



MIT LIBRARIES' NEWS

A Report to the Faculty

MIT and the ICPSR: the Libraries' connection

The MIT Libraries maintain the MIT membership in the Inter-University Consortium for Political and Social Research (ICPSR). Headquartered in the Center for Political Studies of the Institute for Social Research (ISR) at the University of Michigan, the ICPSR serves as an archive and distribution center for machine-readable datafiles. With our membership, we are able to obtain data from the Archive for the research needs of MIT students, faculty, and staff.

The Archive contains a wide array of economic, political, and social data. Researchers have access to datafiles such as ISR's Monitoring the Future, the National Election Studies, and the Panel Study of Income Dynamics. Data from other institutions such as the International Monetary Fund, the Commission of the European Communities, the United Nations, and the National Opinion Research Center, is collected as well as data contributed by individual principal investigators. The ICPSR also houses two additional archives which are externally funded: the Criminal Justice Archive and Information Network (CJAIN) and the National Archive of Computerized Data on Aging (NACDA). CJAIN is funded by the Bureau of Justice Statistics and

NACDA by the National Institute on Aging. The ICPSR Archive presently houses approximately 2,300 studies or 28,000 datafiles making it the largest social science data archive and distribution facility for computer-readable data in the nongovernmental sector of the United States.

Each September the ICPSR publishes an official catalogue, the *ICPSR Guide to Resources and Services*, containing descriptions of the data collections or studies which were available at press time. The *Guide* has been loaded into the MIT Libraries' section of TechInfo on Athena and has been annotated to show MIT holdings. The descriptions in TechInfo are

abbreviated, but full study descriptions are in the hard copy of the *Guide* which is located in the Dewey Library Reference collection (call number H61.I649b). The *ICPSR Guide to Resources and Services* is updated quarterly by the *ICPSR Bulletin* which is in the Dewey Library journal stacks. The updates provided by the *Bulletin* are not loaded into TechInfo. Dewey also has the codebooks for studies in MIT's collection as well as selected codebooks for studies which are not in the collection. All are catalogued (call number H61.I65, followed by the ICPSR study number) and the records are accessible through BARTON, the Libraries' online catalogue. To obtain a list of codebooks in Dewey, conduct a BARTON

author search: CAT/AUT/Inter-University Consortium for Political and Social Research. (You must type the hyphen when entering the word, "Inter-University"). Prior to 1975, the ICPSR was known as the Inter-University Consortium for Political Research so there are also entries on BARTON reflecting the former name.

If you wish to order new data, have questions about using the datafiles in MIT's collection, would like to offer your data to the ICPSR, would like a free, personal copy of the *Guide to Resources and Services*, or would like to be on the mailing list for the *ICPSR Bulletin* (also free of charge) contact Rae Jean Wiggins, Assistant Reference Librarian at Dewey Library, who is MIT's Official Representative to the ICPSR. (Contact information is listed at the end of this article). Other publications available at no charge are: *Data Available from the National Archive of Criminal Justice Data*, an annual catalogue describing this collection, the *Newsletter of the National Archive of Criminal Justice Data*, a biannual newsletter highlighting recent releases, *Catalogue of Data Available from NACDA*, and *NACDA Bulletin*.

ICPSR's busiest times for data requests are from the end of November through the end of December and from the middle of May through June. Fulfillment of orders placed during these times will take longer than the usual

two - three week process. This is also true of particularly large orders placed at any time. If you do not find the data you need in the *Guide*, you may submit a request for purchase. The ICPSR will consider acquiring data requested by member institutions. In accordance with ICPSR policy, all requests for data should be made through the Official Representative who serves as the liaison between MIT and ICPSR.

In addition to serving as a data archive and distribution center for machine-readable data, the ICPSR sponsors a Summer Program in Quantitative Methods of Social Research. The Summer Program, held in Ann Arbor, offers methodological and technical training as well as basic courses in statistics and data analysis. Any MIT student or faculty member may apply for admission to the Summer Program. A small travel stipend has been offered in previous years. For a description of courses offered in 1991, inquire at the Dewey Library Reference Desk (3-5677). Information about the 1992 Summer Program should be available in March 1992. You may also have your name added to the *ICPSR Summer Program in Quantitative Methods Announcement* mailing list.

The ICPSR also provides computing assistance to member institutions. As Consortium members, we may consult with the ICPSR regarding such tasks as equipment selection, identification of software, utilization of computer networking technology, and selection of data storage media.

