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MINNESOTA INTERLIBRARY TELECOMMUNICATIONS EXCHANGE
(MINITEX)

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Prepared by the Staff of the
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CHAPTER 1. INTRODUCTION

The Minnesota Interlibrary Telecommunications Exchange (MINITEX) is a network of academic, public, and governmental libraries sharing resources to better provide needed materials and information to scholars and residents in Minnesota and its contiguous states. The program began in 1969 as a two-year pilot project involving 11 Minnesota libraries. It now involves 162 libraries in Minnesota, North Dakota and South Dakota (see Appendix A for participating libraries) and has five programs: (1) document delivery, (2) a telephone reference service, (3) serials exchange, (4) a common union list of serials, and (5) online union catalog and cataloging, jointly with the University of Minnesota Twin Cities libraries. This report describes the background and status of MINITEX programs.

CHAPTER II. BACKGROUND

From its origin as a small test project, MINITEX became a pioneer in library resource sharing. In 1969 MINITEX was funded jointly by the Louis W. and Maud Hill Family Foundation and state and federal (Library Services and Construction Act Title II) monies. It used the Trans World Exchange (TWX) telecommunication network, United Parcel Service and first class U.S. mail delivery system to test sharing University of Minnesota library resources with 10 representative Minnesota libraries. The project sought answers to three questions:

1. Could needed material be provided to Minnesota users outside the metropolitan area in a useful format and in the needed time?
2. What would be the comparative cost between sharing and duplicating resources?
3. What would be the degree of conflict of interest with primary users at the host library?

By 1971 the resource sharing concept seemed educationally and economically viable, and the project became a program of the Minnesota Higher Education Coordinating (Commission) Board, funded by the legislature. Since then, it has been reviewed and funded as part of the biennial budget process. Since 1971, several milestones have been achieved:

- o publication of seven editions of MJLS: A Union List of Serials;
- o participation in the OCLC (Online Computer Library Center) online cataloging system since 1976, and
- o negotiation of contracts or reciprocal agreements with the Minnesota Office of Library Services and Development (LDS), Wisconsin Interlibrary Services, North Dakota State Library, and South Dakota libraries.

All these developments have helped to make information more available than before to residents in Minnesota and its contiguous states.

In the early years the number of requests for materials grew rapidly as the number of participating libraries increased and as libraries and library users became aware of the MINITEX services. A detailed history of MINITEX participation, funding, costs and programs since 1969 can be found in Appendix B. While the types and levels of service have grown, the cost of providing these services per library and per request has remained low and relatively constant in terms of real, uninflated dollars. In 1969 the University of Minnesota Twin Cities campus provided 100 per cent of the delivered items. More recently, document requests have leveled off; and 31 per cent of the delivered items are provided from outside the University Twin Cities campus. The University, however, shares more materials with other libraries than any other university library in the country, except the National Library of Medicine.

In the past year, MINITEX has been operating in a rapidly changing environment. Libraries in Minnesota, as well as those in North Dakota and South Dakota, have been discussing new technologies for automating card catalogs, circulation services, and acquisition systems. More than 20 libraries have joined in a tri-state corporation to explore a common approach to automation, and MINITEX has assisted their efforts by providing administrative and technical support. Recently, the Coordinating Board staff have been working with the Minnesota Department of Education Office of Library Development and Services (LDS) and the state librarians of North Dakota and South Dakota to determine how the three states can best help their libraries move from traditional to automated online processes and services.

Library automation is an important issue because it affects the day-to-day workings of a library, involves a large initial investment, and has the potential to link the holdings of several libraries. Many automated systems will

allow one library to request an item from another by terminal; but the actual delivery of the item between libraries may require more traditional methods.

The introduction of automation raises two key issues for MINITEX. First, when different libraries and groups of libraries choose different computerized systems, how can the state assure that library resources will continue to be easily accessible for libraries around the state and region? Second, how can MINITEX encourage resource sharing in this new environment?

Regarding the first issue, MINITEX and LDS jointly have sponsored a task force to review and update guidelines for library automated online systems. One outcome of the task force is to include guidelines that will assure both common standards for bibliographic records and the potential for dial-up access to the automated system of one library from another.

Secondly, MINITEX has undertaken a pilot test to see if it can aid direct resource sharing between libraries sharing a common automated system. In addition, MINITEX will play a key role in resource sharing between libraries with different automated systems and in assuring resource sharing between automated and non-automated libraries.

CHAPTER III. PROGRAM ADMINISTRATION

The Coordinating Board contracts with the University of Minnesota for MINITEX services. The University manages the day-to-day operation of the program and services with a staff of 19.4 plus the equivalent of 16.3 full-time students working at the MINITEX office in Wilson Library. Coordinating Board staff determine the general policy direction of the MINITEX program, set the goals and objectives of MINITEX, define MINITEX services, develop budget requests, contract for major services, and represent MINITEX to the legislature and the public. In addressing its responsibility, the Coordinating Board works with an advisory committee appointed by the Minnesota Higher Education Coordinating Board executive director; the committee met six times in 1983 (see Appendix C for the members of the advisory committee).

Throughout the last decade, several principles have guided the administration of MINITEX:

1. The local library is the most appropriate user service level. MINITEX is an interlibrary network, and therefore does not serve patrons directly. It is an agency to enhance local library service through cooperation among libraries.
2. The local library is responsible for its own collections, bibliographic records and personnel. It is the responsibility of an academic library to provide the collection to support its institution's educational and research programs, and the responsibility of other libraries to provide the collection to support the needs of their clientele. There is no substitute for having needed items available locally; in fact, 95 percent of library needs should be met at the institutional level, and only exceptional needs should be referred to MINITEX.
3. Local libraries are responsible for determining their clientele and selecting appropriate services. Screening of requests is done locally by the librarian, not by MINITEX.
4. Participation in MINITEX should improve or provide additional service to the user. In no case should participation lead to deterioration of service to the user.

