37401
(615) 755-2968

Reference notebook

Updated aperiodically

Collected from 1968 to 1972

INACTIVE

This catalog is intended for use as a reference for persons who wish to use the 360 computer as an aid in solving problems. Use of the catalog may suggest further uses of the computer. It may also reduce duplications in programming effort by publicizing the existence of the wide variety of programs in use throughout TVA.

Further expansion and updating of this catalog has been suspended. However, the programs are still available for sharing within government agencies. (The catalog was last updated in May 1972. More recent updates have not been produced by TVA.)

SUBJECTS: statistics, computer simulation, engineering, operations research, marketing, management, mathematics, accounting

BMD: BIOMEDICAL COMPLIER PROGRAMS

** University of California
2223 Fulton Street
Berkeley, California 94720
(415) 642-6682

Manual/Library of Congress Number 67-65423

W. J. Dixon, (Editor)

Published 1971 (2nd edition)

ACTIVE

This text has prepared in a unified manner, the various computer programs which have proved useful in many types of medical research projects at UCLA.

The previous edition contains 47 programs. Some of these have been dropped, some have been improved, and new programs have been added. The program numbers have been changed since essential changes have been made in most of the programs which have been retained. These changes have been made to simplify their use, to provide more uniformity from one program to another, and to achieve greater efficiency in the face of variations in use and variations in computer systems. (The 1974 edition is available from the University of California.)

SUBJECTS: multivariate analysis, regression analysis, contingency table analysis, trans-generation, time series analysis, variance analysis, medicine, biology

BMD: BIOMEDICAL COMPUTER PROGRAMS:
X-SERIES SUPPLEMENT

** Health Sciences Computing Center
University of California
2223 Fulton Street
Berkeley, California 94720
(415) 642-4247

Manual/Library of Congress Number 67-65423

W. J. Dixon, (Editor)

Published 1970

ACTIVE

The purpose of this manual is to provide documentation of the X-Series BMD programs. These programs perform data processing and statistical tasks, and most of the programs have been extensively used on "production type" problems.

X-Series programs are BMD programs developed after 1965. These have been published in a separate catalog to avoid restructuring of the BMD series to combine the two sets of programs in the same package, since this would serve to complicate things for users who are satisfied with the original versions.

SUBJECTS: multivariate analysis, factor analysis, canonical analysis, survival rate analysis, transgeneration, sorting, medicine, biology

LATEST GROUP-A PROGRAMMING NOTES

** Lawrence Radiation Laboratory
University of California
Berkeley, California 94720
(415) 843-2740

Announcement

Collected from 1967 to 1975

Dated August 6, 1969

ACTIVE

This list contains programming notes available upon request. Each entry is comprised of the name of the program, a brief description, author, and date. Announcements of Programming Notes are sent automatically to persons on the mailing list.

SUBJECTS: physics, mathematics, statistics, programming notes

NATIONAL PROGRAM CATALOGUE FOR UK UNIVERSITIES:
AN INDEX OF SOFTWARE IN SERVICE

** The Director
 Program Unit Library
 18 Buccleuch Place
 University of Edinburgh
 Edinburgh, Scotland

 Catalog/Preliminary Issue

 Published September 1973

 UNKNOWN

 This publication has been prepared for use by advisory services and libraries who respond to inquiries from users of university computer installations. It contains operational software services, mostly available to users through networks or star connections to large computer centers, on a formally released and maintained basis. This edition contains about 1800 entries.

SUBJECTS: programming, mathematics, statistics, social sciences, digital simulation, information processing, business applications, physics, chemistry, biology, engineering, medical applications

INDEX TO COMPUTER
ASSISTED INSTRUCTION

** Instructional Media Laboratory
 University of Wisconsin-Milwaukee
 P.O. Box 413
 Milwaukee, Wisconsin 53201
 (414) 963-4788

Manual/(2nd edition)

Helen A. Lekan, (Editor)

Published February 1970

ACTIVE

This second edition of this publication was prepared as a result of two considerations: the encouraging reception and interest stimulated by the first edition, and the very rapid development of computer assisted instruction (CAI) materials.

The information provided for each program should enable prospective users to identify related programs and projects and make it possible to initiate communication and possible cooperation with the program developers. (There is a 1976 edition available from the Instructional Media Laboratory.)

SUBJECTS: accounting, business, geosciences, engineering, medical, art, education, health, mathematics, vocational rehabilitation, astronomy, anthropology, biology, chemistry, psychology, reading

ABSTRACTS OF AVAILABLE SOFTWARE

Documentation Librarian
Computing and Data Processing Center (CDPC)
** Wayne State University
5950 Cass Avenue
Detroit, Michigan 48202
(313) 577-2091

Booklet

ACTIVE

This publication is a second attempt in producing a reference document describing available documentation which may prove useful to the CDPC user community in locating software of interest. It is expected that current versions of this publication can be produced about every year coinciding with the beginning of the academic year.

SUBJECTS: medical, information retrieval, matrix operations, census, mathematics, statistics, social sciences

Section II: SUPPLEMENTARY PUBLICATIONS

APEC JOURNAL

Automated Procedures for Engineering
Consultants, Inc. (APEC)
Grant-Deneau Tower
Suite M-15
Fourth and Ludlow Streets
Dayton, Ohio 45402
(513) 228-2602

Newsletter-Journal

Published bi-monthly

ACTIVE

This newsletter is published from the APEC Executive Office to communicate the activities of APEC and items of personal interest to members and other interested persons. APEC Journal often includes computer program applications in the area of engineering. The programs are maintained in the APEC Library.

