

# MINITEX M MESSENGER

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Minnesota Interlibrary Telecommunications Exchange Wilson Library,  
309 19th Avenue S., University of Minnesota Minneapolis, Minnesota 55455

## 1981/1982 MINITEX Status Report

### I. Introduction

The Minnesota Interlibrary Telecommunications Exchange (MINITEX), is a network of academic, public, governmental and medical 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 157 libraries in Minnesota, North Dakota, South Dakota and Wisconsin and has five programs: 1) document delivery, 2) a common union list of serials, 3) a telephone reference service, 4) online union catalog and cataloging, and 5) serials exchange, jointly with the University of Minnesota Twin Cities Libraries. This report describes the background and programs of MINITEX.

### II. Background

In 1969 MINITEX was jointly funded by the Louis W. and Maud Hill Family Foundation and state and federal (Library Services and Construction Act Title II) monies. It used the 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 out-state users 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:

- publication of seven MULS: A Union List of Serials,
- participation in the OCLC (Online Computer Library Center) online cataloging system since 1976, and
- negotiation of contracts or reciprocal agreements with the Office of Public Libraries and Interlibrary Cooperation (OPLIC), 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 program experienced rapid growth in the number of requests for materials as the number of participating libraries increased and as libraries and library users became aware of the MINITEX services. In 1969 the University of Minnesota Twin Cities campus provided 100% of the delivered items. More recently, document requests have leveled off, and 35% 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. An outline of MINITEX participation, funding, costs and programs since 1969 is attached to this report.

### III. Program Administration

The Coordinating Board contracts with the University of Minnesota for MINITEX services. A staff of 15 plus the equivalent of 16 full-time students work at the MINITEX office in Wilson Library. Coordinating Board staff, working with an advisory committee appointed by the MHECB executive director, develop policy.

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 service patrons directly. It is a facilitating agency.

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 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% 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, telecommunication, formats, etc.) should be uniformly adopted in the development of any programs or systems. Programs should be developed with flexibility so they can be expanded to inte-

grate 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.

#### IV. MINITEX Programs

MINITEX services are delivered to 157 participating libraries through its five component 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 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 Center for Research Libraries, 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. Seventy-five percent of the material sought through MINITEX is provided to the local library on the second working day.

- During 1981-82, 163,104 document requests were transmitted to MINITEX

- 144,835 (88.8%) were delivered to libraries for their patrons.

The following chart shows trends for the last three years:

	Items Requested	Items Provided (%)
1981-82	163,104	144,836 (88.8%)
1980-81	168,839	149,512 (88.6%)
1979-80	160,609	142,137 (88.4%)

##### Reference and Information

The back-up reference service helps the librarian provide needed information to patrons-- a name, address, statistic, formula, etc. Some-

times this information is available in libraries, sometimes in computer databases, 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 databases, to find the answers to a variety of reference questions.

- During 1981-82, 4,666 questions were answered by the reference staff.

- This number constitutes a 6.6% increase over the previous fiscal year. The following indicates the number of questions received over the last three years:

	1981-82	1980-81	1979-80
Questions received by MINITEX	4,666	4,376	3,026

##### 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 1.7 million items, and over 185,000 of these were provided by MINITEX to other libraries.

- During fiscal year 1982, librarians sent in 230,525 items which produced 23,129 needed items for participating libraries.

The following shows the activities of this service in the past three fiscal years:

	1981-82	1980-81	1979-80
Received at the University	230,525	232,792	223,676
Provided to Other Libraries	23,129	30,744	23,403

##### MULS: A Union List of Serials

MULS is a machine-readable database which contains over 125,000 titles representing periodical holdings of 371 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. It is a major contributor to CONSER (Conversion of Serials), a national on-line database. Accurate, standardized descriptions of items owned, and knowledge of where each item is held are essential characteristics of the MINITEX bibliographic databases.

- During the 1982 fiscal year, the MULS staff expanded the database of serials by adding 5,000 new titles and processing 40,000 update reports. The database now includes 125,000 titles, 97,000 cross-references, and more than 525,000 holding locations.

