TITLE   Enhancing Access to Journal Literature.
INSTITUTION   Maine Univ., Orono, Raymond H. Fogler Library.
PUB DATE   14 Jan 91
NOTE   44p.; A combination grant proposal submitted to the
                 College Library Technology and Cooperative Grants
                 Program by the University of Maine System Libraries
                 on behalf of University of Maine System Libraries,
                 Bates College Library, Bowdoin College Library, and
                 Colby College Library.
PUB TYPE   Viewpoints (Opinion/Position Papers, Essays, etc.)
                 (120) -- Reports - Descriptive (141)

EDRS PRICE   MF01/PC02 Plus Postage.
DESCRIPTORS   Academic Libraries; Access to Information; Computer
                 Networks; Computer Software; Databases; Higher
                 Education; *Indexes; Integrated Library Systems;
                 *Library Collection Development; Library Cooperation;
                 *Online Systems; *Periodicals; *Shared Resources and
                 Services; *Union Catalogs
IDENTIFIERS   *Maine

ABSTRACT
                 The libraries of the University of Maine System,
Bates, Bowdoin, and Colby Colleges have installed integrated systems
which are being linked electronically and are designed to promote the
maximum sharing of library resources, thereby significantly enhancing
the teaching and research capabilities of each institution. The
institutions propose to take a new direction in information sharing
among libraries via computer by jointly acquiring two standard
periodical databases and sharing them electronically. This grant
proposal requests support to provide access to subject periodical
indexes via the linked systems, and regional and national access to
the serial holding of the principal libraries. Funds will be used to
purchase software and software licenses to load and index two online
periodical indexes on the University of Maine System Library
computer, and software to create online a Maine Union List of serial
holdings information indexed by the databases from these and other
Maine libraries. In applying for this grant the aim was to facilitate
and speed user access to materials over and above those in the
collections of any one of the participating libraries through a
common interface, to initiate cooperative collection development
efforts among the principal academic libraries in Maine, and to
strengthen regional and statewide resource sharing. This project will
demonstrate how academic libraries can work together to meet their
increasing need for electronic access to information by sharing the
cost burden and the information. (Author/BBM)

ED346882

A COLLEGE LIBRARY TECHNOLOGY AND COOPERATIVE GRANTS PROGRAM

A COMBINATION GRANT PROPOSAL

Enhancing Access to Journal Literature

Submitted by the

University of Maine System Libraries

on behalf of

University of Maine System Libraries,

Bates College Library, Bowdoin College Library

and Colby College Library

January 14, 1991

2

BEST COPY AVAILABLE

Applicant: University of Maine System Libraries
                                        Raymond H. Fogler Library
                                        University of Maine
                                        Orono, Maine 04469

Project Title: Enhancing Access to Journal Literature

Project Director: Marilyn Lutz
                                        Systems Librarian
                                        Raymond H. Fogler Library
                                        University of Maine
                                        Orono, Maine 04469
                                        (207) 581-1658

Funding Level: $ 158,026.00
Project Period: October 1, 1991 to September 30, 1992

ABSTRACT

The libraries of the University of Maine System, Bates, Bowdoin and Colby
Colleges have installed integrated systems which are being linked electronically
and designed to promote the maximum sharing of library resources, thereby
significantly enhancing the teaching and research capabilities of each
institution. The institutions propose to take a new direction in information
sharing among libraries via computer by jointly acquiring two standard periodical
databases and sharing them electronically.

This grant proposal requests support to provide access to subject periodical
indexes via the linked systems, and regional and national access to the serial
holdings of the principal libraries. Funds will be used to purchase software and
software licenses to load and index two online periodical indexes on the
University of Maine System Library computer, and to enter in the OCLC Union List
Subsystem serials holdings information from these and other Maine libraries
indexed by the databases.

In applying for this grant we are seeking to facilitate and speed user access
to materials over and above those in the collections of any one of the
participating libraries through a common interface, to initiate cooperative
collection development efforts among the principal academic libraries in Maine,
and to strengthen regional and statewide resource sharing. This project will
demonstrate how academic libraries can work together to meet their increasing
need for electronic access to information by sharing the cost burden and the
information.

3

Applicant:	University of Maine System Libraries Raymond H. Fogler Library University of Maine Orono, Maine 04469
Project Title:	Enhancing Access to Journal Literature
Project Director:	Marilyn Lutz Systems Librarian Raymond H. Fogler Library University of Maine Orono, Maine 04469 (207) 581-1658
Funding Level:	$ 150,718.00
Project Period:	October 1. 1991 to September 30, 1992

ABSTRACT

The libraries of the University of Maine System, Bates, Bowdoin and Colby Colleges have installed integrated systems which are being linked electronically and designed to promote the maximum sharing of library resources, thereby significantly enhancing the teaching and research capabilities of each institution. The institutions propose to take a new direction in information sharing among libraries via computer by jointly acquiring two standard periodical databases and sharing them electronically.

This grant proposal requests support to provide access to subject periodical indexes via the linked systems, and regional and national access to the serial holdings of the principal libraries. Funds will be used to purchase software and software licenses to load and index two online periodical indexes on the University of Maine System Library computer, and software to create online a Maine Union List of serial holdings information indexed by the databases from these and other Maine libraries.

In applying for this grant we are seeking to facilitate and speed user access to materials over and above those in the collections of any one of the participating libraries through a common interface, to initiate cooperative collection development efforts among the principal academic libraries in Maine, and to strengthen regional and statewide resource sharing. This project will demonstrate how academic libraries can work together to meet their increasing need for electronic access to information by sharing the cost burden and the information.

PART III

BACKGROUND

The seven libraries of the University of Maine System, together with Colby, Bowdoin and Bates College libraries, collectively constitute the vast majority of academic library resources in Maine. As a consortium the libraries have entered into a cooperative agreement with the goal of addressing the fundamental needs of users in the state where limited resources are distributed over a wide geographic area. A concerted effort is being made to create a statewide library network for higher education which links academic library resources and greatly enhances the research and teaching capabilities of each institution.

The University of Maine System and Colby, Bates and Bowdoin College libraries have installed integrated automation library systems designed to promote maximum sharing of library resources. The bibliographic data bases of each institution provide online public access catalogs with subsystems for the major processing functions of acquisitions, cataloging, the control of serial publications and the loaning of materials. The databases are linked using the National Science Foundations's Internet network. Nearnet, the New England segment of this network, is the link within Maine among the institutions, and provides access outside of Maine to a burgeoning array of resources such as online encyclopedias, supercomputing facilities and abstracting services.   F r o m terminals on each campus, using an identical interface, students and faculty may search the catalogs of all libraries, and have access to the use of materials from all libraries. Direct access to collections at each library is simple and convenient because a search of the other library catalogs appears as a menu item on the library computer screens at all locations (currently being implemented). To the user information is retrieved from a single source, a unified environment.

