

UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION



NBS TECHNICAL NOTE 814

A Mechanized Information Services Catalog

U.S.
DEPARTMENT
OF
COMMERCE

National
Bureau
of
Standards

QC

100

.U5753

no. 814

1974

C.2

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, and the Office for Information Programs.

THE INSTITUTE FOR BASIC STANDARDS provides the central basis within the United States of a complete and consistent system of physical measurement; coordinates that system with measurement systems of other nations; and furnishes essential services leading to accurate and uniform physical measurements throughout the Nation's scientific community, industry, and commerce. The Institute consists of a Center for Radiation Research, an Office of Measurement Services and the following divisions:

Applied Mathematics — Electricity — Mechanics — Heat — Optical Physics — Nuclear Sciences² — Applied Radiation² — Quantum Electronics³ — Electromagnetics³ — Time and Frequency³ — Laboratory Astrophysics³ — Cryogenics³.

THE INSTITUTE FOR MATERIALS RESEARCH conducts materials research leading to improved methods of measurement, standards, and data on the properties of well-characterized materials needed by industry, commerce, educational institutions, and Government; provides advisory and research services to other Government agencies; and develops, produces, and distributes standard reference materials. The Institute consists of the Office of Standard Reference Materials and the following divisions:

Analytical Chemistry — Polymers — Metallurgy — Inorganic Materials — Reactor Radiation — Physical Chemistry.

THE INSTITUTE FOR APPLIED TECHNOLOGY provides technical services to promote the use of available technology and to facilitate technological innovation in industry and Government; cooperates with public and private organizations leading to the development of technological standards (including mandatory safety standards), codes and methods of test; and provides technical advice and services to Government agencies upon request. The Institute consists of a Center for Building Technology and the following divisions and offices:

Engineering and Product Standards — Weights and Measures — Invention and Innovation — Product Evaluation Technology — Electronic Technology — Technical Analysis — Measurement Engineering — Structures, Materials, and Life Safety⁴ — Building Environment⁴ — Technical Evaluation and Application⁴ — Fire Technology.

THE INSTITUTE FOR COMPUTER SCIENCES AND TECHNOLOGY conducts research and provides technical services designed to aid Government agencies in improving cost effectiveness in the conduct of their programs through the selection, acquisition, and effective utilization of automatic data processing equipment; and serves as the principal focus within the executive branch for the development of Federal standards for automatic data processing equipment, techniques, and computer languages. The Institute consists of the following divisions:

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

THE OFFICE FOR INFORMATION PROGRAMS promotes optimum dissemination and accessibility of scientific information generated within NBS and other agencies of the Federal Government; 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 Relations.

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

² Part of the Center for Radiation Research.

³ Located at Boulder, Colorado 80302.

⁴ Part of the Center for Building Technology.

14 1975

acc.

00

753

814

4

A Mechanized Information Services Catalog

Beatrice Marron, Elizabeth Fong
and Dennis Fife

Systems and Software Division
Institute for Computer Science and Technology
U.S. National Bureau of Standards
Washington, D.C. 20234

t. Technical note no. 814

Sponsored by the

National Science Foundation
18th and G Street, N.W.
Washington, D.C. 20550



U.S. DEPARTMENT OF COMMERCE, Frederick B. Dent, *Secretary*

NATIONAL BUREAU OF STANDARDS, Richard W. Roberts, *Director*

Issued February 1974

National Bureau of Standards Technical Note 814

Nat. Bur. Stand. (U.S.), Tech. Note 814, 56 pages (Feb. 1974)

CODEN: NBTNAE

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1974

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402
(Order by SD Catalog No. C13.46:814). Price 90 cents.

CONTENTS

	Page
1. INTRODUCTION	1
2. SELECTION OF SOURCES AND SERVICES	2
3. THE PROTOTYPE SYSTEM	4
3.1 SPIRES	5
3.2 Record Structure	5
4. USE OF THE CATALOG	7
4.1 Terminal Equipment	7
4.2 Log-on and Log-off Procedures	8
4.3 Illustrative Searches	8
4.4 Tutorial Features	12
5. FUTURE PLANS	15
6. THE CATALOG	16
6.1 Data Bases	17
Abstracts on Health Effects of Environmental Pollutants	17
Agricultural Economics	17
America: History and Life	17
API Abstracts of Refining Literature	18
API Abstracts of Refining Patents	18
Biological Abstracts Previews	18
Bibliography of Agriculture	19
CA Integrated Subject File	19
CAS Source Index	19
Chemical Abstracts Condensates	20
Chemical-Biological Activities	20
Chemical Market Abstracts Tape	20
Chemical Titles	21
COMPENDEX	21

	Page
Comprehensive Data Base of Patents	21
Computer Based Nuclear Magnetic Resonance Literature	22
Computerized Information Retrieval System of the Gas Chromatography Literature	22
CPI Magnetic Tape File	22
Crystallographic Data Centre Bibliographic File	23
Current Index to Journals in Education	23
Current Programs	23
Electronics Market Abstracts Tape	24
Epilepsy Abstracts	24
Excerpta Medica	24
F & S Index	25
Food Science & Technology Abstracts	25
Fruits	25
Geological Reference File	25
Government Reports Announcements	26
Index Chemicus Registry System	26
Index of Mathematical Papers	26
INSPEC	27
International Labour Documentation	27
International Nuclear Information System	27
International Pharmaceutical Abstracts	28
International Tree Disease Register	28
Iowa Drug Information Service	28
ISI Citation Tapes	28

	Page
ISI Source Index	29
Marriage and Family Behavior	29
MARC Books	29
MARC Films	30
Mass Spectrometry Bulletin	30
Materials of Music	30
Mathematical Reviews	30
Mathematical Title Service	31
Mathematics of Computation	31
MechEn	31
Metals Abstracts Index	32
National Agricultural Library CAIN Data Base	32
National Information Center for Educational Media	32
Nuclear Science Abstracts	33
Pandex	33
Paper Chemistry	33
PASCAL	34
Patent Concordance	34
Patent Office Mechanized Search Systems . .	34
PESTDOC	35
Petroleum Abstracts	35
Polymer Science and Technology	35
Psychological Abstracts	36
Research in Education	36

	Page
RINGDOC	36
Rock Mechanics	37
SABIR	37
Searchable Physics Information Notices . .	37
Social Science Citation Index	38
Sociological Abstracts	38
Specialized Textile Information Service . .	38
State Statute File	39
Statutes-in-Point	39
Textile Technology Digest	39
The Philosopher's Index	39
TITUS	40
TOXICON	40
TRANSDEX	40
Union Catalog of Medical Periodicals . . .	41
University of California Union Catalog Supplement	41
VETDOC	41
WOOD	41
Xerox Bibliographics Data Base	42
6.2 Services	42
Interactive Retrospective Services (IR)	
BASIS	42
DATA CENTRAL	42
DIALOG	42
LEHIGH/LEADERMART	43
MASTER CONTROL	43

	Page
RECON	43
ORBIT	43
STANFORD/SPIRES	43
UCLA/CIS	43
Batch Retrospective Services (BR)	
GEORGIA	44
LEHIGH/LEADERMART	44
PITTSBURGH/CBIS	44
UCLA/CIS	44
Current Awareness Services (CA)	
GEORGIA	45
LEHIGH/LEADERMART	45
OHIO/MIC	45
PITTSBURGH/CBIS	45
UCLA/CIS	45
6.3 Cross Index	46
REFERENCES	47

Acknowledgement

The authors wish to acknowledge the generous assistance of the Stanford SPIRES system support team, in particular Mr. L. Rosen and Mr. R. Guertin, for their help in defining the file structure and the output formats. Thanks also go to Mr. David Treatman, a summer employee at the National Bureau of Standards, for the initial keying of data into the Stanford SPIRES System.



A MECHANIZED INFORMATION SERVICES CATALOG

Beatrice Marron
Elizabeth Fong
Dennis Fife

NBS is mechanizing a catalog of currently available information sources and services. Information from recent surveys of machine-readable, commercially-available bibliographic data bases, and the various current awareness, batch retrospective, and interactive retrospective services which can access them, has been correlated and converted into a machine-readable data base. A prototype searching capability has been established on an operational interactive retrieval system. Reasons for establishing the catalog and the choice of the initial information are detailed and the prototype implementation is described. Sample queries are included, as well as a to-date listing of the catalog. Plans for future development are discussed.

Key words: Bibliographic data bases; computer-based systems; information services; information systems.

1. INTRODUCTION

Over the past year, in cooperation with the National Science Foundation (NSF) Office of Science Information Service*, the National Bureau of Standards (NBS) has collected, organized, and identified significant technical data on widely available mechanized information services [1, 2, 3, 4, 5, 6, 7]**. Altogether, these strongly point out the broad, increasing scope and variety of automated data bases and services, but also raise questions of how their use can be encouraged and effectively guided to benefit researchers and Government agencies. A few statistics illustrate the dimensions of the problem: at least 80 commercially-available machine-readable bibliographic data bases [3]; at least 150 general-purpose data management software packages [4] and about 50 interactive information retrieval systems [2, 7]; at least 66 information centers offering current awareness or retrospective search services [5].

*Interagency Agreement #NSF-CA68.

**Numbers in brackets refer to references at end of report.

Many of the technical and non-technical issues of present concern to managers of information science research and development can only be addressed with rather complete knowledge of these available services. In some disciplines the same data bases are being processed by different systems, resulting in redundant and perhaps more costly services. In other disciplines there is inadequate effort. There are unresolved questions of the value of problem-oriented rather than discipline-oriented data bases and services. There are questions about the legality of interdisciplinary data bases. There are cost/benefit/effectiveness questions revolving around the need for on-line and interactive bibliographic systems vs. the slower but cheaper batch services. There are the problems of copyright, lease and royalty arrangement. There are problems of duplication of coverage, both in the data bases, and in the use of the data bases. There are problems of standardization of formats for citations, tapes, etc. The efficacy of information analysis centers is still being debated. Networking of information services offers solutions, but also poses new problems [8]. Problems of non-standard system protocols must be addressed [9]. Economic factors and user needs [10] must be analyzed.

To assure that accurate, current and convenient-to-use information is available for systems analysis on these problem areas, NBS is mechanizing a catalog of presently available information services. In addition to putting the necessary data "within reach" of computer programs for analysis and modeling, this will encourage use of these services by making their existence and capabilities known through the medium of computer information service itself. Further, as both the technology and the body of data grow, perhaps this catalog of information services could become a resource on one of the emerging information networks.

This report details the creation and use of the catalog to date. In Section 2 the rationale for selection of the systems and services to be included is presented. The implementation of the catalog on an operational interactive retrieval system is described in Section 3. Typical use of the catalog with sample printouts are included in Section 4. Tentative plans for continuation and improvement are presented in Section 5. Finally, a listing of the current contents of the catalog is included in Section 6.

2. SELECTION OF INFORMATION SOURCES AND SERVICES

There is a wealth of recently conducted surveys on mechanized information sources and services [1, 2, 3, 4, 5, 6, 7]. However, the means for correlating the facts presented

in these collections are frequently not available. Thus, while one can, for example, determine relevant machine-readable data bases, one cannot easily determine the availability of systems and services which can access these data bases. Information on current awareness services is not usually included in surveys of batch retrospective services or interactive retrospective services, and vice-versa.

This catalog is an attempt to correlate such information, and to organize it for ready reference from a variety of access points. There was a conscious decision to refrain from conducting further surveys, but rather to use existing information. The primary aim was to create a basic file and demonstrate its feasibility and usefulness. Decisions on mechanisms to expand and maintain the file were deferred to a later date.

With these criteria in mind, it was decided to restrict the initial file to the large commercially-available, machine-readable bibliographic data bases, and three kinds of public retrieval services (current awareness, batch retrospective, and interactive retrospective) that can access them. Later, private files, data files, and in-house services could be added.

The recent "Survey of Commercially Available Computer-Readable Bibliographic Data Bases " [3], conducted by the American Society for Information Science, was chosen as the basis of the initial catalog. The information on the 81 major data bases described therein forms the catalog content on data bases. Many of the catalog record items (originator, contact, address, dates) could be taken directly from the survey document. Some of the record items had to be expanded to increase the catalog's usefulness (abstract, keywords, various alternative spellings of names and acronyms).

There was no well-constructed single source for the three kinds of retrieval services which were to be included. Further complications resulted from some systems offering more than one kind of service (e.g., current awareness as well as retrospective searching). Some systems offered services for a fee, whereas others offered to only sell their software. The decision was made to exclude from the initial catalog those services which were offered only to a limited in-house community of users.

Four recent survey documents were chosen as sources of service information for the initial catalog:

- (1) "A Study of Six University-Based Information Systems" [1]. Each of the six systems described in this report access between one and eighteen of the data bases in the catalog. This report documents an earlier phase of this NBS/NSF effort.
- (2) "A Survey of Interactive Information Systems" [2]. Some of the service organizations detailed in this report offer other services, in addition to interactive retrospective services. Many of them, however, do not access the major bibliographic data bases. This report is also part of the NBS/NSF effort.
- (3) "ASIDIC Survey of Information Center Services" [5]. This report lists for all full members and associate members of the Association of Scientific Information Dissemination Centers (ASIDIC) as well as for responders to a questionnaire, the publicly-available data bases that these organizations process either for current awareness services, retrospective services, or both.
- (4) "Survey of Commercially Available Computer-Readable Bibliographic Data Bases" [3]. This document, which is the sole source for the catalog content on data bases, also contains a limited amount of information on services.

The information retrieval system chosen for the initial implementation of the catalog, as well as the record structure of the information included, are described in the next section. The catalog content as of November 1973 is listed in Section 6.

3. THE PROTOTYPE SYSTEM

The selection of an operational information storage and retrieval system to establish the catalog is based on a number of factors. Since this work is a continuation of a study of six university-based information systems [1], the decision was made to implement the prototype catalog using one of these six university systems. Among the six, four have interactive query capability: University of California at Los Angeles, Lehigh University, Pittsburgh University, and Stanford University. The Stanford SPIRES system was particularly suitable because it provides not only a generalized data definition language but also facility for on-line data definition and text entry. The design philosophy of SPIRES is especially suited for building and processing of private

files. Therefore, we decided to implement the mechanized information service catalog on SPIRES.

3.1 SPIRES

SPIRES (Stanford Public Information Retrieval System) is a generalized interactive information storage and retrieval system. It is capable of handling both bibliographic data, and numeric and structured data. SPIRES operates as one of the interactive systems on the IBM 360/67 computer at the Stanford Computation Center's Campus facility. SPIRES allows a user to create, update, maintain, interrogate, and display stored information. A full detailed description of the SPIRES system is contained in [11], and a categorical description of the SPIRES system appeared in [1]. The following describes our implementation of the catalog using the SPIRES system.

3.2 Record Structure

The catalog of information services is established under the SPIRES subfile called "DATA BASES." In this SPIRES subfile, each unit record contains data on a commercially-available bibliographic data base. The unit record has a master portion and additional optionally repeating groups of structures. These repeating groups may occur from zero to as many times as needed within a record. The master portion contains information about each individual data base. The optionally repeating groups consist of information on (1) current awareness services, (2) batch retrospective services, and (3) interactive retrospective services which can access this data base.

The master portion of the record contains the following data elements (aliases for the element names are enclosed in parentheses):

DB - a number automatically assigned by SPIRES as the key to every record.

NAME (NAMES, NAM) - Name of the data base.

ORIGINATOR (ORI) - The name of the originator, or data base supplier.

KEYWORDS (KEYWORD, KEY) - List of descriptors describing the subject matter of the data base.

FIRST-DATE (FIRST, FIR) - The first date of the time span covered by the data base.

LAST-DATE (LAST, LAS) - The last date of the time span covered by this data base. If this field is blank, it implies present.

ADDRESS (ADD) - The address of the originator.

PHONE (PHO) - The phone number of the originator.

CONTACT (CON) - The name of the person to contact for further information.

ABSTRACT (ABS) - A prose description of the subject matter and scope of this data base.

ELEMENTS (ELEMENT, ELEM, ELE) - The data elements present in the data base.

FREQUENCY (FRE) - Frequency of issue.

ITEMS (ITEM, ITE) - The average number of source items included each year.

PURCHASE (PUR) - Purchase information.

LEASE (LEA) - Lease information.

Associated with each master portion of the record containing the above fields, is the optionally repeating group describing the search services which can access the data base. The search services are categorized as (1) current awareness services, (2) batch retrospective services, and (3) interactive retrospective services. The record structures for the search services are identical in form, and are distinguished from each other only by the structure name (e.g., "CA;" "BR;" or "IR;") preceding the structure. Each structure has the following elements:

SERVICE-NAME (SER) - The name of the search service.

SOFTWARE (SOF) - The name of the software system providing the search service for the data base.

ORIGINATOR (ORI) - The name of the originator for the search service.

ADDRESS (ADD) - The address of the originator for the search service.

PHONE (PHO) - The phone number of the originator for the search service.

CONTACT (CON) - The name of the person to contact for information about the search service.

ABSTRACT (ABS) - A prose description of the search service and cost information.

There are only four required fields for each record: NAME, ORIGINATOR, KEYWORDS, and FIRST-DATE. All others are optional. Seven fields are currently searchable: NAME, ORIGINATOR, KEYWORDS, SERVICES, SOFTWARE, FIRST-DATE and LAST-DATE. The search terms "ORIGINATOR," "SERVICE" and "SOFTWARE" are combined by SPIRES into one index for searching.

4. USE OF THE CATALOG

This section details the procedure for using the catalog of data bases and associated information services as established on the SPIRES system.

4.1 Terminal Equipment

Access to SPIRES from outside of the Stanford campus area is through the Federal Telecommunications System (FTS) or the public telephone system. SPIRES supports any IBM 2741 compatible terminals or any ASCII (American Standard Code for Information Interchange) compatible terminals. The cathode ray display type devices with keyboard entry are also supported by SPIRES. The following describes the terminal equipment configuration:

Model	IBM 2741 Compatible	ASCII Compatible TTY (or CRT)
Speed	14.7 char/sec	10 char/sec
Code	Correspondence	ASCII
Modem	Bell System 103 Compatible	Bell System 103 Compatible
Mode	Half/Full Duplex	Half duplex

SPIRES will accept both upper and lower case or just upper case.

4.2 Log-on and Log-off Procedures

After setting up the terminal equipment with the proper configuration, the user is ready to dial into the Stanford Computer Center. (Different numbers are used for the two acceptable types of terminals.) When communications have been established, the Stanford computer acknowledges with date and time information. The system then asks for Name, Account, Keyword, Terminal, and Command as illustrated below:

```
STANFORD 69 11/23/73 11:10:31
NAME? fong
ACCOUNT? XXXX
KEYWORD? XXX
TERMINAL? p93
COMMAND ? spires
-WELCOME TO SPIRES-2, FONG
```

After the interactive session, the user must log-off by first issuing a command "EXIT" to exit from SPIRES, and then the command "LOGOFF." The system will furnish time usage information as shown:

```
-? exit
-RETURN TO WYLBUR.
COMMAND ? logoff
11:59:27 10/25/73
ELAPSED TIME = 00:02:43
WYLBUR CPU TIME = 0.01 SECONDS.
ORVYL CPU TIME = 0.83 SECONDS.
END OF SESSION
```

4.3 Illustrative Searches

The SPIRES system awaits the user's request from the terminal by a prompt character "-?". To access the mechanized information services catalog, the user first issues a SPIRES command

```
-? SELECT DATA BASES
```

```
-?
```

At this point, the user may enter any valid SPIRES commands and interact with the DATA BASES subfile. The full set of commands appears in reference [12] and only selected commands are presented here.

