

2. GENERAL INFORMATION

2.1 Background

Wayne State University is a complex, urban, graduate university that has been serving the citizens of Michigan and Metropolitan Detroit for more than 100 years. The University officially became a state-supported institution in 1959, although its foundations trace back to 1868 with the beginning of its medical school.

Today, the University is comprised of ten schools and colleges, including the School of Medicine and the Law School, with a Fall 1983 enrollment of 30,000 students and a faculty of 1,200. As an urban mission university, Wayne State draws 89 percent of its students from the tri-county metropolitan area and 94 percent of its students commute to classes. Of its over 140,000 living alumni, 100,000 remain in the metropolitan area and contribute their talents to the community.

Most academic and service units of the University are located on the main campus in the heart of Detroit. The School of Medicine and its affiliated autonomous teaching hospitals and clinics are located a short distance south and east of the main campus in the Detroit Medical Center. The downtown campus provides facilities for the College of Pharmacy and Allied Health professions. Some smaller instructional centers are located in other parts of the tri-county metropolitan area.

The Wayne State University Library System is housed in six separate buildings. On the main campus, there are the Neef Library (Law), the Purdy/Kresge Library Complex (Humanities/Social Sciences/Education), and the Science Library. Further away are the Federal Mogul library storage building located just south of the main campus and the Shiffman Medical Library located on the Medical Center campus. The Pharmacy and Allied Health Learning Resource Center, located at the downtown campus, maintains a basic reference and reserve collection for the College of Pharmacy and Allied Health.

Over 1,426,000 users a year enter the Wayne State University Libraries. These users, many of whom are repeat student users, account for approximately 300,000 circulation transactions per year. In addition, Library staff provide services for the community, including services to students from other Detroit area colleges and universities. In support of these users, the Libraries have developed collections of over 1,900,000 volumes, including over 1 million monographic and 30,000 serial titles, plus 1,400,000 pieces of microform.

A media center is also operated by the Libraries in the Purdy/Kresge Complex. It offers listening and previewing facilities, film and equipment booking, and graphics and photography services.

2.2 Automation at Wayne State University Libraries

Currently, there is no online public catalog of the holdings of Wayne State University Libraries. Only one consolidated, or union, card catalog exists, and it is located in the Purdy Library. Users must consult that catalog, as well as the catalogs at each library building, to determine the holdings and locations of the materials in the Library System. The Libraries already have approximately 300,000 of their bibliographic records in machine readable form on tape via participation in the national OCLC bibliographic network since 1975.

Two parts of the circulation system at Wayne State, namely, overdues and class reserves, have been automated locally on the Amdahl V/6 located at the University's Computing Services Center. All other circulation functions are handled manually. The software for the automated functions was written over ten years ago, has not been brought up to current standards, and will soon require reprogramming to accommodate CICS.

Acquisitions functions at Wayne State's Libraries are currently automated using Ringgold Management's Nonesuch software on a Wang minicomputer system. The Nonesuch system has served the Libraries well for three years and can handle our anticipated workload for an additional year or more. Eleven Wang CRT's access the Nonesuch system from all libraries except Pharmacy. The Nonesuch system would require a major re-design to interface with automated circulation, an online public catalog, and serials control subsystems.

The Libraries currently use OCLC's services for cataloging, union listing, and inter-library loan. Access to OCLC is provided using twelve OCLC Beehive terminals. Five OCLC M300 terminals (modified IBM pc's) are on order for the Libraries. All monographs added to the Libraries' collections since 1975 have been cataloged via OCLC. In addition, the Libraries' serial holdings have been entered into the OCLC database in summary form and will be available from OCLC on a "snapshot" tape in the Fall of 1984. A retrospective conversion project for monographs began its pilot phase in April, 1984, using OCLC in non-prime time.

None of the items in the Libraries' collections has been barcoded.

In summary, three separate computer systems are being used by Wayne's Libraries. These systems have minimal or no links between them. And major labor-intensive services are being provided manually. Wayne State's Libraries, by installing a comprehensive integrated computerized system could:

1. substantially improve the quality of current service provided;
2. offer modernized and state-of-the-art services;
3. open access to its collections;
4. improve the management and control of its substantial resources; and
5. provide a unique opportunity for participation in an automated information network.