Automation at University of Maine System Libraries

The University of Maine System is a statewide system of seven independent, public institutions of higher education. It is operated by a single Board of Trustees, which is appointed by the Governor. The chief academic and administrative officer for the systems is the Chancellor, who is responsible to the Board of Trustees. The campus libraries and branches who report to their respective presidents, are located on ten campuses and include regional centers and over 25 off campus sites serving the Community College of Maine program. The libraries are linked only by their shared online union catalog.

Guided by a philosophy of cooperation and a commitment to broad and equitable access to information, automation planning for the UMS libraries began in the early 1980s. In 1986 a bond referendum provided funds targeted by the people of Maine to enhance patron access to library collections. The first phase of the Library automation Project called for linking the seven libraries and eleven community college of Maine regional centers in a network of bibliographic resources. An integrated library automation system was implemented in 1988. Along with the online catalogs for the local library, the system provides access to a union catalog for the holdings of all UMS libraries, as well as support for cataloging, acquisitions, serials management and circulation.

In the Spring of 1991 the collections of the Maine State Library and the Law and Legislative Reference Library will be added to the union catalog of the University System, thereby providing online access to these resources to the larger academic library community, and increasing the effectiveness with which patrons can locate and request needed library materials.

Automation at Colby, Bowdoin and Bates Libraries

Planning for library automation at Colby, Bowdoin and Bates began in 1985 when an analysis of the respective collections indicated considerably less overlap than expected. A year later implementation and financing plans for the purchase of a linked automated catalog were under discussion, and in 1987 a request for proposals was circulated to vendors. The system developed by Innovative Interfaces, Inc. in collaboration with Digital Equipment, Corporation was found to best fit library needs . At the same time, implementation of the system was already underway at the University of Maine System where a close relationship developed between DEC and Innovative Interfaces, Inc. in a cooperative research and development venture proposed by the University librarians. The University's experience provided a high degree of confidence in the excellence of the system selected by the private college libraries. The growth of the Internet provided a natural vehicle for the linking of the four library systems and an elegant mechanism for connecting the resources.

Colby College Library brought up its online catalog in 1989. Bates and Bowdoin College Libraries automated in Summer, 1990. Each of the three colleges completed implementation of a fully integrated system consisting of modules for acquisitions, catalog maintenance, online public access and circulation by January 1991. The catalogs of these libraries and the University of Maine System catalog are currently being linked.

Other Cooperative Efforts - Maine Union List

For more than twenty years the libraries of the University System, Colby, Bowdoin and Bates Colleges have participated in the Larger Libraries Group, a forum for discussion of issues of common importance to academic libraries, the

state library, and the Bangor and Portland Public libraries. Access to journal holdings was a chief concern of the Larger Libraries Group, and out of the need for shared information evolved the major project of the Larger Libraries Group, MULS - the Maine Union List of Serials. Since 1977 MULS has continued to grow and the current edition lists 50,000 holdings for 20,000 unique titles held by 81 libraries. The University System, Colby, Bowdoin and Bates libraries contribute more than 50% of the holdings information in MULS. OCLC libraries participating in MULS account for 71% of the total MULS holdings. Financial support for MULS comes from the Larger Libraries Group, the State Library and the Health Sciences Library Information Cooperative.

Since its inception MULS has been a primary source of serial holdings information for interlibrary loan among Maine Libraries. It is also used by many libraries as a public reference tool, to inform users of the holdings of other libraries to which they intend to travel. However, among the principal contributors to MULS a number of concerns have created an impetus for changing access to serials resources in Maine. Chief among these concerns are the following:

* The serials holdings of Maine libraries are not accessible via the national OCLC library network, which is the principal interlibrary loan tool for most academic libraries. Maine libraries are thus not full participants in regional and national resource sharing.

* Serial holdings of Maine libraries are not accessible via any online system (each local system displays its own holdings, but not the holdings of other libraries). Thus the bibliographic tool used most heavily by library users in the University System, Colby, Bowdoin and Bates libraries cannot be used for this information.

* Information in MULS is 4-16 months out of date, sometimes even more when the institutions fail to report changes in their holdings in a timely fashion.

* The reporting process is cumbersome, staff-intensive and error prone.

*   Representation of an estimated 1000 titles is inconsistent with national cataloging standards (titles entered according to successive entry rules), causing confusion in updating and editing.

*   MULS is not indexed. Access by alternate title, author, sponsoring body, ISSN, etc. is not possible. Exact title (MARC 245) is the only access point.

*   MULS provides only limited bibliographic information about each title (title, ISSN, preceding and following titles).

Adding serial holdings information for the primary academic libraries in Maine to the OCLC database address these shortcomings, and meet the need for national and regional access to current serial information.

(a) GENERAL SELECTION CRITERIA

1. PROJECT DESCRIPTION

The proposed Combination Grant represents a new direction in information sharing via computer for the libraries of the University of Maine System, Colby, Bowdoin and Bates Colleges. The institutions have successfully implemented online catalogs which are being linked with identical search interfaces, and thus provide access to materials outside their respective collections. The project will enable the institutions to expand information services by jointly acquiring two subject periodical index databases which will be searchable with the same search software used in the respective online catalogs. National, regional and local access to serial holdings indexed by the databases also will be jointly undertaken.

Mounting general interest databases designed to meet the needs of students and faculty at the four institutions along side the local online catalogs will facilitate access and use of local collections by removing the barriers that constrain users. The project will make it easy for students and faculty (an

estimated 45,000 users) to switch from one database to another, without having to learn different search protocols, and locate an item from a single unified environment.

The project will be accomplished by mounting the software packages available from Innovative Interfaces, Inc. for H.W. Wilson's <u>Social Science Index</u> and the <u>Index to Legal Periodicals</u> on the DEC System Computer at the University of Maine System Computing facility in Orono, Maine. The existing electronic interfaces among the four institutions will be profiled for direct connections to the database from the four catalogs. Subscription to OCLC's Serials Union List service will enable staff to create local holdings information for the national database, as well as for the region (New England Union List) and the state (Maine Union List).

The selection of the two journal citation databases was based on a desire for broad, multidisciplinary coverage (Social Science Index) as well as a need to meet specialized requirements (Index to Legal Periodicals). As previously stated, the integrity of the search software was critical to maintaining a unified interface with the online catalogs. Consideration was given to Storage requirements, liscensing agreements, overall cost, backfile availability and currency. In an effort to balance service and economy, and as a reasonable starting point the indexing software from Innovative Interfaces was chosen.

The expansion of collections and interlibrary loan capabilities are among the expressed needs of the project participants to meet spiraling demands for expanded services and resources made accessible through the online catalogs. Collection gaps became apparent when the holdings of the University libraries were combined in a union catalog, and by a Colby, Bowdoin and Bates survey which found overlap among the three collections to be less than expected. Using the

10

power of the local online catalog to access multiple information resources, and

expanding access to holdings nationally, regionally, and locally will enrich the

learning environment for students and faculty at all four institutions.

The goals and objectives of this proposal are to:

1. Initiate a cooperative acquisitions program for electronic resources by sharing the cost burden as well as access to the information resources.

    a. To purchase permanent databases for H.W. Wilson's Social Science Index and Index to Legal Periodicals.

    b. To commit respective budgets to the cost of ongoing database user license fees, software maintenance contracts and disk storage.