"Abstracts of BETA Programs" is the title of an APEC Journal special issue. It includes programs which have been made available to APEC for use by its members through special arrangements with the program authors.

Section II: SUPPLEMENTARY PUBLICATIONS

BEHAVIOR RESEARCH METHODS
AND INSTRUMENTATION

The Psychonomic Society, Inc.
1108 West 34th Street
Austin, Texas 78705
(512) 454-1211

Journal

Joseph B. Sidowski, (Editor)
Department of Psychology
University of South Florida
Tampa, Florida 33620

Published bimonthly

ACTIVE

This journal publishes articles in the area of methods, techniques and instrumentation of research in experimental psychology. A section on computer technology is regularly included, and occasionally, there is a section on Program Abstracts and Algorithms.

SUBJECTS: psychology

Section II: SUPPLEMENTARY PUBLICATIONS

COMPUTER DECISIONS

Hayden Publishing Company
51 Essex Street
Rochelle Park, New Jersey 07662
(201) 843-0550

Journal

Published monthly

SECTION TITLE:

"New Developments - Software"

ACTIVE

This journal is published to meet the needs of individuals involved in computer manufacturing or the computer user industry. There are occasional feature articles on software products and design.

COMPUTER PHYSICS COMMUNICATIONS

North-Holland Publishing Company
P.O. Box 211
Amsterdam, The Netherlands

52 Vanderbilt Avenue
New York, New York 10017
(212) 686-5277

Journal

Published monthly

ACTIVE

Computer Physics Communications (CPC) is a means to facilitate the exchange of physics programs and of relevant information about the use of computers in the physics community; also, to prevent unnecessary duplication of efforts. CPC will enable physicists who develop important programs and computing techniques to obtain appropriate credit and recognition. The journal will also provide a forum where good programming practices can be established and where physicists can discuss and influence developments in the world of computer technology and software. Programs will be held in a program library.

SUBJECTS: physics, computer simulation, mathematics

Section II: SUPPLEMENTARY PUBLICATIONS

COMPUTER PROGRAM PRODUCTS AND SERVICES IN MATHEMATICS AND STATISTICS

International Mathematical and Statistical
Libraries, Inc. (IMSL)
Sixth Floor, GNB Building
7500 Bellaire Boulevard
Houston, Texas 77036
(713) 772-1927

Manual/IMSL G-C004

Published August 1, 1976 (3rd edition)

ACTIVE

This manual contains a description of IMSL's subscription services to libraries in mathematics and statistics, which are maintained at the level of current technology. Statements on library content are included.

IMSL will provide the services and products described and maintain them at current "state of the science" levels. They will be improved and augmented on a continuous basis, taking into account scientific advances in numerical and statistical computation as well as hardware changes, software improvements, and new machine announcements.

SUBJECTS: mathematics, statistics

COMPUTER PROGRAMS IN BIOMEDICINE

North-Holland Publishing Company
P.O. Box 211
Amsterdam, The Netherlands

52 Vanderbilt Avenue
New York, New York 10017
(212) 686-5277

Journal

Published quarterly

ACTIVE

This journal has been established as a service to biologists, medical researchers, practitioners, chemists, physicists, psychologists, epidemiologists, statisticians, computer scientists, programmers and engineers, actively engaged in the field of biomedical information processing. The aims of the journal are: (1) To promote the use of the computer methods in biomedicine by an international exchange of information on software. (2) To make readers aware of the possible applicability of the published computer methods for their own purposes, so as to avoid duplication of effort. (3) To foster good programming practice in the field of biological and medical sciences. (4) To provide updated information about programs and systems published earlier in the journal.

SUBJECTS: medicine, biology, physics

Section II: SUPPLEMENTARY PUBLICATIONS

COMPUTER WEEKLY

IPC Electrical-Electronic Press Ltd.
Dorset House
Stamford Street
London. SE1 9LU
England
(01) 261-8000

Newspaper

Published weekly

SECTION TITLE: "Software File"

ACTIVE

Computer Weekly is published to serve the needs of computer personnel. It is one of Britain's leading computer publications. "Software File" which deals with software development is included in each issue.

Section II: SUPPLEMENTARY PUBLICATIONS

COMPUTERWORLD

Computerworld, Inc.
797 Washington Street
Newton, Massachusetts 02160
(617) 965-5800

Newspaper

Published weekly

SECTION TITLE: "Software and Services"

ACTIVE

"Software and Services" frequently includes descriptions of programs and covers software in general. It may prove to be an excellent source for the computer person who wants to keep abreast of marketable software.

Section II: SUPPLEMENTARY PUBLICATIONS

DATA COMMUNICATIONS USER

Datacomm User, Inc.

(Subsidiary of Computerworld, Inc.)

60 Austin Street

Newtonville, Massachusetts 02160

(617) 964-4550

Journal

Published monthly

SECTION TITLE: "Software and Services"

(Included in certain issues)

ACTIVE

This journal is published to meet the needs of computing personnel involved in data communications and provides a roundup of the latest offerings for interested users.

Section II: SUPPLEMENTARY PUBLICATIONS

DATA PROCESSING

IPC Electrical-Electronic Press Ltd.
Dorset House
Stamford Street
London, SE1 9LU
England
(01) 261-8000

Journal

Published monthly

SECTION TITLE:

"SPECIAL SURVEY: Software Services"
(Included in certain issues)

ACTIVE

The section on software consists of articles describing software development, usage, evaluation and reliability. Personnel involved with software will find these articles useful in helping them keep up with new advances in software packages.