The "FIND" command serves essentially for interrogation, causing the system to gather a list of records that conform to the criteria stated as part of the command. Any combination of logical operators can be applied in the process of searching to make a result either more precise or more general.

The "TYPE" command causes the search results to be printed at the user's terminal. The elements displayed in each record will be either all the elements occurring in the record, or specified elements only.

Five sample queries are now presented to illustrate the various searching capabilities available on SPIRES.

Example 1

The user queries the system with a data base name (e.g., "Psychological Abstracts"). The system responded with a result of one data base. The user then asks to see all the information about the data base and the various kinds of search services which can access that data base. In this example, the master portion of the record plus two interactive retrieval services that access the Psychological Abstracts data base are shown on page 10.

Example 2

Keywords with logical connectives can be used to form queries. For example, the keywords "CHEMISTRY AND PATENTS" result in five data bases. The user then asks to see the names:

```
FIND KEYWORD = CHEMISTRY AND PATENTS
-RESULT:      5 DATA-BASE(S)
-? TYPE NAME
```

```
NAME = ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, PAPER
CHEMISTRY;
```

```
NAME = PATENT OFFICE MECHANIZED SEARCH SYSTEMS;
```

```
NAME = INDEX TO API ABSTRACTS OF REFINING PATENTS;
```

```
NAME = COMPREHENSIVE DATA BASE OF PATENTS;
```

```
NAME = PATENT CONCORDANCE IN COMPUTER-READABLE FORM, PATENT CONCORDANCE;
-?
```

EXAMPLE 1

find name = psychological abstracts
 -RESULT: 1 DATA-BASE(S)
 -? type

DB = 16;
 NAME = PSYCHOLOGICAL ABSTRACTS, PA;
 ORIGINATOR = AMERICAN PSYCHOLOGICAL ASSOCIATION, APA;
 KEYWORDS = SOCIAL SCIENCE, PSYCHOLOGY, BEHAVIORAL SCIENCE;
 FIRST-DATE = 01/--/67;
 ADDRESS = 1200 SEVENTEENTH STREET, N.W. WASHINGTON D.C. 20036;
 PHONE = (202) 833-7610;
 CONTACT = RICHARD P. CAPUTO;
 ABSTRACT = CONTAINS NON-EVALUATIVE SUMMARIES OF THE WORLD'S LITERATURE
 IN PSYCHOLOGY AND RELATED DISCIPLINES. PROVIDES INFORMATIVE ABSTRACTS
 (INCLUDING SUBJECT POPULATION, TESTS AND MEASUREMENTS, VARIABLES AND
 PROCEDURE) WHERE POSSIBLE AND INDICATIVE ABSTRACTS FOR DISCURSIVE
 MATERIAL.;
 ELEMENTS = TITLE, AUTHOR, ADDRESS, ABSTRACT, CLASSIFICATION, KEYWORDS;
 FREQUENCY = MONTHLY, QUARTERLY, SEMI-ANNUALLY, OR ANNUALLY;
 ITEMS = 24,000;
 PURCHASE = LEASE ONLY;
 LEASE = MAY BE LEASED AS FOLLOWS: CURRENT YEAR - \$3,000.00, PREVIOUS
 YEAR - \$2,000.00. AFTER FIRST YEAR ACQUISITION OF NEW CURRENT YEAR AND
 RETENTION OF BACK FILES IS \$3,000.00/YEAR. WILL BE LICENSED IN JANUARY
 1974.;
 IR;
 SERVICE-NAME = LOCKHEED INFORMATION SERVICES, DIALOG;
 SOFTWARE = DIALOG;
 ORIGINATOR = LOCKHEED INFORMATION SCIENCES, LOCKHEED;
 ADDRESS = 3251 HANOVER STREET, PALO ALTO, CALIFORNIA, 94304;
 PHONE = (415) 493-4411, EXT 45034;
 CONTACT = DR. ROGER SUMMIT;
 ABSTRACT = THE INTERACTIVE RETRIEVAL SYSTEM CAN USE A VARIETY OF
 TERMINALS AND COMMUNICATIONS TO ACCESS THE LOCKHEED COMPUTER CENTER:
 ANY TELETYPE-COMPATIBLE, DIAL-UP TERMINAL FROM 10 TO 120 CHARACTERS PER
 SECOND, AS WELL AS CERTAIN HIGH-SPEED CRT TERMINALS UP TO 480 CPS.
 SEVERAL FORMS OF COMMUNICATION ARE AVAILABLE, INCLUDING THE TYMSHARE
 NATIONAL COMMUNICATIONS NETWORK WITH LOCAL NUMBER ACCESS IN OVER 40
 CITIES, LOCKHEED'S OWN HIGH-SPEED NETWORK, OR ANY VOICE- GRADE
 TELEPHONE LINE. SEARCH CHARGES ARE \$25 PER TERMINAL HOUR FOR ERIC AND
 NAL/CAIN, \$35 FOR NTIS AND PANDEX, AND \$50 FOR PSYCHOLOGICAL ABSTRACT.;
 IR;
 SERVICE-NAME = DATA CENTRAL, MEAD DATA CENTRAL;
 SOFTWARE = DATA CENTRAL;
 ORIGINATOR = MEAD TECHNOLOGY LABORATORIES;
 ADDRESS = 1611 NORTH KENT STREET, ARLINGTON, VA. 22209;
 PHONE = (703) 525-2674;
 CONTACT = RICHARD GIERING;
 ABSTRACT = DATA CENTRAL IS A FULL-TEXT SYSTEM. THE COST OF SEARCH
 SERVICE IS \$5,000 A MONTH.;
 -?

Example 3

The user may wish to find the names of those data bases that can be accessed via a service-name (e.g., DIALOG). The system finds six data bases and their names are displayed:

```
FIND SERVICE = DIALOG
-RESULT:      6 DATA-BASE(S)
-? TYPE NAME

NAME = CURRENT INDEX TO JOURNALS IN EDUCATION, CIJE, ERIC;

NAME = NATIONAL AGRICULTURAL LIBRARY CAIN DATA BASE, CAIN;

NAME = PANDEX CURRENT INDEX TO SCIENTIFIC AND TECHNICAL LITERATURE,
PANDEX;

NAME = PSYCHOLOGICAL ABSTRACTS, PA;

NAME = RESEARCH IN EDUCATION, RIE, ERIC;

NAME = GOVERNMENT REPORTS ANNOUNCEMENTS, GRA, USGRDR;
-?
```

Example 4

"BEFORE" and "AFTER" operators are available on numeric data fields or on dates to limit the search result. For instance, the user asks for all the data bases that contain the keyword "MEDICINE," but only those data bases that covered the time span "AFTER 1970." The system finds two such data bases that meet the above criteria. The user asks for the name and the first-date to be displayed:

```
Find keyword = medicine and first-date after 1970
-RESULT:      2 DATA-BASE(S)
-? type name first-date

NAME = P.A.S.C.A.L, PASCAL;
FIRST-DATE = 01/--/72;

NAME = ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL POLLUTANTS, HEEP;
FIRST-DATE = 01/--/72;
-?
```

Example 5

Truncated search capability is available by the use of the pound sign (#). For example, Find Name = Mathemati# would retrieve records whose names contain mathematical, mathematics, etc. In this example, the user asks to see the

names plus their purchase and lease information. More information could be printed if desired.

```
Find name = mathemati#  
-RESULT:      4 DATA-BASE(S)  
-? Type name purchase lease
```

```
NAME = MATHEMATICAL TITLE SERVICE/INDEX OF MATHEMATICAL PAPERS, INDEX  
OF MATHEMATICAL PAPERS, MATHEMATICAL TITLE SERVICE;  
PURCHASE = LEASE AND LICENSE ONLY.;  
LEASE = $600 FOR THE FIRST YEAR, $60/YEAR THEREAFTER FOR LEASE OR  
LICENSE WITH ROYALTY CHARGES FOR LICENSE.;
```

```
NAME = MATHEMATICAL TITLE SERVICE;  
PURCHASE = LEASE AND LICENSE ONLY.;  
LEASE = $1,200/YEAR FOR LEASE OR LICENSE WITH ROYALTY CHARGES FOR  
LICENSE.;
```

```
NAME = MATHEMATICAL REVIEWS 5-YEAR INDEX (1965-1969), MATHEMATICAL  
REVIEWS;  
PURCHASE = LEASED AND LICENSED ONLY.;  
LEASE = $8,000 FOR THE FIRST YEAR, $300/YEAR THEREAFTER FOR LEASE OR  
LICENSE WITH ROYALTY CHARGES FOR LICENSE.;
```

```
NAME = MATHEMATICS OF COMPUTATION VOLUMES 1-23, MATHEMATICS OF  
COMPUTATION;  
PURCHASE = LEASE AND LICENSE ONLY.;  
LEASE = $500 FOR FIRST YEAR, $50/YEAR THEREAFTER FOR LEASE AND  
LICENSE. ROYALTY CHARGES FOR LICENSE.;
```

-?

4.4 Tutorial Features

SPIRES provides many tutorial features to instruct the user on-line. The command "HELP" may be issued at any time, and will produce different instructions depending on whether:

- . the user has not selected a subfile;
- . the user has selected a subfile, but has not done anything else;
- . the user has a search result;
- . the user has an update in progress.

The command "EXPLAIN" is available depending on the needs of the user. "EXPLAIN EVERYTHING" will cause the system to print out a list of "EXPLAIN" commands.

If the user is unacquainted with the subfile, the user may order the system to describe briefly the contents of the subfile. The command that will explain the subfile DATA BASES is:

-? EXPLAIN SUBFILE DATA BASES

A paragraph describing the subfile will be typed out at the user's terminal as follows:

select data bases

-? explain subfile data bases

The Data Bases subfile contains information on commercially-available, machine readable, bibliographic data bases, and the information services which can access these data bases. The subfile is structured with the data bases as the unit records, and includes, for each data base, information on names, address, phone, contact, originating organization, dates, elements, frequency of issue, keywords, abstracts, and purchase and lease costs. In addition, information on 1) current awareness services; 2) batch retrospective services; and 3) interactive retrospective services which can access these data bases are posted to the unit records. Information on the three types of services include service name, organization, software, address, phone, contact, and abstract. Only a limited number of these data elements is currently searchable.

This data base is being created under an interagency agreement between the Institute for Computer Sciences and Technology of the National Bureau of Standards and the National Science Foundation Office of Science Information Service. Please contact Bea Marron at NBS, Wash. D. C. 20234, (301) 921-3405, for further information about the use of this file.

Before the user issues a "FIND" command, he should check the search terms available to him for searching. He can do so by submitting the request

-? SHOW SEARCH TERMS

The data record name, labeled "goal record" plus all the indexed terms will be printed as shown:

show search terms

Goal Records: DATA-BASE

Simple Index: NAM, NAME, NAMES

Simple Index: ORI, ORIGINATOR

Simple Index: KEY, KEYWORD, KEYWORDS

Simple Index: SER, SERVICE

Simple Index: SOF, SOFTWARE

Combined Index Terms:

FIRST-DATE

LAST-DATE

-?

If the user is confused about the contents of a particular subfile, even after examining the list of search terms, he can use the "BROWSE" command. For the subfile DATA

BASES, the user can "BROWSE NAMES" or "BROWSE KEYWORDS." A letter or the word "FIRST" or "LAST" may be qualified to indicate where one wants to begin browsing. SPIRES types out up to 10 lines and asks the user whether he wants to see more. Note that the "BROWSE NAME" command produces just a few of the names. To see names stored between the displayed values, one can issue a qualified "BROWSE" command. Examples of "BROWSE NAME" and "BROWSE NAME A" are shown below:

```
  browse name
COMPUTERIZED INFORMATION RETRIEVAL SYSTEM OF THE GAS CHROMATOGRAPHY
  LITERATURE
  RIE
  SABIR
  SOCIOLOGICAL ABSTRACTS
  STATUTES
  TEXTILE TECHNOLOGY DIGEST
  TOXICON
  USGRDR
```

```
-? browse name a
ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY
ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL POLLUTANTS
AGRICULTURAL ECONOMICS
AMERICA
-MORE? yes
AMERICA
AMERICA: HISTORY AND LIFE
BA
BA PREVIEWS
BIBLIOGRAPHY OF AGRICULTURE
BIOLOGICAL ABSTRACTS
BIOLOGICAL ABSTRACTS PREVIEWS
CA CONDENSATES
CA INTEGRATED SUBJECT FILE
CA SUBJECT FILE
-MORE?
```

An example of "BROWSE FIRST KEYWORDS" is shown below:

```
  browse first keywords
  AGRICULTURE
  ANIMAL MEDICINE
  ASTRONOMY
  ATOMIC ENERGY
  BEHAVIORAL SCIENCE
  BIOCHEMISTRY
  BIOLOGICAL SCIENCES
  BIOLOGY
  BOOKS
  -MORE? yes
  BOOKS
  CANCER
  CHEMICAL ENGINEERING
  CHEMISTRY
  COMPUTER SCIENCE
  CRYSTALLOGRAPHY
  DRUGS
  EARTH SCIENCE
  ECONOMICS
  EDUCATION
  -MORE?
```


5. FUTURE PLANS

Plans for the catalog can be grouped into the following categories:

- . Improve the current implementation of the catalog.
- . Extend coverage.
- . Assess usefulness of the catalog.
- . Implement on other systems.
- . Define maintenance and improvement mechanisms.
- . Establish distribution channels.

The initial implementation of the catalog was, by design, a demonstration of the feasibility and usefulness of the catalog rather than a full exercise of the capabilities of the chosen interactive retrieval system. For this reason, although some deficiencies of our initial file definition in SPIRES were recognized early, we did not enter into a file redefinition phase. For example, it seemed to be a good idea to make all SERVICE-NAMES, regardless of type of service, searchable in a common index. The advantage we sought was that the user would not have to know service type in order to query on SERVICE-NAME. However, this resulted in multiple printings of those services which offer more than one type of service on a data base. Study of the file redefinition capabilities of SPIRES, and analysis of deficiencies in the existing file should be part of the next phase of this effort.

The coverage of the information included in the catalog could be extended in three directions:

1. The records in the present catalog could be expanded to include more details on cost, turn-around times, system protocols, etc.
2. Major non-bibliographic data files, such as census tapes, stock market tapes, and scientific tapes, as well as personal bibliographic or data files could be included.
3. Information services could be expanded to include in-house services.

We have had a number of inquiries on the use of the catalog, but have considered it premature to permit outside

use until there is a significant amount of information in the file. The one exception is the Stanford Library which has been authorized to access the catalog via SPIRES. However, we need to test the usefulness of the catalog to others. While interactive query is a powerful tool, it need not be the only means of access to the information in the catalog. The catalog might, for example, be a useful reference in hard-copy with a variety of indexes.

Two of the tangible products of this NBS/NSF effort are machine-readable copies of the catalog on punched cards and on magnetic tape. This will facilitate installation of this data base on other information systems, perhaps those included in the catalog.

The potential usefulness of this catalog will be very dependent on its currency. Alternative procedures and reporting mechanisms for maintaining the timeliness of the catalog must be studied further. Perhaps a federal library or clearing-house should be assigned the maintenance function. Perhaps a professional society would be a more appropriate organization for this role. The various options must be identified and analyzed for their relative feasibility and effectiveness.

Finally, if this catalog is to be useful, appropriate distribution arrangements must be investigated to provide maximum utility to scientists and decision makers.

6. THE CATALOG

This section contains the contents of the mechanized catalog as of November 1973. This listing is organized in three parts:

- 6.1 The basic data on each data base.
- 6.2 The information service entries.
- 6.3 A cross-index of data base names with associated search services.

Note that the implementation of this catalog on SPIRES interrelates these parts automatically.

6.1 DATA BASES

NAME OF DATA BASE: ABSTRACTS ON HEALTH EFFECTS OF ENVIRONMENTAL
POLLUTANTS, HEEP
ORIGINATOR: BIOSCIENCES INFORMATION SERVICE OF BIOLOGICAL
ABSTRACTS, BIOSIS, BIOLOGICAL ABSTRACTS, BA, BIOSCIENCES
INFORMATION SERVICE
KEYWORDS: BIOLOGICAL SCIENCES, SCIENCE, MEDICINE, BIOLOGY
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: 2100 ARCH ST., PHILADELPHIA, PA. 19103
PHONE: (215) 568-4016
CONTACT: J.R. SMITH, DIR. FOR R&D
ABSTRACT: COVERS ARTICLES ON OCCUPATIONAL HEALTH AND INDUSTRIAL
MEDICINE, CHEMICALS OR SUBSTANCES IN THE ENVIRONMENT WITH
EMPHASIS ON HUMAN HEALTH, GENERAL REVIEWS AND ORIGINAL
PAPERS REPORTING POTENTIALLY HARMFUL EFFECTS OF POLLUTANTS
ON HUMANS, STUDIES OF LOWER VERTEBRATES USED AS INDICATORS
OF THE SUBSTANCES TOXIC TO MAN, VERTEBRATES AND
INVERTEBRATES AS VECTORS IN THE FOOD CHAIN, AND REPORTS OF
ANALYTICAL METHODS FOR EXAMINING BIOLOGICAL TISSUES OR
FLUIDS
ELEMENTS: TITLE, KEYWORDS, SUBJECT HEADINGS, CAS REGISTRY NUMBERS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: LEASE ONLY.
LEASE: LICENSE: \$500/YEAR PLUS THE COST OF THE TAPES.