##### OCLC

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

In 1975 the Minnesota Council of Academic Library Directors identified two urgent concerns which needed to be addressed to insure effective and efficient delivery of library resources within their institutions and the network: 1) the development of a machine-readable bibliographic

database for library materials use; and 2) the implementation of a systematic cataloging process to reduce costs and improve processing time. The Council formally requested that the Coordinating Board and MINITEX negotiate an agreement with OCLC, Inc. for services to MINITEX libraries and seek foundation funding to assist in the implementation. The Coordinating Board submitted a grant proposal and negotiated a contract with OCLC.

The funds provided by the Bush Foundation, \$215,066 in July 1976 and \$134,980 in October 1977, together with \$88,000 of institutional grants from the Kellogg Foundation, have assisted in making an online cataloging system available to many MINITEX participants to build a MINITEX Minnesota/North Dakota/South Dakota database of library holdings. The MHECB/OCLC contract was renewed in 1979 for an indefinite period. In addition, many participants are adding their previously cataloged holdings to the database which will enhance increased resource sharing among libraries in MINITEX and provide 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 books held in MINITEX libraries. This online catalog of books, like the MULS union list of periodicals, newspapers and serials, allows efficient identification and location of material needed by MINITEX library patrons.

- During the 1981-82 year, nine new libraries were trained on the OCLC system. Participating libraries added 27,000 unique titles to the database which now contains 4.9 million machine-readable records. The 106 MINITEX libraries created approximately 1.1 million records during the year. In addition, Wisconsin libraries have over 2 million OCLC records making over 7 million records accessible on line and available through resource sharing agreements.

- The total number of OCLC terminals reached 118 at 106 individual institutions.

OCLC has been increasingly available as the following indicates:

	1981-82	1980-81	1979-80
Libraries	106	97	84
Terminals	118	110	91

#### 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 1981-82 MINITEX provided the following:

- 7 Database training sessions
- 4 Reference workshops/training sessions
- 8 OCLC cataloging workshops
- 2 OCLC interlibrary loan subsystem workshops
- 2 OCLC basic books format tagging sessions
- 3 Operator update sessions for OCLC participants

- 6 Telecommunications training sessions
- 393 Site visits

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. During the year, MINITEX participated in a successful MIDLNET pilot project including WILS, the University of Illinois, and the Illinois State Library.

#### V. Conclusion

While everyone is aware of inflation, two tables in Appendix 5, Figures 1 and 2, dramatically indicate the devastating impact on libraries. Appendix 5, Figure 1, How Prices Rose 1967-1981, shows that while books increased by 190%, roughly the same as run away medical costs, periodicals rose by 351%. Year-by-year increases are detailed in Figure 2. These correlate with MINITEX OCLC activity levels as shown in Appendix 6.

In 1978-79, with 65 OCLC libraries, billable first time uses (FTUs) representing new titles began to level off and four years later, in 1982 with 106 OCLC libraries, the number of FTUs was nearly constant. Materials budgets are constrained and the average price per book had jumped from \$19.22 to \$25.48.

The Twin Cities metropolitan area has over 7 million cumulative titles in its libraries. In the three-state area (Minnesota, North Dakota, South Dakota) there are significant resources. Appendix 7 indicates the cumulative unique titles and the number of records contributed to and readily available in common databases, OCLC and MULS. The St. Cloud, Moorhead/Fargo, and Mankato areas all have nearly three-quarter million titles. Once a needed item is identified on MULS or OCLC it can easily be requested and rapidly delivered via the MINITEX telecommunications and delivery systems, or patrons can be directed to the holding institution. 28,000 items are expeditiously shared annually in the Moorhead/Fargo area.

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 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 which best serve their communities.

The collection 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 facilitates resource sharing among Minnesota libraries, supplements local collections, and enables libraries to provide service which they could not offer independently.