5. MINITEX participation should aid in cost effectiveness in individual libraries and allow for improved use of available funding.
6. National standards and protocols (bibliographic, telecommunications, formats, etc.) should be adopted uniformly in the development of any programs or systems. Programs should be developed with flexibility so they can be expanded to integrate with regional or national programs, or support local cooperative activity.
7. To the degree that it is economically feasible, it is appropriate for the network to support access to the communication, delivery, and bibliographic systems, but local use of the system and the accompanying costs are the responsibility of the individual library.
8. All functions should support sharing resources.
9. All procedures and functions should be service producing.

In the past year, the program has been in transition with an interim director. During this period, the MINITEX Advisory Committee reviewed the mission of the program and recommended a management plan to guide it in the achievement of its goals and objectives.

CHAPTER IV. SOURCES OF FUNDING AND PROGRAM COSTS

The MINITEX program is supported through direct appropriations to the Minnesota Higher Education Coordinating Board for service to educational and state agency libraries. In addition, the Coordinating Board contracts with the Minnesota Department of Education Library Development and Services Office (LDS), North Dakota, and South Dakota to provide service to Minnesota's public libraries and designated libraries in North and South Dakota. Table 1 indicates the source of revenue for the 1983 fiscal year.

TABLE 1: SOURCES OF REVENUE, FISCAL YEAR 1983

Direct appropriation to HECB	\$601,500.00
LDS contract	\$143,262.00
North Dakota contract	\$ 57,390.50
South Dakota contract	\$ 49,721.50
TOTAL REVENUES	<u>\$851,874.00</u>

Expenditures for the MINITEX program are allocated to the five MINITEX services. In addition, under the contracts with North and South Dakota there is a payment to the University of Minnesota for collections development to compensate for the borrowing from those states. Expenditures for Fiscal Year 1983 are shown in Table 2.

TABLE 2: EXPENDITURES BY PROGRAM, FISCAL YEAR 1983

Document delivery	\$543,238
MULS: A Union List of Serials	\$125,910
Reference and information	\$ 82,202
Online cataloging	\$ 58,418
Serials exchange	\$ 27,900
Collections development	\$ 14,206
TOTAL EXPENDITURES	\$851,874

MINITEX is a low cost service because of its unusual nature and organization. Most other library networks in the country are organized as private non-profit corporations with their own independent library boards. These networks must be concerned with operational detail such as capital investment, overhead, and internal management systems necessary for tracking costs to be translated into user fees. Because MINITEX is a state program funded through a state appropriation to the Coordinating Board and housed at the University of Minnesota, there are no overhead charges to support these costs; thus they are modest compared to those of other networks. Further, the sophisticated accounting systems necessary to determine and create billing procedures are unnecessary due to the method of MINITEX funding. This greatly increases program efficiency and cost effectiveness.

CHAPTER V. MINITEX PROGRAMS

MINITEX services are delivered to 162 participating libraries through its five programs. These services complement one another and together provide an example of efficient library cooperation. Following is a description of each program's status.

DOCUMENT DELIVERY

MINITEX participants transmit loan and photocopy requests to the MINITEX central office located at the University of Minnesota Wilson's Library. The central staff locate and retrieve needed materials from the University of Minnesota Twin Cities campus libraries, State Law Library, Minnesota State Board of Health, Minneapolis Public Library and Information Center, and Minnesota Historical Society. Requests not filled at these libraries are referred to other participants known to hold the needed material.

Requests which cannot be filled in Minnesota, Wisconsin, North Dakota or South Dakota are referred to the Midwest Health Science Library Network, the Library of Congress, National Library of Medicine, National Agricultural Library and the British Library, Lending Division. For libraries wanting to pursue requests that cannot be filled from resources available to the network, MINITEX serves as the Minnesota state agency for obtaining locations for needed materials in other states from the National Union Catalog at the Library of Congress.

Rapid delivery provides the needed material to the patron when it is wanted. Commercial buses, commercial delivery service, first class mail, and local couriers provide efficient delivery. Couriers, supported by MINITEX as part of delivery service to areas with concentrations of libraries, also make it

easier for libraries to share resources in local arrangements. Table 3 presents the number of requests and items provided by types of library.

The Document Delivery Service has experienced dramatic growth since its inception in 1969, from the original 11 libraries to 162 in 1983. As Figure 1 indicates, the number of requests has increased significantly from approximately 20,000 in the first year.

- o During 1982-83, 176,197 document requests were transmitted to MINITEX.
- o 156,197 (88.7%) were delivered to libraries for their patrons.

Two pilot projects regarding document delivery services were initiated by MINITEX in the past year. In response to requests from many libraries to investigate the possibility of direct borrowing, MINITEX developed a plan to assess the feasibility of such borrowing. Libraries using the State University System online catalog have been able to use the MINITEX delivery system for the delivery and return of materials requested directly by one library from another. The results of the project are being evaluated.

Another pilot project has been to develop multiple levels of document delivery service based on the amount of time requesting libraries are willing to have MINITEX search for an item. Libraries indicate, for example, one level of request for items needed quickly by the patron on the understanding that fewer sources can be searched in the time allotted, while another request level is indicated for items which the patron wants despite possible delays due to the time needed for more thorough searching. This project was initiated to allow libraries to choose how MINITEX should handle their request based on time constraints, to even out the flow of work in the MINITEX office, and to enable the library to tell a patron when the material or a report on the request can be anticipated. Data on the turn-around time for each request level and for the whole document delivery service will be evaluated at the end of this project.