NAME OF DATA BASE: AGRICULTURAL ECONOMICS
ORIGINATOR: AMERICAN AGRICULTURAL ECONOMICS DOCUMENTATION CENTER,
NATIONAL AGRICULTURAL LIBRARY, NAL
KEYWORDS: AGRICULTURE, ECONOMICS
TIME SPAN COVERED: FROM 07/--/71 TO PRESENT.
ADDRESS: DOCUMENTATION CENTER, ROOM 1505, USDA, WASHINGTON, D.C. 20250
CONTACT: MR. VERN J. VAN DYKE, COMPUTER APPLICATIONS, NAL
ABSTRACT: DOCUMENTS AUTHORED OR CO-AUTHORED BY AGRICULTURAL ECONOMISTS
IN THE UNITED STATES AND CANADA PERTAINING TO AGRICULTURAL
MARKETING, AGRICULTURAL POLICIES AND PROGRAMS, AGRICULTURAL
PRODUCTS, DEMAND, SUPPLY AND PRICES, FOOD AND CONSUMER
ECONOMICS, FOREIGN AND INTERNATIONAL ECONOMICS, PRODUCTION
ECONOMICS AND FARM MANAGEMENT, REGIONAL AND HUMAN
DEVELOPMENT, RESOURCE AND GENERAL ECONOMICS. THIS DATA BASE
IS PRODUCED BY THE NATIONAL AGRICULTURAL LIBRARY FROM CARD
IMAGES SUPPLIED BY THE AMERICAN AGRICULTURAL ECONOMICS
DOCUMENTATION CENTER.
ELEMENTS: TITLE, KEYWORDS, ABSTRACT, CLASSIFICATION
FREQUENCY OF ISSUE: BI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1200
PURCHASE: \$45 A REEL, NORMALLY 1 REEL PER MONTH.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: AMERICA: HISTORY AND LIFE, AMERICA, HISTORY AND
LIFE
ORIGINATOR: AMERICAN BIBLIOGRAPHICAL CENTER, ABC-CLIO, ABC
KEYWORDS: HISTORY, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/54 TO PRESENT.
ADDRESS: ABC-CLIO INC., 2040 ALAMEDA PADRE SERRA, SANTA BARBARA,
CALIFORNIA 93103
PHONE: (805) 963-4221
CONTACT: JAMES CRANE
ABSTRACT: ABSTRACTS OF ARTICLES ON UNITED STATES AND CANADIAN HISTORY
AND CULTURE FROM PREHISTORIC TIMES TO THE PRESENT. SURVEYS
CA. 2300 JOURNALS PUBLISHED IN 99 COUNTRIES.
ELEMENTS: TITLE, AUTHOR, ADDRESS, KEYWORDS, CLASSIFICATION, ABSTRACT
FREQUENCY OF ISSUE: QUARTERLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 3,800
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: INDEX TO API ABSTRACTS OF REFINING LITERATURE
ORIGINATOR: CENTRAL ABSTRACTING AND INDEXING SERVICE, CAIS, AMERICAN
PETROLEUM INSTITUTE, API
KEYWORDS: PETROLEUM, ENGINEERING, CHEMISTRY
TIME SPAN COVERED: FROM 01/--/64 TO 08/--/72
ADDRESS: AMERICAN PETROLEUM INSTITUTE, 1271 AVENUE OF THE AMERICAS,
NEW YORK. NEW YORK 10020
PHONE: (212) 586-4203
CONTACT: MR. E. H. BRENNER, MANAGER
ABSTRACT: COVERS ARTICLES ON ALL ASPECTS OF THE PETROLEUM INDUSTRY
INCLUDING PETROLEUM PROCESSING, PRODUCTS, AND SUBSTITUTES,
PETROCHEMICALS, AIR AND WATER CONSERVATION, ETC.
ELEMENTS: AUTHOR, TITLE, KEYWORDS, SUBJECT HEADINGS, LANGUAGE
FREQUENCY OF ISSUE: MONTHLY WITH 6-MONTH AND ANNUAL CUMULATIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 15,000
PURCHASE: SUBSCRIPTION PRICES ARE BASED ON THE GROSS ASSETS OF THE
SUBSCRIBER AND RANGE FROM APPROXIMATELY \$5,500 TO \$23,000.
LEASE: SUBSCRIPTION ONLY

NAME OF DATA BASE: INDEX TO API ABSTRACTS OF REFINING PATENTS
ORIGINATOR: CENTRAL ABSTRACTING AND INDEXING SERVICE, CAIS, AMERICAN
PETROLEUM INSTITUTE, API
KEYWORDS: PETROLEUM, ENGINEERING, CHEMISTRY, PATENTS
TIME SPAN COVERED: FROM 01/--/64 TO 06/--/72
ADDRESS: AMERICAN PETROLEUM INSTITUTE, 1271 AVENUE OF THE AMERICAS,
NEW YORK, NEW YORK 10020
PHONE: (212) 586-4203
CONTACT: MR. E. H. BRENNER, MANAGER
ABSTRACT: COVERS PATENTS ON ALL ASPECTS OF THE PETROLEUM INDUSTRY
INCLUDING PETROLEUM PROCESSES AND PRODUCTS, CHEMICAL
PRODUCTS, CONSERVATION, TRANSPORTATION, STORAGE, POLYMERS,
AND AGRICULTURE.
ELEMENTS: TITLE, INVENTOR, ASSIGNEE, PATENT NUMBER, DATE, KEYWORDS,
SUBJECT HEADINGS
FREQUENCY OF ISSUE: MONTHLY WITH 6-MONTH AND ANNUAL CUMULATIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,000
PURCHASE: SUBSCRIPTION PRICES ARE BASED ON THE GROSS ASSETS OF THE
SUBSCRIBER AND RANGE FROM APPROXIMATELY \$3,000 TO \$21,500.
LEASE: SUBSCRIPTION ONLY

NAME OF DATA BASE: BIOLOGICAL ABSTRACTS PREVIEWS, BA PREVIEWS, BA,
BIOLOGICAL ABSTRACTS
ORIGINATOR: BIOSCIENCES INFORMATION SERVICE OF BIOLOGICAL ABSTRACTS,
BIOSIS, BIOLOGICAL ABSTRACTS
KEYWORDS: BIOLOGICAL SCIENCES, SCIENCE, MEDICINE, BIOLOGY,
PHARMACOLOGY
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: 2100 ARCH ST., PHILADELPHIA, PA. 19103
PHONE: (215) 568-4016
CONTACT: J.R. SMITH, DIR. FOR R&D
ABSTRACT: ENTIRE LIFE SCIENCES FIELD INCLUDING MICROBIOLOGY, PLANT AND
ANIMAL SCIENCES, EXPERIMENTAL MEDICINE, AGRICULTURE,
PHARMACOLOGY, ECOLOGY, AND OTHER INTERDISCIPLINARY AREAS
SUCH AS BIOCHEMISTRY, BIOENGINEERING, BIOPHYSICS, ETC.
ELEMENTS: TITLE, KEYWORDS, SUBJECT HEADINGS
FREQUENCY OF ISSUE: BIOLOGICAL ABSTRACTS SECTION - TWICE MONTHLY.
BIORESEARCH INDEX SECTION - MONTHLY.
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 240,000
PURCHASE: \$5,000/YEAR PLUS THE COST OF THE TAPES.
LEASE: NOT INDICATED WHETHER PURCHASE OR LEASE. SEE PRICES UNDER
PURCHASE.

NAME OF DATA BASE: BIBLIOGRAPHY OF AGRICULTURE
ORIGINATOR: CCM INFORMATION CORPORATION, CCM
KEYWORDS: AGRICULTURE
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 866 THIRD AVENUE NEW YORK, N.Y. 10022
PHONE: (212) 935-4296
CONTACT: BILL J. FUNDERBURK, DIR.
ABSTRACT: THE BIBLIOGRAPHY OF AGRICULTURE IS A BIBLIOGRAPHIC REFERENCE
FILE TO THE LITERATURE OF AGRICULTURE AND THE ALLIED
SCIENCES RECEIVED IN THE NATIONAL AGRICULTURAL LIBRARY. THIS
DATA BASE IS DERIVED FROM THE CAIN DATA BASE PRODUCED BY THE
NATIONAL AGRICULTURAL LIBRARY
ELEMENTS: TITLE, AUTHOR, KEYWORDS, SUBJECT HEADINGS, CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 120,000
PURCHASE: \$1,000, SUBSCRIPTION
LEASE: \$1,000, SUBSCRIPTION

NAME OF DATA BASE: CA INTEGRATED SUBJECT FILE, CA SUBJECT FILE
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL
SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: VOLUME INDEX ENTRIES TO CHEMICAL ABSTRACTS (CA) INCLUDING CA
CHEMICAL SUBSTANCE INDEX NAMES, GENERAL SUBJECT INDEX
ENTRIES, MOLECULAR FORMULAS, CAS REGISTRY NUMBERS AND CA
SECTION NUMBERS.
ELEMENTS: INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE
MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: SEMI-ANNUAL
LEASE: LEASED ON ANNUAL BASIS AT \$6,000.00/YEAR PLUS CHARGES FOR
MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: CHEMICAL ABSTRACTS SERVICE SOURCE INDEX, CAS SOURCE
INDEX, CAS INDEX
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 01/--/00 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL
SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: BIBLIOGRAPHIC CITATIONS AND DOCUMENT LOCATING INFORMATION
FOR ORIGINAL SOURCE LITERATURE OF CHEMISTRY AND CHEMICAL
ENGINEERING.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED
FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: QUARTERLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 5,500
LEASE: LEASED ON ANNUAL BASIS AT \$1,500.00 (FOR FIRST YEAR) AND
\$750.00 (FOR SUBSEQUENT YEARS) PLUS CHARGES FOR MAGNETIC TAPES
AND POSTAGE.

NAME OF DATA BASE: CHEMICAL ABSTRACTS CONDENSATES, CA CONDENSATES,
CAC, CA-C
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 07/--/68 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL
SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO, 43210
PHONE: 614-422-5022
CONTACT: DR. FRED TATE
ABSTRACT: BIBLIOGRAPHIC CITATIONS PLUS KEYWORD INDEX PHRASES FROM
CORRESPONDING ISSUES OF CHEMICAL ABSTRACTS. COVERS DOCUMENTS
RELEVANT TO CHEMISTRY AND CHEMICAL ENGINEERING
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION, KEYWORDS
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 360,000
LEASE: \$4400/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE

NAME OF DATA BASE: CHEMICAL-BIOLOGICAL ACTIVITIES, CBAC
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, BIOCHEMISTRY, BIOLOGY
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL
SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: ABSTRACTS COVERING LITERATURE THAT REPORT THE INTERACTIONS
OF CHEMICAL SUBSTANCES WITH BIOLOGICAL SYSTEMS IN VIVO AND
IN VITRO. THE LITERATURE COVERED INCLUDES JOURNALS, PATENTS,
REPORTS AND CONFERENCE AND SYMPOSIUM PROCEEDINGS. DATA IN
THIS FILE INCLUDE NAMES AND AFFILIATIONS OF AUTHORS AND
PATENT ASSIGNEES, PRIMARY JOURNAL BIBLIOGRAPHIC CITATIONS,
DOCUMENT TITLES AND FULL ABSTRACTS, MOLECULAR FORMULAS,
NAMES OF SUBSTANCES, CHEMICAL ABSTRACTS SECTION NUMBERS AND
CAS REGISTRY NUMBERS.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED
FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: BIWEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 34,000 (1973
ESTIMATE)
LEASE: LEASED ON ANNUAL BASIS AT \$2,500.00/YEAR PLUS CHARGES FOR
MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: CHEMICAL MARKET ABSTRACTS TAPE, CMA TAPE, CMA
ORIGINATOR: PREDICASTS INC., PREDICASTS
KEYWORDS: CHEMISTRY, SALES, MARKETING
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: UNIVERSITY CIRCLE RESEARCH CENTER, 11001 CEDAR AVE.,
CLEVELAND, OHIO 44106
PHONE: (216) 795-3000
CONTACT: RAMUNE KUBILIUNAS
ABSTRACT: THE CMA TAPE PROVIDES DIGESTS OF ALL LITERATURE SIGNIFICANT
TO CHEMICAL PRODUCTS MARKETING. COVERAGE INCLUDES BOTH
DOMESTIC AND FOREIGN INFORMATION ON ALL CHEMICAL PROCESS
INDUSTRIES.
ELEMENTS: TITLE, ABSTRACT, CLASSIFICATION, INDEXES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,000
PURCHASE: SUBSCRIPTION: \$500.00/YEAR
LEASE: SUBSCRIPTION: \$500.00/YEAR

NAME OF DATA BASE: CHEMICAL TITLES, CT
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING
TIME SPAN COVERED: FROM 01/--/62 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: CURRENT AWARENESS SERVICE THAT REPORTS THE TITLES OF SELECTED PAPERS OF CHEMICAL INTEREST RECENTLY PUBLISHED IN APPROXIMATELY 450 CURRENT JOURNALS. DATA IN THIS FILE INCLUDE NAMES OF AUTHORS, PRIMARY JOURNAL BIBLIOGRAPHIC CITATIONS, AND DOCUMENT TITLES.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: BIWEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 112,000 TITLES (1973 ESTIMATE)
LEASE: LEASED ON ANNUAL BASIS AT \$1,700.00/YEAR PLUS CHARGES FOR MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: COMPUTERIZED ENGINEERING INDEX, COMPENDEX
ORIGINATOR: ENGINEERING INDEX INC., ENGINEERING INDEX
KEYWORDS: ENGINEERING
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: 345 E 47TH ST. NEW YORK, N.Y. 10017
CONTACT: JOHN W. CARRIGY, CHIEF
ABSTRACT: COMPENDEX IS THE MACHINE READABLE VERSION OF THE EI DATA BASE PROVIDING COVERAGE OF THE IMPORTANT CONTENTS OF SOME 3,500 JOURNALS, PUBLICATIONS OF ENGINEERING ORGANIZATIONS AND SOCIETIES, PAPERS FROM THE PROCEEDINGS OF CONFERENCES AS WELL AS SELECTED GOVERNMENT REPORTS AND BOOKS, PUBLISHED WORLDWIDE. THIS INPUT IS ARRANGED UNDER SUBJECT HEADINGS AND SUBHEADINGS FROM A CONTROLLED LIST IN EXCESS OF 12,000 TERMS.
ELEMENTS: TITLE, AUTHOR, ABSTRACT, CLASSIFICATION, KEYWORDS, SUBJECT HEADINGS, ORGANIZATION, CROSS REFERENCES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 85,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: BASE FEES: LEASE - \$6,500/YEAR OR \$23,400 FOR WHOLE SET.
LICENSE - \$6,000/YEAR OR \$21,600 FOR WHOLE SET PLUS ROYALTY CHARGES

NAME OF DATA BASE: COMPREHENSIVE DATA BASE OF PATENTS
ORIGINATOR: IFI/PLENUM DATA COMPANY, IFI/PLENUM, IFI, PLENUM
KEYWORDS: CHEMISTRY, PATENTS
TIME SPAN COVERED: FROM 01/--/50 TO 12/--/71
ADDRESS: 2001 JEFFERSON DAVIS HIGHWAY, SUITE 1100, ARLINGTON, VA. 22202
PHONE: (703) 521-1140
CONTACT: MR. HARRY M. ALLCOCK, VICE PRESIDENT
ABSTRACT: ALL U.S. CHEMICAL AND CHEMICALLY-RELATED PATENTS, PLUS FOREIGN EQUIVALENTS TO U.S. PATENTS FROM GREAT BRITAIN, FRANCE, GERMANY, BELGIUM AND THE NETHERLANDS. SEARCHABLE BY A FRAGMENTATION CODE, COMPOUND REGISTRY SYSTEM, AND GENERAL TERMS.
ELEMENTS: TITLE, ABSTRACT, KEYWORDS, CLASSIFICATION, ASSIGNEE, US PATENT NUMBER, CA REGISTRY NUMBER
FREQUENCY OF ISSUE: QUARTERLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 25,000
PURCHASE: \$35,000 FOR MASTER FILE, \$16,000 ANNUAL UPDATE
CHARGE. SUBSETS: \$15,000, \$8,000 ANNUAL UPDATE CHARGE.
LEASE: \$11,000/YEAR FOR MINIMUM OF 5 YEARS.

NAME OF DATA BASE: COMPUTER BASED NUCLEAR MAGNETIC RESONANCE
LITERATURE RETRIEVAL SYSTEM
ORIGINATOR: NATIONAL INSTITUTE OF ARTHRITIC & METABOLIC DISEASES,
NATIONAL INSTITUTES OF HEALTH, NIH
KEYWORDS: NUCLEAR SCIENCE, NUCLEAR MAGNETIC RESONANCE
TIME SPAN COVERED: FROM 07/--/64 TO 08/--/71
ADDRESS: NATIONAL INSTITUTES OF HEALTH, BLDG. 2, ROOM B2-02, BETHESDA,
MD 20014
CONTACT: DR. EDWIN D. BECKER
ABSTRACT: THIS SYSTEM PERMITS COMPUTER STORAGE AND RETRIEVAL OF
INFORMATION FROM PRESTON NMR ABSTRACTS. THE MASTER FILE
CONTAINS ALL ABSTRACTS ISSUED FROM JULY 1964 TO PRESENT.
ELEMENTS: TITLE, ORGANIZATION, ADDRESS, DESCRIPTIVE PHRASES
FREQUENCY OF ISSUE: YEARLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,500
PURCHASE: PURCHASE ON NON PROFIT BASIS AT \$150.
LEASE: PURCHASE ONLY.

NAME OF DATA BASE: COMPUTERIZED INFORMATION RETRIEVAL SYSTEM OF THE
GAS CHROMATOGRAPHY LITERATURE
ORIGINATOR: W. R. GRACE & COMPANY, W. R. GRACE
KEYWORDS: SCIENCE, GAS CHROMATOGRAPHY, CHEMISTRY
TIME SPAN COVERED: FROM 01/--/52 TO 12/--/71
ADDRESS: WASHINGTON RESEARCH CENTER, CLARKSVILLE, MD 21029
CONTACT: ROSEANN GEYER
ABSTRACT: THIS SYSTEM COVERS ALL GAS CHROMATOGRAPHY ABSTRACTS
PUBLISHED BY PRESTON TECHNICAL ABSTRACTS SINCE THE INCEPTION
OF ITS ABSTRACTING SERVICE, I.E. FROM 1952 TO PRESENT. OVER
25,000 ABSTRACTS ARE INCLUDED. SEARCHES CAN BE MADE FROM A
VOCABULARY OF BETTER THAN 16,000 TERMS WHICH HAVE BEEN
GROUPED INTO THE FOLLOWING CATEGORIES: 1) SPECIFIC & CLASS OF
COMPOUNDS DETERMINED, 2) MATERIALS ANALYZED, 3)
MISCELLANEOUS.
ELEMENTS: TITLE, ADDRESS, KEYWORDS
FREQUENCY OF ISSUE: MINIMUM YEARLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,400
PURCHASE: \$800 FOR SET, \$125 PER UPDATING.
LEASE: PURCHASE ONLY.

NAME OF DATA BASE: CPI MAGNETIC TAPE FILE
ORIGINATOR: INTERNATIONAL SYSTEMS DESIGN INC.
KEYWORDS: CHEMISTRY, PETROLEUM, DRUGS, TEXTILES
TIME SPAN COVERED: FROM 08/--/68 TO 10/--/72
ADDRESS: 2175 LEMOINE AVE., FORT LEE, N.J. 07024
PHONE: (201) 947-4113
CONTACT: MR. LOUIS F. SCHIOPPO
ABSTRACT: COVERS MATERIAL RELEVANT TO 20 MAJOR INDUSTRIES: INORGANIC
CHEMICALS, ORGANIC CHEMICALS, CHEMICAL SPECIALTIES, COAL,
CPI INDUSTRY DATA, COMPUTERS & EDP, DRUGS, COATINGS,
DYESTUFFS, ESSENTIAL OILS, SOAPS & DETERGENTS, TOILETRIES &
COSMETICS, FOODSTUFFS, METALS, MINERALS, OILS, FATS & WAXES,
PACKAGING, PESTICIDES, PETROLEUM, PLASTICS, PULP & PAPER,
RUBBER, TEXTILES, AND FERTILIZERS.
ELEMENTS: TITLE, ADDRESS, ABSTRACT, KEYWORDS, SUBJECT
HEADINGS, CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 50,000
PURCHASE: YEARLY SUBSCRIPTION OF DATA FILES 1970, 1971 THRU 1972 -
\$10,000 (INCLUDES RETRIEVAL PROGRAMS). MONTHLY SUBSCRIPTION
TO ONE SUB-DATA FILE FOR CURRENT YEAR - \$2,000/YEAR.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE ARRANGEMENTS UNDER
PURCHASE.

NAME OF DATA BASE: CRYSTALLOGRAPHIC DATA CENTRE BIBLIOGRAPHIC FILE
ORIGINATOR: CRYSTALLOGRAPHIC DATA CENTRE
KEYWORDS: CHEMISTRY, CRYSTALLOGRAPHY
TIME SPAN COVERED: FROM 01/--/35 TO PRESENT.
ADDRESS: UNIVERSITY CHEMICAL LABORATORY, LENSFIELD ROAD, CAMBRIDGE,
ENGLAND, CB2 1EW
CONTACT: DR. D. G. WATSON
ABSTRACT: SINGLE CRYSTAL CRYSTALLOGRAPHIC STUDIES BY X-RAY AND NEUTRON
DIFFRACTION OF ORGANIC AND ORGANOMETALLIC COMPOUNDS. ONLY
COMPLETELY DETERMINED CRYSTAL STRUCTURES ARE INCLUDED IN THE
FILE.
ELEMENTS: ABBREVIATED TITLE, INTERNAL CODE NUMBER, CLASSIFICATION,
CHEMICAL NOMENCLATURE, MOLECULAR FORMULA
FREQUENCY OF ISSUE: 6 WEEKS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,000
PURCHASE: BASE FEE \$250 , SUBSCRIPTION FEE \$50/YEAR, UPDATE SERVICE
\$120/YEAR
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER
PURCHASE.