## MINITEX PROGRAM HISTORY

January 1969 - June 1982

Appendix 1

Dates	Participants	Funding	Communications	Delivery	Biblio/MULS	Biblio/OCLC	Doc. Delivery	Reference	Serials Exchange	Training/Skills Development	Governance	Reciprocal Arr/Contracts/Memberships	Access to Resources	Grants
Ja-Del1969	11		11 TWX				19,993							\$25,800 Hill
Ja-Del1970	15		11 TWX				31,359							\$25,800 OPLIC \$25,800 Hill \$25,800 OPLIC
Ja71-Je71	16	\$25,000 U of M State Coll Bd	12 TWX				23,576							
J171-Je72	43	\$150,000 HECB \$ 95,731 OPLIC	34 TWX		MULS prelim.ed 3 vols 38,000 titles		71,353				5 elected ) 4 ex of ) Advisory Annual Meeting	OPLIC contract WILS (Wisconsin reciprocal)	Participants agree to share re- sources Wisconsin	
J172-Je73	66	\$150,000 HECB \$ 95,246 OPLIC	42 TWX 15 MERITTS				79,254			Reference Workshop	Annual Meeting			
J173-Je74	90	\$248,600 HECB \$135,246 OPLIC	50 TWX 15 MERITTS WATS phone Messenger	5 couriers			100,111			3 Reference Weeks 2 Online subj. search workshops	7 elected ) 4 ex of ) Advisory Annual meeting		CRL ACM expt. (6 mos)	\$20,000 OPLIC
J174-Je75	136	\$248,600 HECB \$ 72,000 OPLIC \$ 21,500 NoDak	52 TWX 15 MECC	7 couriers	ACK* MULS 1st ed. 5 vols 71,000 titles 120 libraries		129,118	861	145,000 rec'd 10,068 pro'd	5 Reference weeks 7 Reference days	Annual meeting	North Dakota (contract) MIDLNET, CCLN (memberships) CONSER(partic)	No Dakota	
J175-Je76	146	\$350,000 HECB \$120,000 OPLIC \$ 21,500	52 TWX 15 MECC	7 couriers	NDULS MULS fiche ed.		144,436	1,249	216,623 rec'd 25,259 pro'd	4 Everyman's Guide to the Whole Library (U of M Extension course)			BLLD	
J176-Je77	146	\$350,000 HECB \$120,000 OPLIC \$ 32,500 NoDak \$ 28,500 Mont.	52 TWX 15 MECC	7 couriers	ULMS (Mont.) MULS Fiche ed.	31 libraries 34 terminals 100,000 holdings	149,104	1,470	226,820 rec'd 25,259 pro'd	6 OCLC training Wkshps 2 OCLC cat user groups OCLC auto/stats wkshp 6 Everyman's Guide...	10 elected ) 4 ex of ) Advisory* 7 Advisory mtgs Annual meeting	National Libraries: LC,NLM,NAL	\$216,000 Bush \$ 88,000 Kel- logg	
J177-Je78	150	\$400,000 HECB \$135,000 OPLIC \$ 30,000 NoDak	50 TWX 15 MECC 1 UCC 1 TI	7 couriers	MULS 2nd ed. 7 vols 90,000 titles 200 libraries SMULS	56 libraries 53 terminals 1 million holdings	151,299	3,319	236,868 rec'd 24,135 pro'd	8 OCLC training wkshps 12 regional copyright 3 Cat. Users Group mtg OCLC Workflow workshop 2 Ref. Users Group mtg 6 Everyman's Guide...	6 Advisory mtgs Annual meeting	South Dakota (contract)	So Dakota	\$139,980 Busn (including \$25,000 for SD Union List of Serials
J178-Je79	154	\$425,000 HECB \$135,000 OPLIC \$ 30,000 NoDak \$ 33,325 SoDak \$ 48,750 Wisc	44 TWX 15 MECC 3 UCC 4 TER	8 couriers	MULS 2nd ed. rev-fiche 101,007 titles 318 libraries	66 libraries 72 terminals 1,800,000 holdings	152,007	2,973	216,963 rec'd 21,538 pro'd	6 OCLC training wkshps 3 cat users groups 3 regional mtgs 1 SD training mtg 2 ref users support 2 data base trng mtgs 6 Everyman's Guide...	5 Advisory mtgs Annual Meeting	Colleges of Mid America	\$ 32,469 NSF	
J179-Je80	158	\$475,000 HECB \$144,000 OPLIC \$ 40,000 NoDak \$ 40,000 SoDak \$ 49,500 WULS \$ 35,750 IULS	35 TWX 15 MECC 3 UCC 12 300/1200 terms. 2 OCLC	8 couriers	Adding Iowa & Wisc holdings 3rd ed. in 1980 375 libraries 110,000 titles MULS Manual	84 libraries 91 terminals 2,800,000 holdings	160,609	3,026	223,676 rec'd 25,403 pro'd	5 OCLC Cat Users Group 3 OCLC Ill Wkshps 1 Ref Resources Wkshp 1 Bib Instruction Wkshp 3 Regional Ref mtgs 13 database training 3 Everyman's Guide... 241 site visits	5 Advisory mtgs			
J180-Je81	158	\$515,000 HECB 129,500 OPLIC 46,556 NoDak 42,800 SoDak 22,793 WULS 16,750 IULS	4 TWX 15 MECC 1 UCC 56 300/1200 terms. 2 OCLC	8 couriers	MULS 3rd ed. published 368 libraries 120,000 titles	97 libraries 110 terminals 3.8 million holdings	168,839	4,376	232,792 rec'd 30,744 pro'd	16 OCLC reg. mtgs 2 AACR2 wkshps 3 OCLC Cat. wkshps 2 OCLC ILL wkshps 17 Data Base trng 14 Reg. Ref. mtgs 5 Census wkshps 37 telecomm trng 257 site visits	2 Advisory mtgs			
J181-Je82	157	\$557,900 HECB 137,000 OPLIC 57,390 NoDak 49,721 SoDak	4 TWX 15 MECC 1 UCC 62 300/1200 terms. 2 OCLC	8 Couriers	MULS database contains 125,000 titles 371 libraries 5,000 new titles added	106 libraries 118 terminals 4.9 million holdings ----- LC-MN Name Authority File	163,104	4,666	230,525 rec'd 23,120 pro'd	7 Database trng 4 Ref. wkshps/trng 8 OCLC Cat. wkshps 2 OCLC Ill. wkshps 2 OCLC Tagging wkshps 3 Operator Update ses. 6 Telecomm trng 393 Site visits		MIDLNET Pilot Proj. U of Ill., Ill. State Library		