2.3 Wayne State University Computing

Wayne State University's Computing Services Center provides centralized computing services to serve the instructional, research and administrative needs of the University. In addition, the CSC supports external user access via Telenet. Academic computing services are provided on an Amdahl 470 V/8 under MTS (the Michigan Terminal System). Administrative computing is now handled on an Amdahl 470 V/6 under VM/MVS. This summer, the CSC plans to add an IBM 4381 for administrative computing.

In April 1983, the CSC acquired Customer Information and Control System (CICS), the IBM teleprocessing monitor used by over 80% of IBM installations. Access to the Amdahl V/6 and the IBM 4381 is controlled by a recently acquired IBM front end processor operating with BISYNC protocol.

The University is interested in using the Computing Services Center resources where applicable for the proposed automated library system. Public access to the Integrated Library System could be provided to users via the CSC local area network currently being developed.

2.4 Detroit Area Library Network

Wayne State University Libraries have a long history of cooperation with other libraries in the Detroit metropolitan area. As planning proceeded for an Integrated Library System for Wayne State University, it became apparent that the project had exciting potential for regional networking. Other libraries in the area with active automation plans have agreed to plan together for a Detroit Area Library Network, called DALNET. The host institution is to be Wayne State University until governance and organizational questions are settled.

The libraries participating in the initial development of DALNET are:

1. Wayne State University Libraries;
2. Detroit Public Library;
3. The University of Detroit libraries;
4. Wayne County Community College Libraries; and
5. Six representative hospital libraries from the Metropolitan Detroit Medical Library Group.

Goals identified for a computerized library network in the Detroit area include:

1. To save money, or at least contain costs by:
 - a. Sharing the costs for central site hardware and software;
 - b. reducing the costs for equipment and supplies with group purchases;
 - c. reducing storage and maintenance costs for mutually used data bases;
 - d. reducing data conversion costs by using a shared data base;
 - e. sharing the costs for central site preparation, system personnel, and system operation.
2. To improve service in each library and resource sharing among libraries by:
 - a. sharing an online union catalog that identifies the resources of all libraries;
 - b. sharing circulation and serial control systems to enable the users at each library to know the availability of all materials in the online public catalog;
 - c. providing increased capability for cooperative acquisitions and collection development;
 - d. sharing a borrower's file to facilitate the borrowing agreements made;
 - e. providing automated inter-library loan capabilities among the participating libraries;
 - f. providing management information to better analyze and control the use of the Detroit area's information resources.

All these Detroit area libraries depend on each other's resources to supplement their own. They all serve the information and learning needs of many of the same residents of the community. There are already agreements among them all to share resources.

The Main Library of the Detroit Public Library System is across the street from Wayne State's Purdy/Kresge Library Complex. The Detroit Public Library, a major research resource, has over 2,500,000 volumes and 33,000 serial titles in the collections of its Main Library and twenty-six branches. Faculty and currently enrolled Wayne State University students are given circulation privileges at the Detroit Public Library. Detroit Public Library users are able to borrow Wayne State's materials via the Infopass system. Over the year's library collections at Wayne State and at Detroit Public have been developed with collection sharing assumptions. A recent random sample of titles owned by Detroit Public revealed only a 35% overlap with monographic collections owned by Wayne State. The serial collections were found to have a 33% overlap.

The University of Detroit is the largest of Michigan's independent institutions of higher learning. It has three campuses located in the City of Detroit and they have a complex of eight schools and colleges offering undergraduate, graduate, and professional training to over 6,000 students each year. The University of Detroit's Libraries consist of the main campus library, which operates two branches, one for the Evening Business Administration program and one at the Clarkston campus in Oakland County, and two independent professional libraries, Law and Dentistry. These libraries have collections of more than 500,000 volumes and 20,000 serial titles. The Dental Library is a regional resource library for the dental professionals in the area. Cooperative developments between Wayne's and U of D's Libraries have resulted in reciprocal borrowing agreements. Estimated overlap between the U of D's collections and Wayne's is 58%. The overlap with DPL's collections is 60%.