NAME OF DATA BASE: CURRENT INDEX TO JOURNALS IN EDUCATION, CIJE, ERIC
ORIGINATOR: NATIONAL INSTITUTE OF EDUCATION, NIE, EDUCATIONAL
RESOURCES INFORMATION CENTER, ERIC, ERIC PROCESSING AND
REFERENCE FACILITY
KEYWORDS: EDUCATION
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: ERIC PROCESSING AND REFERENCE FACILITY, 4833 RUGBY AVE.,
SUITE 303, BETHESDA, MARYLAND, 20014
PHONE: 301-656-9723
CONTACT: MR. W.T. BRANDHORST
ABSTRACT: CIJE IS A MONTHLY ABSTRACT JOURNAL, ISSUED ALSO ON MAGNETIC
TAPE, ANNOUNCING JOURNAL ARTICLES IN THE FIELD OF EDUCATION
AND EDUCATION-RELATED MATERIALS. RIE, RESEARCH IN EDUCATION,
IS ALSO ISSUED BY NIE.
ELEMENTS: TITLE, AUTHOR, KEYWORDS, ABSTRACT, ANNOTATION
FREQUENCY OF ISSUE: MONTHLY, QUARTERLY AND ANNUAL OPTIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 20,000 ARTICLES
PURCHASE: \$80 PER TAPE REEL

NAME OF DATA BASE: CURRENT PROGRAMS
ORIGINATOR: WORLD MEETINGS INFORMATION CENTER INC., WORLD MEETINGS
KEYWORDS: SCIENCE, INTERDISCIPLINARY
TIME SPAN COVERED: FROM 10/--/72 TO PRESENT.
ADDRESS: 824 BOYLSTON ST., CHESTNUT HILL, MA. 02167
PHONE: (617) 731-4440
CONTACT: HARRY BAUM
ABSTRACT: SCIENTIFIC AND TECHNICAL MEETINGS PROGRAMS, INCLUDING
BIOMEDICAL AREA. SUBJECT AREAS INCLUDE AEROSPACE SCIENCES
AND ENGINEERING, ANIMAL & PLANT SCIENCE, BIOCHEMISTRY,
BIOLOGY, CHEMISTRY & CHEMICAL ENGINEERING, MECHANICAL &
CIVIL ENGINEERING, CLINICAL MEDICINE, ELECTRONICS,
EXPERIMENTAL BIOLOGY AND MEDICINE, GEOSCIENCES, MATERIALS
SCIENCE AND ENGINEERING, MATHEMATICS, PHARMACOLOGY, PHYSICS
& ASTRONOMY, AND POWER AND NUCLEAR ENGINEERING.
ELEMENTS: TITLE, KEYWORDS, ADDRESS, WORLD MEETINGS REGISTRY NUMBERS,
ORGANIZATION, DATE, LOCATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1,200 MEETING
PROGRAMS, 120,000
PAPERS
PURCHASE: INFORMATION AVAILABLE FROM B. J. FUNDERBUNK, CCMIC, 866
THIRD AVE., NEW YORK, NEW YORK 10022
LEASE: INFORMATION AVAILABLE FROM B. J. FUNDERBUNK. CCMIC

NAME OF DATA BASE: ELECTRONICS MARKET ABSTRACTS TAPE, EMA TAPE, EMA
ORIGINATOR: PREDICASTS INC., PREDICASTS
KEYWORDS: ELECTRONICS, SALES, MARKETING
TIME SPAN COVERED: FROM 07/--/72 TO PRESENT.
ADDRESS: UNIVERSITY CIRCLE RESEARCH CENTER, 11001 CEDAR AVE.,
CLEVELAND, OHIO 44106
PHONE: (216) 795-3000
CONTACT: RAMUNE KUBILIUNAS
ABSTRACT: AN EMA TAPE PROVIDES DIGESTS OF ALL LITERATURE SIGNIFICANT
TO ELECTRONICS MARKETS. COVERAGE INCLUDES BOTH DOMESTIC AND
FOREIGN INFORMATION ON COMPUTERS, COMMUNICATIONS SYSTEMS,
AND EQUIPMENT, CONSUMER ELECTRONICS, AEROSPACE, ELECTRONIC
COMPONENTS, INSTRUMENTS, CATV, AND OTHER ELECTRONICS
MARKETS.
ELEMENTS: TITLE, ABSTRACT, CLASSIFICATION, INDEXES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8000
PURCHASE: SUBSCRIPTION: \$500.00/YEAR
LEASE: SUBSCRIPTION: \$500.00/YEAR

NAME OF DATA BASE: EPILEPSY ABSTRACTS
ORIGINATOR: NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE,
NIH, NATIONAL INSTITUTES OF HEALTH
KEYWORDS: MEDICINE
TIME SPAN COVERED: FROM 01/--/47 TO 12/--/72
ADDRESS: SECTION ON EPILEPSY, NATIONAL INSTITUTE OF NEUROLOGICAL
DISEASES AND STROKE, BETHESDA, MARYLAND 20014
PHONE: (301) 496-6691
CONTACT: J. KIFFIN PENRY, M.D.
ABSTRACT: COVERS MATERIAL ON BASIC NEUROSCIENCES AND CLINICAL ASPECTS
OF EPILEPSY.
ELEMENTS: TITLE, ADDRESS, ABSTRACT, KEYWORDS
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1,550
PURCHASE: NO CHARGE. TAPE SUPPLIED BY USER.
LEASE: SEE PURCHASE.

NAME OF DATA BASE: EXCERPTA MEDICA
ORIGINATOR: EXCERPTA MEDICA FOUNDATION, EXCERPTA MEDICA
KEYWORDS: MEDICINE, BIOLOGICAL SCIENCES, HEALTH, BIOLOGY, PHARMACOLOGY
TIME SPAN COVERED: FROM 09/--/68 TO PRESENT.
ADDRESS: HERENGRACHT 364, AMSTERDAM, THE NETHERLANDS (IN U.S. CONTACT
31 CO., 2101 WALNUT STREET, PHILADELPHIA, PENN. 19103)
PHONE: 020-222138
CONTACT: DR. P. J. VINKEN
ABSTRACT: COVERS ARTICLES ON MEDICINE, MEDICAL SPECIALTIES, PHARMACY
AND PHARMACOLOGY, THE BASIC BIOLOGICAL SCIENCES TO THE
EXTENT THAT THE ARTICLES ARE RELEVANT TO HUMAN MEDICINE, AND
THE CHEMICAL SYNTHESIS OR DETERMINATION OF DRUGS AND
POTENTIAL DRUGS.
ELEMENTS: TITLE, AUTHOR, ABSTRACT, KEYWORDS, CLASSIFICATION, SUBJECT
HEADINGS, CODEN
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 250,000
PURCHASE: COSTS ARE TO BE NEGOTIATED
LEASE: COSTS ARE TO BE NEGOTIATED

NAME OF DATA BASE: F&S INDEX TAPE, F&S INDEX, F&S
ORIGINATOR: PREDICASTS INC., PREDICASTS
KEYWORDS: MARKETING
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: UNIVERSITY CIRCLE RESEARCH CENTER, 11001 CEDAR AVE.,
CLEVELAND, OHIO 44106
PHONE: (216) 795-3000
CONTACT: RAMUNE KUBILIUNAS
ABSTRACT: THE F&S INDEX TAPE CONTAINS INDEX BRIEFS FROM OVER 1000
LEADING U.S. AND INTERNATIONAL BUSINESS, FINANCIAL AND TRADE
MAGAZINES, KEY NEWSPAPERS, BANK LETTERS, CONGRESSIONAL
HEARINGS, ANALYTIC REPORTS OF GOVERNMENT AGENCIES, AND
INVESTMENT ADVISORY SERVICES.
ELEMENTS: TITLE, ABSTRACT, CLASSIFICATION, INDEXES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 200,000
PURCHASE: SUBSCRIPTION: \$1,500.00/YEAR
LEASE: SUBSCRIPTION: \$1,500.00/YEAR

NAME OF DATA BASE: FOOD SCIENCE & TECHNOLOGY ABSTRACTS
ORIGINATOR: INTERNATIONAL FOOD INFORMATION SERVICE, IFIS
KEYWORDS: SCIENCE, TECHNOLOGY, PATENTS, AGRICULTURE
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: NIRD, SHINFIELD, READING, BERKS, U.K.
CONTACT: DR. SCHUTZACK IFIS, IDW, HERIOTSTRASSE, FRANKFURT, W. GERMANY
ABSTRACT: COVERS JOURNALS, PATENTS, AND BOOKS ON FOOD SCIENCE AND
TECHNOLOGY.
ELEMENTS: TITLE, ADDRESS, ABSTRACT, KEYWORDS, SUBJECT HEADINGS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 16,500
PURCHASE: LEASE ONLY
LEASE: \$1,750/YEAR

NAME OF DATA BASE: FRUITS
ORIGINATOR: INSTITUT FRANCAIS DE RECHERCHES FRUITIERES OUTRE MER
KEYWORDS: AGRICULTURE, FRUITS
TIME SPAN COVERED: FROM 01/--/63 TO PRESENT.
ADDRESS: 6, RUE DU GENERAL CLERGIERIE, PARIS 16, FRANCE
CONTACT: M. SIMONOT
ABSTRACT: FRUITS TROPICAUX ET SUBTROPICAUX, CULTURE, TRANSPORT,
TECHNOLOGIE, PRODUITS TRANSFORMES. LE SYSTEME EST
ACTUELLEMENT UTILISE POUR L'EDITION DE BIBLIOGRAPHIES ET
D'INDEX IMPRIMES, PUBLIES CHAQUE MOIS DANS LA REVUE FRUITS.
MAIS LA RECHERCHE RETROSPECTIVE SUR PLUSIEURS ANNEES SE FERA
DANS L'AVENIR PAR INTERROGATION DIRECTE DE LA MEMOIRE.
ELEMENTS: TITLE, ORGANIZATION, ABSTRACT, DESCRIPTORS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: NOT INDICATED
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: GEOLOGICAL REFERENCE FILE, GEO-REF, GEOREF, GEO REF
ORIGINATOR: AMERICAN GEOLOGICAL INSTITUTE, AGI
KEYWORDS: SCIENCE, EARTH SCIENCE, GEOLOGY
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: 2201 M ST. N.W. WASHINGTON D.C. 20037
PHONE: NOT INDICATED
CONTACT: BRUCE ADKINS OR PHIL JOHNSON
ABSTRACT: GEO REF COMPUTER TAPES CONTAIN REFERENCES TO WORLD WIDE
GEOLOGICAL AND EARTH SCIENCES LITERATURE. THE RETROSPECTIVE
DATA BASE CONTAINED NEARLY 130,000 CITATIONS AT THE END OF
1971 DRAWN FROM ALMOST 3,000 SERIAL JOURNALS, MONOGRAPHS,
SYMPOSIA PROCEEDINGS, DISSERTATIONS AND CONTRACT REPORTS,
PUBLISHED IN 35 DIFFERENT LANGUAGES
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 40,000
PURCHASE: LEASE ONLY
LEASE: \$0.10 PER REFERENCE (\$350-400 MONTHLY) PLUS ROYALTY CHARGES.

NAME OF DATA BASE: GOVERNMENT REPORTS ANNOUNCEMENTS, GRA, USGRDR
ORIGINATOR: NATIONAL TECHNICAL INFORMATION SERVICE, NTIS
KEYWORDS: MULTIDISCIPLINARY, SCIENCE, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/64 TO PRESENT.
ADDRESS: 5285 PORT ROYAL ROAD, SPRINGFIELD, VIRGINIA, 22151
PHONE: 703-321-8525
CONTACT: MR. MARVIN WILSON
ABSTRACT: GRA TAPES COVER THE GOVERNMENT REPORTS ISSUED BY NTIS. THIS
DATA BASE WAS FORMERLY CALLED U.S. GOVERNMENT RESEARCH AND
DEVELOPMENT REPORTS (USGRDR).
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, KEYWORDS, COSATI
CLASSIFICATION, ABSTRACT
FREQUENCY OF ISSUE: SEMI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 56,000
PURCHASE: \$2000/YEAR

NAME OF DATA BASE: INDEX CHEMICUS REGISTRY SYSTEM, ICRS
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION, ISI
KEYWORDS: CHEMISTRY
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: CHARLES E. GRANITO
ABSTRACT: ARTICLES REPORTING NEW CHEMICAL COMPOUNDS OR REACTIONS (OVER
150,000 PER YEAR) ARE INPUT FOR SERVICE. APPROXIMATELY
15,000 ARTICLES PER YEAR ARE INCLUDED IN THE DATA BASE.
SEARCHABLE ELEMENTS INCLUDE TITLE, AUTHOR(S), ORGANIZATION,
SUBJECT TERMS ASSIGNED BY CHEMISTS AT ISI, USE PROFILES,
ANALYTICAL DATA CODES, JOURNAL CITATION, MOLECULAR FORMULA
AND WISWESSER LINE NOTATION (FOR CHEMICAL STRUCTURES).
ELEMENTS: TITLE, AUTHOR, ADDRESS, KEYWORDS, BIBLIOGRAPHIC CITATION,
MOLECULAR FORMULA, WISWESSER NOTATIONS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 15,000
PURCHASE: \$9,500/YEAR
LEASE: \$9,500/YEAR, \$7,500/YEAR FOR BACKFILES, MULTIPLE YEAR DISCOUNTS
AVAILABLE.

NAME OF DATA BASE: MATHEMATICAL TITLE SERVICE/INDEX OF MATHEMATICAL
PAPERS, INDEX OF MATHEMATICAL PAPERS, MATHEMATICAL
TITLE SERVICE
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY, AMS
KEYWORDS: MATHEMATICS
TIME SPAN COVERED: FROM 07/--/70 TO PRESENT.
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE,
R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: ARTICLES IN MATHEMATICS AND RELATED FIELDS. 6-MONTH COVERAGE
INCLUDES ALL ARTICLES RECEIVED FOR PROCESSING WITHIN THAT
6-MONTH PERIOD. THIS DATA BASE UTILIZES THE SAME ARTICLES
COVERED BY THE MATHEMATICAL TITLE SERVICE MONTHLY COVERAGE.
EACH 6-MONTH FILE IS AVAILABLE IN PUBLISHED FORM FROM THE
SOCIETY AS THE INDEX OF MATHEMATICAL PAPERS.
ELEMENTS: TITLE, AUTHOR, CLASSIFICATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: 6 MONTHS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 11,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: \$600 FOR THE FIRST YEAR, \$60/YEAR THEREAFTER FOR LEASE OR
LICENSE WITH ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: INSPEC
ORIGINATOR: INSPEC, INSTITUTION OF ELECTRICAL ENGINEERS
KEYWORDS: PHYSICS, ENGINEERING, COMPUTER SCIENCE, ELECTRONICS, PATENTS
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: THE INSTITUTION OF ELECTRICAL ENGINEERS, SAVOY PLACE, LONDON
WC2R OBL, ENGLAND
PHONE: 01-240 1871
CONTACT: MISS B. ROSENBERG
ABSTRACT: COVERS MATERIAL ON PHYSICS, ELECTRICAL AND ELECTRONICS
ENGINEERING, AND COMPUTERS AND CONTROL ENGINEERING. TWO
TAPES ARE PRODUCED AND DISTRIBUTED: INSPEC-1 INCLUDES
ABSTRACTS, INSPEC-2 DOES NOT.
ELEMENTS: ADDRESS, ABSTRACT, SUBJECT HEADINGS, CLASSIFICATION,
BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: BIWEEKLY OR MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 150,000
PURCHASE: LEASE ONLY
LEASE: SUBSCRIPTION RATES . JGE FROM \$3,400 TO \$6,000 PER YEAR.

NAME OF DATA BASE: INTERNATIONAL LABOUR DOCUMENTATION
ORIGINATOR: INTERNATIONAL LABOUR OFFICE
KEYWORDS: SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: 1211 GENEVA 22, SWITZERLAND
PHONE: (022) 32.62.00
CONTACT: G. K. THOMPSON
ABSTRACT: COVERS ARTICLES DEALING WITH ALL ASPECTS OF LABOR, SUCH AS
MANPOWER PLANNING, INDUSTRIAL RELATIONS, VOCATIONAL
TRAINING, WAGES, DISCRIMINATION, ETC., PLUS ECONOMIC &
SOCIAL DEVELOPMENT, AND PROBLEMS OF DEVELOPING COUNTRIES.
ELEMENTS: TITLE, ABSTRACT, KEYWORDS, CLASSIFICATION, BIBLIOGRAPHIC
CITATION, LANGUAGE
FREQUENCY OF ISSUE: SEMI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 7,000
PURCHASE: NOT AVAILABLE FOR USE BY COMMERCIAL FIRMS. BONA FIDE
RESEARCH INSTITUTIONS ARE CHARGED HANDLING FEE & COPYING
COSTS.
LEASE: SEE PURCHASE

NAME OF DATA BASE: INTERNATIONAL NUCLEAR INFORMATION SYSTEM, INIS
ORIGINATOR: INTERNATIONAL ATOMIC ENERGY AGENCY, IAEA
KEYWORDS: SCIENCE, NUCLEAR SCIENCE, ATOMIC ENERGY
TIME SPAN COVERED: FROM 04/--/70 TO PRESENT.
ADDRESS: INIS SECTION, KARTNER RING 11, P.O. BOX 590, A-1011, VIENNA,
AUSTRIA
CONTACT: THE INIS LIAISON OFFICERS
ABSTRACT: COVERS MATERIAL DEALING WITH PEACEFUL USES OF NUCLEAR
SCIENCE AND TECHNOLOGY, PHYSICAL SCIENCES, CHEMISTRY,
MATERIALS AND EARTH SCIENCES, ISOTOPES, ISOTOPE AND
RADIATION APPLICATIONS, ENGINEERING AND TECHNOLOGY, AND
OTHER ASPECTS OF NUCLEAR ENERGY.
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, KEYWORDS, CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 45,000
PURCHASE: AVAILABLE FREE OF CHARGE ONLY TO MEMBER STATES PARTICIPATING
IN INIS.
LEASE: SEE PURCHASE.

NAME OF DATA BASE: IPA INFORMATION SYSTEM, INTERNATIONAL
PHARMACEUTICAL ABSTRACTS
ORIGINATOR: AMERICAN SOCIETY OF HOSPITAL PHARMACISTS, INTERNATIONAL
PHARMACEUTICAL ABSTRACTS
KEYWORDS: MEDICINE, HEALTH, PHARMACOLOGY
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 4630 MONTGOMERY AVE., WASHINGTON, D. C. 20014
CONTACT: D.R. TOUSIGNAUT, ED. IPA
ABSTRACT: COVERS ARTICLES, GOVERNMENT REPORTS, AND PATENTS RELATFD TO
PHARMACOLOGY, MEDICINE, AND HEALTH.
ELEMENTS: TITLE, CLASSIFICATION, SUBJECT HEADINGS, ADDRESS, BIBLIOGRAPHIC
CITATION
FREQUENCY OF ISSUE: AS REQUESTED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 6,000
PURCHASE: ANNUAL UPDATE - \$550.00. SEMIANNUAL UPDATE - \$350.00.
QUARTERLY UPDATE - \$1,500.00.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER
PURCHASE.