Section II: SUPPLEMENTARY PUBLICATIONS

DATA PROCESSING DIGEST (DPD)

Data Processing Digest, Inc.
6820 La Tijera Boulevard
Los Angeles, California 90045
(213) 776-4334

Newsletter

Published monthly

SECTION TITLE: "Programming and Software"
(Included in certain issues)

ACTIVE

This newsletter is written for the computer professional and the manager who uses computer technology for planning, control, and production. DPD searches through numerous publications in the areas of business and industry to locate articles on computer technology and its application to business and management. The section on software gives analyses of software systems and techniques.

Section II: SUPPLEMENTARY PUBLICATIONS

DATAMATION

Technical Publishing Company
1301 South Grove Avenue
Barrington, Illinois 60010
(312) 381-1840

Circulation and Advertising Offices
35 Mason Street
Greenwich, Connecticut 06830
(203) 661-5400

Journal

Published monthly

SECTION TITLE: "Software and Services"

ACTIVE

Datamation is published to meet the needs of employees of companies involved with automatic information handling equipment. The section entitled "Software and Services" appears in each issue and analyzes software programs and techniques.

Section II: SUPPLEMENTARY PUBLICATIONS

DECUSCOPE

Digital Equipment Computer
Users Society (DECUS)
Digital Equipment Corporation
146 Main Street
Maynard, Massachusetts 01754
(617) 897-5111 Ext. 5454

Bulletin

Maura A. Burke, (Editor)

Published bimonthly

ACTIVE

Decuscope is the official bulletin of DECUS. It has been published since April 1962. Features include "DECUS Library Notes" and "Programs Available from Authors".

EDP ANALYZER

Canning Publications, Inc.
925 Anza Avenue
Vista, California 92083
(714) 724-3233

Journal

Richard G. Canning, (Editor and Publisher)

Published monthly

ACTIVE

The EDP Analyzer focuses on a variety of areas in the computing industry. Each month the entire publication is devoted to a specific topic. This publication often deals with subjects on computer software in which various software products are highlighted as examples.

Section II: SUPPLEMENTARY PUBLICATIONS

EDP WEEKLY

EDP News Services of Washington
(Subsidiary of Industry Report, Inc.)
7620 Little River Turnpike
Annandale, Virginia 22003
(703) 354-9400

Newsletter

Published weekly

SECTION TITLE: "Software Notes"
(Included in certain issues)

ACTIVE

This newsletter provides a weekly computer news summary. The section on software reports on new software developments or software improvements announced by the various computer companies.

IMSL NUMERICAL COMPUTATIONS NEWSLETTER

International Mathematical and Statistical
Libraries, Inc. (IMSL)
Sixth Floor, GNB Building
7500 Bellaire Boulevard
Houston, Texas 77036
(713) 772-1927

Newsletter

Published quarterly

ACTIVE

This newsletter provides information relevant to several aspects of the IMSL Library, which contains computer programs in the area of mathematics and statistics.

SUBJECTS: mathematics, statistics

Section II: SUPPLEMENTARY PUBLICATIONS

INFOSYSTEMS

Hitchcock Publishing Company
Hitchcock Building
Wheaton, Illinois 60187
(312) 665-1000

Journal

Published monthly

SECTION TITLE: "Software Info"

ACTIVE

See the July 1976 issue for a compiled sampling of software package summaries. The summaries are divided into the categories listed below, among others (see subjects).

SUBJECTS: data base management, information storage and retrieval, accounting, payroll, project control, data communications

THE MINICOMPUTER APPLICATIONS ANALYZER

Applied International Management
Services, Inc.
70 Boston Post Road
Route #20
Wayland, Massachusetts 01778
(617) 358-4903

Professional Advisory Publication

Published monthly

ACTIVE

This publication is designed to help current and potential minicomputer users successfully find their way through problems that exist in purchasing and utilizing the minicomputer which best fits their needs. It concentrates on providing guidelines and examples on how to obtain the most effective results from a minicomputer system. Each month a major topic relevant to minicomputers is reviewed in-depth. Topics under development are PACKAGED MINICOMPUTER APPLICATION SOFTWARE and DOCUMENTATION GUIDELINES.

Section II: SUPPLEMENTARY PUBLICATIONS

MINI-MICRO SYSTEMS
(Formerly Modern Data)

Modern Data Services, Inc.
5 Kane Industrial Drive
Hudson, Massachusetts 01749
(617) 562-9305

Journal

Published monthly

SECTION TITLE: "New Software and Services"

ACTIVE

This journal is published to meet the needs of corporate and technical management, systems engineers, system analysts, EDP managers, software specialists and other computing personnel. "New Software and Services" is a regular feature which provides descriptions of software products.

MUMPS NEWS

Dr. Joan Zimmerman
MUMPS Users' Group (MUG)
700 South Euclid Avenue
St. Louis, Missouri 63110
(314) 454-3364

Newsletter

Published monthly

ACTIVE

This newsletter reports on the activities of the members of the MUMPS Users' Group, on MUMPS applications, and on the progress of the MUMPS Development Committee. The primary purpose of the newsletter is to keep MUMPS users informed of MUMPS activities and to provide a mechanism for information exchange. Some issues of the MUMPS News are distributed free upon request, being currently sponsored by the National Center for Health Services Research, HRA, DHEW.