Wayne County Community College was founded in 1967 to serve the metropolitan region of Wayne County. Headquartered in Detroit, WCCC provides occupational and career programs as well as traditional college transfer programs to all within the community. Its Open Door policy and financial assistance programs attract students who would otherwise not have access to higher education. WCCC operates five campuses, plus eleven additional centers throughout its 500 square mile service area. Its libraries, called Learning Resources Centers, are located at six Centers.

These libraries have collections of more than 70,000 volumes and 600 serial titles, as well as 9,500 pieces of audiovisual media and equipment. During WCCC's development, the students have had to depend on the resources of the libraries in the metropolitan area to supplement their libraries' collections. They now borrow regularly from Wayne's and DPL's libraries via the Infopass system. Agreements with the area's hospitals have provided WCCC's large nursing and health sciences student body with access to clinical collections needed for their studies.

Wayne State's Shiffman Medical Library has long standing as a regional medical information resource. Its roots go back to a medical collection from the Detroit Public Library that was donated to the University with the provision that services continue to the community. The Shiffman Library has played a leadership role in the organization and development of the Metropolitan Detroit Medical Library Group. This group of more than sixty hospital libraries in the Detroit metropolitan area was formally organized in 1974, although it had been meeting for over twenty years. Evidence of their commitment to cooperation exists in the Union List of Selected Serials of Michigan, which they founded in 1964; in the union card catalog they established to enable them to locate materials; and in their strong inter-library lending agreements, which they re-affirm each year.

Wayne State hosts a self-supporting processing center for 15 hospital libraries at the Shiffman Medical Library. Hospitals contract with the center for catalog cards and machine-readable cataloging records via OCLC participation. Many of the hospitals participating in this center are affiliated as teaching hospitals with the Wayne State School of Medicine. Wayne State's medical students and faculty, as well as WSU's and WCCC's nursing and health sciences students, depend on many of the MDMLG libraries with combined holdings of over 500,000 volumes. Six of the MDMLG libraries are initial participants in DALNET.

All these libraries have made the initial commitment to plan together for a Detroit Area Library Network. To keep the planning group manageable and representative, other libraries have not yet been invited to participate. After the network is a reality, the plan is to provide opportunities for participation to any Detroit area library.

All the libraries initially planning DALNET have their current cataloging records in machine-readable form on OCLC tapes except one hospital that uses MARCIVE.

2.5 Computing at Other DALNET Institutions

Each of the DALNET libraries currently has access to the computing resources available in its parent institution. Most DALNET libraries are interested in eventual online linkage of an integrated library system to various types of records kept on their institution's computing equipment. The ability to load name and address data on tape from their local computers into the integrated library system is very important.

The University of Detroit operates a Burroughs 86800 mainframe for all administrative functions except alumni records. Using the Burroughs MCP operating system and locally developed software, it currently handles student, payroll, and accounting records that could be useful to the Library's automated system. Alumni information is on a DEC VAX 11/750 operating on VMS. Their Burroughs equipment can handle all IBM compatible protocols, e.g. 3270 BISYNC, as well as others.

DETROIT AREA LIBRARY NETWORK

Botsford General Hospital
Hospital Library & Media Center
28050 Grand River
Farmington Hills, Michigan 48024

Children's Hospital of Michigan
Medical Library
3901 Beaubien Blvd.
Detroit, Michigan 48201

Detroit Public Library
5201 Woodward Avenue
Detroit, Michigan 4820

Harper Hospital Division
Harper-Grace Hospitals
3990 John R Street
Detroit, Michigan 48201

Henry Ford Hospital
Medical Library K-17
2799 West Grand Blvd.
Detroit, Michigan 48202

Sinai Hospital of Detroit
Samuel Frank Medical Library
6767 West Outer Drive
Detroit, Michigan 48235

University of Detroit
4001 West McNichols
Detroit, Michigan 48221

Wayne County Community College
801 West Fort Street
Detroit, Michigan 48226

Wayne State University
455 Purdy Library
Detroit, Michigan 48202

William Beaumont Hospital
3601 West 13 Mile Road
Royal Oak, Michigan 48072