Created in 1962, the Inter-University Consortium for Political and Social Research was originally designed to serve only a subset of political analysts. It now archives data pertinent to economists, sociologists, geographers, psychologists, and historians, as well as political scientists. In addition, researchers in the fields of education, public health, social work, public administration, urban affairs, foreign policy, business administration, law, criminal justice, and gerontology increasingly

access data to meet their needs. The ICPSR began with 21 charter members. It is now comprised of over 340 academically-oriented institutions located in 13 countries throughout the world.

Contact Information:

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Assistant Reference Librarian &
ICPSR Official Representative
E53-100, phone: 253-0787;
fax: 253-0642; e-mail:
Raewig@athena.mit.edu

*Rae Jean Wiggins, Assistant
Librarian, Dewey Library*

Journal Cancellation Project

During the last year, the Libraries' staff have carried out a thorough review of all journal subscriptions, and, with the assistance of faculty from all departments, have selected over 1,000 titles for cancellation. This is the second major cancellation project in the last three years necessitated by the spiraling increase in journal costs. The inflation rate on our entire journals list in 1991 was 19.4%. Inflation rates for journal subscriptions have been considerably higher than both the Consumer Price Index and the Higher Education Price Index for the last decade. In part, this can be attributed to growth in scholarly publication and in publishers' profits. In addition, the value of the dollar during the summer months when subscription prices are set has a significant effect, since more than forty percent of MIT Libraries' journal titles are published in foreign countries. In the summer of 1990, the dollar reached levels that were among the lowest since World War II, contributing to the highest inflation rate we have ever experienced.

With the dollar now stabilized, we anticipate a much lower inflation rate for 1992, approximately 8 percent. Because of this, the cancellations, which will take effect

at the end of 1991, should enable us to allocate modest amounts to increases in book funds, new serial titles, CD-Rom products and improved document delivery. The 1990's, however, will continue to be an era of rapidly increasing costs and stringent budgets for academic libraries. During the recent cancellation project, library staff made a concerted effort to involve faculty from all departments. The result has been beneficial in enabling us to make appropriate cancellation decisions, and, perhaps more important, in developing the working relationships which will serve us well in the years ahead.

*Carol Fleishauer, Associate Director
for Collection Services.*

CD-ROM Products Enhance The Education and Research Process

The CD-ROM, which has already revolutionized the music world, has taken a firm hold in the information industry. CD-ROM technology allows the packaging of vast amounts of information on a single seven inch disk. It is estimated that the entire catalogue of the Library of Congress would occupy only four disks! While compacting is an important feature of these products, enhanced searching and retrieval of information is the revolutionary aspect of CD-ROM. Extracting a specific piece of information or a citation list on a research topic from large files now takes seconds and you can walk away with a paper printout or a downloaded diskette for many products.

The MIT Libraries now provide access to over 20 products in various disciplines, ranging from bibliographic databases (i.e., indexes and abstracts), to encyclopedias, directories, and datafiles. Soon, the MIT Libraries' catalogue will be available in CD-ROM format.

CD-ROM Products in the MIT Libraries

Barker Engineering Library

Compendex Plus (last 5 years, Dialog OnDisc, quarterly) International abstracting coverage of engineering and technological literature. Includes journal articles, published proceedings, and selected books and reports. Corresponds to printed *Engineering Index*.

NTIS (1985 - present, Dialog OnDisc, quarterly) U.S. government-sponsored research, development, and engineering reports and analyses prepared by federal agencies, their contractors, and grantees. Includes abstracts.

Dewey Library

ABI/INFORM (last 5 years, Dialog OnDisc, monthly) Provides indexing and article summaries for over 800 professional publications, trade magazines, and academic journals. This database can be used to find information on companies and products, business conditions and trends, corporate strategies and tactics, and management policies and techniques.

Lotus One Source CD/Corporate, U.S. (updated quarterly) Provides access to financial, strategic and competitive information on 12,000 publicly held companies and 50 industries. Includes financial statements from SEC filings, full text investment reports, selected abstracts and citations to company and industry news, marketing strategies, business and economic trends, biographies of key executives and directors, and stock price and volume data. Can generate custom reports.