MINITEX DOCUMENT DELIVERY STATISTICS 1981/82

Appendix 2

	Items Requested	% of Total	Items Provided	% of Total
University of Minnesota (22,233)				
Twin Cities Campus	8,767	5.4	96,425*	66.5
Coordinate Campuses	13,466	8.3	1,953	1.4
AVTI's	921	.6	12	-
Community Colleges	11,822	7.3	347	.2
Federal Libraries ( 821)				
North Central Forest Exper Station	--	-	--*	-
Other	821	.5	60	-
High School	33	-	--	-
Hospitals	4,302	2.6	721	.5
J.J. Hill Reference Library	3,266	2.0	1,205	.8
Mayo Clinic	728	.5	1,007	.7
Private Colleges	28,912	17.7	7,851	5.4
Public Libraries (25,717)				
Minneapolis Public Lib & Info Ctr	1,675	1.0	7,733*	5.3
Other	24,042	14.8	2,764	2.0
Seminaries	164	.1	352	.3
State Agencies ( 8,456)				
MN Historical Society	223	.1	671*	.5
State Board of Health	555	.3	294*	.2
State Law Library	15	-	15*	-
Other	7,663	4.7	501	.4
State Universities	26,554	16.3	5,543	3.8
Wm Mitchell School of Law	242	.1	216	.2
**Canada	51	-	74	-
**North Dakota	13,974	8.6	2,807	1.9
**South Dakota	8,186	5.0	1,481	1.0
**Wisconsin Interlibrary Services	6,507	4.0	11,103	7.7
**Univ of Illinois/Illinois State Library (MIDLNET Pilot Project)	215	.1	770	.5
***Center for Research Libraries			259	.2
****British Library, Lending Division			643	.4
National Libraries			29	-
TOTAL	163,104	100.0	144,836	100.0

MINITEX Serials Exchange Program received 230,524 items; provided 23,129.