NAME OF DATA BASE: INTERNATIONAL TREE DISEASE REGISTER, INTREDIS
ORIGINATOR: U.S. FOREST SERVICE, NATIONAL AGRICULTURAL LIBRARY, NAL
KEYWORDS: AGRICULTURE, FORESTRY
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: SOUTHEASTERN FOREST EXPERIMENTATION STATION, CARLTON STREET,
ATHENS, GEORGIA 30601
CONTACT: MR. VERN J. VAN DYKE, COMPUTER APPLICATIONS, NAL
ABSTRACT: COVERS MATERIAL ON PLANT PATHOLOGY: HOSTS AND CAUSAL
ORGANISM. THIS DATA BASE IS KEYED AND PRODUCED AT THE
NATIONAL AGRICULTURAL LIBRARY FROM SOURCE DOCUMENTS SUPPLIED
BY THE U.S. FOREST SERVICE.
ELEMENTS: TITLE, KEYWORDS, AUTHOR
FREQUENCY OF ISSUE: ON REQUEST
PURCHASE: \$45 A REEL, NORMALLY 1 REEL PER MONTH.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: IOWA DRUG INFORMATION SERVICE, IDIS
ORIGINATOR: IOWA DRUG INFORMATION SERVICE, IDIS
KEYWORDS: MEDICINE, HEALTH, PHARMACOLOGY, DRUGS
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: COLLEGE OF PHARMACY, UNIVERSITY OF IOWA, IOWA CITY, IOWA
52240
CONTACT: WILLIAM W. TESTER
ABSTRACT: ARTICLES FROM 150 JOURNALS PERTAINING TO DRUGS AND DRUG
THERAPY ARE INDEXED BY DRUG, DISEASE STATE, AND PHARMACEUTIC
AND CLINICAL DESCRIPTORS. COVERAGE OF PHARMACY AND MEDICAL
JOURNALS BEGAN WITH 1966 ISSUES.
ELEMENTS: TITLE, KEYWORDS, SUBJECT HEADINGS, CLASSIFICATION, ORGANIZATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 6,000
PURCHASE: SUBSCRIPTION \$900.00 . ARRANGEMENTS FOR BACKFILES ALSO
POSSIBLE.
LEASE: SUBSCRIPTION ONLY. SEE PRICES UNDER PURCHASE.

NAME OF DATA BASE: ISI CITATION MAGNETIC TAPES, ISI CITATION TAPES
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION, ISI
KEYWORDS: SCIENCE, MEDICINE, ENGINEERING, LIFE SCIENCE
TIME SPAN COVERED: FROM 01/--/64 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: MELVIN WEINSTOCK
ABSTRACT: COVERS ARTICLES APPEARING IN THE PRIME JOURNALS OF SCIENCE,
BASIC AND APPLIED, ENGINEERING, TECHNOLOGY, LIFE SCIENCES,
MEDICINE. ISI ALSO PRODUCES ISI SOURCE MAGNETIC TAPES
ELEMENTS: AUTHOR, CITATION INDEXES
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 374,000
PURCHASE: NOT SPECIFIED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER
LEASE.
LEASE: \$12,000/YEAR.

NAME OF DATA BASE: ISI SOURCE INDEX MAGNETIC TAPES, ISI SOURCE INDEX
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION, ISI
KEYWORDS: SCIENCE, MEDICINE, ENGINEERING, LIFE SCIENCE
TIME SPAN COVERED: FROM 01/--/64 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: MELVIN WEINSTOCK
ABSTRACT: COVERS ARTICLES APPEARING IN THE PRIME JOURNALS OF SCIENCE,
BASIC AND APPLIED, ENGINEERING, TECHNOLOGY, LIFE SCIENCES,
MEDICINE. ISI ALSO PRODUCES ISI CITATION TAPES.
ELEMENTS: TITLE, AUTHOR, ADDRESS, BIBLIOGRAPHIC CITATION, LANGUAGE,
WORD-IN-TITLE INDEXES
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 374,000
PURCHASE: NOT SPECIFIED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER
LEASE.
LEASE: \$8,000/YEAR, \$4,000/YEAR FOR BACKFILES.

NAME OF DATA BASE: INVENTORY OF PUBLISHED RESEARCH IN MARRIAGE AND
FAMILY BEHAVIOR, MARRIAGE AND FAMILY BEHAVIOR,
MARRIAGE, FAMILY BEHAVIOR
ORIGINATOR: FAMILY STUDY CENTER
KEYWORDS: SOCIOLOGY, PSYCHOLOGY, PSYCHIATRY, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/00 TO PRESENT.
ADDRESS: 1014 SOCIAL SCIENCE BUILDING, UNIVERSITY OF MINNESOTA,
MINNEAPOLIS, MINNESOTA 55455
PHONE: 612-373-0341
CONTACT: NANCY S. DAHL
ABSTRACT: THE SCOPE OF THE INVENTORY'S COVERAGE ON THE FAMILY CAN BE
DESCRIBED BY INDICATING WHAT IS NOT INCLUDED. (1) UNPUBLISHED
THESES UNLESS THE FINDINGS WERE PUBLISHED, (2) HORTATORY
PRESCRIPTIONS FOR MARRYING, PROCREATING, OR PARENTING,
(3) SOCIAL, PHYSICAL, PSYCHOLOGICAL, OR HEREDITARY
CHARACTERISTICS OF INDIVIDUALS WHERE THE FOCUS WAS NOT ON
THEIR BEHAVIOR IN THE FAMILY, (4) POPULATION RATES WITH NO
DISCUSSION SHOWING THE SIGNIFICANCE OF THE DATA FOR THE
STUDY OF MARRIAGE OR FAMILY BEHAVIOR, (5) TEXTBOOKS AND OTHER
SECONDARY SOURCES UNLESS CONTAINING RESEARCH NOT PUBLISHED
ELSEWHERE, (6) NON-SYSTEMATIC WORKS IN POPULAR STYLE DIRECTED
TO THE LAY PUBLIC, (7) LEGAL TREATISES.
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: NOT INDICATED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,000
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: MARC DISTRIBUTION SERVICE (BOOKS), MARC BOOKS, MARC
ORIGINATOR: LIBRARY OF CONGRESS, LC
KEYWORDS: LIBRARIES, MULTIDISCIPLINARY, BOOKS
TIME SPAN COVERED: FROM 01/--/68 TO PRESENT.
ADDRESS: CARD DIVISION, LIBRARY OF CONGRESS, NAVY YARD ANNEX, BUILDING
159, WASHINGTON, D.C. 20541
PHONE: (202) 426-6167
CONTACT: MARC DISTRIBUTION SERVICE
ABSTRACT: INCLUDES BOOKS IN ALL SUBJECTS COLLECTED BY LC. RECORDS ARE
LIMITED TO ENGLISH LANGUAGE MATERIAL CATALOGED SINCE 1968.
FRENCH LANGUAGE MATERIAL WILL BE ADDED TO THE DATA BASE
SOMETIME IN 1973.
ELEMENTS: TITLE, SUBJECT HEADINGS, ORGANIZATION, LC CATALOG INFORMATION
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 70,000
PURCHASE: SUBSCRIPTION: \$1,000/YEAR
LEASE: SUBSCRIPTION: \$1,000/YEAR

NAME OF DATA BASE: MARC DISTRIBUTION SERVICE (FILMS), MARC FILMS, MARC
ORIGINATOR: LIBRARY OF CONGRESS, LC
KEYWORDS: LIBRARIES, MULTIDISCIPLINARY, FILMS
TIME SPAN COVERED: FROM 04/--/72 TO PRESENT.
ADDRESS: CARD DIVISION, LIBRARY OF CONGRESS, NAVY YARD ANNEX, BUILDING
159, WASHINGTON, D.C. 20541
PHONE: (202) 426-6167
CONTACT: MARC DISTRIBUTION SERVICE
ABSTRACT: INCLUDES RECORDS FOR ALL FILM MATERIAL CATALOGED BY LC SINCE
1972. BASIC CRITERION IS WHETHER ITEM CAN BE OBTAINED IN THE
UNITED STATES.
ELEMENTS: TITLE, SUBJECT HEADINGS, ORGANIZATION, LC CATALOG INFORMATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,500
PURCHASE: SUBSCRIPTION: \$400/YEAR
LEASE: SUBSCRIPTION: \$400/YEAR

NAME OF DATA BASE: MASS SPECTROMETRY BULLETIN
ORIGINATOR: MASS SPECTROMETRY DATA CENTRE
KEYWORDS: MASS SPECTROMETRY, CHEMISTRY, PHYSICS, SCIENCE
TIME SPAN COVERED: FROM 11/--/66 TO PRESENT.
ADDRESS: AWRE, ALDERMASTON, READING RG7 4PR, U.K.
CONTACT: MASS SPECTROMETRY DATA CENTRE
ABSTRACT: COVERS MATERIAL ON MASS SPECTROMETRY AND RELATED TOPICS.
ELEMENTS: ADDRESS, KEYWORDS, SUBJECT HEADINGS, AUTHORS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 7,500
PURCHASE: \$735 FOR 12 MONTHLY TAPES.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: MATERIALS OF MUSIC, MOM
ORIGINATOR: UNIVERSITY OF GEORGIA
KEYWORDS: MUSIC, EDUCATION
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: COMPUTER CENTER, UNIVERSITY OF GEORGIA, ATHENS, GEORGIA 30601
CONTACT: JOHN EDWARDS
ABSTRACT: COVERS ARTICLES, TEXTBOOKS, AND TEACHING MATERIALS IN THE
FIELD OF MUSIC.
ELEMENTS: TITLE, ABSTRACT, KEYWORDS
FREQUENCY OF ISSUE: SEMIANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 6,000
PURCHASE: \$1,000 PER ISSUE. \$.01 PER ANSWER RECEIVED FOR EACH PROFILE.
LEASE: LEASE AND LICENSE WILL BE NEGOTIATED.

NAME OF DATA BASE: MATHEMATICAL REVIEWS 5-YEAR INDEX (1965-1969),
MATHEMATICAL REVIEWS
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY, AMS
KEYWORDS: MATHEMATICS
TIME SPAN COVERED: FROM 01/--/65 TO 12/--/69
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE,
R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: CONTAINS REFERENCES FOR ALL ARTICLES REVIEWED IN
MATHEMATICAL REVIEWS FOR THE PERIOD 1965-1969. THIS DATA
WILL BE PUBLISHED IN THE FORM OF AN AUTHOR INDEX AND WILL BE
AVAILABLE FROM THE SOCIETY.
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: SINGLE ISSUE
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 80,000
PURCHASE: LEASED AND LICENSED ONLY.
LEASE: \$8,000 FOR THE FIRST YEAR, \$800/YEAR THEREAFTER FOR LEASE OR
LICENSE WITH ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: MATHEMATICAL TITLE SERVICE
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY,AMS
KEYWORDS: MATHEMATICS
TIME SPAN COVERED: FROM 03/--/72 TO PRESENT.
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE,
R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: ARTICLES IN MATHEMATICS AND RELATED FIELDS. MONTHLY ISSUE
COVERS ALL ARTICLES FROM WHICH SELECTIONS WERE MADE IN A
GIVEN MONTH TO PROVIDE PERSONALIZED LISTINGS FOR
SUBSCRIBERS.
ELEMENTS: TITLE, AUTHOR, CLASSIFICATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 11,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: \$1,200/YEAR FOR LEASE OR LICENSE WITH ROYALTY CHARGES FOR
LICENSE.

NAME OF DATA BASE: MATHEMATICS OF COMPUTATION VOLUMES 1-23,
MATHEMATICS OF COMPUTATION
ORIGINATOR: AMERICAN MATHEMATICAL SOCIETY,AMS
KEYWORDS: MATHEMATICS, COMPUTER SCIENCE
TIME SPAN COVERED: FROM 01/--/43 TO 12/--/69
ADDRESS: INFORMATION SYSTEMS DEVELOPMENT, P.O. BOX 6248, PROVIDENCE,
R.I. 02904
PHONE: (401) 272-9500
CONTACT: SAMUEL B. WHIDDEN, DIR.
ABSTRACT: CONTAINS THE COMPLETE BIBLIOGRAPHIC CITATION FOR EACH ENTRY
IN MATHEMATICS OF COMPUTATION, VOL. 1-23. ENTRIES CONSIST OF
ARTICLES AND REFERENCES IN APPLIED MATHEMATICS AND
MATHEMATICAL COMPUTATION, INCLUDING ORIGINAL RESEARCH,
MATHEMATICAL TABLES, TABLE ERRATA, REVIEWS, AND REPORTS ON
EARLY COMPUTING MACHINES. THE DATA IS TO APPEAR AS A
PUBLISHED AUTHOR AND SUBJECT INDEX.
ELEMENTS: TITLE, CLASSIFICATION, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: SINGLE ISSUE
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 5,000
PURCHASE: LEASE AND LICENSE ONLY.
LEASE: \$500 FOR FIRST YEAR, \$50/YEAR THEREAFTER FOR LEASE AND LICENSE.
ROYALTY CHARGES FOR LICENSE.

NAME OF DATA BASE: MECHEN
ORIGINATOR: ROYAL INSTITUTE OF TECHNOLOGY, RIT
KEYWORDS: INDUSTRY, ENGINEERING
TIME SPAN COVERED: FROM 03/--/68 TO PRESENT.
ADDRESS: ROYAL INSTITUTE OF TECHNOLOGY, LIBRARY, 100 44 STOCKHOLM 70
SWEDEN
PHONE: 08 236520
CONTACT: DR. BJORN TELL
ABSTRACT: COVERS ARTICLES ON MACHINERY, MECHANICAL ENGINEERING,
TOOLING, AND WORKSHOP PRACTICE.
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: SEMI-MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 40,000
PURCHASE: OPEN FOR NEGOTIATIONS.
LEASE: OPEN FOR NEGOTIATIONS.

NAME OF DATA BASE: METALS ABSTRACTS INDEX, METADEX
ORIGINATOR: AMERICAN SOCIETY FOR METALS
KEYWORDS: METALLURGY
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: METALS PARK, OHIO 44073
CONTACT: H. D. CHAFE, DIRECTOR
ABSTRACT: COVERS ARTICLES, PROCEEDINGS, BOOKS, ETC. ON METALLURGY.
ELEMENTS: TITLE, AUTHOR, KEYWORDS, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 25,000
PURCHASE: LEASE ONLY
LEASE: \$1,250/YEAR PLUS SUBSCRIPTION TO METALS ABSTRACTS AND METALS
ABSTRACTS INDEX.

NAME OF DATA BASE: NATIONAL AGRICULTURAL LIBRARY CAIN DATA BASE, CAIN
ORIGINATOR: NATIONAL AGRICULTURAL LIBRARY, NAL
KEYWORDS: AGRICULTURE
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: COMPUTER APPLICATIONS, NATIONAL AGRICULTURAL LIBRARY,
BELTSVILLE, MARYLAND 20705
CONTACT: MR. VERN J. VAN DYKE
ABSTRACT: THE CAIN TAPES CONTAIN BIBLIOGRAPHIC DATA ON DOCUMENTS
ACQUIRED BY THE NATIONAL AGRICULTURAL LIBRARY ON A WORLD
WIDE BASIS IN THE BROAD FIELD OF AGRICULTURE, INCLUDING
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY, AGRICULTURAL
PRODUCTS, ANIMAL INDUSTRY, ENGINEERING, ENTOMOLOGY, FOOD AND
HUMAN NUTRITION, FORESTRY, PESTICIDES, PLANT SCIENCE, SOILS
AND FERTILIZERS, AND OTHER RELATED SUBJECT FIELDS. INCLUDES
BOTH MONOGRAPHS AND JOURNAL ARTICLES.
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, KEYWORDS, SUBJECT
HEADINGS, CLASSIFICATION, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 120,000
PURCHASE: \$45 A REEL, NORMALLY 1 REEL PER MONTH.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: NATIONAL INFORMATION CENTER FOR EDUCATIONAL MEDIA,
NICEM
ORIGINATOR: UNIVERSITY OF SOUTHERN CALIFORNIA, USC
KEYWORDS: EDUCATION, LIBRARIES, FILMS
TIME SPAN COVERED: FROM 07/--/66 TO 11/--/72
ADDRESS: LOS ANGELES, CALIFORNIA 90007
CONTACT: M. THOMAS RISNER, DIRECTOR
ABSTRACT: COVERS NON-PRINT MEDIA INCLUDING 16MM EDUCATIONAL MOTION
PICTURES, 35MM EDUCATIONAL FILMSTRIPS, 8MM MOTION CARTRIDGE,
VIDEOTAPES, OVERHEAD TRANSPARENCIES, AUDIO TAPES, RECORDS,
AND SLIDE SETS.
ELEMENTS: TITLE, ADDRESS, ABSTRACT, SUBJECT HEADINGS, CLASSIFICATION,
LIBRARY OF CONGRESS ACQUISITION NUMBER
FREQUENCY OF ISSUE: NOT INDICATED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 46,000
PURCHASE: NOT INDICATED
LEASE: NOT INDICATED

NAME OF DATA BASE: NUCLEAR SCIENCE ABSTRACTS, NSA
ORIGINATOR: ATOMIC ENERGY COMMISSION, AEC, AEC TECHNICAL INFORMATION
CENTER
KEYWORDS: NUCLEAR SCIENCE, ENGINEERING, ATOMIC ENERGY
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: P.O. BOX 62, OAK RIDGE, TENN. 37830
PHONE: (615) 483-8611 X34352
CONTACT: JAMES CAPE
ABSTRACT: INTERNATIONAL LITERATURE OF NUCLEAR SCIENCE AND TECHNOLOGY.
ELEMENTS: TITLE, AUTHOR, CORPORATE
AUTHOR, ADDRESS, KEYWORDS, CLASSIFICATION, BIBLIOGRAPHIC
CITATION
FREQUENCY OF ISSUE: TWICE A MONTH
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 65,000
PURCHASE: OTHER FEDERAL AGENCIES - \$1,265/YEAR; AEC COST-TYPE
CONTRACTORS - \$1,605/YEAR; OTHER CUSTOMERS - \$1,845/YEAR.
LEASE: PURCHASE ONLY

NAME OF DATA BASE: PANDEX CURRENT INDEX TO SCIENTIFIC AND TECHNICAL
LITERATURE, PANDEX
ORIGINATOR: CCM INFORMATION CORPORATION, CCM
KEYWORDS: SCIENCE, MEDICINE, MULTIDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 866 THIRD AVENUE NEW YORK, N.Y. 10022
PHONE: (212) 935-4296
CONTACT: BILL J. FUNDERBURK, DIR.
ABSTRACT: 2400 OF THE WORLD'S LEADING SCIENTIFIC, TECHNICAL, AND
MEDICAL JOURNALS ARE COVERED TO GATHER INPUT FOR THIS
LARGE, COMPREHENSIVE, INTERDISCIPLINARY BIBLIOGRAPHIC FILE.
ELEMENTS: TITLE, AUTHOR, KEYWORDS, CLASSIFICATION, ORGANIZATION,
BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 250,000
PURCHASE: \$4,000, SUBSCRIPTION
LEASE: \$4,000, SUBSCRIPTION

NAME OF DATA BASE: ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER
CHEMISTRY, PAPER CHEMISTRY
ORIGINATOR: THE INSTITUTE OF PAPER CHEMISTRY
KEYWORDS: PAPER CHEMISTRY, CHEMISTRY, PATENTS
TIME SPAN COVERED: FROM 07/--/66 TO PRESENT.
ADDRESS: BOX 1048, APPLETON, WISCONSIN 54911
PHONE: 414-734-9251
CONTACT: DR. W. S. MCCLENAHAN
ABSTRACT: ABSTRACTS OF PUBLISHED ARTICLES, BOOKS, PATENTS,
DISSERTATIONS, AND OTHER LITERATURE IN THE FIELDS OF PULP,
PAPER, AND ALLIED SCIENCE AND TECHNOLOGY. LITERATURE DEALS
WITH THEORETICAL PRINCIPLES, TECHNOLOGIES, RAW MATERIALS,
PRODUCTS, AND PRACTICES OF WORLDWIDE PAPER AND PAPERBOARD
MANUFACTURING AND UTILIZING INDUSTRIES. THE DATA BASE IS
ISSUED IN 5 FORMS: (1) COMPLETE TEXT WITH KEYWORDS,
(2) COMPLETE TEXT WITH KEYWORDS, INVERTED FILE, (3) KEYWORD
SUPPLEMENT, (4) COMPLETE TEXT, AND (5) CITATIONS.
ELEMENTS: TITLE, AUTHOR, ABSTRACT, DESCRIPTORS, KEYWORDS, ORGANIZATION,
PATENT NUMBER, LANGUAGE, (NOT ALL THE ELEMENTS ARE INCLUDED
IN EACH OF THE 5 TAPE FORMS ISSUED.)
FREQUENCY OF ISSUE: MONTHLY AND CUMULATIVE
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
LEASE: \$1,000 TO \$2,000 DEPENDING ON TAPE FORM SELECTED. REDUCED RATES
FOR MORE THAN ONE TAPE FORM. \$700 TO \$1,250 FOR IPC MEMBERS AND
ACADEMIC ORGANIZATIONS.