TABLE 3: DOCUMENT DELIVERY STATISTICS, THE NUMBER OF ITEMS REQUESTED AND PROVIDED, 1982-83

	Requests Rcd by MINITEX	% of Total	Requested Items Provided to MINITEX	% of Total
<u>MHECB</u>	112,959	64%	135,041	83%
University of Minnesota				
Twin Cities Campus	7,797		107,663 ^a	
Minn. Dept. of Health	580		364 ^a	
Minn. Historical Society	134		520	
Other (academic and state agency libraries)	104,448		26,494	
^a <u>LDS</u>	29,722	17%	13,000	8%
Minneapolis Public Library	1,888		9,143 ^a	
Other	27,834		3,857	
^a <u>North Dakota</u>	15,465	9%	3,051	2%
^a <u>South Dakota</u>	10,077	6%	1,638	1%
^a <u>Wisconsin</u>	7,409	4%	8,124	5%
^a <u>Illinois</u>	431	-	1,346	1%
^a <u>Canada</u>	134	-	209	-
^a <u>National Libraries</u>	-	-	59	-
^b <u>CRL</u>	-	-	24	-
^b <u>BLID</u>	-	-	287	-
	176,197	100%	162,779	100%

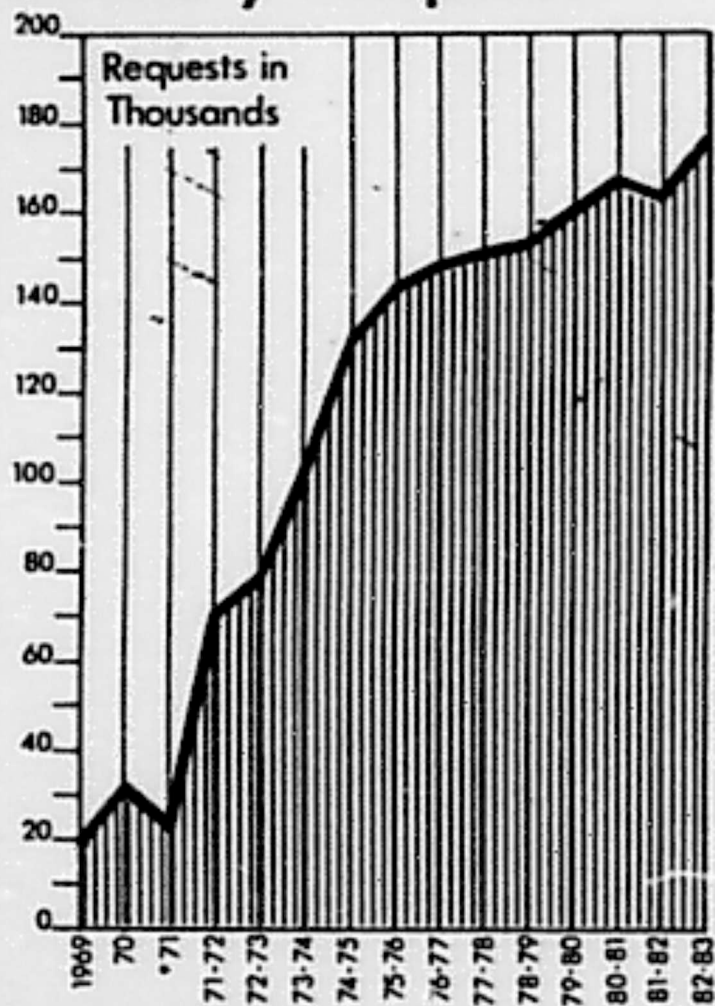
Percentage of requests filled 88.7%
 Percentage of requests for copy 69.6%
 Percentage of requests for loan 30.4%

^afilled requests processed by MINITEX staff
^acontract or reciprocal agreement
^bpurchase/membership

Source: MINITEX office.

FIGURE 1.

Document Delivery Requests



Jan. 1969 - June 1983

* indicates 6-month period only

Source: MINITEX office.

REFERENCE AND INFORMATION

The back-up reference service helps the librarian provide needed information to patrons--a name, address, statistic, formula, etc. Sometimes this information is available in libraries, sometimes in computer data bases, and sometimes through individuals knowledgeable in the subject area. Toll free WATS telephone lines enable librarians to discuss each request directly with MINITEX reference staff. MINITEX staff use all available resources, including the telephone and computer-assisted literature searching of subject data bases, to find the answers to a variety of reference questions.

- o During Fiscal Year 1983, 5,040 questions were answered by the reference staff.
- o This number constitutes an eight percent increase over the previous fiscal year.

Figure 2 indicates the number of questions received since this program began in 1974.