% of requests filled	88.8	144,836
% of requests for copy	80.2	116,158
% of requests for loan	19.8	28,678
% filled at U of M, Twin Cities Campus	66.5	96,425
% processed by MINITEX staff	72.5	105,138
% processed by Minnesota participants	15.6	22,532
% processed by contract and reciprocal agreement	11.2	16,264
% processed by purchase/membership	.6	902

- \*retrieved and processed by MINITEX staff
- \*\*contract or reciprocal agreements
- \*\*\*membership
- \*\*\*\*purchase/membership

note: Number of Items Provided figured on fill rate percentage of items referred.

# MINITEX OCLC

Appendix 3



MINITEX Financial Statement  
July 1, 1981 through June 30, 1982

INCOME

MN Higher Education Coordinating Board	\$557,900.00
Office of Public Libraries & Interlibrary Cooperation	137,000.00
North Dakota	57,390.50
South Dakota	49,721.50
Workshops	450.00*
	<u>\$802,462.00</u>

EXPENDITURES

DOCUMENT DELIVERY		\$470,827.33
Personnel & Fringe Benefits	\$331,119.67	
Communications	22,631.85	
Delivery	52,209.91	
Photocopy	40,259.27	
Supplies & Equipment	12,661.46	
Meetings & Travel	6,745.86	
Workshops	376.84	
MULS distribution	2,700.00	
Lost Books	1,022.47	
Memberships	1,100.00	
 MULS		 \$182,768.62
Personnel & Fringe Benefits	\$ 65,954.98	
Production	102,905.49	
Supplies & Equipment	2,018.76	
Communications	118.09	
Photocopy, Documentation & Mail	208.87	
Meetings & Travel	762.20	
Inventory depletion	10,800.23	
 REFERENCE		 \$ 65,303.13
Personnel & Fringe Benefits	\$ 49,533.55	
Communications	3,934.84	
Supplies, Photocopy & Mail	450.03	
Searches	10,136.14	
Meetings & Travel	1,248.57	
 OCLC		 \$ 47,662.92
Personnel & Fringe Benefits	\$ 35,571.08	
Photocopy, Documentation & Mail	1,915.68	
Communications	1,052.73	
Meetings & Travel	9,123.43	
 SERIALS EXCHANGE PROGRAM		 \$ 27,900.00
 COLLECTION DEVELOPMENT		 \$ 8,000.00 <u>\$802,462.00</u>