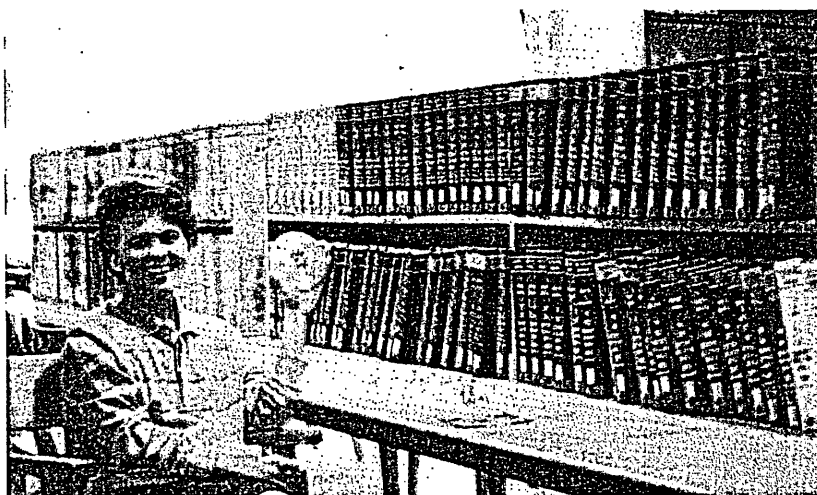
PAIS (1972-present, PAIS, quarterly) Computer version of the *Public Affairs Information Service* indexes to the public policy literature. Includes books, articles, government documents from all jurisdictional levels, and reports of public and private agencies and companies published in English, French, German, Italian, Portuguese, or Spanish. Subject headings and abstract-like notes are in English.

Humanities Library

Academic Index (latest 5 years, IAC, monthly) Subject index to popular and scholarly humanities and social science journals. Some newspapers are included.

Bible Library Includes nine versions of the *Bible* and 20 reference books including a bible dictionary and commentaries.

Dissertation Abstracts International (1861-1984, UMI) An index to dissertations from 1861-1984; includes abstracts of dissertations dated 1980-1984.



The information found in this single CD-ROM disk, held by Librarian Suzanne Weiner, fills 20 printed volumes of the *Science Citation Index*. Photo by Ginny Such.

Grolier Electronic Encyclopedia

The computer version of the *Academic American Encyclopedia*. Can do Boolean searches on every significant word in the text and the titles.

Oxford English Dictionary

Computer version of the original edition of the OED, does not include the supplements. Can search by heading word, word in definition statement, author of quotes, quotation text, and etymology.

PsycLit (1974-present, Silverplatter, quarterly) Computer version of *Psychological Abstracts*. Includes abstracts of the international literature in psychology and related fields.

Social Science Index (1983-present, WilsonDisc, quarterly) Subject index to English language social sciences journals. Updates to the quarterly CD-ROM disc are available online through Wilsonline.

Ulrichs The computer version of *Ulrichs International Periodicals* including annuals and serials. Can do Boolean searches on title, keyword, publisher, etc.

Rotch Library

Art Index (1984-present, WilsonDisc, quarterly) Indexes domestic and foreign periodicals, reports, yearbooks, book reviews and museum bulletins on art, architecture, city planning, film, photography and related fields. Subject searching in "browse mode", full citation searching (author, title, etc.) in the "Wilsearch" mode.

Electronic Sweet's (Sweet's Division of McGraw-Hill, annual) Includes: 1) Sweetsearch, electronic version of the Sweet's catalogue files of products for General Building and Renovation and Engineering and Retrofit; 2) Sweetspec, an interactive expert specification writing system linking specifications sections based on Masterspec with product selection from the Sweet's catalogues.

Real Estate Transfer Database

(Massachusetts 1982-1989 and Connecticut 1987-1989, by Banker & Tradesman, Abt Books, and Knowledge Access) Contains data for all types of real estate sales during time period covered. Can produce reports, graphs, and mailing labels.

Supermap Combines 1980 U.S. Census data with matching digital mapping data. Mapping of state, county, census tract, enumeration district/block group, and zip code boundaries.

Science Library

Aldrichem (Aldrich Handbook of Fine Chemicals) Provides physical and reference data for over 55,000 chemicals. Access by Beilstein reference number, registry number, IR spectra, safety information, and physical properties. Order and price information for all chemicals is included.

Science Citation Index (1985-present, ISI, quarterly) Bibliographic and citation information from more than 3,300 scientific journals. Searchable by title words, author, author address, cited author, cited work, cited patent, and journal titles. Also can search for related record, i.e. articles that share references in their bibliographies.