2. Provide students and faculty of the four institutions with electronic access to periodical indexes through the common interface of the online catalog, thereby facilitating resource sharing of serial collections.

    a. To mount periodical databases on the University of Maine System computer using load and indexing software from Innovative Interfaces, Inc.

    b. To develop efficient protocols for electronic exchange of resource sharing requests among the four institutions.

3. Broaden participation in and access to serial resources statewide, regionally and nationally.

    a. To add serials holdings information for the principal academic libraries in Maine to the OCLC database.

    b. To commit to ongoing costs to maintain Maine Union List of Serials nationally and distribute the data locally for use by libraries without convenient access to OCLC.

This proposal to cooperatively develop electronic serial resources and the

existing agreement to share resources, will provide students and faculty with

convenient access to periodical collections which have a greater depth and

comprehensiveness than each institution can offer separately, thus improving the

academic program at each institution. Cooperative collection development and

interlibrary loan of resources has long been a goal among the institutions, but

until the implementation of the linked systems, information needed to make cooperative purchase decisions has been difficult to obtain. This cooperative attitude, coupled with a common desire to provide efficient access and the electronic tools to determine needs will result in a rich environment of electronic information access services, beginning with a program for online access to journal citation databases.

To date efforts at each institution to improve access to citations of journal literature have evolved in a similar direction but independent of one another. One way has been the acquisition of CD-ROM versions of the indexes. Typically this approach provides relatively painless access for users, although there needs to be some investment in learning to use a microcomputer driven CD-ROM index. At three of the libraries IAC Infotrac Systems have been installed to improve access to basic resources for undergraduates (in testing at fourth library). While this approach has been successful as the CD-ROM product became very popular, users now face a virtual arcade of CD-ROMs requiring many of them to learn a variety of interfaces. Furthermore, even if networking CD-ROMs were easy, the number of access points would be limited and probably restricted to use in the library.

In joint meetings of the institutions the librarians concluded that electronic access to citation literature on locally mounted databases would provide several advantages over CD-ROM products. The number of access points to the data need only be restricted only by the number of computer terminals and dial access ports made available, expanding the number of points of contact with the system far beyond the library walls. Indexing capabilities, particularly keyword access to the data, are enlarged once the constraints of a CD-ROM hard drive is replaced by a large computer. Most significant of all, multiple

interfaces for CD-ROMs are replaced by a common interface to as many indexes and databases as the library determines to load. Realizing that efforts to accommodate these issues simplify access to information for users, and building on the common interface of the existing linked systems, the libraries of the University System, Colby, Bowdoin and Bates Colleges have agreed that on-site access to citation databases is the logical, cost effective next step to meeting service demands.

2. PLAN OF OPERATION

The design of the project is based on existing procedures for the implementation of Innovative Interfaces, Inc.'s online catalog software (INNOPAC) and participation in OCLC's serials union list, as well as the existing procedures and policies governing the operations of the collaborating libraries' INNOPAC systems, the UMS communications network, and the ongoing program of resource sharing throughout the state of Maine. It does not require any technological breakthroughs.

The management plan is simple and straight-forward. Upon notification of acceptance, project personnel will negotiate contracts and place orders for required software, user licenses and equipment with the appropriate vendors. The project will proceed on two parallel courses: (1) loading the journal citation databases and profiling the communications network and local systems for access; (2) creating local data records on OCLC and producing an offline union list of Maine Serials. Once the databases are loaded staff training and publicity efforts will proceed at each institution. Creation of local data records on OCLC will be prece' d by preliminary bibliographic cleanup to convert

all records to current cataloging standards (successive entry). Creating the Maine Union List as a subset of the New England Union List of Serials and the national database will be a shared endeavor by the participating libraries.

The objectives of this project are fundamentally related to the core of the statewide program of resource sharing and interlibrary cooperation. The central purpose of the electronic resources developed to date by the University System, Colby, Bowdoin and Bates Colleges is to increase the effectiveness with which patrons can locate and request needed library materials, regardless of physical location. Electronic access to journal citation databases and the location of serial holdings in academic libraries in Maine and New England will greatly benefit the state's principal academic libraries and their patrons by enhancing and facilitating further access to the available resources.

The mechanisms for cooperation and coordination of effort have evolved since the beginning of automation planning at each institution, as evidenced by the common system and user interface that has been implemented by each institution. Close working relationships and frequent telephone contact have guaranteed open communication among the institutions and a sharing of expertise which resulted in successful library automation projects at each institution and the linking of the systems.

Project Schedule

Contract negotiation for H.W. Wilson user licenses for Social Science Index and Index to Legal Periodicals (retrospective and current files)	Oct. 1991
Order software and journal citation databases from Innovative Interfaces, Inc.	Oct. 1991
Order installation of OCLC terminal and profile membership in Union List Subsystem	Oct. 1991

Preliminary database cleanup of serials file	Oct.-Nov.1992
Create local data records on OCLC and produce offline union list	Oct. 1991-Sept. 1992
Establish MULS online agency	Oct. 1991
Profile, test and load journal citation databases	Dec. 1991
Profile, test and implement network connections to access journal citation databases	Dec. 1991
Train staff	Dec. 1991
Publicize electronic resources	Jan. 1992
Summary project report and evaluation	Sept. 1992

3. QUALITY OF KEY PERSONNEL

Project Director

Marilyn Lutz, Systems Librarian for the University of Maine System will be the Project Director. Lutz has been responsible for implementing the library automation project at the nine campus libraries of the University System. She authored College Library Technology grant proposals in 1988, 1989, and 1990, was awarded funding, and has served as the Project Director for two Network Equipment Grants: (1) Library Telefacsimile Project to create a document delivery network connecting 9 campus libraries and 11 off campus centers; (2) Library Network Expansion Project to extend the UMS network by providing online catalog access to 29 Community College of Maine off campus locations; and one Services to Institution Grant: Building University Access to Maine Regional Library System Collections Project which adds the holdings of the Maine State Library to the shared online catalog of the University of Maine System libraries. She also has obtained funds to automate the Maine State Law and Legislative Reference Library (1990) and add their holdings to the University System union catalog. Before

assuming the position as UMS System. Librarian, Lutz was employed by OCLC (Online computer Library Center), Dublin, Ohio, where she worked from 1983 as project manager implementing local automation systems in academic and special libraries throughout the country. She brings to the project administrative and leadership skills for the development and integration of information systems and technology as a central focus of library services in the state, as well as direct technical and practical experience with library automation and resource sharing among principal institutions. She will be responsible for overall project coordination and implementation, including ordering, receipt and installation of software; software profiling and testing; loading databases; monitoring project fund accounts and project evaluation. Lutz will contribute 24 days of her time.

Key Personnel

The project will be guided jointly by a project coordinator with automation responsibilities at each institution, who will be responsible for planning and implementing holdings data entry for their respective libraries, supervision of staff, insuring quality control of the serials database, and training staff to use the online periodical databases.