SUBJECTS: medicine, health

Section II: SUPPLEMENTARY PUBLICATIONS

PACKAGED SOFTWARE REPORTS

Management Information Corporation
140 Barclay Center
Cherry Hill, New Jersey 08034
(609) 428-1020

Newsletter-Journal

Published monthly

ACTIVE

This publication is concerned with evaluating software products. It discusses the benefits to be gained from proper management and utilization of software systems and packages. It dwells on one basic subject per issue, then includes a write-up of a specific package as an example.

Section II: SUPPLEMENTARY PUBLICATIONS

SOFTWARE DIGEST

EDP Newsletter of Washington
7620 Little River Turnpike
Annandale, Virginia 22003
(703) 354-9400

Newsletter

Edward T. O'Connell, Jr., (Publisher)

Published weekly

ACTIVE

This publication provides a weekly
roundup of significant developments in all
areas of the Computer Software Industry.

SYSTEM/32 BULLETIN

International System/32 Users (I.S.U.)
1700 E. Desert Inn Road
Suite 109
Las Vegas, Nevada 89109
(702) 734-8444

Bulletin

Published June 1975

ACTIVE

This bulletin is published to inform users of IBM System/32 computers of hardware and software developments and requirements for the System/32. The Newsletter is also aimed at aiding in the sharing of software and includes a feature, "System Library", which lists software programs with abstracts.

USDA FOREST SERVICE GENERAL
TECHNICAL REPORT PSW-9

Pacific Southwest Forest and Range
Experiment Station
Forest Service
U. S. Department of Agriculture
P. O. Box 245
Berkeley, California 94701
(415) 486-3382

General Technical Report

Romain M. Mees, (Author)

Published 1974

ACTIVE

This and other publications from the Pacific Southwest Forest and Range Experiment Station describes software used by the Forest Service. The "General Technical Report" is a series of Forest Service research publications that complement the series "Research Paper", "Research Notes" and "Resource Bulletin".

UNIVERSITY OF MARYLAND COMPUTER
SCIENCE CENTER NEWSLETTER

University of Maryland
Computer Science Center
College Park, Maryland 20742
(301) 454-4261

Newsletter

Published March 1976

ACTIVE

The University of Maryland Computer Science Center operates UNIVAC 1106 and 1108 multiprocessing, time-sharing systems. Software supported by the Center includes FORTRAN, COBOL, ALGOL, OMNITAB, APL, BASIC, RALPH, DOCUMENT PROCESSOR, TEXT EDITOR, BMD, SPSS, and STATJOB. Information about other specialized software is available from the Program Library.



Section III: COMPUTER USERS GROUPS

ASCUE (Association of Small Computer Users in Education)

Dan Kinnard
ASCUE Director of Public Relations
New Mexico Military Institute
Rosewell, New Mexico 88201
(505) 622-6250

ACTIVE

In July 1968 the College and University Eleven-Thirty Users' Group (CUETUG) was formed as an organization of IBM 1130 users in the field of higher education. In June 1975 the name was changed to ASCUE--still dedicated to the service of education through the use of small computers but now open to all.

The purposes of the organization are to encourage appropriate use of computing equipment and techniques, to supply members with the information on current data processing methods, and to cooperate with manufacturers in establishing technical standards and in meeting new needs for special devices and systems. A library of computer programs is maintained and made available to members.

Section III: COMPLTER USERS GRUPS

CARS User Group

William Wilson
International Paper Company
220 East 42nd Street
New York, New York 10017
(212) 490-5633

ACTIVE

This group, established in 1971, was formed to provide mutually accessible files of CARS procedures and promotes exchange of computer audit concepts and techniques. CARS (Computer Audit Retrieval System) itself is a complex program developed as a computer tool for the auditing community. Membership is open to users of IBM 360 and 370, Honeywell 2000 and 6000, NCR Century Series, Burroughs 2500 and 3500, Univac 1106 and 1108 and 494, and ICL 4 computers.

Section III: COMPUTER USERS GROUPS

C.C.I. User Group

Bill Marshman
C.C.I. User Group
Computer Communications, Inc. (CCI)
2610 Columbia Street
Torrance, California 90503
(213) 320-9101

ACTIVE

This group was established in 1974 to promote communication among the members, to interchange information and experiences among the CCI users, to promote hardware and software documentation standards, and to exchange available user software.

Membership is open to customer organizations having either a CCI Communications Processing System installed or on order.

Section III: COMPUTER USERS GROUPS

CHUG (Cooperative Health-Care Users Group)

Mary Schroy
Director of Data Processing
St. Ann's Hospital
1555 Bryden
Columbus, Ohio 43205
(614) 251-4000 Ext. 4282

ACTIVE

A member of the Federation of NCR Users, CHUG is an association of computer oriented professionals in the health care industry who are working in on-site installations dedicated to NCR computer hardware. CHUG, as an idea, began in August 1969 at the close of the American Hospital Association Convention in Chicago, Illinois. At that time CHUG was to include only hospital users.

Today membership is expanded to include nursing homes, clinics, data centers, service bureaus, and other interested persons in the health care field.

One of its proudest products is the CHUG Library of Systems and Utility Programs, already numbering more than 100 programs. They are available to most members for only the reproduction costs.