SERIALS EXCHANGE

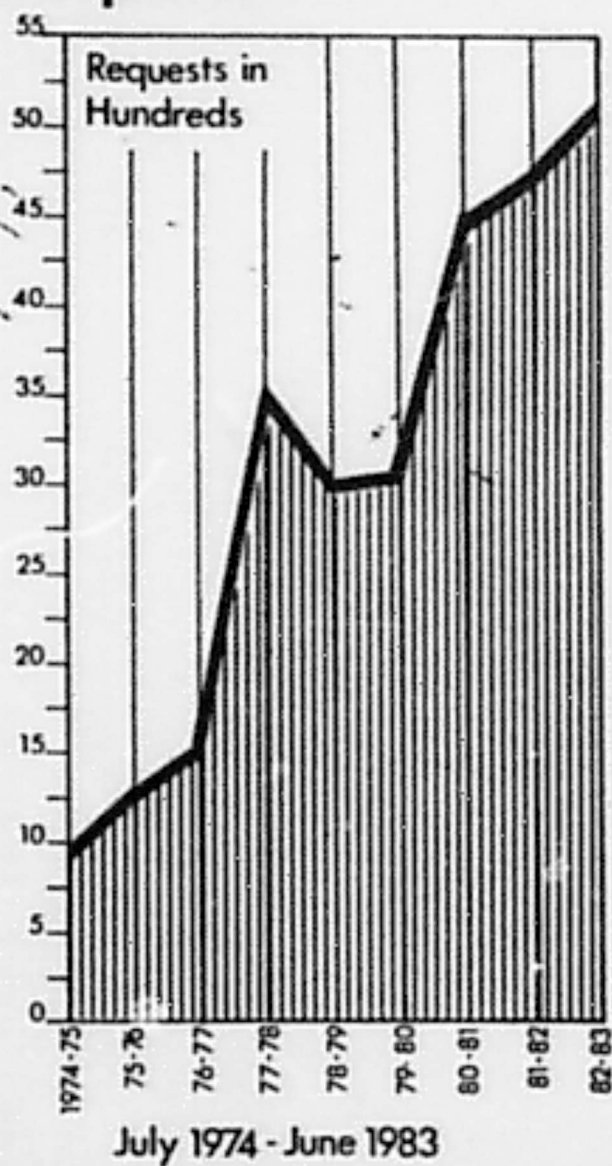
In this cooperative program with the University of Minnesota Twin Cities Libraries Gift and Exchange, libraries send duplicate and withdrawn issues of periodicals to MINITEX so that other libraries needing back issues or replacement copies may place requests and receive copies needed for their collections. Since 1974, librarians have sent approximately two million items, and over 210,000 of these were provided by MINITEX to other libraries.

- o During Fiscal Year 1983, librarians sent in 220,058 items which produced 27,314 needed items for participating libraries.

Table 4 shows the activities of this service the past three fiscal years:

FIGURE 2.

Reference Requests



Source: MINITEX office.

TABLE 4: SERIALS EXCHANGES, 1980-83

	<u>1982-83</u>	<u>1981-82</u>	<u>1980-81</u>
Received at the University	220,058	230,525	232,792
Provided to other libraries	27,314	23,129	30,744

THE MINNESOTA UNION LIST OF SERIALS (MULS)

The Minnesota Union List of Serials (MULS) is a machine-readable data base which contains over 126,000 titles representing periodical holdings of 386 academic, public, governmental, medical, seminary and other libraries in Minnesota, North Dakota, South Dakota, Wisconsin, and Iowa. MULS supports cataloging, resource sharing, and collection development. Originally used as the basis for CONSER (Conversion of Serials), a national online data base, it continues to contribute updated records for MINITEX libraries. Accurate, standardized descriptions of items owned, and knowledge of where each item is held are essential characteristics of the MINITEX bibliographic data bases.

- o During the 1983 fiscal year, the MULS staff expanded the data base of serials by adding 5,000 new titles and processing 40,000 update reports. The data base now includes 126,000 titles, 72,000 cross-references, and more than 525,000 holding locations.
- o An updated microfiche edition of MULS containing full bibliographic and library holding data was published and distributed to all participating libraries in Fiscal Year 1983.

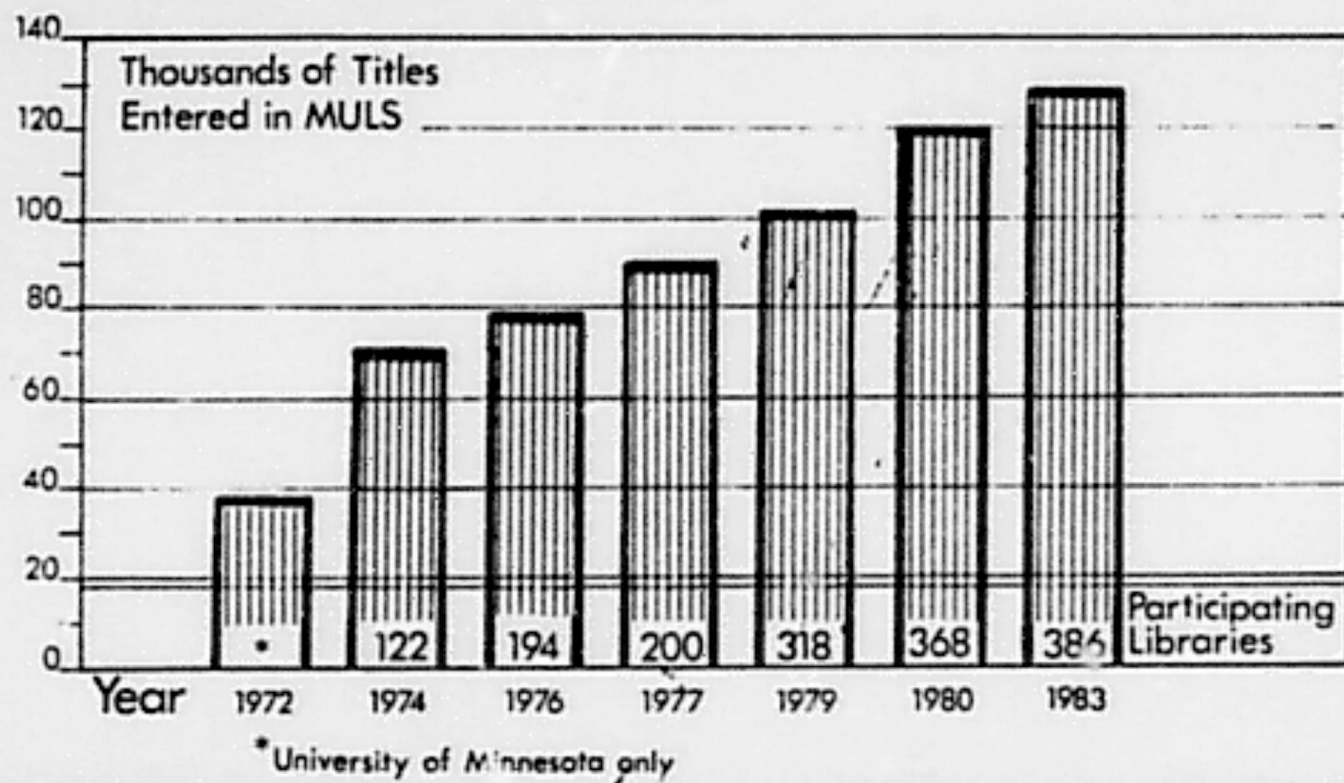
Figure 3 shows the change in the number of titles and participating institutions since 1972.