NAME OF DATA BASE: P.A.S.C.A.L, PASCAL
ORIGINATOR: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
KEYWORDS: SCIENCE, ENGINEERING, MEDICINE, TECHNOLOGY, PSYCHOLOGY,
PSYCHIATRY
TIME SPAN COVERED: FROM 01/--/72 TO PRESENT.
ADDRESS: CENTER DE DOCUMENTATION DU C.N.R.S., 26, RUE BOYER, 75971
PARIS CEDEX 20
PHONE: 636.62.94
CONTACT: L. MARLOT
ABSTRACT: A SERIES OF 50 DATA BASES COVERING BASIC AND APPLIED
SCIENCE, ENGINEERING AND TECHNOLOGY, MEDICINE, PSYCHOLOGY,
AND PSYCHIATRY.
ELEMENTS: TITLE, ADDRESS, ABSTRACT, KEYWORDS, CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 500,000
PURCHASE: NOT YET ESTABLISHED. CONTACT CNRS.
LEASE: NOT YET ESTABLISHED. CONTACT CNRS.

NAME OF DATA BASE: PATENT CONCORDANCE IN COMPUTER-READABLE FORM,
PATENT CONCORDANCE
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, CHEMICAL ENGINEERING, PATENTS
TIME SPAN COVERED: FROM 01/--/62 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL
SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: CORRELATES PATENTS ISSUED BY DIFFERENT COUNTRIES FOR THE
SAME BASIC INVENTION. ONCE THE FIRST ABSTRACT HAS BEEN
PUBLISHED IN CHEMICAL ABSTRACTS (CA), SUBSEQUENT PATENTS ON
THE SAME BASIC INVENTION ARE LINKED BY NUMBER AND ISSUING
COUNTRY TO THIS FIRST ABSTRACT NUMBER. DATA IN THE PATENT
CONCORDANCE INCLUDE PATENT NUMBERS, ISSUING COUNTRIES AND CA
ABSTRACT NUMBERS.
ELEMENTS: INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED FROM THE
MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: SEMI-ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 47,000 (ESTIMATED
FOR 1973)
LEASE: LEASED ON ANNUAL BASIS AT \$400.00/YEAR PLUS CHARGES FOR
MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: PATENT OFFICE MECHANIZED SEARCH SYSTEMS
ORIGINATOR: U.S. PATENT OFFICE, PATENT OFFICE
KEYWORDS: CHEMISTRY, ORGANOMETALLICS, COMPUTER SCIENCE, PATENTS
TIME SPAN COVERED: FROM 01/--/60 TO PRESENT.
ADDRESS: OFFICE OF PATENT CLASSIFICATION, WASHINGTON, D.C. 20231
PHONE: (703) 557-3785
CONTACT: ADMINISTRATOR
ABSTRACT: 3 FILES COVER PATENTS AND SOME ARTICLES IN THE FIELDS OF
STERIODS, ORGANOMETALLICS, AND DATA PROCESSING SYSTEMS. DATA
BASE DISTRIBUTED ONLY AS 80-COLUMN PUNCHED CARDS.
ELEMENTS: KEYWORDS, PATENT NUMBER, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: IRREGULAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 1,500
PURCHASE: SUBSCRIPTION - \$35 PER FILE PER YEAR.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE.

NAME OF DATA BASE: PESTDOC
ORIGINATOR: DERWENT PUBLICATIONS LTD., DERWENT PUBLICATIONS, DERWENT
KEYWORDS: PESTICIDES
TIME SPAN COVERED: FROM 07/--/68 TO PRESENT.
ADDRESS: ROCHDALE HOUSE, 128 THEOBALDS ROAD, LONDON WC1X 8RP
PHONE: 01-242-5823
CONTACT: DR. H. BIRNBAUM
ABSTRACT: COVERS ARTICLES ON PESTICIDES AND ALLIED DATA.
ELEMENTS: TITLE, AUTHOR, ADDRESS, KEYWORDS, SUBJECT HEADINGS, RING CODE
FREQUENCY OF ISSUE: 45 PER YEAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 9,000
PURCHASE: SUBSCRIPTION - \$3,425
LEASE: SUBSCRIPTION - \$3,425

NAME OF DATA BASE: PETROLEUM ABSTRACTS MASTER RECORD TAPES, PETROLEUM
ABSTRACTS
ORIGINATOR: UNIVERSITY OF TULSA
KEYWORDS: PETROLEUM, PATENTS
TIME SPAN COVERED: FROM 01/--/65 TO 07/--/72
ADDRESS: INFORMATION SERVICES DEPT., UNIVERSITY OF TULSA, 1133 N. LEWIS
AVE., TULSA, OKLAHOMA 74110
PHONE: (918) 939-6351
CONTACT: DR. H. O. MCLEOD
ABSTRACT: COVERS TECHNICAL LITERATURE AND PATENTS RELEVANT TO THE
EXPLORATION AND PRODUCTION OF OIL AND GAS.
ELEMENTS: TITLE, AUTHOR, KEYWORDS, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: EVERY 4 MONTHS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 16,000
PURCHASE: SUBSCRIPTIONS BASED ON ORGANIZATION'S ASSETS - \$2,000 -
\$20,000/YEAR.
LEASE: PURCHASE ONLY

NAME OF DATA BASE: POLYMER SCIENCE AND TECHNOLOGY, POLYMER SCIENCE,
POLYMER TECHNOLOGY
ORIGINATOR: CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY
KEYWORDS: CHEMISTRY, POLYMER SCIENCE, POLYMERS
TIME SPAN COVERED: FROM 11/--/67 TO PRESENT.
ADDRESS: CHEMICAL ABSTRACTS SERVICE DIVISION OF THE AMERICAN CHEMICAL
SOCIETY, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO 43210
PHONE: (614) 422-5022
CONTACT: MARKETING DEPARTMENT
ABSTRACT: ABSTRACTS THAT REPORT THE CURRENT SCIENTIFIC AND TECHNICAL
LITERATURE RELATED TO THE FIELD OF MACROMOLECULAR CHEMISTRY.
COVERAGE INCLUDES JOURNALS AND REPORTS PUBLISHED THROUGHOUT
THE WORLD, PLUS PATENTS FROM 26 COUNTRIES THAT DESCRIBE
RESEARCH, DEVELOPMENT, PRODUCTION, USES, EQUIPMENT, AND ALL
OTHER ASPECTS OF MACROMOLECULAR CHEMISTRY. DATA IN THIS FILE
INCLUDE NAMES AND AFFILIATIONS OF AUTHORS, PRIMARY JOURNAL
BIBLIOGRAPHIC CITATIONS, DOCUMENT TITLES AND FULL ABSTRACTS,
MOLECULAR FORMULAS, NAMES OF SUBSTANCES, CHEMICAL ABSTRACTS
SECTION NUMBERS AND CAS REGISTRY NUMBERS.
ELEMENTS: TOTAL INFORMATION REGARDING DATA ELEMENTS MAY BE OBTAINED
FROM THE MARKETING DEPARTMENT.
FREQUENCY OF ISSUE: BIWEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 36,000 (1973
ESTIMATE)
LEASE: LEASED ON ANNUAL BASIS AT \$2,500.00/YEAR PLUS CHARGES FOR
MAGNETIC TAPES AND POSTAGE.

NAME OF DATA BASE: PSYCHOLOGICAL ABSTRACTS, PA
ORIGINATOR: AMERICAN PSYCHOLOGICAL ASSOCIATION, APA
KEYWORDS: SOCIAL SCIENCE, PSYCHOLOGY, BEHAVIORAL SCIENCE
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: 1200 SEVENTEENTH STREET, N.W. WASHINGTON D.C. 20036
PHONE: (202) 833-7610
CONTACT: RICHARD P. CAPUTO
ABSTRACT: CONTAINS NON-EVALUATIVE SUMMARIES OF THE WORLD'S LITERATURE
IN PSYCHOLOGY AND RELATED DISCIPLINES. PROVIDES INFORMATIVE
ABSTRACTS (INCLUDING SUBJECT POPULATION, TESTS AND
MEASUREMENTS, VARIABLES AND PROCEDURE) WHERE POSSIBLE AND
INDICATIVE ABSTRACTS FOR DICURSIVE MATERIAL.
ELEMENTS: TITLE, AUTHOR, ADDRESS, ABSTRACT, CLASSIFICATION, KEYWORDS
FREQUENCY OF ISSUE: MONTHLY, QUARTERLY, SEMI-ANNUALLY, OR ANNUALLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 24,000
PURCHASE: LEASE ONLY
LEASE: MAY BE LEASED AS FOLLOWS: CURRENT YEAR - \$3,000.00, PREVIOUS
YEAR - \$2,000.00. AFTER FIRST YEAR ACQUISITION OF NEW CURRENT
YEAR AND RETENTION OF BACK FILES IS \$3,000.00/YEAR. WILL BE
LICENSED IN JANUARY 1974.

NAME OF DATA BASE: RESEARCH IN EDUCATION, RIE, ERIC
ORIGINATOR: NATIONAL INSTITUTE OF EDUCATION, NIE, EDUCATIONAL
RESOURCES INFORMATION CENTER, ERIC, ERIC PROCESSING AND
REFERENCE FACILITY
KEYWORDS: EDUCATION
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: ERIC PROCESSING AND REFERENCE FACILITY, 4833 RUGBY AVE.,
SUITE 303, BETHESDA, MARYLAND, 20014
PHONE: 301-656-9723
CONTACT: MR. W.T. BRANDHORST
ABSTRACT: RIE IS A MONTHLY ABSTRACT JOURNAL, ISSUED ALSO ON MAGNETIC
TAPE, ANNOUNCING REPORTS OF RESEARCH AND RESEARCH-RELATED
PROJECTS IN THE FIELD OF EDUCATION AND EDUCATION-RELATED
MATERIALS. CIJE, CURRENT INDEX TO JOURNALS IN EDUCATION, IS
ALSO ISSUED BY NIE
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, KEYWORDS, ABSTRACT
FREQUENCY OF ISSUE: MONTHLY, QUARTERLY AND ANNUAL OPTIONS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000 REPORTS
PURCHASE: \$80 PER TAPE REEL

NAME OF DATA BASE: RINGDOC
ORIGINATOR: DERWENT PUBLICATIONS LTD., DERWENT PUBLICATIONS, DERWENT
KEYWORDS: MEDICINE, PHARMACOLOGY, CHEMISTRY
TIME SPAN COVERED: FROM 07/--/64 TO PRESENT.
ADDRESS: ROCHDALE HOUSE, 128 THEOBALDS ROAD, LONDON WC1X 8RP
PHONE: 01-242-5823
CONTACT: DR. H. BIRNBAUM
ABSTRACT: COVERS ARTICLES CONTAINING CHEMICO-MEDICAL AND
PHARMACEUTICAL DATA.
ELEMENTS: TITLE, AUTHOR, ADDRESS, KEYWORDS, SUBJECT HEADINGS, RING CODE
FREQUENCY OF ISSUE: 40 PER YEAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 40,000
PURCHASE: SUBSCRIPTION -\$11,750
LEASE: SUBSCRIPTION -\$11,750

NAME OF DATA BASE: ROCK MECHANICS INFORMATION SERVICES, ROCK MECHANICS
ORIGINATOR: IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY
KEYWORDS: ENGINEERING, GEOLOGY
TIME SPAN COVERED: FROM 01/--/68 TO PRESENT.
ADDRESS: ROCK MECHANICS INFORMATION SERVICES, IMPERIAL COLLEGE OF
SCIENCE AND TECHNOLOGY, ROYAL SCHOOL OF MINES, LONDON, S.W.7
CONTACT: MRS. A. GRALEWSKA-VICKERY
ABSTRACT: COVERS MATERIAL ON ROCK MECHANICS, WHICH INCLUDES RELEVANT
SECTIONS OF GEOLOGY, GEOPHYSICS, MINING, CIVIL ENGINEERING,
SOIL MECHANICS, AND FRACTURE MECHANICS.
ELEMENTS: TITLE, SUBJECT HEADINGS, CLASSIFICATION
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,000
PURCHASE: \$1,000/YEAR.
LEASE: PURCHASE ONLY

NAME OF DATA BASE: S.A.B.I.R., SABIR
ORIGINATOR: INSTITUT GUSTAVE-ROUSSY
KEYWORDS: MEDICINE, CANCER, VIROLOGY, IMMUNOLOGY, RADIOBIOLOGY
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: 16 BIS AVENUE P.V.COUTURIER, 94800 VILLEJUIF, FRANCE
PHONE: 726 49.09
CONTACT: M. WOLFF-TERROINE
ABSTRACT: DATA BASE ON CANCER AND RELATED VIROLOGY, IMMUNOLOGY, AND
RADIOBIOLOGY. THE TARGET USER COMMUNITY IS ALL THE PEOPLE
WORKING IN THE FIELD OF CLINICAL CANCER OR IN FUNDAMENTAL
RESEARCH RELATED TO CANCER
ELEMENTS: TITLE, ABSTRACT, ORGANIZATION, DESCRIPTORS, KEYWORDS,
CLASSIFICATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 20,000
PURCHASE: \$1,000/YEAR. ONLY FOR PERSONAL USE, NOT FOR REDISTRIBUTION

NAME OF DATA BASE: SEARCHABLE PHYSICS INFORMATION NOTICES, SPIN
ORIGINATOR: AMERICAN INSTITUTE OF PHYSICS, AIP
KEYWORDS: ENGINEERING, PHYSICS, ASTRONOMY
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: PHYSICS INFORMATION DIV., 335 E. 45 ST. NEW YORK, N.Y. 10017
PHONE: NOT INDICATED
CONTACT: DR. RITA G. LERNER
ABSTRACT: RECORDS OF OVER ONE HALF THE WORLD'S PHYSICS AND ASTRONOMY
JOURNAL LITERATURE. THIS INCLUDES ALL JOURNAL ARTICLES
PUBLISHED BY THE AMERICAN INSTITUTE OF PHYSICS AS WELL AS
OTHER LEADING PHYSICS AND ASTRONOMY JOURNALS.
ELEMENTS: TITLE, AUTHOR, ADDRESS, CLASSIFICATION, ABSTRACT
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 30,000
PURCHASE: MAY BE LEASED OR LICENSED ONLY
LEASE: LEASE FEE \$2,500 FOR IN HOUSE USE. LICENSE FOR EXTERNAL
SERVICES, \$2,500 PLUS ROYALTIES.

NAME OF DATA BASE: SOCIAL SCIENCE CITATION INDEX DATA BASE, SOCIAL
SCIENCE CITATION INDEX
ORIGINATOR: INSTITUTE FOR SCIENTIFIC INFORMATION, ISI
KEYWORDS: SCIENCE, SOCIAL SCIENCE, HISTORY, EDUCATION,
MULTIDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/73 TO PRESENT.
ADDRESS: 325 CHESTNUT ST. PHILADELPHIA, PA. 19106
PHONE: (215) 923-3300
CONTACT: MELVIN WEINSTOCK
ABSTRACT: ARTICLES COVERING THE FIELDS OF ANTHROPOLOGY, COMMUNITY
HEALTH, DEMOGRAPHY, ECONOMICS, EDUCATIONAL RESEARCH, ETHNIC
GROUP STUDIES, GEOGRAPHY, HISTORY, LAW, LINGUISTICS,
MANAGEMENT, MARKETING, POLITICAL SCIENCE, PSYCHIATRY,
SOCIOLOGY, STATISTICS, URBAN PLANNING & DEVELOPMENT.
ELEMENTS: TITLE, AUTHOR, ADDRESS, BIBLIOGRAPHIC CITATION, LANGUAGE,
CITATIONS
FREQUENCY OF ISSUE: WEEKLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 75,000
PURCHASE: NOT SPECIFIED WHETHER LEASE OR PURCHASE. SEE PRICES UNDER
LEASE.
LEASE: PROJECTED RATES: \$4,000 FOR SOURCE DATA, \$6,000 FOR CITATION
DATA, \$10,000 FOR COMPLETE DATA BASE.

NAME OF DATA BASE: SOCIOLOGICAL ABSTRACTS, SOCAB
ORIGINATOR: SOCIOLOGICAL ABSTRACTS
KEYWORDS: SOCIAL SCIENCE, SOCIOLOGY
TIME SPAN COVERED: FROM 01/--/65 TO PRESENT.
ADDRESS: 73 8TH AVE., BROOKLYN, NEW YORK 11215
PHONE: (212) 638-2872
CONTACT: LEO CHALL
ABSTRACT: COVERS ARTICLES AND PAPERS ON SOCIOLOGY.
ELEMENTS: TITLE, KEYWORDS, SUBJECT HEADINGS, CLASSIFICATION
FREQUENCY OF ISSUE: NOT INDICATED
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: TO BE NEGOTIATED
LEASE: TO BE NEGOTIATED

NAME OF DATA BASE: SPECIALIZED TEXTILE INFORMATION SERVICE.
ORIGINATOR: SHIRLEY INSTITUTE
KEYWORDS: TEXTILES, PATENTS
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: MANCHESTER M20 8RX, ENGLAND
CONTACT: R. J. E. CUMBERBIRCH
ABSTRACT: ALL LITERATURE ON THE SCIENCE AND TECHNOLOGY OF TEXTILES
PLUS ALL RELEVANT UK AND US PATENT LITERATURE (SEE THE
PERIODICAL : WORLD TEXTILE ABSTRACTS FOR THE LITERATURE
COVERED).
ELEMENTS: TITLE, AUTHOR, KEYWORDS
FREQUENCY OF ISSUE: UP TO TWICE MONTHLY.
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 8,000
PURCHASE: LICENSE ONLY
LEASE: SUBSCRIPTION (LICENSE) : \$960/YEAR PLUS CHARGES FOR MAGNETIC
TAPES AND POSTAGE.