Section III: COMPUTER USERS GROUPS

COMMON

COMMON
435 N. Michigan Avenue
Suite 1717
Chicago, Illinois 60611
(312) 644-0828

ACTIVE

The COMMON Users Group was organized in 1960 as the 1620 Users Group to discuss problems common to IBM 1620 installations. With the advent of System 360 and the 1130 and 1800 computers, the name was changed to COMMON.

Membership now consists of users of Systems 32, 3, 1130, 1800, 5100, DOS/VS, and OS/VS. The objective of COMMON is to advance the effective usage of equipment among users of IBM computers and data processing machines.

COMMON holds meetings twice per year and publishes a newsletter, Cast, to communicate with its members. It maintains a program library of well documented programs and abstracts on a variety of applications for all COMMON systems.

COSMIC (Computer Software Management
and Information Center)

Computer Software Management and
Information Center
Barrow Hall
University of Georgia
Athens, Georgia 30601
(404) 542-3265

ACTIVE

COSMIC was established to collect and disseminate to the public computer software developed by government agencies. Since 1966 thousands of computer programs in all areas of aerospace, engineering, mathematics, business, and industry have been distributed to companies and industries throughout the United States. COSMIC accepts programs from various government agencies including the National Aeronautics and Space Administration, the Atomic Energy Commission, and the Department of Defense.

In addition to functioning as a software clearing-house for the dissemination of computer software to U. S. organizations and individuals, COSMIC offers a customized search device to inquirers. COSMIC will make every effort to satisfy their requirements by providing an in-house search for the necessary programs. COSMIC will send information describing programs in the COSMIC library related to their needs. By utilizing the services of COSMIC, duplication of effort could be avoided.

An indexed collection of abstracts of all the computer programs in the COSMIC inventory can be obtained by subscribing to the Computer Program Abstracts journal. The subscriptions to this journal are handled by the Superintendent of Documents, Washington, D.C.

Section III: COMPUTER USERS GROUPS

DECUS (Digital Equipment Computer Users Society)

Digital Equipment Computer Users Society
Digital Equipment Corporation (DEC)
146 Main Street
Maynard, Massachusetts 01754
(617) 897-5111 Ext. 5454

ACTIVE

DECUS is the user society of DEC computer users. Members are users of all DEC PDP's (Programmed Data Processors), DEC System-10 and LINC-8's.

To accomplish its purpose of promoting an interchange of information, DECUS holds two general meetings per year in the U. S., once a year in Europe, Australia and Canada and seminars on specified subjects. DECUS maintains a Program Library and publishes a newsletter, DECUSCOPE.

Section III: COMPUTER USERS GROUPS

ECHO (Electronic Computing Health Oriented)

Gene Thompson, Chief
Health Information System
Los Angeles County
Department of Health Services
313 N. Figueroa Street, Sixth Floor
Los Angeles, California 90012
(213) 974-9675

ACTIVE

The ECHO organization was founded in 1965, as an IBM user group, to provide the missing communications link among data processing personnel within the health care industry. Membership to date includes hospitals, medical research organizations, state hospital associations, and Data Processing Centers for hospitals. Membership is open to employees of any hospital or medically related facility having IBM equipment installed or on order.

ECHO's monthly newsletter is the communication link between members. The Boondocks is an informal publication which provides information on new applications, exchange of information and other pertinent data. By sharing ideas, techniques, applications, and other information and by keeping abreast of new developments in the field, ECHO hopes to limit redundant efforts and generally improve data processing efforts.

EIN (Educational Information Network)

EDUCOM
P.O. Box 364
Rosedale Road
Princeton, New Jersey
(609) 921-7575

INACTIVE

The EIN was a project of the Inter-university Communications Council (EDUCOM). EDUCOM is a consortium of 118 colleges, universities, and nonprofit educational institutions. Its purpose was to promote the sharing of physical and intellectual resources and to encourage the more effective use of computer and communications technology in higher education.

EIN was established by EDUCOM with support from the U. S. Office of Education and the National Science Foundation, to provide a means for users to transport data to the institution maintaining a program of computer facility, rather than trying to transport the program to the user's institution. Programs and facilities that were available through EIN are listed in the EIN Software Catalog. EIN ceased operation as of December 31, 1972. Programs are not held by EDUCOM but may frequently be obtained directly from the holding institution for a nominal charge. Direct inquiries on specific programs to EDUCOM where they will be forwarded to the holding institution.

Section III: COMPUTER USERS GROUPS

FOCUS International (Forum of Control Data Users)

C. P. Hoffman
St. Louis ADP Center
330 Mansion House
St. Louis, Missouri 36102
(314) 425-5031

ACTIVE

FOCUS, formed in 1968, provides a medium for the exchange of ideas, experience and computer programs among CDC user installations, and also between members of Control Data.

The Constitution and By-laws provide for the establishment of two types of working committees: Mainframe Groups whose members have or use like computers; and Special Interest Groups whose members share common interests independent of their computing equipment. There are also four FOCUS-wide standing committees: Peripheral Hardware, Standards, Conference Planning and Nominations.

The FOCUS User Group Program Library is under the cognizance of the Standards Committee. Control Data customers may receive programs at no charge.

Section III: COMPUTER USERS GROUPS

GAUGE (General Automation Users Group Exchange)

ATTN: Michele White
General Automation, Inc.
1055 South East Street
P. O. Box 4883
Anaheim, California 92803
(714) 778-4800

ACTIVE

GAUGE is a special interest group for General Automation computer users. Its objective is to offer possible solutions to problems dealing with hardware and software for General Automation equipment.