ONLINE CATALOGING SYSTEM

The Coordinating Board has a contract with OCLC, Inc., the nation's largest system for computer-assisted cataloging, to provide these services in Minnesota and its contiguous states.

FIGURE 3.

MULS Publications



Source: MINITEX office.

In 1975 two urgent concerns that needed to be addressed to insure effective and efficient delivery of library resources within their institutions and the network were identified: (1) the development of a machine-readable bibliographic data base for library materials use, and (2) the implementation of a systematic cataloging process to reduce costs and improve processing time.

With funds provided by the Bush Foundation, \$216,066 in July 1976 and \$134,980 in October 1977, together with \$88,000 of institutional grants from the Kellogg Foundation, an online cataloging system has been made available to many MINITEX participants to build a MINITEX Minnesota/North Dakota/South Dakota data base of library holdings. In addition, many participants are adding their previously cataloged holdings to the data base; this enhances increased resource sharing among libraries in MINITEX and provides local libraries with additional alternatives to the costly card catalog.

Computer-assisted cataloging by MINITEX libraries improves access to local library resources while it builds an online catalog of materials held in MINITEX libraries. This online catalog of materials, like the MMLS union list of periodicals, newspapers and serials, allows efficient identification and location of material needed by MINITEX library patrons.

- o During Fiscal Year 1983, the staff of 21 new libraries were trained on the OCLC system. Participating libraries added 28,700 new titles to the data base which now contains over six million machine-readable records. The 127 MINITEX libraries created approximately 1.1 million records during the year.
- o The total number of OCLC terminals reached 143 at 127 individual institutions.

OCLC has been increasingly available as Table 5 indicates.

TABLE 5: PARTICIPATION IN OCLC, 1980-83

	<u>1982-83</u>	<u>1981-82</u>	<u>1980-81</u>
Libraries	127	106	97
Terminals	143	118	110

RELATED SERVICES

MINITEX workshops, seminars and training sessions provide librarians with opportunities to learn from each other and to find new ways to realize the benefits of cooperation in providing service to library patrons. MINITEX has had workshops on automation, work flow, reference resources, computer-assisted cataloging, serials management, library instruction, and computer-assisted literature searching.

During Fiscal Year 1983 MINITEX provided the following:

- 20 Data base training sessions
- 4 Reference workshops/training sessions
- 21 OCLC cataloging start-up training sessions
- 4 OCLC interlibrary loan subsystem workshops
- 4 OCLC basic books format tagging sessions
- 6 Operator update sessions for OCLC participants
- 7 Other training workshops/sessions
- 200 Site visits by MULS, Document Delivery, Reference and OCLC Coordinators

Resources beyond Minnesota are accessible to MINITEX. A reciprocal system-to-system arrangement with Wisconsin Interlibrary Services (WILS) provides access to Wisconsin resources. A contract with the North Dakota State Library shares Minnesota and North Dakota resources, and a contract with the South Dakota State Library similarly permits access to South Dakota library resources.

CHAPTER VI. CONCLUSION

Throughout the last decade, the importance of MINITEX to individual libraries has grown not only because of increases in the number of participating libraries and the level of service, but also because of the fiscal constraints that have been placed on libraries.

Resource sharing is an efficient and important way of supplementing local resources and improving service to library patrons, but it is not intended to replace local collections. Individual collections are the heart of all libraries and all resource sharing activity. The local academic, public, or special library is the patron's first choice and the most appropriate place for library service. Every Minnesota library needs a basic collection to support its mission and recurring local needs. Support of individual libraries will enable them to develop the collections that best serve their students, faculties, and communities.

The collections development capability of individual libraries is enhanced by the MINITEX program of resource sharing for lesser-used items, cooperative processing, and statistical documentation of use. MINITEX aids resource sharing among Minnesota libraries, supplements local collections, and enables libraries to provide service which they could not offer independently.

APPENDICES

APPENDIX A: MINITEX PARTICIPATING LIBRARIES

Minnesota Academic Libraries

Anoka Area Voc-Tech Institute
 Anoka-Ramsey Community College
 Arrowhead Community College
 Hibbing Campus
 Itasca Campus
 Mesabi Campus
 Rainy River Campus
 Vermilion Campus
 Augsburg College
 Austin Area Voc-Tech Institute
 Austin Community College
 Bemidji State University
 Bethany Lutheran College
 Bethany Lutheran Seminary
 Bethel College
 Bethel Theological Seminary
 Brainerd Community College
 Carleton College
 College of St. Benedict
 College of St. Catherine
 College of St. Scholastica
 College of St. Teresa
 College of St. Thomas
 Concordia College, Moorhead
 Concordia College, St. Paul
 Dakota County Area Voc-Tech Institute
 Fergus Falls Community College
 Freshwater Biological Institute
 Golden Valley Lutheran College
 Gustavus Adolphus College
 Hamline University
 Bush Memorial Library
 Law Library
 Hennepin Technical Center, North
 Hennepin Technical Center, South
 Hormel Institute
 Inver Hills Community College
 Lakewood Community College
 Luther-Northwestern Seminary Libraries
 Macalester College
 Mankato Area Voc-Tech Institute
 Mankato State University
 Dr. Martin Luther College
 Mayo Clinic Library
 Minneapolis College of Art and Design
 Minneapolis Community College
 Moorhead State University
 Normandale Community College
 North Central Bible College
 North Hennepin Community College
 Northland Community College
 Northwestern College
 Red Wing Area Voc-Tech Institute
 Rochester Community College