For more information about a specific product or CD-ROMS in general, call one of the following librarians.

Dewey Library

Kathy Green, x3-7051
Engineering and Science Libraries
Scott Brandt, x3-7749
Humanities Library
Theresa Tobin, x3-5683
Rotch Library
Randy Bairnsfather, x8-5596

David S. Ferriero, Associate Director
for Public Service

Storage Facilities

As building costs and real estate values on university campuses continue to rise, most large research libraries can no longer expand facilities sufficiently to house their entire collections in their primary sites. One librarian recently referred to this dilemma as the "problem of space for the inexorably growing human record." While electronic delivery and storage of information may offer some respite in the future, libraries are currently responding to the problem by depending increasingly on off-site storage facilities. The MIT Libraries are no exception.

The Libraries have operated during recent years, and will operate for the foreseeable future, in an environment of limited space allocation. The tension between the commitment to maintain strong collections and the constraints of finite space is intensified by the critical requirement that these collections remain reasonably accessible to users. In response to this situation, the Libraries opened the RetroSpective Collection (RSC) in 1983. The RSC currently holds approximately 450,000 volumes, or about twenty percent of the collections, consisting primarily of earlier years of journal titles and pre-1963 monographs.

Library users can search the journal titles through Barton, or in the microfiche *Serials in the MIT Libraries*. Bibliographic access to the pre-1963 monographs is provided through the microfiche catalogue of the Dewey Decimal Collection, available in all MIT libraries. Library users may request RSC materials by inquiring at a reference desk in any of the divisional and branch libraries. Requested items are delivered to whichever library the user chooses; delivery is made within 24 hours, except that requests received on Friday will be filled on Monday. The RSC is also open for on-site use 9-5, Monday through Friday, in Building N57, 1 State Street, Cambridge. Users should call 253-7040 for information or to make arrangements to visit the building.



Requested materials on their way to libraries. Photo by Ginny Such.

In addition to the requirement of reasonable access for current users, preservation of these older, sometimes fragile, materials for future users is an important concern. Toward this end, the RSC building was renovated in 1990-91 to control the temperature and humidity and to prevent water leakage. In addition, the Libraries have recently begun to store some materials in the Harvard Depository (HD), a state-of-the-art facility located on Harvard's Southborough campus. The storage, collection control, and environmental control systems of the Harvard facility adhere to the highest standards for preservation of materials. This makes it an ideal location for storing materials which are of special value or are prone to physical deterioration. As our collections continue to expand, we will move older, less-used journals and monographs there. Delivery of materials to a requesting MIT library will be available with 48-hour turn-around, excluding week-ends.

With all of our library facilities (except the newly expanded Rotch Library) currently at full shelving capacity, we will continue to move more materials to our storage facilities every year. These moves are carefully planned by the divisional and branch librarians, the primary criterion being evidence of low use. While there is no substitute for on-site browsing and immediate use, we have been able to maintain effective delivery

patterns during the many years of our now mature storage program. We expect to maintain and expand our storage program in the coming years, but we will also be exploring opportunities for additional library space for collections, equipment, and users. While the *rate* of collection expansion can be expected to diminish, collection expansion itself will continue. In addition, new library technologies will require considerable space for equipment, wiring, and furnishings. Our vision of the MIT Libraries in the 21st century includes adequate and appropriate space for the latest technology as well as for the still important printed texts.

Carol Fleishauer,
Associate Director for Collection Services

Jennifer Banks,
Preservation and Collections Librarian

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New Staff



Photo by MIT Libraries' Microreproduction Laboratory.

Ellen Finnie Duranceau began her new duties as Associate Head of Serials and Acquisitions Services on July 1, 1991. She now manages the Serials Acquisitions and Federal Depository Documents Sections, in addition to her broader responsibilities as Associate Head of the department.

For the past year, Duranceau has served as the Assistant Acquisitions Librarian for Gifts and MIT Publications, and as a part-time reference librarian in the Science Library. Her previous positions include Cataloguer and Acting Head of Circulation at Lesley College Library, and Head of Indexing Services at Bain & Company, a management consulting firm in Boston. Prior to her librarian positions, Duranceau worked in the MIT Libraries as a support staff member in Barker Engineering and Dewey Libraries.

In addition to the Master's degree in Library and Information Science from Simmons College, she holds the MA in English Literature from Northeastern University and the AB in Psychology from Princeton University.