GAUGE holds meetings and publishes a newsletter as a means of communicating with its members.

GAUGE maintains a program library which consists of programs contributed by General Automation employees and/or customers. The programs are listed in a catalog which is available from General Automation, Inc.

Section III: COMPUTER USERS GROUPS

GET (General Electric Two-Hundred)
Computer Users' Association

Charles R. Swartz
GET Users Association
P. O. Box 2127
Huntington, West Virginia 25721
(304) 529-2318

ACTIVE

GET was established in 1961 to promote information interchange among users of GE200 line of computers. The group holds annual meetings as one means of carrying out its objectives.

Section III: COMPUTER USERS GROUPS

GUIDE (Guidance of Users of Integrated Data Processing Equipment)

Barbara Ann Evensen, Secretary
GUIDE International Corporation
One Illinois Center
111 East Wacker Drive
Chicago, Illinois 60601
(312) 644-6610

ACTIVE

GUIDE, formed in 1965, is an organization of computer users established to promote sound and professional practices and to exchange and disseminate information of interest and value to its members. The minimum equipment configuration in use by the member organization should be an IBM 360/40 or 370/115.

To carry out its objectives, GUIDE is organized into functional divisions, groups, and projects. Within the projects, IBM products and services are discussed and evaluated. There are nearly 100 working projects within GUIDE. GUIDE projects make an in-depth analysis of IBM products (mostly software) and provide IBM with requirements asking for improvements or additions.

GUIDE holds meetings semi-annually in the spring and fall. The subject matter consists of various facets of data processing.

HP USERS (Hewlett-Packard Users Library)

Contact
Local Hewlett-Packard Sales Office

ACTIVE

The Hewlett-Packard Users Library maintains a library of over 1000 contributed applications programs for HP computer users. The library is subdivided into HP BASIC; HP 2100 programs in FORTRAN, ALGOL, and Assembler; and HP 3000 programs. The HP BASIC library also serves as an exchange forum for the Hewlett-Packard Educational Users Group.

Contributed programs are compiled by Users Library personnel and must meet documentation standards. Program maintenance is the responsibility of the person submitting the program. New contributed programs are welcomed for consideration as entries to the library. It is HP's opportunity to expand communication among users. Both contributed and HP supported programs are listed.

Supported software consists of all programs developed and fully backed by Hewlett-Packard for operation and support of HP computers. Some supported software is licensed only to users of that HP system, while others are considered HP proprietary. All contributed software is available to the general public for a nominal reproduction charge. These may be ordered through HP sales offices.

Section III: COMPUTER USERS GROUPS

IUA (ICMEC Users Association)

William Sousa, General Manager
IDMEC, Inc.
3300 Scott Boulevard
Santa Clara, California 95050
(408) 246-2950

ACTIVE

IUA, established in 1965, includes users of ICMEC minicomputer peripherals in the Data Acquisition, Data Entry, Data Communications and Data Storage areas. It conducts annual meetings on topics of broad interest related to these technologies.

Section III: COMPUTER USERS GROUPS

JUG (Joint User Group)

R. H. Vandenburg, Jr.
Charter Services, Inc.
P. O. Box 26363
Richmond, Virginia 23260
(804) 782-6418

ACTIVE

JUG was formed to meet the needs that exists for the establishment of communications among computer user groups to promote study, exchange of information, and cooperative efforts in areas of common interest.

At the invitation of the Association for Computing Machinery (ACM) representatives of 15 user groups organized to form JUG within the ACM. On May 11, 1961, the ACM Council passed a by-law which set JUG up as a part of ACM. JUG is the only user group organization with a vote on the American National Standards Institute (ANSI), X3 Committee whose responsibility is to promote standards in all phases of computers and information handling. The JUG Program Library Committee was formed to investigate the establishment of an interchange facility for the sharing of program library documentation. The following user groups are members of JUG: DECUS, EDUCOM, EMR Users, FOCUS, GUIDE, NCR Users, SEL Users, SERCUS, SWAP, USE Inc. UUA, VIM.

Section III: COMPUTER USERS GROUPS

MARK IV User Group (IV League) Inc.

Kathy Johnson
Informatics, Inc.
21050 Vanowen Street
Canoga Park, California 91303
(213) 887-9121

ACTIVE

This group was formed in 1968 and includes users of MARK IV on IBM 360 and 370; UNIVAC Series 70, 9400, 9700 and Siemens PBS. MARK IV is a general-purpose information storage and retrieval system that can be used for the design, implementation and operation of on-line or batch business data applications.

Section III: COMPUTER USERS GROUPS

MUG (MaGen User Group)

MUGI (MaGen User Group International)

Haverly Systems, Inc.
78 Eroadway
Denville, New Jersey 07834
(201) 627-1424

ACTIVE

MUG and MUGI were established in 1967 to promote the sharing of information and techniques in mathematical programming. Membership includes both domestic and overseas users of IBM 1130, 360, 370, and System/3; NCR 200's; CDC Cyber Series; UNIVAC 1106, 1108 and Spectra 70 computers.

One activity of MUG and MUGI is the Math Programming Seminar and Meeting for users of MaGen or PDS matrix/report generators and Math Programming Systems.