Minnesota Academic Libraries

St. Cloud Area Voc-Tech Institute
 St. Cloud State University
 St. John's University
 St. Mary's College
 St. Mary's Junior College
 St. Olaf College
 St. Paul Bible College
 St. Paul Seminary
 Southwest State University
 United Theological Seminary of the
 Twin Cities Library
 University of Minnesota-Biomedical Library
 University of Minnesota-Law Library
 University of Minnesota-St. Paul Campus Lib.
 University of Minnesota-Wilson Library
 University of Minnesota-Duluth Campus Lib.
 University of Minnesota-Duluth Health
 Sciences Library
 University of Minnesota-Morris
 University of Minnesota Technical College-
 Crookston
 University of Minnesota Technical College-
 Waseca
 William Mitchell College of Law
 Willmar Community College
 Winona State University
 Worthington Community College
 916 Area Voc-Tech Institute

Minnesota State Agency Libraries

Iron Range Research Center
 Minnesota Attorney General's Office
 Minnesota Criminal Justice Program Library
 Minnesota Department of Economic Security
 Minnesota Department of Education
 Minnesota Department of Energy and
 Economic Development
 Minnesota Department of Health
 Minnesota Department of Public Welfare
 Minnesota Department of Transportation
 Minnesota Historical Society
 Minnesota Legislative Reference Library
 Minnesota Office of Library Development
 Services
 Minnesota Pollution Control Agency
 Minnesota State Law Library
 Minnesota Zoological Gardens

Minnesota Public Libraries

Anoka County Library
 Austin Public Library
 Carver County Library System
 Dakota County Library System
 Duluth Public Library

Minnesota Public Libraries

East Central Regional Library
Great River Regional Library
Hennepin County Library
Kitchigami Regional Library
Lake Agassiz Regional Library
Marshall-Lyon County Library
Minneapolis Public Library and
Information Center
Nobles County Library and Infor-
mation Center
Northwest Regional Library
Pioneerland Library System
Ramsey County Public Library
Rochester Public Library
St. Paul Public Library
Scott County Library System
Traverse des Sioux Library System
Viking Library System
Virginia Public Library
Washington County Library
Winona Public Library

Other Minnesota Libraries

*Abbott-Northwestern Hospital Library
*Bethesda Lutheran Hospital Library
*Children's Hospital Library
*Fairview Hospital Library
Fairview-Deaconess Hospital Library
*Golden Valley Health Center Library
*Hennepin County Medical Center
James J. Hill Reference Library
*Mercy Medical Center Library
*Methodist Hospital Library
Midway Hospital Library
*Mount Sinai Hospital Library
North Central Forest Experiment Station
*North Memorial Medical Center Library
*Ramsey County Medical Society/United in up.
*St. John's Hospital Library
*St. Joseph's Hospital Library
*St. Louis Park Medical Center Library
*St. Mary's Hospital Library
*St. Paul Ramsey Hospital
U.S. Environmental Protection Agency
U.S. Fish and Wildlife Service
*Unity Hospital Library
*Veteran's Administration Hospital
Walker Public School

*partial NINETEX service

North Dakota Libraries

North Dakota State Library
North Dakota State University
University of North Dakota-Chester Fritz Lib
University of North Dakota-Harley E French
Medical Library
University of North Dakota-Thormodsgard
Law Library

South Dakota Libraries

Alexander Mitchell Public Library
Black Hills State College
Dakota State College
Northern State College
Rapid City Public Library
Sioux Falls College
Sioux Falls Public Library
South Dakota School of Mines and Technology
South Dakota State Library
South Dakota State University
University of South Dakota, Springfield
University of South Dakota-L.D. Weeks Lib.
University of South Dakota-Loomen Health
Sciences Library
Veteran's Administration Medical Center

Wisconsin Libraries

Wisconsin Interlibrary Services-
University of Wisconsin
Wisconsin Reference and Loan Library