Sam Garwood, Assistant University Librarian, University of Maine (Orono), has had 24 years of library experience in technical services and library administration at Brooklyn college (1966-1971) and the University of Maine (1971 to date). He has planned and supervised major reclassification, retrospective conversion and building renovation projects, and coordinated initial planning for the library automation for the University of Maine System. During 1982-1983 he served for 13 months as Acting Director of the University of Maine Libraries. Since 1979 Garwood has been the manager and editor of the Maine Union List of

Serials, which is the primary source for serials holdings information in Maine Libraries. Garwood will contribute 49 days of his time, and will serve as the principal coordinator for creating holdings records on OCLC for the Maine libraries.

Katherine Kott, Automated Services Librarian, Bates College, is the project coordinator for that library. Her position was created in 1988 to provide a centralized office for project activities. Previously she worked as a Reference and special Projects Librarian at Sangamon State University doing database conversion work using OCLC's SC350 serials control system and LCS, the University of Illinois online catalog used by all public academic libraries in Illinois. From 1978-1984, while Cataloger and later Head of Technical Services at Duke University Law Library, she contributed to system design for the Triangle Research Libraries Network, a consortium comprised of libraries of Duke University, University of North Carolina at Chapel Hill, and North Carolina State University.

Suanne Muehlner, Director of the Colby College Libraries since 1981 will coordinate activities for that institution. She has wide ranging experience in libraries, having been Librarian of the Technische Universitat Berlin, West Germany, as well as having held several senior positions with the M.I.T. Libraries. She is on the board of Directors of the New England Library Network and is a member of the Online Computer Library Center (OCLC) User's Council.

Judy Montgomery, Assistant Library Director since 1985 at Bowdoin College, will be project coordinator for that library. Having worked as catalog librarian from 1979 to 1985, Montgomery has a strong background in cataloging using OCLC. Her other automation efforts include implementing the library's local integrated

system, installing and providing support for CD-ROM products, and implementing Micro LINX, the Faxon Company serials control system.

The four institutions are fortunate to have a number of librarians with diverse background to bring their knowledge to the project. All of the libraries have been OCLC users from the time that bibliographic network became available, and have automation experience implementing the same local integrated system which includes a serials control module. In addition, members of the staff of each library bring a broad spectrum of automation experience to the project, and are active in regional and national library technology meetings.

IV. BUDGET AND COST EFFECTIVENESS

Federal funding is being requested for the direct costs associated with acquiring and implementing two journal citation database user licenses, load and indexing software, and OCLC Union List Subsystem startup costs, and staff. The budget is sufficient to allow the project to b initiated and completed within the one year time frame, and is based on firm quotations from H.W. Wilson Company, Innovative Interfaces, Inc. and OCLC.   The costs of any items not covered within the project budget will be assumed by the participants.

Staff	$ 32,308
Software licenses and fees	58,495
Software and first year maintenance	44,940
OCLC System startup costs	18,783
Equipment	2,500

A complete itemized budget breakdown and justification of the proposed budget has been included in PART II, Sections A and C of this application.

The cooperative purchase of journal citation databases for the use of the University of Maine System, Colby, Bowdoin and Bates students and faculty via the electronically linked systems, using an existing statewide network, is the most cost-effective solution possible to the problem of providing shared collection information online. Duplicating the effort of mounting journal citation databases at each library would add costs and require more staff resources.

5.   ADEQUACY OF RESOURCES

Salaries

The salaries of the project director Lutz and project coordinators from the University System, Colby, Bowdoin and Bates Colleges will be paid by the respective institutions. Payment for duties delivered will be monitored in the Project Account established by the Grants and Contracts Accountant of the UMS Vice Chancellor for Administration, by the Library Automation Project Director for the University of Maine System, and by the Library Directors of Colby, Bowdoin and Bates Colleges.

UMS Computer Center staff support staff to implement communications and assist in the database load is not charged to the project.

Each institution has insured that enough staff support is available for the project by reallocating staff within the libraries and ci nputer services departments.

University of Maine System Computing Facilities

The UMS computing and Data Processing Services department (CAPS), located on the Orono campus, provides centralized computing for all campuses of the

University and operates inter-campus data communications networks. Each campus has computing facilities in addition to the support CAPS provides for instructional, research, consulting and administrative needs of the University community. CAPS houses the library system which runs on a DEC System 5820 with 8 logical disk drives totalling 10 gigabytes of storage. The current configuration includes over 200 telecommunications ports. Both TCP/IP and Digital Equipment Corporation's LAT protocols are supported.

Other University facilities include an IBM 3090 -180E (VF) with 64 million bytes of main storage (Orono). The current configuration includes more than 1500 telecommunications ports and more than 30 billion bytes of disk storage. Five tape drives are available. A number of minicomputers including a VAX/VS 11/780 also are connected to the system. A Prime/PRIMOS computer recently was added to the operations. IBM 4341-2 computers are maintained on the USM Portland campus and the Farmington campus.

Recent activity has involved CAPS in piloting local area networks on three campuses as well as the LAN for the library system on the Orono campus. CAPS is at the hub of current telecommunications plans for the flagship campus as well as the fiber network being implemented statewide for the Community College of Maine Telecommunications System. An NSF grant award funded the UMS connection to the NSFnet Through Boston.

Ongoing Support

Staff needs for implementation and for operation when the project has been completed have been budgeted from the appropriate institutional operating funds, or will be at the proper time. These ongoing costs include user licenses, software maintenance, disk storage, and OCLC system fees totaling $32,328

annually, plus associated personnel and computer usage costs. Financial resources currently in place, in combination with the funding requested in this proposal, are adequate to meet the start-up and ongoing requirements of the proposed project. Participating institutions will assume responsibility for the project on an ongoing basis.

6. EVALUATION

Project evaluation will be ongoing. Usage data will be compiled for the number of connections to the Wilson indexes with network statistics The academic communities will be surveyed to determine ease of access and attempt to ident'fy any problems. Using the circulation statistics package on the respective INNOPAC systems, borrowing and lending among the institutions, and among member libraries of the New England Union List of Serials (NEULS) can be measured to determine rates of growth since making holdings information available on OCLC. Library staff and directors from the four institutions will provide cost benefit analysis on the shared acquisitions program. Usage data and evaluation surveys will be analyzed and ` final project report will be produced that will assess the impact of the project on the libraries and their patrons.