\* denotes receivables

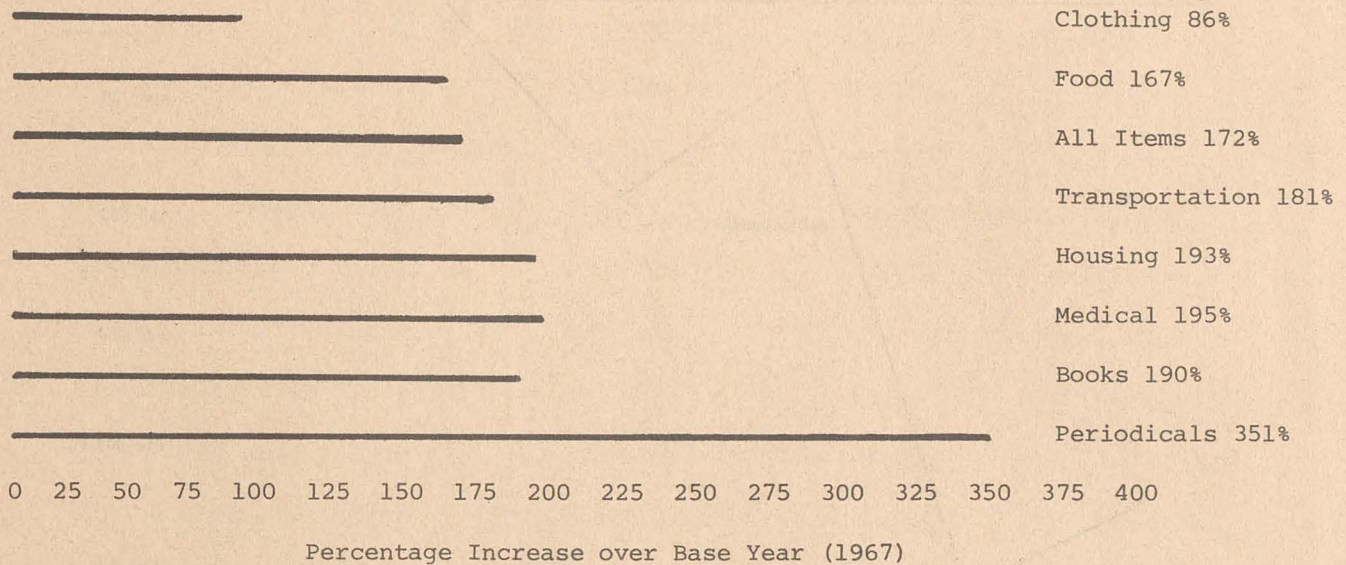
## MINITEX Inventory Report

July 1, 1981 through June 30, 1982

Inventory status 6/30/81	\$85,836
80/81 North Dakota contract balancing	7,167
MULS Sales and Distribution	19,680
MULS Sales receivables	1,500
Inventory depletion	<u>10,800</u>
	<u>\$46,689</u>



How Prices Rose 1967-1981  
(1967=100 and/or Zero Percent)



## Source:

"Price Data," *Monthly Labor Review*, June 1982.

"Price Indexes for 1981," *Library Journal*, July, 1981.

"1981 Title Output and Average Prices," *Publishers Weekly*, March 12, 1982.

*The Bowker Annual of Library Book Trade Information*, 1968-1980.

Average Price of U.S. Periodicals:  
1967-1981  
(Index of 100.0 equivalent to  
average prices for 1967-1969)