NAME OF DATA BASE: SYSTEM 50 - STATE STATUTE FILE, SYSTEM 50, STATE
STATUTE FILE, STATE STATUTES
ORIGINATOR: ASPEN SYSTEMS CORPORATION, ASPEN SYSTEMS
KEYWORDS: LAW
TIME SPAN COVERED: FROM 01/--/00 TO 12/--/72
ADDRESS: 4615 FORBES AVE., PITTSBURGH, PENNSYLVANIA 15213
CONTACT: L.H.BERUL OR R.W.ZIEGLER
ABSTRACT: STATUTE FILES OF 50 STATES IN FULL TEXT SEARCHABLE FORM (NOT
ALL STATES CURRENT). CONTAINS ONE BILLION CHARACTERS OF
DATA.
ELEMENTS: TITLE, CLASSIFICATION, ADDRESS, ABSTRACT, ANNOTATION
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,500
PURCHASE: NEGOTIABLE
LEASE: NEGOTIABLE

NAME OF DATA BASE: STATUTES-IN-POINT, STATUTES IN POINT, STATUTES
ORIGINATOR: ASPEN SYSTEMS CORPORATION, ASPEN SYSTEMS
KEYWORDS: LAW
TIME SPAN COVERED: FROM 01/--/67 TO 12/--/72
ADDRESS: 4615 FORBES AVE., PITTSBURGH, PENNSYLVANIA 15213
CONTACT: L.H.BERUL OR R.W.ZIEGLER
ABSTRACT: COVERS RECENT STATE AND FEDERAL ENACTMENTS FROM ALL 50
STATES AND U.S. CODE.
ELEMENTS: TITLE, CLASSIFICATION, ANNOTATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,500
PURCHASE: NEGOTIABLE
LEASE: NEGOTIABLE

NAME OF DATA BASE: TEXTILE TECHNOLOGY DIGEST KEYTERM INDEX, TEXTILE
TECHNOLOGY DIGEST
ORIGINATOR: INSTITUTE OF TEXTILE TECHNOLOGY
KEYWORDS: TEXTILES, PATENTS
TIME SPAN COVERED: FROM 01/--/66 TO PRESENT.
ADDRESS: P. O. BOX 391, CHARLOTTESVILLE, VA. 22902
PHONE: (703) 296-5511
CONTACT: DENNIS C. LOY, EDITOR TTD
ABSTRACT: COVERS ARTICLES, PATENTS, AND REPORTS ON TEXTILES AND
RELATED AREAS: APPAREL, MILL MANAGEMENT, POLLUTION, TESTING
AND MEASUREMENT, INDUSTRIAL FABRIC PRODUCTS, ETC.
ELEMENTS: KEYWORDS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: \$900.00/YEAR
LEASE: PURCHASE ONLY.

NAME OF DATA BASE: THE PHILOSOPHER'S INDEX
ORIGINATOR: PHILOSOPHY DOCUMENTATION CENTER OF BOWLING GREEN STATE
UNIVERSITY
KEYWORDS: SOCIAL SCIENCE, PHILOSOPHY
TIME SPAN COVERED: FROM 01/--/67 TO PRESENT.
ADDRESS: BOWLING GREEN STATE UNIVERSITY, BOWLING GREEN, OHIO 43403
PHONE: (419) 372-2419
CONTACT: RICHARD H. LINEBACK, DIRECTOR
ABSTRACT: BIBLIOGRAPHIC INFORMATION INCLUDING ABSTRACTS, ON PHILOSOPHY
ARTICLES PUBLISHED IN PHILOSOPHY JOURNALS.
ELEMENTS: TITLE, ABSTRACT, KEYWORDS
FREQUENCY OF ISSUE: ANNUAL
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 2,500
PURCHASE: UNDETERMINED AT PRESENT.
LEASE: UNDETERMINED AT PRESENT.

NAME OF DATA BASE: TITUS
ORIGINATOR: INSTITUT TEXTILE DE FRANCE, ITF
KEYWORDS: TEXTILES
TIME SPAN COVERED: FROM 01/--/69 TO PRESENT.
ADDRESS: 35, RUE DES ABONDANCES - 92100, BOULOGNE SUR SEINE, FRANCE
PHONE: 825 18 90
CONTACT: J. M. DUCROT
ABSTRACT: SCIENTIFIC AND TECHNICAL INFORMATION IN THE TEXTILE FIELD
FOR INDUSTRY AND RESEARCH. MOST OF THE SOURCE ITEMS ARE IN
FRENCH
ELEMENTS: TITLE, ABSTRACT, ORIGINATING ORGANIZATION, KEYWORDS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 30,000
PURCHASE: \$.25 PER DOCUMENT, ABOUT \$7,500 ANNUAL SUBSCRIPTION TO
MAGNETIC TAPE
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE

NAME OF DATA BASE: TOXICOLOGY INFORMATION CONVERSATION ON-LINE
NETWORK, TOXICON
ORIGINATOR: TOXICOLOGY INFORMATION PROGRAM, TIP, NATIONAL LIBRARY OF
MEDICINE, NLM
KEYWORDS: HEALTH, MEDICINE, TOXICOLOGY, PHARMACOLOGY
TIME SPAN COVERED: FROM 01/--/30 TO PRESENT.
ADDRESS: NATIONAL LIBRARY OF MEDICINE, 8600 ROCKVILLE PIKE, BETHESDA,
MD. 20014
PHONE: (301) 496-1131
CONTACT: MR. J. R. HARCHARIK, INFORMATICS
ABSTRACT: PUBLISHED HUMAN AND ANIMAL TOXICITY STUDIES, ADVERSE DRUG
REACTIONS, POISONING CASES, EFFECTS OF ENVIRONMENTAL
CHEMICALS OR POLLUTANTS, AND ANALYTICAL METHODOLOGY. MOST
CITATIONS ANNOTATED WITH ABSTRACTS WHICH ARE FREE TEXT
SEARCHABLE. CITATION ACQUISITION PRINCIPALLY FROM SECONDARY
REFERENCE SERVICES INCLUDING HEALTH ASPECTS OF PESTICIDES
ABSTRACT BULLETIN, CHEMICAL BIOLOGICAL ACTIVITIES (CBAC),
INTERNATIONAL PHARMACEUTICAL ABSTRACTS, ABSTRACTS ON HEALTH
EFFECTS OF ENVIRONMENTAL POLLUTANTS (HEEP) AND TOXICITY
BIBLIOGRAPHY.
ELEMENTS: TITLE, ADDRESS, ABSTRACT, KEYWORDS, CAS REGISTRY NUMBERS
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 50,000
PURCHASE: LEASE ONLY.
LEASE: INITIAL FEE OF \$350 FOR TRAINING AND MANUALS, \$45 PER CONNECT
HOUR TO THE SYSTEM AND \$5 PER 1000 LINES OF PRINT OFF-LINE.

NAME OF DATA BASE: TRANSDEX
ORIGINATOR: CCM INFORMATION CORPORATION, CCM
KEYWORDS: SCIENCE, SOCIAL SCIENCE
TIME SPAN COVERED: FROM 01/--/70 TO PRESENT.
ADDRESS: 866 THIRD AVENUE NEW YORK, N.Y. 10022
PHONE: (212) 935-4296
CONTACT: BILL J. FUNDERBURK, DIR.
ABSTRACT: TRANSDEX IS A BIBLIOGRAPHIC REFERENCE FILE TO ALL THE
TRANSLATIONS OF THE UNITED STATES JOINT PUBLICATIONS
RESEARCH SERVICE (JPRS). IT COVERS 100,000 ARTICLES
TRANSLATED FROM THE COMMUNIST AND SO-CALLED UNDERDEVELOPED
WORLD. ALL MATERIAL TRANSLATED BY THE U.S. JOINT
PUBLICATIONS RESEARCH SERVICE. JPRS TRANSLATIONS ARE
AVAILABLE ON FILM AND MICROFICHE.
ELEMENTS: TITLE, AUTHOR, SUBJECT HEADINGS
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 30,000
PURCHASE: \$2,000, SUBSCRIPTION
LEASE: \$2,000, SUBSCRIPTION

NAME OF DATA BASE: UNION CATALOG OF MEDICAL PERIODICALS, UNION CATALOG
ORIGINATOR: MEDICAL LIBRARY CENTER OF NEW YORK
KEYWORDS: MEDICINE, HEALTH
TIME SPAN COVERED: FROM 01/--/00 TO PRESENT.
ADDRESS: 17 E 102 STREET, NEW YORK, N.Y. 10029
PHONE: (212) 427-1630
CONTACT: MRS. JAQUELINE W. FELTER, DIRECTOR
ABSTRACT: TITLES AND BIBLIOGRAPHIC DATA OF 42,000 PERIODICALS AND
SERIAL PUBLICATIONS PERTINENT TO THE HEALTH SCIENCES.
ELEMENTS: TITLE, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: ON DEMAND
PURCHASE: \$750. \$1,000 FOR TOTAL DATA BASE.
LEASE: NOT INDICATED WHETHER LEASE OR PURCHASE. SEE PURCHASE.

NAME OF DATA BASE: UNIVERSITY OF CALIFORNIA UNION CATALOG SUPPLEMENT
(1963-1967)
ORIGINATOR: UNIVERSITY OF CALIFORNIA LIBRARIES
KEYWORDS: LIBRARIES, INTERDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/63 TO 12/--/67
ADDRESS: INSTITUTE OF LIBRARY RESEARCH, SOUTH HALL ANNEX, UNIVERSITY
OF CALIFORNIA, BERKELEY, CALIFORNIA 94720
PHONE: (415) 642-5802
CONTACT: ALLAN HUMPHREY
ABSTRACT: FILE INCLUDES CATALOG RECORDS OF ALL MONOGRAMS PROCESSED BY
THE CATALOGING DEPARTMENTS OF ALL UNIVERSITY OF CALIFORNIA
CAMPUSES FROM 1963 THROUGH 1967. INCLUDES SUBJECT MATTER IN
VIRTUALLY EVERY SUBJECT AREA COVERED IN LARGE RESEARCH
LIBRARIES.
ELEMENTS: TITLE, AUTHOR, CORPORATE AUTHOR, SUBJECT HEADINGS
FREQUENCY OF ISSUE: ONCE EVERY 5 YEARS.
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 250,000
PURCHASE: CONTACT THE UNIVERSITY OF CALIFORNIA FOR INFORMATION.
LEASE: CONTACT THE UNIVERSITY OF CALIFORNIA FOR INFORMATION.

NAME OF DATA BASE: VETDOC
ORIGINATOR: DERWENT PUBLICATIONS LTD., DERWENT PUBLICATIONS, DERWENT
KEYWORDS: ANIMAL MEDICINE, VETERINARY MEDICINE
TIME SPAN COVERED: FROM 01/--/68 TO PRESENT.
ADDRESS: ROCHDALE HOUSE, 128 THEOBALDS ROAD, LONDON WC1X 8RP
PHONE: 01-242-5823
CONTACT: DR. H. BIRNBAUM
ABSTRACT: COVERS ARTICLES CONTAINING VETERINARY DATA.
ELEMENTS: TITLE, AUTHOR, ADDRESS, KEYWORDS, SUBJECT HEADINGS, RING CODE
FREQUENCY OF ISSUE: 25 PER YEAR
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 5,000
PURCHASE: SUBSCRIPTION - \$2,275
LEASE: SUBSCRIPTION - \$2,275

NAME OF DATA BASE: WOOD
ORIGINATOR: ROYAL INSTITUTE OF TECHNOLOGY, RIT
KEYWORDS: INDUSTRY, ENGINEERING, AGRICULTURE
TIME SPAN COVERED: FROM 11/--/70 TO PRESENT.
ADDRESS: ROYAL INSTITUTE OF TECHNOLOGY, LIBRARY, 100 44 STOCKHOLM 70
SWEDEN
PHONE: 08 236520
CONTACT: DR. BJORN TELL
ABSTRACT: COVERS ARTICLES ON WOOD TECHNOLOGY, WOOD PRODUCTS, AND
EQUIPMENT FOR FOREST AND WOODWORKING INDUSTRY.
ELEMENTS: TITLE, AUTHOR, BIBLIOGRAPHIC CITATION
FREQUENCY OF ISSUE: MONTHLY
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 12,000
PURCHASE: OPEN FOR NEGOTIATIONS.
LEASE: OPEN FOR NEGOTIATIONS.

NAME OF DATA BASE: XEROX BIBLIOGRAPHICS DATA BASE
ORIGINATOR: XEROX BIBLIOGRAPHICS
KEYWORDS: LIBRARIES, INTERDISCIPLINARY
TIME SPAN COVERED: FROM 01/--/19 TO PRESENT.
ADDRESS: 2500 SCHUSTER DRIVE, CHEVERLY, MD. 20781
CONTACT: B. WAYNE CALTRIDER
ABSTRACT: SELECTED CATALOGING REPRESENTING HOLDINGS OF BOOK CATALOG
USERS.
ELEMENTS: TITLE, AUTHOR, SUBJECT HEADINGS, CLASSIFICATION, LC CARD NUMBER
FREQUENCY OF ISSUE: VARIES
AVERAGE NUMBER OF SOURCE ITEMS INCLUDED EACH YEAR: 65,000
PURCHASE: HANDLED ON INDIVIDUAL BASIS.
LEASE: HANDLED IN INDIVIDUAL BASIS.

6.2 SERVICES

Interactive Retrospective Services (IR)

NAME: BASIS-70, BASIS 70, BATTELLE AUTOMATED SEARCH INFORMATION
SYSTEM, BASIS
SOFTWARE: BASIS
ORIGINATOR: BATTELLE MEMORIAL INSTITUTE
ADDRESS: 505 KING AVENUE, COLUMBUS, OHIO, 43201
PHONE: 614-299-3151
CONTACT: JOHN MURDOCK
ABSTRACT: THE INTERACTIVE SEARCH SERVICE IS AVAILABLE THROUGH
MEMBERSHIP IN SCIENCE INFORMATION ASSOCIATION (SIA).

NAME: DATA CENTRAL, MEAD DATA CENTRAL
SOFTWARE: DATA CENTRAL
ORIGINATOR: MEAD TECHNOLOGY LABORATORIES
ADDRESS: 1611 NORTH KENT STREET, ARLINGTON, VA. 22209
PHONE: (703) 525-2674
CONTACT: RICHARD GIERING
ABSTRACT: DATA CENTRAL IS A FULL-TEXT SYSTEM. THE COST OF SEARCH
SERVICE IS \$5,000 A MONTH.

NAME: LOCKHEED INFORMATION SERVICES, DIALOG
SOFTWARE: DIALOG
ORIGINATOR: LOCKHEED INFORMATION SCIENCES, LOCKHEED
ADDRESS: 3251 HANOVER STREET, PALO ALTO, CALIFORNIA, 94304
PHONE: (415) 493-4411, X45034
CONTACT: DR. ROGER SUMMIT
ABSTRACT: THE INTERACTIVE RETRIEVAL SYSTEM CAN USE A VARIETY OF
TERMINALS AND COMMUNICATIONS TO ACCESS THE LOCKHEED COMPUTER
CENTER: ANY TELETYPE-COMPATIBLE, DIAL-UP TERMINAL FROM 10 TO
120 CHARACTERS PER SECOND, AS WELL AS CERTAIN HIGH-SPEED CRT
TERMINALS UP TO 480 CPS. SEVERAL FORMS OF COMMUNICATION ARE
AVAILABLE, INCLUDING THE TYMSHARE NATIONAL COMMUNICATIONS
NETWORK WITH LOCAL NUMBER ACCESS IN OVER 40 CITIES,
LOCKHEED'S OWN HIGH-SPEED NETWORK, OR ANY VOICE- GRADE
TELEPHONE LINE. SEARCH CHARGES ARE \$25 PER TERMINAL HOUR FOR
ERIC AND NAL/CAIN, \$35 FOR NTIS AND PANDEX, AND \$50 FOR
PSYCHOLOGICAL ABSTRACT.

NAME: LEADERMART
SOFTWARE: LEADER, LEADERMART
ORIGINATOR: MART LIBRARY, LEHIGH UNIVERSITY
ADDRESS: LEHIGH UNIVERSITY, CENTER FOR INFORMATION SCIENCE, BETHLEHEM,
PENNSYLVANIA 18015
PHONE: (215) 691-7100, X 631
CONTACT: DONALD J. HILLMAN, DIRECTOR
ABSTRACT: INTERACTIVE RETROSPECTIVE SEARCH SERVICE IS AVAILABLE BUT
COVERING AT MOST 24 RECENT MONTHS OF RECURRING DATA BASES.
THE QUERY LANGUAGE IS IN NATURAL ENGLISH. IT COSTS \$55.00
PER CONNECT HOUR (\$45.00 FOR GOVERNMENT AND UNIVERSITIES).

NAME: MASTER CONTROL
SOFTWARE: MASTER CONTROL VERSION 3
ORIGINATOR: LAWRENCE LIVERMORE LABORATORY, INFORMATION RESEARCH GROUP
ADDRESS: UNIVERSITY OF CALIFORNIA, P.O. BOX 808, LIVERMORE, CALIFORNIA
94550
PHONE: (415) 447-1100, X3132
CONTACT: VIKTOR HAMPEL
ABSTRACT: MASTER CONTROL SYSTEM AT LAWRENCE LIVERMORE LABORATORY
OFFERS INTERACTIVE SEARCH SERVICE ON 35 MAJOR DATA BASES,
INCLUDING NUCLEAR SCIENCE ABSTRACTS, CHEMICAL TITLES, AND
ENGINEERING INDEX. THE COST OF SEARCH SERVICE IS AVAILALE ON
REQUEST.

NAME: RECON, RECON/STIMS, JURIS, ENVIRON, TOXICON
SOFTWARE: RECON/STIMS
ORIGINATOR: NASA, SCIENCE & TECHNICAL INFORMATION DIVISION
ADDRESS: NASA, WASHINGTON, D.C. 20230
PHONE: (301) 755-3465
CONTACT: VAN WENTE
ABSTRACT: THE RECON SYSTEM IS TECHNICALLY THE SAME AS LOCKHEED'S
DIALOG SYSTEM. IT PROVIDES INTERACTIVE SEARCH SERVICE TO
SEVERAL DATA BASES INCLUDING CBAC, TOXICON, JURIS, STAR,
IAA, AND NLM.

NAME: ORBIT, ORBIT III, SDC, SYSTEM DEVELOPMENT CORP.
SOFTWARE: ORBIT III
ORIGINATOR: SYSTEM DEVELOPMENT CORP.
ADDRESS: 2500 COLORADO AVE., SANTA MONICA, CALIFORNIA, 90406
PHONE: (213) 393-9411
CONTACT: CARLOS A. CUADRA
ABSTRACT: THE INTERACTIVE SEARCH SERVICE COST \$22 TO \$35 PER HOUR.
DATA BASES INCLUDES ERIC, MEDLINE, CA-C, AND CAIN.