SPECIAL PROGRAM CRITERIA - COMBINATION GRANT

i.   As noted in the "Background" section, the UMS, Colby, Bowdoin and Bates are the principle academic libraries in Maine, and through their efforts to automate library services are evolving a statewide network of resource sharing. The choice of Innovative Interfaces software at all four institutions and agreement to link the systems has provided users with a common interface for locating and obtaining materials regardless of location. An electronic requesting function (soon to be implemented) will facilitate interlibrary requests.   The annual expense of running the respective systems is a small percentage of the initial cost, exceedingly small in relation to the expansion of resources gained for users. In the light of these benefits the institutions have deemed it appropriate to add the continuing costs to their operating budgets. There are other system needs not addressed in the respective funding plans, and they can only be implemented if other sources of support are secured outside of those requested in the respective operating budgets. There is a very real need for special assistance to enable the libraries to expand interlibrary loan capabilities to allow users to make more effective use of the linked catalogs .

ii.   This specific request for support to cooperatively acquire journal citation databases and provide national and regional access to serial holdings in Maine presumes a level of commitment to information technology and resource sharing that has already been accomplished. The University of Maine System, Bates, Bowdoin and Colby Colleges are each fully committed to sharing library resources, and to this consortium project which will make this sharing convenient for users and ease the burden of acquisitions budgets. The project will be continued as a regular resource sharing program at an estimated annual cost of $ 23,225 plus

associated personnel and computer usage costs. Annual costs to maintain current holdings information on OCLC for the Maine Union List is $9,103 plus associated personnel and the cost of print and fiche copies.

iii. As indicated earlier, the four institutions have a long history of resource sharing and interlibrary cooperation. The cooperative nature of the group is a part of the day-to-day operations of each participating library. Enhancing the resources available to the students and faculty will only serve to expand actual resource sharing.

iv. Expanding the diversity of resources available online will provide direct benefits to students, faculty and staff of each participating institution, s rengthening the academic programs in each of the institutions in the process. It is anticipated that this initiative to share the cost of electronic resources will serve as a foundation for sharing in other areas.

v. The project would serve to increase resource sharing at the state, regional and national levels by enhancing direct access to the serials holdings of academic libraries in Maine. The linked systems of the participants serve an estimated 45,000 students and faculty.

vi. The project will utilize standard Digital Equipment Corporation equipment, local and national networking technologies, as well as software and data created by known vendors (OCLC, Innovative Interfaces, Inc. and H.W. Wilson Company), ensuring compatibility with other networks.

vii. Project personnel are willing to share expertise with other library automation projects attempting to provide similar services. Academic libraries in the preliminary stages of mounting journal citation databases and developing statewide resource sharing networks will benefit from the experince and expertise gained through this project. As a beta site for the implementation of

Innovative's INNOPAC system on DEC equipment, the University of Maine System and Colby, Bowdoin, and Bates Colleges librarians have already served as resources for prospective buyers of Innovative's software running on DEC equipment. Telephone contacts and site visits have been ongoing since 1988. Continuing in this role of sharing technological expertise will be an important contribution of the project.

APPENDICES

Resumes of project director and project coordinators

Maine Union List of Serials members

MAINE UNION LIST OF SERIALS

May 1990

The 1990 microfiche edition of MULS lists the holdings of 81 Maine Libraries as reported through March 1, 1990. Approximately 46,400 holdings are reported for 19,200 unique titles.

Recent title changes follow successive entry practice, but most title changes that occurred before 1980 are still represented in latest entry form, with cross references from earlier titles. Entries conform, in most cases, to current OCLC bibliographic records. A major exception is the treatment of non-distinctive titles such as Journal, Transactions, etc., which are usually entered in MULS under the name of the issuing body.

It should be noted that some libraries represented in this list do not report all of their government publications and non-periodical serials. For instance, the Fogler Library of the University of Maine receives all U.S. government depository serial items, but most are not listed here.

Acknowledgements

The Maine Union List of Serials is a cooperative project, produced by the collective efforts of the many librarians who report the data for their respective libraries. The value of MULS depends on the accuracy and timeliness of their work. The Larger Libraries Group, the Maine State Library and the Health Sciences Library Cooperative of Maine deserve special recognition for their continuing financial support.

Thanks also are due to Starlene Vandez, for an excellent job of data entry; and to Bea Macomber, who did most of the bibliographic searching on OCLC for title verification.

Sam Garwood
Fogler Library
University of Maine
April 1990

The following institutions provide financial
support for the MAINE UNION LIST OF SERIALS
project:

> Maine State Library
> Bangor Public Library
> Bates College
> Bowdoin College
> Colby College
> Portland Public Library
> University of Maine
> University of Southern Maine
> Health Sciences Library Information
>   Cooperative (HSLIC)

LIBRARY CODES

AMHI	Augusta Mental Health Institute
AUBPL	Auburn Public Library
BATES	Bates College (Lewiston)
BATHMH	Bath Memorial Hospital
BEAL	Beal College (Bangor)
BIGDMR	Bigelow Laboratory/Dept. of Marine Resources
BMHI	Bangor Mental Health Institute
BOWD	Bowdoin College (Brunswick)
BPL	Bangor Public Library
BTS	Bangor Theological Seminary
CARY	Cary Medical Center (Caribou)
CMMC	Central Maine Medical Center (Lewiston)
CMP	Central Maine Power
COA	College of the Atlantic (Bar Harbor)
COLBY	Colby College (Waterville)
DHS	Department of Human Services (Augusta)
DYER	Dyer Library - York Institute Museum (Saco)
EMMC	Eastern Maine Medical Center (Bangor)
EMTC	Eastern Maine Technical College (Bangor)
FBR	Foundation for Blood Research
FMH	Franklin Memorial Hospital (Farmington)
GENE	Center for Human Genetics (Bar Harbor)
GOOD	Goodall Hospital (Sanford)
GPL	Greater Portland Landmarks
HRH	Houlton Regional Hospital
HUSSON	Husson College (Bangor)
JLAB	Jackson Laboratory (Bar Harbor)
KVMC	Kennebec Valley Medical Center (Augusta)
KVTC	Kennebec Valley Technical College (Waterville)
LAC	Lewiston-Auburn College
LITH	Lithgow Library (Augusta)
LPL	Lewiston Public Library
MCD	Medical Care Development, Inc. (Augusta)
MERCY	Mercy Hospital (Portland)
MHIST	Maine Historical Society (Portland)
MILES	Miles Memorial Hospital (Damariscotta)
MILLRH	Millinocket Regional Hospital
MMA	Maine Maritime Academy (Castine)
MMC	Maine Medical Center (Portland)
MSTATE	Maine State Library (Augusta)
NMMC	Northern Maine Medical Center (Fort Kent)
NMTC	Northern Maine Technical College (Presque Isle)
NORCUM	Northern Cumberland Memorial Hospital (Bridgton)
OHM	Osteopathic Hospital of Maine (Portland)
PARK	Parkview Memorial Hospital (Brunswick)
PENBAY	Pen Bay Medical Center (Rockland)
PINE	Pineland Center (Pownall)
PPL	Portland Public Library