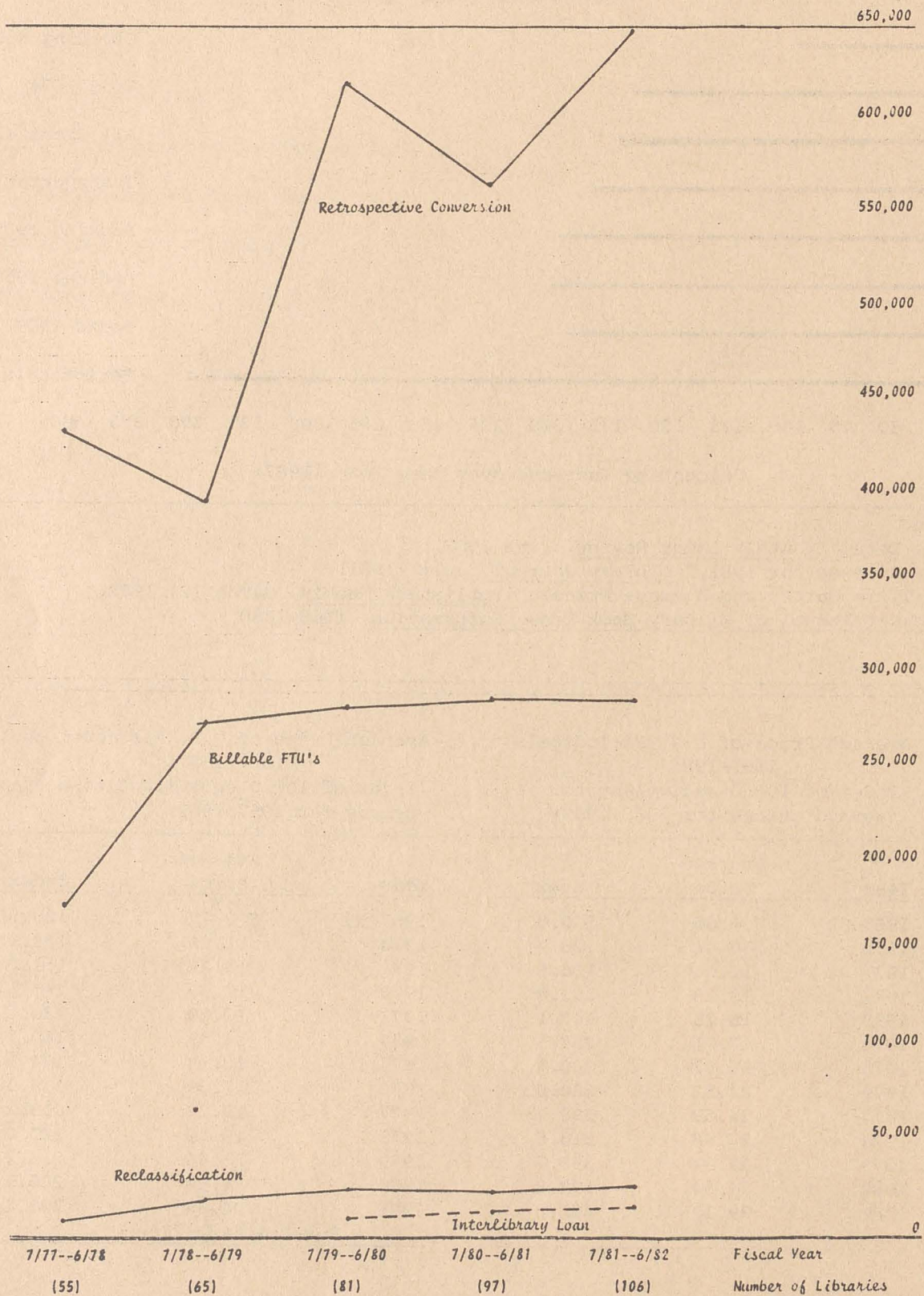
Year	Average Price	Index
1967-69	\$ 8.66	100.0
1970	10.41	120.2
1971	11.66	134.6
1972	13.23	152.8
1973	16.20	187.1
1974	17.71	204.5
1975	19.93	230.1
1976	22.52	260.0
1977	24.59	283.9
1978	27.58	318.5
1979	30.37	350.7
1980	34.54	398.8
1981	39.12	451.8

Average Price of U.S. Hardcover Books:  
1967-1981  
(Index of 100.0 equivalent to average  
prices for 1967-1969)

Year	Average Price	Index
1967-69	\$ 8.77	100.0
1970	11.66	132.9
1971	13.25	151.0
1972	12.99	148.1
1973	12.20	139.1
1974	14.09	160.7
1975	16.19	184.6
1976	17.39	198.3
1977	19.22	219.2
1978	19.30	220.0
1979	23.96	273.2
1980	24.64	280.9
1981	24.48*	290.5

\*preliminary figure

MINITEX/OCLC ACTIVITY LEVELS



## Area library resources:

<u>location</u>	<u>est. titles in collection</u>	<u>OCLC records</u>	<u>MULS records</u>
St. Cloud area libraries	732,000	515,000	8,500
Moorhead/Fargo area libraries	731,000	430,000	15,000
Mankato area libraries	714,000	509,000	14,500
Grand Forks area libraries	459,000	147,000	11,500
Northfield area libraries	435,000	257,000	7,500
Sioux Falls area libraries	353,000	296,000	4,000
Rapid City area libraries	323,000	39,000	3,000
Winona area libraries	318,000	280,000	6,000
Rochester area libraries	293,000	57,000	8,000
Duluth area libraries	266,000	64,000	7,500
Bismarck area libraries	253,000	196,000	2,500