Canadian Library

Lakehead University

APPENDIX B: HISTORY OF MINITEX ACTIVITIES, JANUARY 1969-JUNE 1983

Year	Period	Funding	Comments	Delivery	Books/MSL	Books/MSL	Document Delivery	Reference	Serials Exchange	Training/ Skills Development	Governance	Regional Ref/ Contracts/ Memberships	Access to Resources	Grants
2010-2011	11		11 Yrs				10,000							\$ 25,000 MSL \$ 25,000 MSL \$ 25,000 MSL \$ 25,000 MSL
2011-2012	12	\$ 25,000 U of N \$ 25,000 MSL	12 Yrs				21,576							
2012-2013	13	\$ 25,000 MSL \$ 25,000 MSL	13 Yrs		MSL position 1 unit. 25,000 titles		71,303							
2013-2014	14	\$ 25,000 MSL \$ 25,000 MSL	14 Yrs				71,303							
2014-2015	15	\$ 25,000 MSL \$ 25,000 MSL	15 Yrs				71,303							
2015-2016	16	\$ 25,000 MSL \$ 25,000 MSL	16 Yrs				71,303							
2016-2017	17	\$ 25,000 MSL \$ 25,000 MSL	17 Yrs				71,303							
2017-2018	18	\$ 25,000 MSL \$ 25,000 MSL	18 Yrs				71,303							
2018-2019	19	\$ 25,000 MSL \$ 25,000 MSL	19 Yrs				71,303							
2019-2020	20	\$ 25,000 MSL \$ 25,000 MSL	20 Yrs				71,303							
2020-2021	21	\$ 25,000 MSL \$ 25,000 MSL	21 Yrs				71,303							
2021-2022	22	\$ 25,000 MSL \$ 25,000 MSL	22 Yrs				71,303							
2022-2023	23	\$ 25,000 MSL \$ 25,000 MSL	23 Yrs				71,303							
2023-2024	24	\$ 25,000 MSL \$ 25,000 MSL	24 Yrs				71,303							
2024-2025	25	\$ 25,000 MSL \$ 25,000 MSL	25 Yrs				71,303							
2025-2026	26	\$ 25,000 MSL \$ 25,000 MSL	26 Yrs				71,303							
2026-2027	27	\$ 25,000 MSL \$ 25,000 MSL	27 Yrs				71,303							
2027-2028	28	\$ 25,000 MSL \$ 25,000 MSL	28 Yrs				71,303							
2028-2029	29	\$ 25,000 MSL \$ 25,000 MSL	29 Yrs				71,303							
2029-2030	30	\$ 25,000 MSL \$ 25,000 MSL	30 Yrs				71,303							
2030-2031	31	\$ 25,000 MSL \$ 25,000 MSL	31 Yrs				71,303							
2031-2032	32	\$ 25,000 MSL \$ 25,000 MSL	32 Yrs				71,303							
2032-2033	33	\$ 25,000 MSL \$ 25,000 MSL	33 Yrs				71,303							
2033-2034	34	\$ 25,000 MSL \$ 25,000 MSL	34 Yrs				71,303							
2034-2035	35	\$ 25,000 MSL \$ 25,000 MSL	35 Yrs				71,303							
2035-2036	36	\$ 25,000 MSL \$ 25,000 MSL	36 Yrs				71,303							
2036-2037	37	\$ 25,000 MSL \$ 25,000 MSL	37 Yrs				71,303							
2037-2038	38	\$ 25,000 MSL \$ 25,000 MSL	38 Yrs				71,303							
2038-2039	39	\$ 25,000 MSL \$ 25,000 MSL	39 Yrs				71,303							
2039-2040	40	\$ 25,000 MSL \$ 25,000 MSL	40 Yrs				71,303							
2040-2041	41	\$ 25,000 MSL \$ 25,000 MSL	41 Yrs				71,303							
2041-2042	42	\$ 25,000 MSL \$ 25,000 MSL	42 Yrs				71,303							
2042-2043	43	\$ 25,000 MSL \$ 25,000 MSL	43 Yrs				71,303							
2043-2044	44	\$ 25,000 MSL \$ 25,000 MSL	44 Yrs				71,303							
2044-2045	45	\$ 25,000 MSL \$ 25,000 MSL	45 Yrs				71,303							
2045-2046	46	\$ 25,000 MSL \$ 25,000 MSL	46 Yrs				71,303							
2046-2047	47	\$ 25,000 MSL \$ 25,000 MSL	47 Yrs				71,303							
2047-2048	48	\$ 25,000 MSL \$ 25,000 MSL	48 Yrs				71,303							
2048-2049	49	\$ 25,000 MSL \$ 25,000 MSL	49 Yrs				71,303							
2049-2050	50	\$ 25,000 MSL \$ 25,000 MSL	50 Yrs				71,303							
2050-2051	51	\$ 25,000 MSL \$ 25,000 MSL	51 Yrs				71,303							
2051-2052	52	\$ 25,000 MSL \$ 25,000 MSL	52 Yrs				71,303							
2052-2053	53	\$ 25,000 MSL \$ 25,000 MSL	53 Yrs				71,303							
2053-2054	54	\$ 25,000 MSL \$ 25,000 MSL	54 Yrs				71,303							
2054-2055	55	\$ 25,000 MSL \$ 25,000 MSL	55 Yrs				71,303							
2055-2056	56	\$ 25,000 MSL \$ 25,000 MSL	56 Yrs				71,303							
2056-2057	57	\$ 25,000 MSL \$ 25,000 MSL	57 Yrs				71,303							
2057-2058	58	\$ 25,000 MSL \$ 25,000 MSL	58 Yrs				71,303							
2058-2059	59	\$ 25,000 MSL \$ 25,000 MSL	59 Yrs				71,303							
2059-2060	60	\$ 25,000 MSL \$ 25,000 MSL	60 Yrs				71,303							
2060-2061	61	\$ 25,000 MSL \$ 25,000 MSL	61 Yrs				71,303							
2061-2062	62	\$ 25,000 MSL \$ 25,000 MSL	62 Yrs				71,303							
2062-2063	63	\$ 25,000 MSL \$ 25,000 MSL	63 Yrs				71,303							
2063-2064	64	\$ 25,000 MSL \$ 25,000 MSL	64 Yrs				71,303							
2064-2065	65	\$ 25,000 MSL \$ 25,000 MSL	65 Yrs				71,303							
2065-2066	66	\$ 25,000 MSL \$ 25,000 MSL	66 Yrs				71,303							
2066-2067	67	\$ 25,000 MSL \$ 25,000 MSL	67 Yrs				71,303							
2067-2068	68	\$ 25,000 MSL \$ 25,000 MSL	68 Yrs				71,303							
2068-2069	69	\$ 25,000 MSL \$ 25,000 MSL	69 Yrs				71,303							
2069-2070	70	\$ 25,000 MSL \$ 25,000 MSL	70 Yrs				71,303							
2070-2071	71	\$ 25,000 MSL \$ 25,000 MSL	71 Yrs				71,303							
2071-2072	72	\$ 25,000 MSL \$ 25,000 MSL	72 Yrs				71,303							
2072-2073	73	\$ 25,000 MSL \$ 25,000 MSL	73 Yrs				71,303							
2073-2074	74	\$ 25,000 MSL \$ 25,000 MSL	74 Yrs				71,303							
2074-2075	75	\$ 25,000 MSL \$ 25,000 MSL	75 Yrs				71,303							
2075-2076	76	\$ 25,000 MSL \$ 25,000 MSL	76 Yrs				71,303							
2076-2077	77	\$ 25,000 MSL \$ 25,000 MSL	77 Yrs				71,303							
2077-2078	78	\$ 25,000 MSL \$ 25,000 MSL	78 Yrs				71,303							
2078-2079	79	\$ 25,000 MSL \$ 25,000 MSL	79 Yrs				71,303							
2079-2080	80	\$ 25,000 MSL \$ 25,000 MSL	80 Yrs				71,303							
2080-2081	81	\$ 25,000 MSL \$ 25,000 MSL	81 Yrs				71,303							
2081-2082	82	\$ 25,000 MSL \$ 25,000 MSL	82 Yrs				71,303							
2082-2083	83	\$ 25,000 MSL \$ 25,000 MSL	83 Yrs				71,303							
2083-2084	84	\$ 25,000 MSL \$ 25,000 MSL	84 Yrs				71,303							
2084-2085	85	\$ 25,000 MSL \$ 25,000 MSL	85 Yrs				71,303							
2085-2086	86	\$ 25,000 MSL \$ 25,000 MSL	86 Yrs				71,303							
2086-2087	87	\$ 25,000 MSL \$ 25,000 MSL	87 Yrs				71,303							
2087-2088	88	\$ 25,000 MSL \$ 25,000 MSL	88 Yrs				71,303							
2088-2089	89	\$ 25,000 MSL \$ 25,000 MSL	89 Yrs				71,303							
2089-2090	90	\$ 25,000 MSL \$ 25,000 MSL	90 Yrs				71,303							
2090-2091	91	\$ 25,000 MSL \$ 25,000 MSL	91 Yrs				71,303							
2091-2092	92	\$ 25,000 MSL \$ 25,000 MSL	92 Yrs				71,303							
2092-2093	93	\$ 25,000 MSL \$ 25,000 MSL	93 Yrs				71,303							
2093-2094	94	\$ 25,000 MSL \$ 25,000 MSL	94 Yrs				71,303							
2094-2095	95	\$ 25,000 MSL \$ 25,000 MSL	95 Yrs				71,303							
2095-2096	96	\$ 25,000 MSL \$ 25,000 MSL	96 Yrs				71,303							
2096-2097	97	\$ 25,000 MSL \$ 25,000 MSL	97 Yrs				71,303							
2097-2098	98	\$ 25,000 MSL \$ 25,000 MSL	98 Yrs				71,303							
2098-2099	99	\$ 25,000 MSL \$ 25,000 MSL	99 Yrs				71,303							
2099-2100	100	\$ 25,000 MSL \$ 25,000 MSL	100 Yrs				71,303							