PSAL   Portland School of Art Library
PUC   Public Utilities Commission (Augusta)
RAISE   Northern Maine RAISE (Presque Isle)
RCH   Rumford Community Hospital
RFGH   Redington-Fairview General Hospital (Skowhegan)
RMH   Regional Memorial Hospital (Brunswick)
STEPMH   Stephens Memorial Hospital (Norway)
SJCOLL   St. Joseph's College (North Windham)
SJHOSP   St. Joseph Hospital (Bangor)
SMMC   Southern Maine Medical Center (Biddeford)
SMTC   Southern Maine Technical College (S.Portland)
STLAW   Law and Legislative Reference Library (Augusta)
STMARY   St. Mary's Hospital (Lewiston)
TAMC   The Aroostook Medical Center
THAYER   Mid-Maine Medical Center - Thayer Unit (Waterville)
THOMAS   Thomas College (Waterville)
TOGUS   Veterans Administration Center (Togus)
UM   University of Maine
UMA   University of Maine at Augusta
UMDAR   Darling Center of the University of Maine
UMF   University of Maine at Farmington
UMFK   University of Maine at Fort Kent
UMLAW   University of Maine School of Law
UMM   University of Maine at Machias
UMPI   University of Maine at Presque Isle
UNE   University of New England (Biddeford)
UNITY   Unity College
USM   University of Southern Maine
WATOST   Waterville Osteopathic Hospital
WPL   Waterville Public Library
WSTBRK   Westbrook College (Portland)
YORK   York Hospital

INTERLIBRARY LOAN DIRECTORY

The Aroostook Medical Center (TAMC)

    The Aroostook Medic l Center
    Health Sciences Library
    P O Box 151
    Presque Isle, Maine 04769-0151

    Telephone no.: 768-4173

Auburn Public Library (AUBPL)

    Interlibrary Loan
    Auburn Public Library
    49 Spring Street
    Auburn, Maine 04210

    Telephone no.: 782-3191
    Photocopy charges per page: 20 cents
    Billing only for $2.00 or more
    Copies from microfilm: 25 cents/page

Augusta General Hospital

    See: Kennebec Valley Medical Center

Augusta Mental Health Institute (AMHI)

    Health Sciences Library
    Augusta Mental Health Institute
    Box 724
    Augusta, Maine 04330

    Telephone no.: 289-7266

Bangor Mental Health Institute (BMHI)

    Interlibrary Loans
    Health Sciences Media Center
    Bangor Mental Health Institute
    P.O. Box 926
    Bangor, Maine 04401

    Telephone no.: 941-4226
    Photocopy charges per page: Reciprocity

Bangor Public Library (BPL)

    Interlibrary Loan Department
    Bangor Public Library
    145 Harlow Street
    Bangor, Maine 04401

    Telephone no.: 947-8336
    Photocopy charges per page: 10 cents;
    no charge first 10 pages.
    From microfilm: 25 cents per page

Bangor Theological Seminary (BTS)

    Moulton Library
    Bangor Theological Seminary
    300 Union Street
    Bangor, Maine 04401

    Telephone no.: 942-6781, Ext. 22
    Photocopy charges per page: 10 cents
    Cannot copy microfilm/fiche
    Reciprocal agreements honored

Bates College (BATES)

    Interlibrary Loans
    George and Helen Ladd Library
    Bates College
    Lewiston, Maine 04240

    Telephone no.: 786-6263
    Photocopy charges per page: 10 cents
    $1.00 minimum
    Exchange agreement honored

Bath Memorial Hospital (BATHMH)

    Bath Memorial Hospital
    Health Sciences Library
    360 Washington St.
    Bath, Maine 04530

    Telephone no.: 443-5524, Ext. 225

Beal College (BEAL)

    Beal College Library
    Box 450
    Bangor, Maine 04401

    Telephone no.: 947-4591
    Photocopy charges per page: 10 cents;
    no charge under 10 pages.

Bigelow Laboratory/Maine. Department of
    Marine Resources (BIGDMR)

    Library
    Bigelow Laboratory/Maine. Dept. of
     Marine Resources
    McKnown Point
    West Boothbay Harbor, Maine 04575

    Telephone no.: 633-2173, Ext 26
                    633-5572, Ext 68
    No charge under 50 pages

Bowdoin College (BOWD)

    Interlibrary Loans
    Bowdoin College Library
    Brunswick, Maine 04011

    Telephone no.: 725-3283
    Photocopy charges per page: 10 cents
    Minimum charge for photocopy service: $1.00
    Interlibrary Loan Service charge:
    Postage over $1.00
    Signed NELINET reciprocal agreement

Cary Medical Center (CARY)

    Health Science Library
    Cary Medical Center
    MRA Box 37
    Caribou, Maine 04736

    Telephone no.: 498-3111, Ext 114

Center for Human Genetics (GENE)

    Center for Human Genetics
    Firehouse Hill
    Bar Harbor, Maine 04609

    Telephone no.: 207-288-5815
    Photocopy charges per page: 10 cents

Central Maine Medical Center (CMMC)

    Health Sciences Library
    Central Maine Medical Center
    300 Main Street
    Box 4500
    Lewiston, Maine 04240

    Fax: 795-2303 (Rush only)
    Telephone no.: 795-2560
    Free loans to reciprocating libraries
      in and out of state

Central Maine Power Company (CMP)

    Library Services
    Edison Drive
    Augusta, ME 04338
    ATTN: Shared Rasources

    Telephone no.: 623-3521 ext. 2177
    FAX no.: 623-9384
    No charge for any ILL transaction

Central Maine Technical College (CMTC)

    Library
    Central Maine Technical College
    1250 Turner St eet
    Auburn, Maine 04210

    Telephone no.: 784-2385, Ext. 265
    No charge for reciprocating libraries
    Ask for Mrs. Shink

Colby College (COLBY)

    Interlibrary Loan
    Colby College Library
    Waterville, Maine 04901

    Telephone no.: 872-3288
    Photocopy charges per page: 15 cents; minimum $5.00
    No charge to reciprocating libraries

College of the Atlantic (COA)

    Thorndike Library
    College of the Atlantic
    Eden Street
    Bar Harbor, Maine 04609

    Telephone no.: 288-5015 Ext. 211
    No charge to reciprocating libraries

Darling Center of the University of Maine (UMDAR)

    Library
    Darling Marine Center
    Walpole, Maine 04573

    Telephone no.: 563-3146, Ext. 226
    Photocopy charges per page: 10 cents

Department of Human Services (DHS)

    Department of Human Services Library
    157 Capitol Street
    Augusta, Maine 04333

    Telephone no.: 289 5393 or 289-5390
    No charge for photocopying

Department of Marine Resources

    See: Bigelow Laboratory

Dyer Library (DYER)

    Dyer Library - York Institute Museum
    371 Main Street
    Saco, Maine 04072

    Telephone no.: 283-3861

Eastern Maine Medical Center (EMMC)

    Health Science Library
    Eastern Maine Medical Center
    489 State Street
    Bangor, Maine 04401

    Telephone no.: 945-8228
    No charge to reciprocating libraries

Eastern Maine Technical College (EMTC)

    Library
    Eastern Maine Technical College
    354 Hogan Road
    Bangor, Maine 04401
    Telephone no.: 941-4600

Foundation for Blood Research (FBR)

    Library
    Foundation for Blood Research
    Box 190
    Scarborough, Maine 04074-0428

    Telephone no.: 883-4131
    No charge to reciprocating libraries

Franklin Memorial Hospital (FMH)

    Librarian, Medical Library
    Franklin Memorial Hospital
    One Hospital Drive
    Farmington, Maine 04938

    Telephone no.: 778-603'.