Section III: COMPUTER USERS GROUPS

MUG (MUMPS Users' Group)

Dr. Joan Zimmerman
MUMPS Users' Group
Biomedical Computer Laboratory
700 S. Euclid Avenue
St. Louis, Missouri 63110
(314) 454-3364

ACTIVE

MUG was established to further the improvement, utilization, and understanding of MUMPS and to promote the transfer of MUMPS applications.

MUMPS (Massachusetts General Hospital Utility Multi-Programmed System) is a unique computer language and operating system. It was designed to facilitate the creation and manipulation of text-oriented, hierarchical data, and is in use in about 200 institutions throughout the United States, Europe and Japan.

MUMPS is implemented on many small machines such as DEC's PDP-11, Artronix PC-12/7, and Data General's NOVA 1200. Interested persons need not be users of these computers to meet membership qualifications. Membership is open to all for a small fee.

MUG communicates with its members through annual national meetings, a quarterly newsletter, MUMPS News and the annual issue of the Institutional Notebook. The Group has established a MUMPS Application Library. The Library is listed in the Book of MUMPS which was compiled by Joan Zimmerman and published in May 1977.

Section III: COMPUTER USERS GROUPS

NASU (National Association of IBM System/3 Users)

Joseph Reuben
1700 East Desert Inn Road
Suite 109
Las Vegas, Nevada 89109
(702) 734-8444

ACTIVE

NASU was established in 1971 to promote the sharing of ideas of common interest among IBM System/3 users. This is the largest group of small computer users. Membership is limited to System/3 users only. (The group is currently not accepting new members.)

OCRUA (OCR Users Association)

Frank Cooper
OCR Users Association
10 Banta Place
Hackensack, New Jersey 07601
(201) 343-4935

ACTIVE

The OCR Users Association was established in June 1970. The organization grew out of the necessity for effective methods of data capture and to improve techniques to solve the massive input bottleneck which was threatening to slow down the progress made in second generation computers.

The objectives of the organization are 1) to advance the techniques and application of optical character recognition as a means of capturing data, 2) to promote a better understanding of the capabilities of OCR equipment (hardware) and software applications, 3) to study and evaluate technical methods in order to generate equipment improvements and advance present capabilities, and 4) to foster a better understanding and appreciation of OCR among vendors, users, allied industries, and the general public.

OCRUA holds conferences and publishes a quarterly newsletter, OCR News, as a means of communicating with its members.

SHARE

SHARE Inc.
111 East Wacker Drive
Chicago, Illinois 60601
(312) 644-6610

ACTIVE

SHARE is an organization of IBM/System 360 and 370 users and users of IBM 704, 709, 7040, 7090, 7094, and 370/145 machines. The principal purposes of SHARE Inc. are to foster development, free exchange, and public dissemination of research data pertaining to SHARE Computers in the best scientific tradition. To achieve these ends, SHARE conducts meetings, discussion groups, forums, panels, lectures and other similar programs concerned with the development and exchange of research and technological data.

The SHARE Program Library is a collection of generally useful programs created and administered to promote the exchange of technical information, to lower software development costs, and to help avoid redundant effort. Programs and their documentation are contributed by SHARE member installations and are made available to all at distribution costs. The SHARE Program Library Agency (SPLA) is operated on a non-profit basis by the Triangle Universities Computation Center (TUCC), P. O. Box 12076, Research Triangle Park, North Carolina 27709, telephone (919) 549-0671.

SWAP (Society for Wang Applications and Programs)

Jason R. Taylor
Wang Laboratories, Inc.
836 North Street
Tewksbury, Massachusetts 01876
(617) 851-4111

ACTIVE

SWAP, initiated in June 1972, is based on a sharing or swapping of software between users of Wang Equipment. The society proposes to encourage the interchange of ideas between Wang equipment users in similar fields and to help solve common problems and to save the user the time and expense of developing or perfecting software already available.

All programs contributed by SWAP members are maintained at Wang Labs. in the SWAP Program Library. The Programmer is the official SWAP magazine. It contains applications, articles, meeting information, letters to the editor and general SWAP business news. One general meeting is held per year, however Special Interest Subgroups (SIS) conduct meetings throughout the year.

USE Inc. (Formerly known as USE)

Terrence R. Moenich
Secretary, USE Inc.
P. O. Box 147
Perrysburg, Ohio 43551
(419) 874-4315

ACTIVE

USE Inc. was formed in 1975 to aid those who operate, schedule and control major data processing systems. A preceding user organization known as USE existed since 1955 with interest restricted to UNIVAC's 1100 series computing system.

USE Inc. holds conferences twice per year to promote the free interchange of ideas and information concerning system utilization. USE Inc. members may participate in the USE Program Library Interchange (UPLI), one of their most active Service Groups of the organization. Through UPLI users may engage in the interchange of operational programs and application packages developed by members. The UPLI currently lists over 225 programs available to the registered members of USE Inc. Membership is voluntary and open only to organizations which have operational and scheduling control over one or more major computing systems. Membership applications may be obtained from USE Inc. secretary.

VOICE

Sue Floth
c/o Varian Data Machines
2722 Michelson Drive
Irvine, California 92664
(714) 833-2400

ACTIVE

VOICE was established in 1969 to promote the interchange of information among users of Varian computers. Membership is open to Varian Computer Users only and includes users of Varian 520/i, 620/i, R6200/i, 620/l, 620/l-100, 620/f, 620/f-100, V73, and ADAPTS.

The group does not hold meetings or conferences.