[illegible]

APPENDIX C: MINITEX ADVISORY COMMITTEE

Cheryl Anderson-Laid
St. Paul Public Library
90 West 4th Street
St. Paul, MN 55102
612/292-6210
- city and city/county
libraries

Jerry Baldwin
Library Supervisor
Department of Transportation
Room B-26A
Transportation Building
St. Paul, MN 55155
612/296-2385
- state agency libraries

Mona Carmack, Director
Great River Regional Library
405 St. Germain
St. Cloud, MN 56301
612/251-7282
- regional system libraries

Russell DuBois, Head Librarian
Room 234/Rodney Briggs Library
University of Minn., Morris
Morris, MN 56267
612/589-2221 or 6180
-um/coordinate campuses

Virgil Massman
James J. Hill Reference Lib.
80 West 4th Street
St. Paul, MN 55102
612/227-9531
- private colleges

Judy McDonald
A.C. Clark Library
Bemidji State University
Bemidji, MN 56601
218/755-2955
- state universities

Karen Pollak
Instructional Materials Center
Hennepin Technical Centers
9000 Brooklyn Boulevard
Brooklyn Center, MN 55445
612/425-3800
- area voc-tech institutes

Judy Rosetta
Library
Northland Community College
Clearwater Comm. Coll. Region
Highway 1 East
Thief River Falls, MN 56701
218/681-2181 Ext. 51
- community colleges

Eldred Smith, Director
University Libraries
University of Minnesota
499 Wilson Library
309 19th Avenue, South
Minneapolis, MN 55455
612/373-3097
- um/twin cities campus

Jan Williams, Director
Scott County Library System
428 South Holmes
Shakopee, MN 55379
612/445-7750
- county libraries

Clarence Coffindaffer
South Dakota State Library
800 North Illinois
Pierre, South Dakota 57501
605/773-3131

Ruth Mahan
State Librarian
North Dakota State Library
Highway 83 North
Bismarck, North Dakota 58505
701/224-2492

Ex-Officio:

Bill Asp, Director
Office of Public Libraries and
Interlibrary Cooperation
440 Capitol Square Building
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612/296-2801

Ann Kelley
Minnesota Higher Education
Coordinating Board
400 Capitol Square Building
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612/296-9672

Charlene Mason
MINITEX
University of Minnesota
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Minneapolis, MN 55455
612/373-3097

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Academic Administration
University of Minnesota
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