Keith A. Glavash was appointed as Head of the Microreproduction Laboratory, effective February 1, 1991. In this position, he manages the day to day activities of the Laboratory and plans for its future development. Also, as a member of Library Council, Keith is involved in overall organizational planning and policy formulation for the Libraries.

Already under his tenure, the Lab has begun supplying University Microfilms, Inc. with abstracts of MIT doctoral dissertations for its publication, *Dissertations Abstracts International*; participated in a number of projects to produce preservation masters of a variety of journals important to the history of science and technology on microfilm; and switched the Libraries' photocopy machines over to a new renewable copy-card system.



Photo by MIT Libraries' Microreproduction Laboratory.

Keith joined the staff of the Microreproduction Laboratory as an office assistant in 1980. He was promoted to Senior Office Assistant in 1981 and was named Business Manager in 1985. From July, 1990 until beginning his new appointment in February, he served as Acting Head of the Laboratory.

Keith holds a bachelor's degree in music from Augustana College in Illinois and a master's degree in music from the New England Conservatory of Music. He has held various positions in music conducting and directing at local churches. He is a member of the Association for Information and Image Management.

Systems Activities in the MIT Libraries

The developments, changes, and challenges in the Libraries' use of information technologies continue at a rapid pace. We continue to make progress toward our goal of delivering effective and efficient information services to the MIT community. Some recent developments include:

24 Hour Catalogue.

The Libraries now offer extended access to the Barton catalogue. Through the use of additional storage capacity, Barton is now available 24 hours a day in the Hayden Library and through the MIT network and dial access. We have begun to monitor the additional use of Barton after midnight, and we expect that volume will increase as the fall semester gets underway.

Barton Interface.

The network introductory menu and presentation of the Barton catalogue and other information services has been totally redesigned. It now offers additional information about the Libraries and more complete instructions for network users. This new interface has been developed by the Information Systems Distributed Computing and Network Services Group in cooperation with the Libraries' Systems Office. To see this interface and its services: from an Athena x-windows workstation, type: *setup library* from other network machines or dial-in access to the MITnet, type: *telnet library*.

The initial option is to search the Barton catalogue. Other services offered in the menu will connect you to area resources, including other Boston Library Consortium libraries and the Harvard Hollis system.

New Catalogue Project.

In June the Libraries signed a contract with Marcive, Inc. of San Antonio, Texas, to provide a new public access catalogue in the MIT

Libraries. This catalogue is a CD-ROM system which will accomplish several objectives:

1. Information in the MIT catalogue will be standardized according to nationally recognized forms. For example, all of an author's works will be brought together under an accepted form of the name.
2. Searching capability in the CD-ROM system is much more sophisticated and powerful. More extensive indexing and boolean search capabilities will permit users to find materials more easily. For example, searching for MIT theses will be possible by department and advisor. Further capabilities will permit downloading of information to diskette so that information can be further manipulated by the user.
3. It relieves some of the capacity constraints on the Libraries GEAC system. By removing the public catalogue in the Libraries from the GEAC system, we make available machine resources for other projects, notably implementation of an automated acquisitions system.

The timetable for this project calls for implementation of the new catalogue system during the winter. As the project moves forward, the Libraries will be providing additional information and publicity about this new service.

Information Systems and the Libraries

This past year has involved increased interaction and cooperative work with MIT Information Systems. Administrative groups from both organizations have been meeting in order to plan and coordinate joint activities. Recently technical groups have begun defining and implementing shared activities. Some of these include the new Barton interface on MITnet described above, and implementation of a "library locker" facility on Athena which will provide a range of services and information, including an online reference consultant service.

I/S and the Libraries are also working toward the goal of a networked information environment that will capitalize on the MIT computer network and offer an array of information, including the Libraries' catalogue.

Retrospective Conversion.

The conversion of card catalogue data to machine readable form for the Libraries' monographs, 1964-1974, is almost at an end. As of August 1991, the Libraries have loaded over 100,000 of these converted records. This has increased the size of the MIT Libraries' database to over 500,000 records. The systems work to add these records to our database has been substantial. The results - a significant step toward a completely automated catalogue - are very satisfying, and we can now offer users access to another rich segment of our collections.

During this academic year, we will implement the new catalogue system from Marcive, and the automated acquisitions system on our GEAC system; and, we will continue our cooperative investigations with Information Systems toward a networked information delivery system.

Greg Anderson, Associate Director for Systems and Planning

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