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U.S. DEPT. OF COMM. BIBLIOGRAPHIC DATA SHEET		1. PUBLICATION OR REPORT NO. NBS SP 500-22	2. Gov't Accession No.	3. Recipient's Accession No.
4. TITLE AND SUBTITLE COMPUTER SCIENCE & TECHNOLOGY: Guide to Computer Program Directories			5. Publication Date December 1977	
			6. Performing Organization Code	
7. AUTHOR(S) Compiled by Addie G. Chattic			8. Performing Organ. Report No.	
9. PERFORMING ORGANIZATION NAME AND ADDRESS NATIONAL BUREAU OF STANDARDS DEPARTMENT OF COMMERCE WASHINGTON, D.C. 20234			10. Project/Task/Work Unit No.	
			11. Contract/Grant No.	
12. Sponsoring Organization Name and Complete Address (Street, City, State, ZIP) Same as Item 9			13. Type of Report & Period Covered	
			14. Sponsoring Agency Code	
15. SUPPLEMENTARY NOTES Library of Congress Catalog Card Number: 77-17610				
16. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here.) The <u>Guide</u> is a product of the Computer Information Section's efforts to establish and maintain a reference index to computer programs. CIS has over the past several years collected catalogs that contain proprietary and public domain software and answered queries on the availability of computer programs already developed, tested on in use. Included here are abstracts of catalogs from the collection; no computer program abstracts are included individually. Information concerning specific programs may be obtained from the catalogs abstracted here. Key word indexes for applications and systems programs are included to help users identify catalogs which list programs in their area of interest.				
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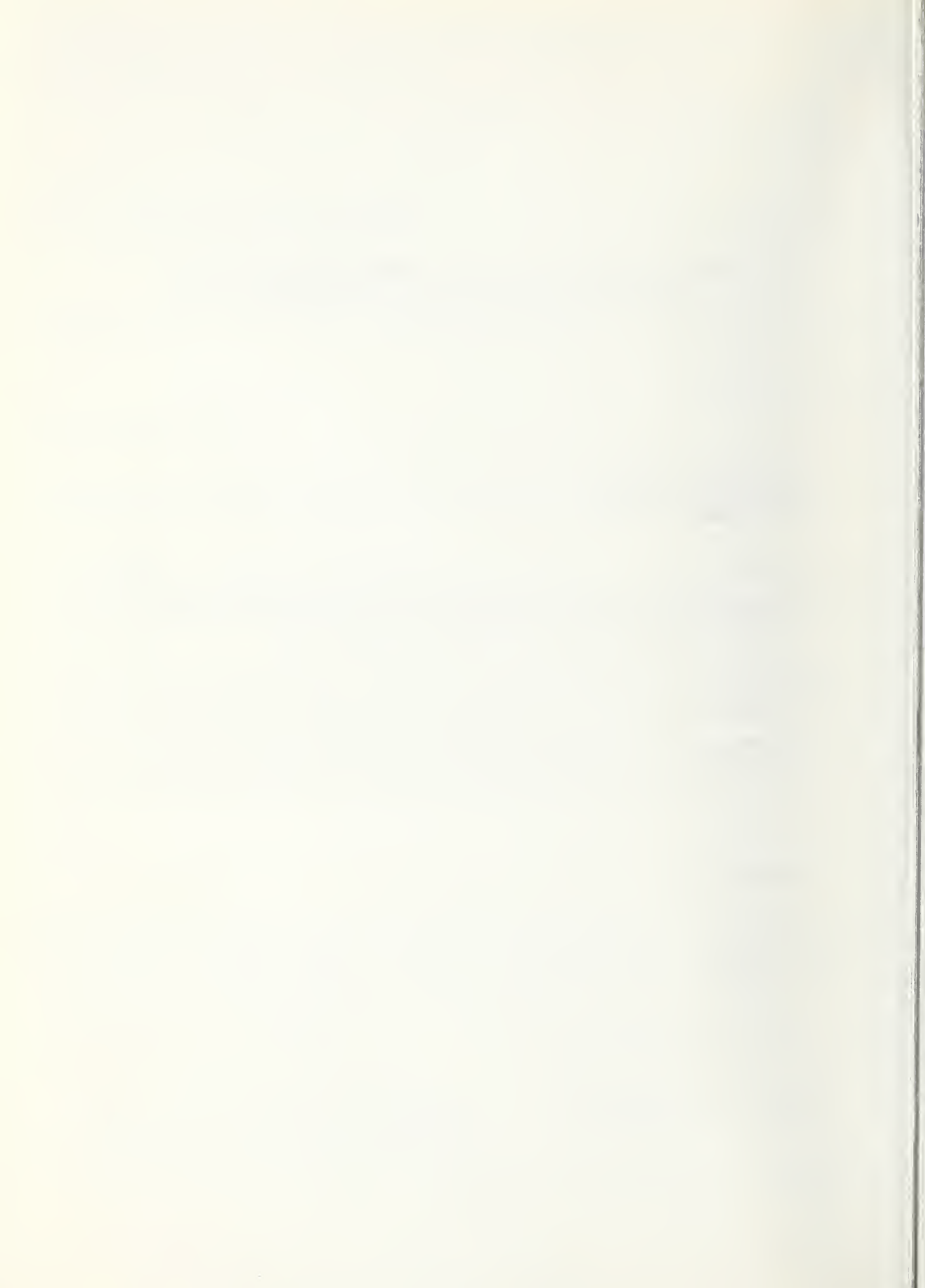
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