Goodall Hospital (GOOD)

Health Sciences Library
H.D. Goodall Hospital
25 June Street
Sanford, Maine 04073

Telephone no.: 324-4310 ext 318

Gould Memorial Hospital

See: Aroostook Medical Center

Greater Portland Landmarks, Inc. (GPL)

Frances W. Peabody Research Library
165 State Street
Portland, Maine 04101

Telephone no.: 774-5561

Houlton Regional Hospital (HRH)

Medical Library
Houlton Regional Hospital
20 Hartford Street
Houlton, Maine 04730

Telephone no.: 532-9471, Ext. 174

Husson College (HUSSON)

Interlibrary Loan
Husson College Library
One College Circle
Bangor, Maine 04401

Telephone no.: 947-1121, Ext. 222, 284
Photocopy charges per page: 10 cents
Reciprocal agreements honored

Jackson Laboratory (JLAB)

Library
The Jackson Laboratory
600 Main Street
Bar Harbor, Maine 04609

Telephone no.: 288-3371, Ext. 208

Kennebec Valley Medical Center (KVMC)

Library
Kennebec Valley Medical Center
6 E. Chestnut Street
Augusta, Maine 04330

Telephone no.: 626-1325

Kennebec Valley Technical College (KVTC)

Media Center
Kennebec Valley Technical College
P.O. Box 29
Fairfield, Maine 04937-0029

Telephone no.: 453-9762 Ext. 162 or 163
Photocopy charges per page: reciprocity for
HSLIC & T.C.'s; 10¢ per page for others

Law and Legislative Reference Library (STLAW)

Law and Legislative Reference Library
State House - Station No. 43
Augusta, Maine 04333

Telephone no.: 289-1600
Photocopy charges per page: 20 cents
Nelinet agreement participant
Reciprocal agreements honored

Lewiston-Auburn College (LAC)

Library
Lewiston-Auburn College
51-55 Westminster St.
Lewiston, ME 4240

Telephone no.: 783-4860
FAX no.: 782-6270

Free loans to reciprocating libraries in and
out of state.
NELINET member
OCLC symbol: PGN

Lewiston Public Library (LPL)

Lewiston Public Library
105 Park Street
Lewiston, Maine 04240

Telephone no.: 784-0135
Photocopy charges per page: 10 cents
Minimum charge for photocopy service:
50 cents

Lithgow Public Library (LITH)

Interlibrary Loan
Lithgow Public Library
Winthrop Street
Augusta, Maine 04330

Telephone no.: 626-2415
Photocopy charges per page: 10 cents

Maine. Department of Marine Resources (BIGDMR)

See: Bigelow Laboratory

Maine Historical Society (MHIST)

Librarian
Maine Historical Society
485 Congress Street
Portland, Maine 04101

Telephone no.: 774-1822
Photocopy charges: 25 cents per page

Maine Maritime Academy (MMA)

Interlibrary Loan
Nutting Memorial Library
Maine Maritime Academy
Box C 1
Castine, Maine 04420

Telephone no.: 326-4311, Ext. 263
Photocopy charges, $1.00 minimum;
10 cents per page: 15 cents per page
from fiche or film: for company library,
$1.50 service charge, 25 cents per page
from paper, 40 cents from fiche or film.
Participating in Nelinet reciprocal ILL
agreement

Maine Medical Center (MMC)

Interlibrary Loan
Maine Medical Center Library
22 Bramhell Street
Portland, Maine 04102

Telephone no.: 871-2202
Minimum charge for photocopy services:
Do it yourself-10¢/page. Library staff
photocopy $8.00/article or GNERMLS coupon.
Interlibrary Loan Service charge: $8.00 or
GNERMLS coupon per interlibrary loan

Maine State Library (MSTATE)

Interlibrary Loan Service
Reference Section
Maine State Library
Station No. 64
Augusta, Maine 04333

Telephone no.: 289-3561. Reference
Photocopy charges per page: 10 cents
Minimum charge for photocopy service:
$1.00. Interlibrary loan service charge:
borrower pays return postage
Nelinet agreement participant

Medical Care Development, Inc. (MCD)

Library
Medical Care Development, Inc.
11 Parkwood Drive
Augusta, Maine 04330

Telephone no.: 622-7566
Reciprocal agreements honored

Mercy Hospital (MERCY)

Mercy Hospital
Health Sciences Library
144 State Street
Portland, Maine 04101

Telephone no.: 879-3365
Reciprocal agreements honored

Mid-Maine Medical Center (THAYER)

Health Sciences Library
Mid-Maine Medical Center
Thayer Unit
Waterville, Maine 04901

Telephone no.: 872-1224
Free loans to reciprocating libraries
in and out of state

Miles Memorial Hospital (MILES)

Miles Medical Library
Miles Health Care Center
Bristol Road
Damariscotte, Maine 04543

Telephone no.: 563-1234 Ext 253
No charge for photocopies

Millinocket Regional Hospital (MILLRH)

Mrs. Jane MacDonald, Librarian
Millinocket Regional Hospital
200 Somerset Street
Millinocket, Maine 04462

Telephone no.: 723-5161, Ext. 210

Northern Cumberland Memorial Hospital (NORCUM)

Sally M. MacAuslan, Librarian
Frederick W. Skillin Health Sciences Library
South High Street
P O Box 230
Bridgton, Maine 04009

Telephone no.: 647-8841
Photocopy costs: none

Northern Maine Medical Center (NMMC)

Medical Library
Northern Maine Medical Center
143 E. Main Street
Fort Kent, Maine 04743

Telephone no.: 834-3155, Ext. 136

Northern Maine RAISE (RAISE)

Northern Maine RAISE
P.O. Box 1238
Presque Isle, Maine 04769

Telephone no.: 764-4178

Northern Maine Technical College (NMTC)

Library
Northern Maine Technical College
33 Edgemont Drive
Presque Isle, Maine 04769

Telephone no.: 769-2461, Ext 430
Photocopy charges per page: 10 cents
Billing only for $1.00 or more
No copying from microfilm
No charge for all reciprocating libraries

Osteopathic Hospital of Maine (OHM)

Health Sciences Library
Osteopathic Hospital of Maine, Inc,
335 Brighton Avenue
Portland, Maine 04102

Telephone no.: 879-8180

Parkview Memorial Hospital (PARK)

Medical Library
Parkview Memorial Hospital
329 Maine Street
Brunswick, ME 04011

Telephone: 729-1641, Ext 264

Pen Bay Medical Center (PENBAY)

Health Science Library
Pen Bay Medical Center
Glen Cove
Rockland, Maine 04841

Telephone no.: 596-8223
FAX no.: 596-8642
No charge to reciprocating libraries

Pineland Center (PINE)

Interlibrary Loans
Pineland Center
Box E
Pownal, Maine 04069-0902

Att: Library

Telephone No.: 688-4811 Ext. 362
No charges

Portland Public Library (PPL)

Interlibrary Loan
Portland Public Library
5 Monument Square
Portland, Maine 04101

Telephone no.: 871-1700, Ext. 735
Photocopy charges: first 10 pages free;
 10¢ per page above 10 pages.
Charges for walk-in patrons on A..B.Dick,
3M, and Canon copiers: 10 cents per page

Portland School of Art Library (PSAL)

Interlibrary Loan
Portland School of Art Library
619 Congress Street
Portland, Maine 04101

Telephone no.: 775-5153
Photocopy charges per page: 10 cents
Minimum charge: $1.00

Public Utilities Commission (PUC)

Information Resource Center
Public Utilities Commission
242 State Street Station #18
Augusta, ME 04333

Telephone No: 289-3831
Reciprocal agreements honored.
Nelinet agreement participant.