NAME: SPIRES, STANFORD PUBLIC INFORMATION RETRIEVAL SYSTEM, BALLOTS,
BIBLIOGRAPHIC AUTOMATION OF LARGE LIBRARIES USING A TIME SHARING
SYSTEM
SOFTWARE: SPIRES, STANFORD PUBLIC INFORMATION RETRIEVAL SYSTEM, SPIRES
II
ORIGINATOR: STANFORD UNIVERSITY, INSTITUTE FOR COMMUNICATION RESEARCH
ADDRESS: CYPRESS HALL, STANFORD UNIVERSITY, STANFORD, CALIFORNIA 94305
PHONE: (415) 321-2300 X2755
CONTACT: RON JAMTGAARD, DIRECTOR
ABSTRACT: INTERACTIVE SEARCH AVAILABLE AND THE FILE DEFINITION IS ALSO
ON-LINE. THIS DATA BASE IS BUILD WITH THE SPIRES II SYSTEM.
THE SYSTEM CONTAINS TUTORIAL FEATURES AND IS VERY EASY TO
USE.

NAME: CIS, CENTER FOR INFORMATION SERVICES, UCLA CAMPUS COMPUTING
NETWORK
SOFTWARE: INFORMATION PRCESSING SYSTEM, IPS, TEXT-PAC, TEXTPAC
ORIGINATOR: UCLA, CAMPUS COMPUTING NETWORK, UNIVERSITY LIBRARY AND
INSTITUTE OF LIBRARY RESEARCH
ADDRESS: UCLA, LOS ANGELES, CALIFORNIA, 90024
PHONE: (213) 825-7511
CONTACT: WILLIAM B. KEHL, DIRECTOR
ABSTRACT: INTERACTIVE RETRIEVAL CAPABILITIES ARE AVAILABLE UNDER TSO
(IBM'S TIME-SHARING OPTION). THE INTERACTIVE SYSTEM IS
ACCESSED THROUGH THE UCLA CAMPUS COMPUTING NETWORK'S
FACILITIES.

Batch Retrospective Services (BR)

NAME: UNIVERSITY OF GEORGIA, UGA TEXT SEARCH, UNIVERSITY OF GEORGIA
COMPUTER CENTER
SOFTWARE: UGA TEXT SEARCH SYSTEM
ORIGINATOR: UNIVERSITY OF GEORGIA, UNIVERSITY OF GEORGIA COMPUTER
CENTER
ADDRESS: ATHENS, GEORGIA, 30601
PHONE: (404) 542-3106
CONTACT: DR. JAMES CARMON
ABSTRACT: BATCH RETROSPECTIVE SEARCH SERVICE IS AVAILABLE AND THE COST
IS FREE TO UNIVERSITY OF GEORGIA PERSONNEL. HOWEVER SEARCHES
FOR OTHERS ARE PRICED ON A COST-RECOVERY BASIS.

NAME: LEADERMART
SOFTWARE: LEADER, LEADERMART
ORIGINATOR: MART LIBRARY, LEHIGH UNIVERSITY
ADDRESS: LEHIGH UNIVERSITY, CENTER FOR INFORMATON SCIENCE, BETHLEHEM,
PENNSYLVANIA 18015
PHONE: (215) 691-7100, X 631
CONTACT: DONALD J. HILLMAN, DIRECTOR
ABSTRACT: BATCH RETROSPECTIVE SERACH SERVICE IS AVAILABLE BUT THE
FURTHEST BACK ANY DATA BASE GOES IS 1970. THE RESPONSE TIME
IS MAXIMUM TWO WEEKS.

NAME: CBIS, CAMPUS-BASED INFORMATION SYSTEM, UNIVERSITY OF PITTSBURGH,
KASC, KNOWLEDGE AVAILABILITY SYSTEMS CENTER
SOFTWARE: PIRATES, PITTSBURGH INFORMATON RETRIEVAL AND TEXT SEARCH
ORIGINATOR: UNIVERSITY OF PITTSBURGH
ADDRESS: LIBRARY AND INFORMATION SCIENCE BUILDING, 135 NORTH
BELLEFIELD, PITTSBURGH, PENNSYLVANIA, 15213
PHONE: (412) 621-3500, X6352
CONTACT: ALLEN KENT, DIRECTOR
ABSTRACT: BATCH RETROSPECTIVE SEARCH AVAILABLE. THE QUERY FORMATION
MAY BE DONE ON-LINE OR THROUGH KASC ASSISTANCE.

NAME: CIS, CENTER FOR INFORMATION SERVICES, UCLA CAMPUS COMPUTING
NETWORK
SOFTWARE: INFORMATION PRCESSING SYSTEM, IPS, TEXT-PAC, TEXT-PAC
ORIGINATOR: UCLA, CAMPUS COMPUTING NETWORK, UNIVERSITY LIBRARY AND
INSTITUTE OF LIBRARY RESEARCH
ADDRESS: UCLA, LOS ANGELES, CALIFORNIA, 90024
PHONE: (213) 825-7511
CONTACT: WILLIAM B. KEHL, DIRECTOR
ABSTRACT: BATCH RETRIEVAL SERVICE IS OPERATING UNDER THE PROTOTYPE
OPERATION OF IPS.

Current Awareness Services (CA)

NAME: UNIVERSITY OF GEORGIA, UGA TEXT SEARCH, UNIVERSITY OF GEORGIA
COMPUTER CENTER
SOFTWARE: UGA TEXT SEARCH SYSTEM
ORIGINATOR: UNIVERSITY OF GEORGIA, UNIVERSITY OF GEORGIA COMPUTER
CENTER
ADDRESS: ATHENS, GEORGIA, 30601
PHONE: (404) 542-3106
CONTACT: DR. JAMES CARMON
ABSTRACT: CURRENT AWARENESS SERVICE IS AVAILABLE FREE TO THE
UNIVERSITY OF GEORGIA PERSONNEL. HOWEVER FOR OTHERS PRICES
ARE ESTABLISHED ON A PER-PROFILE PER-ISSUE OF THE DATA BASE.

NAME: LEADERMART
SOFTWARE: LEADER, LEADERMART
ORIGINATOR: MART LIBRARY, LEHIGH UNIVERSITY
ADDRESS: LEHIGH UNIVERSITY, CENTER FOR INFORMATION SCIENCE, BETHLEHEM,
PENNSYLVANIA 18015
PHONE: (215) 691-7100, X 631
CONTACT: DONALD J. HILLMAN, DIRECTOR
ABSTRACT: CURRENT AWARENESS SERVICES ARE AVAILABLE FOR \$15.00 PER
MONTH PER PROFILE, REGARDLESS OF DATA BASE. PROFILE
DEFINITION ASSISTANCE IS AVAILABLE FROM INFORMATION
SPECIALISTS IN THE MART LIBRARY.

NAME: MECHANIZED INFORMATION SYSTEM, MIC, OHIO STATE UNIVERSITY
SOFTWARE: MIC, MECHANIZED INFORMATION SYSTEM, TIDE, TECHNICAL
INFORMATION DISSEMINATION BUREAU, MIC SEARCH
ORIGINATOR: THE OHIO STATE UNIVERSITY, DEPARTMENT OF COMPUTER AND
INFORMATION SCIENCE
ADDRESS: OHIO STATE UNIVERSITY, COLUMBUS, OHIO, 43212
PHONE: (614) 422-3480
CONTACT: GERALD LAZORICK, ASSOCIATE PROFESSOR
ABSTRACT: CURRENT AWARENESS SERVICE IS AVAILABLE. THE PROFILES ARE
DEFINED BY THE USER WITH THE ASSISTANCE OF AN INFORMATION
SPECIALIST OF MIC. THE CURRENT AWARENESS SEARCHES ARE RUN
EVERY TWO WEEKS. SERVICES ARE FREE TO THE UNIVERSITY USER,
BUT THERE IS A CHARGE TO NON-UNIVERSITY USERS OF \$300 PER
PROFILE PER YEAR. BATCH RETROSPECTIVE SEARCH SERVICE WILL
ALSO BE AVAILABLE AS SOON AS SOFTWARE IS COMPLETED. NOTE
THAT THE OHIO STATE'S CURRENT AWARENESS SERVICE UTILIZES AN
INTEGRATED DISCIPLINE-CROSSING DATA BASE. FOUR MAJOR DATA
BASES, PANDEX, ISI SOURCE TAPES, NTIS, AND MARC HAVE BEEN
MERGED WITH DUPLICATES ELIMINATED. CHEMICAL TITLES IS NOT
MERGED INTO THE MULTIDISCIPLINARY DATA BANK.

NAME: CBIS, CAMPUS-BASED INFORMATION SYSTEM, UNIVERSITY OF PITTSBURGH,
KASC, KNOWLEDGE AVAILABILITY SYSTEMS CENTER
SOFTWARE: PIRATES, PITTSBURGH INFORMATION RETRIEVAL AND TEXT SEARCH
ORIGINATOR: UNIVERSITY OF PITTSBURGH
ADDRESS: LIBRARY AND INFORMATION SCIENCE BUILDING, 135 NORTH
BELLEFIELD, PITTSBURGH, PENNSYLVANIA, 15213
PHONE: (412) 621-3500, X6352
CONTACT: ALLEN KENT, DIRECTOR
ABSTRACT: CURRENT AWARENESS SERVICE IS AVAILABLE. THE PROFILE
DEFINITION IS ON-LINE BY USER OR THROUGH KASC ASSISTANCE FOR
OFF-LINE INPUT. THERE ARE ALSO CUSTOM PROFILES AVAILABLE.

NAME: CIS, CENTER FOR INFORMATION SERVICES, UCLA CAMPUS COMPUTING
NETWORK
SOFTWARE: INFORMATION PROCESSING SYSTEM, IPS, TEXT-PAC, TEXT-PAC
ORIGINATOR: UCLA, CAMPUS COMPUTING NETWORK, UNIVERSITY LIBRARY AND
INSTITUTE OF LIBRARY RESEARCH
ADDRESS: UCLA, LOS ANGELES, CALIFORNIA, 90024
PHONE: (213) 825-7511
CONTACT: WILLIAM B. KEHL, DIRECTOR
ABSTRACT: UCLA OFFERS CURRENT AWARENESS SERVICE USING AN INTERIM
SOFTWARE, IBM'S TEXT-PAC. PROFILES ARE DEFINED BY THE
REFERENCE LIBRARIANS AND THE SERVICE IS FREE TO THE
UNIVERSITY USERS.

6.3 CROSS INDEX

Names*	IR	BR	CA
Biological Abstracts Previews	UCLA/CIS	UCLA/CIS GEORGIA	UCLA/CIS GEORGIA
Chemical Abstracts Condensates	BASIS UCLA/CIS LEHIGH/LEADERMART ORBIT	GEORGIA UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS	GEORGIA UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS
Chemical-Biological Activities	RECON	GEORGIA	GEORGIA
Chemical Titles	MASTER CONTROL	PITTSBURGH/CBIS GEORGIA	OHIO/MIC PITTSBURGH/CBIS GEORGIA
COMPENDEX	UCLA/CIS LEHIGH/LEADERMART MASTER CONTROL	UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS GEORGIA	UCLA/CIS LEHIGH/LEADERMART PITTSBURGH/CBIS GEORGIA
Current Index to Journals in Education	UCLA/CIS DIALOG ORBIT	GEORGIA UCLA/CIS	GEORGIA UCLA/CIS
Geological Reference File		GEORGIA	GEORGIA
Government Report Announcements	BASIS DIALOG	GEORGIA PITTSBURGH/CBIS	OHIO/MIC GEORGIA PITTSBURGH/CBIS
ISI Source Index			OHIO/MIC
MARC Books	LEHIGH/LEADERMART STANFORD/SPIRES	LEHIGH/LEADERMART	OHIO/MIC LEHIGH/LEADERMART
Metals Abstracts Index		PITTSBURGH/CBIS	PITTSBURGH/CBIS
National Agricultural Library CAIN Data Base	UCLA/CIS DIALOG ORBIT	UCLA/CIS GEORGIA	UCLA/CIS GEORGIA
Nuclear Science Abstracts	MASTER CONTROL	GEORGIA	GEORGIA
PANDEX	DIALOG		OHIO/MIC
Psychological Abstracts	DIALOG DATA CENTRAL		
Research in Education	UCLA/CIS DIALOG ORBIT	GEORGIA UCLA/CIS	GEORGIA UCLA/CIS
Sociological Abstracts		GEORGIA	GEORGIA
TOXICON	RECON	GEORGIA	GEORGIA

*Data bases with no retrieval service entries are not listed.

REFERENCES

1. B. Marron, et. al., "A Study of Six University-Based Information Systems," NBS Technical Note 781, June 1973.
2. D. Fife, et. al., "A Survey of Interactive Information Systems," NBS Technical Report (expected publication December 1973).
3. J. Schneider, et. al., "Survey of Commercially Available Computer-Readable Bibliographic Data Bases," American Society for Information Science, SIG/SDI, January 1973.
4. R. Anderson, "Index of Data Management Software Packages," NBS Report 10 932, October 1972.
5. M. Williams, et. al., "ASIDIC Survey of Information Center Services," Association of Scientific Information Dissemination Centers, June 1972.
6. C. Cuadra, Editor, "Annual Review of Information Science and Technology," American Society for Information Science, Vol. 7, 1972.
7. E. B. Parker and T. H. Martin, "Comparative Analysis of Interactive Retrieval Systems - Questions and Answers." Presented at SIGPLAN-SIGIR Interface Meeting, November 1973.
8. A. J. Neumann, "Review of Network Management Problems and Issues," NBS Technical Note 795, October 1973.
9. A. J. Neumann, "User Procedures Standardization for Network Access," NBS Technical Note 799, October 1973.
10. D. W. Fife, "Primary Issues in User Needs," Chapter 10 in Networks for Research and Education: Sharing of Computer and Information Resources Nationwide, MIT Press, Cambridge, Massachusetts (expected publication Spring 1974).
11. Stanford Computer Center, "Introduction to the SPIRES System," Volume I.
12. Stanford Computer Center, "How to Select and Search a File," Volume I.

U.S. DEPT. OF COMM. BIBLIOGRAPHIC DATA SHEET	1. PUBLICATION OR REPORT NO. NBS TN-814	2. Gov't Accession No.	3. Recipient's Accession No.
4. TITLE AND SUBTITLE A Mechanized Information Services Catalog		5. Publication Date February 1974	
		6. Performing Organization Code	
7. AUTHOR(S) Beatrice Marron, Elizabeth Fong, Dennis Fife		8. Performing Organization	
9. PERFORMING ORGANIZATION NAME AND ADDRESS NATIONAL BUREAU OF STANDARDS DEPARTMENT OF COMMERCE WASHINGTON, D.C. 20234		10. Project/Task/Work Unit No. 640.4404	
		11. Contract/Grant No.	
12. Sponsoring Organization Name and Address National Science Foundation 1800 G Street, NW Washington, DC 20550		13. Type of Report & Period Covered Final	
		14. Sponsoring Agency Code	
15. SUPPLEMENTARY NOTES			
<p>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.)</p> <p>NBS is mechanizing a catalog of currently available information sources and services. Information from recent surveys of machine-readable, commercially-available bibliographic data bases, and the various current awareness, batch retrospective, and interactive retrospective services which can access them, has been correlated and converted into a machine-readable data base. A prototype searching capability has been established on an operational interactive retrieval system. Reasons for establishing the catalog and the choice of the initial information are detailed and the prototype implementation is described. Sample queries are included, as well as a to-date listing of the catalog. Plans for future development are discussed.</p>			
17. KEY WORDS (Alphabetical order, separated by semicolons) Bibliographic data bases; computer-based systems; information services; information systems.			
18. AVAILABILITY STATEMENT <input checked="" type="checkbox"/> UNLIMITED. <input type="checkbox"/> FOR OFFICIAL DISTRIBUTION. DO NOT RELEASE TO NTIS.		19. SECURITY CLASS (THIS REPORT) UNCLASSIFIED	21. NO. OF PAGES 56
		20. SECURITY CLASS (THIS PAGE) UNCLASSIFIED	22. Price 90 cents

PERIODICALS

JOURNAL OF RESEARCH reports National Bureau of Standards research and development in physics, mathematics, and chemistry. Comprehensive scientific papers give complete details of the work, including laboratory data, experimental procedures, and theoretical and mathematical analyses. Illustrated with photographs, drawings, and charts. Includes listings of other NBS papers as issued.

Published in two sections, available separately:

• Physics and Chemistry (Section A)

Papers of interest primarily to scientists working in these fields. This section covers a broad range of physical and chemical research, with major emphasis on standards of physical measurement, fundamental constants, and properties of matter. Issued six times a year. Annual subscription: Domestic, \$17.00; Foreign, \$21.25.

• Mathematical Sciences (Section B)

Studies and compilations designed mainly for the mathematician and theoretical physicist. Topics in mathematical statistics, theory of experiment design, numerical analysis, theoretical physics and chemistry, logical design and programming of computers and computer systems. Short numerical tables. Issued quarterly. Annual subscription: Domestic, \$9.00; Foreign, \$11.25.

DIMENSIONS, NBS

The best single source of information concerning the Bureau's measurement, research, developmental, cooperative, and publication activities, this monthly publication is designed for the layman and also for the industry-oriented individual whose daily work involves intimate contact with science and technology —for engineers, chemists, physicists, research managers, product-development managers, and company executives. Annual subscription: Domestic, \$6.50; Foreign, \$8.25.

NONPERIODICALS

Applied Mathematics Series. Mathematical tables, manuals, and studies.

Building Science Series. Research results, test methods, and performance criteria of building materials, components, systems, and structures.

Handbooks. Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications. Proceedings of NBS conferences, bibliographies, annual reports, wall charts, pamphlets, etc.

Monographs. Major contributions to the technical literature on various subjects related to the Bureau's scientific and technical activities.

National Standard Reference Data Series. NSRDS provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated.

Product Standards. Provide requirements for sizes, types, quality, and methods for testing various industrial products. These standards are developed cooperatively with interested Government and industry groups and provide the basis for common understanding of product characteristics for both buyers and sellers. Their use is voluntary.

Technical Notes. This series consists of communications and reports (covering both other-agency and NBS-sponsored work) of limited or transitory interest.

Federal Information Processing Standards Publications. This series is the official publication within the Federal Government for information on standards adopted and promulgated under the Public Law 89-306, and Bureau of the Budget Circular A-86 entitled, Standardization of Data Elements and Codes in Data Systems.

Consumer Information Series. Practical information, based on NBS research and experience, covering areas of interest to the consumer. Easily understandable language and illustrations provide useful background knowledge for shopping in today's technological marketplace.

BIBLIOGRAPHIC SUBSCRIPTION SERVICES

The following current-awareness and literature-survey bibliographies are issued periodically by the Bureau:

Cryogenic Data Center Current Awareness Service (Publications and Reports of Interest in Cryogenics).

A literature survey issued weekly. Annual subscription: Domestic, \$20.00; foreign, \$25.00.

Liquefied Natural Gas. A literature survey issued quarterly. Annual subscription: \$20.00.

Superconducting Devices and Materials. A literature survey issued quarterly. Annual subscription: \$20.00.

Send subscription orders and remittances for the preceding bibliographic services to the U.S. Department of Commerce, National Technical Information Service, Springfield, Va. 22151.

Electromagnetic Metrology Current Awareness Service (Abstracts of Selected Articles on Measurement Techniques and Standards of Electromagnetic Quantities from D-C to Millimeter-Wave Frequencies). Issued monthly. Annual subscription: \$100.00 (Special rates for multi-subscriptions). Send subscription order and remittance to the Electromagnetic Metrology Information Center, Electromagnetics Division, National Bureau of Standards, Boulder, Colo. 80302.

Order NBS publications (except Bibliographic Subscription Services) from: Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
Washington, D.C. 20234

OFFICIAL BUSINESS

Penalty for Private Use, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-215