MINITEX  
Participating Libraries

Appendix 8

Minnesota Academic Libraries

Anoka Area Voc-Tech Institute  
Anoka-Ramsey Community College  
Augsburg College  
Austin Area Voc-Tech Institute  
Austin Community College  
Bemidji State University  
Bethany Lutheran College and 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  
Golden Valley Lutheran College  
Gustavus Adolphus College  
Hamline University  
    Bush Memorial Library  
    Law Library  
Hennepin Technical Center, North  
Hennepin Technical Center, South  
Hibbing Community College  
Hormel Institute, Univ of Minn.  
Inver Hills Community College  
Itasca 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  
Mesabi Community College  
Minneapolis College of Art and Design  
Minneapolis Community College  
William Mitchell College of Law  
Moorhead State University  
Normandale Community College  
North Central Bible College  
North Hennepin Community College  
Northland Community College  
Northwestern College  
Rainy River Community 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 Library  
University of Minnesota-Wilson Library  
University of Minnesota-Crookston Technical  
    College  
University of Minnesota-Duluth Campus Library  
University of Minnesota-Duluth Health  
    Sciences Library  
University of Minnesota-Morris  
University of Minnesota-Waseca Technical  
    College  
Vermilion Community College  
Willmar Community College  
Winona State University  
Worthington Community College  
916 Area Voc-Tech Institute

Minnesota State Agency Libraries

Crime Control Planning Board  
Legislative Reference Library  
Minnesota Department of Education  
Minnesota Department of Public Welfare  
Minnesota Department of Transportation  
Minnesota Energy Agency  
Minnesota Historical Society  
Minnesota Office of Economic Opportunity  
Minnesota Pollution Control Agency  
Minnesota State Board of Health  
Minnesota State Law Library  
Minnesota Zoological Garden  
Office of Attorney General  
Office of Public Libraries and Interlibrary  
    Cooperation

Minnesota Public Libraries

Anoka County Library  
Austin Public Library  
Carver County Library System  
Crow River Regional Library

Minnesota Public Libraries

Dakota County Library System  
 Duluth Public Library  
 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 Information  
 Center  
 Northwest Regional Library  
 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  
 Western Plains Library System  
 Winona Public Library

Other Minnesota Libraries

Abbott-Northwestern Hospital Library  
 Bethesda Lutheran Hospital Library  
 Children's Hospital Library  
 Fairview Hospital Library  
 Golden Valley Health Center Library  
 Hennepin County Medical Center  
 James J. Hill Reference Library  
 Lutheran Deaconess Hospital Library  
 Mercy Medical Center Library  
 Methodist Hospital Library  
 Mounds-Midway School of Nursing  
 Mount Sinai Hospital Library  
 National Water Quality Laboratory  
 North Central Forest Experiment Station  
 North Memorial Medical Center Library  
 Ramsey County Medical Society/United Hosp.  
 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. Fish and Wildlife Service  
 Unity Hospital Library  
 Veteran's Administration Hospital  
 Walker Public School

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

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-I.D. Weeks Lib  
 University of South Dakota-Lommen Health  
 Sciences Library

Wisconsin Library

Wisconsin Interlibrary Services-  
 University of Wisconsin

Canadian Library

Lakehead University Library

Announcement of Publication

MINITEX and the Minnesota Higher Education Coordinating Board announce the publication of MULS: A Union List of Serials, Third Edition, Revised, 1983.

The MULS microfiche edition includes a half-million holding locations for serials held in libraries in Minnesota, North Dakota, South Dakota, and Wisconsin. There are approximately 126,000 individual titles and over 72,000 additional cross references and added entries.

MULS Microfiche may be purchased for \$100 for participants or \$150 for non-participants. Orders should be forwarded, along with purchase order or check in pre-payment, to:

MINITEX  
S-33 Wilson Library  
309 19th Avenue S  
University of Minnesota  
Minneapolis, MN 55455

ATTN: Mark Eckes

In addition, the 12-volume hard copy of MULS Third Edition, 1980, is still available to participants for \$450. Orders may be submitted to the above address.

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