Redington-Fairview General Hospital (RFGH)

Rebecca Jordan
Health Science Library
Redington-Fairview General Hospital
Fairview Avenue P. O. Box 468
Skowhegan, Maine 04976

Telephone no.: 474-5121, Ext. 419

Regional Memorial Hospital (RMH)

Health Sciences Library
Regional Memorial Hospital
58 Baribeau Drive
Brunswick, Maine 04011

Telephone no.: 729-0181, Ext 365

Rumford Community Hospital (RCH)

Health Science Library
Rumford Community Hospital
420 Franklin Street
Rumford, Maine 04276

Telephone no.: 364-4581, Ext 300

St. Joseph Hospital (SJHOSP)

St. Joseph Hospital
Health Sciences Library
360 Broadway
Bangor, Maine 04401

Telephone no.: 947-8311, Ext. 242
No charges to reciprocating libraries

St. Joseph's College (SJCOLL)

Interlibrary Loan
Wellehan Library
St. Joseph's College
Windham, Maine 04062-1198

Telephone no.: 892-6766 Ext. 352

St. Mary's Hospital (STMARY)

Health Sciences Library
St. Mary's Hospital
P.O. Box 291
Lewiston, Maine 04243-0291

Telephone no.: 786-2901, Ext. 3140
No charge to reciprocating libraries

Southern Maine Medical Center (SMMC)

   Health Sciences Library
   Southern Maine Medical Center
   Box 626
   Biddeford, Maine 04005

   Telephone no.: 283-3663, Ext. 139

Southern Maine Technical College (SMTC)

   Library
   Southern Maine Technical College
   Fort Road
   South Portland, Maine 04106

   Telephone no.: 799-7303, Ext. 230
   No charges to reciprocating libraries

Stephens Memorial Hospital (STEPMH)

   Health Science Library
   Stephens Memorial Hospital
   80 Main Street
   Norway, Maine 04268

   Telephone no.: 743-5933, Ext. 323

Thomas College (THOMAS)

   Thomas College Library
   West River Road
   Waterville, Maine 04901

   Telephone no.: 873-0771, Ext. 233
   Photocopy charges per page: 10 cents
   Will copy from microfilm

Unity College (UNITY)

   Unity College Library
   P.O. Box 167
   Unity, Maine 04988

   Telephone no.: 948-3131, Ext. 234
   Photocopy charges per page: 10 cents
   Exchange agreement honored

University of Maine (UM)

   Interlibrary Loans
   Raymond H. Fogler Library
   University of Maine
   Orono, Maine 04469

   Telephone no.: 581-1671
   Photocopy charges: 15¢ per exposure
   Fiche to fiche: 30¢
   Handling Charge: $2.50
   Will not loan Maine Census film
   Nelinet agreement participant

University of Maine at Augusta (UMA)

   Interlibrary Loans
   Learning Resources Center
   University of Maine
   Augusta, Maine 04330

   Telephone no.: 622-7131, Ext. 367
   Photocopy charges per page: 10 cents

University of Maine at Farmington (UMF)

   Interlibrary Loans
   Mantor Library
   University of Maine at Farmington
   41 High Street
   Farmington, Maine 04938

   Telephone no.: 778-3501, Ext 360
   FAX no.: 778-9991
   Photocopy charges per page: 10 cents

University of Maine at Fort Kent (UMFK)

   Blake Library
   University of Maine at Fort Kent
   Fort Kent, Maine 04743

   Telephone no.: 834-3162, Ext 214
   FAX no.: 834-3373
   Photocopy charges per page: 10 cents

University of Maine at Machias (UMM)

   Interlibrary Loan
   Merrill Library
   University of Maine
   Machias, Maine 04654

   Telephone no.: 255-3313, Ext. 234 or 355
   Photocopy charges per page: 10 cents

University of Maine at Presque Isle (UMPI)

   Library - Interlibrary Loan
   University of Maine at Presque Isle
   181 Main Street
   Presque Isle, Maine 04769-2888

   Telephone no.: 764-0311, Ext. 297
   First 30 pages free; ten cents per page
   after 30 pages. Reciprocal agreements
   honored.

University of Maine School of Law (UMLAW)

   Interlibrary Loan
   Donald L. Garbrecht Law Library
   University of Maine School of Law
   246 Deering Avenue
   Portland, Maine 04102

   Telephone no.: 780-4818
   $5.00 service charge for each request
   of 3 pages or more, plus postage

University of New England (UNE)

   Interlibrary Loan
   University of New England Library
   11 Hills Beach Road
   Biddeford, Maine 04005

   Telephone no.: 283-0171, Ext. 386
   Fax: 282-6379
   Reciprocal agreements honored.

University of Southern Maine (USM)

  Interlibrary Loan
  Gorham Campus Library
  University of Southern Maine
  Gorham, Maine 04038

  Telephone no.: 780-5343
  OCLC symbol: PGP
  Photocopy charges: minimum charge $1.50;
  includes up to 10 pages and handling
  charge. 10 cents charge per page beyond
  10 pages. Reciprocal agreements honored

  (University of Southern Maine)
  Interlibrary Loan
  Portland Campus Library
  University of Southern Maine
  96 Falmouth Street
  Portland, Maine 04103

  Telephone no.: 780-4279
  OCLC symbol: PGP
  Photocopy charges: Minimum charge $1.50;
  includes up to 10 pages and handling
  charge. 10 cents charge per page beyond
  10 pages. Reciprocal agreements honored

Veterans Administration Center, Togus (TOGUS)

  Gary Pelletier - ILL
  Learning Resources Services (142D)
  Department of Veterans Affairs
  VA Medical and Regional Office Center
  Togus, Maine 04330

  Telephone no.: 623-8411, Ext. 5866
  Fax: 623-5766
  Free service to all HSLIC members and VA
  libraries only: all others are charged an
  RML Coupon (Coupons only)

Waterville Osteopathic Hospital (WATOST)

  Library
  Waterville Osteopathic Hospital
  Kennedy Memorial Drive
  Waterville, Maine 04901

  Telephone no.: 873-0731
  No charge for photocopies

Waterville Public Library (WPL)

  Interlibrary Loan
  Waterville Public Library
  73 Elm Street
  Waterville, Maine 04901

  Telephone no.: 872-5433, 873-4779
  Photocopy charges per page: 15 cents

Westbrook College (WSTBRK)

  Interlibrary Loan
  Westbrook College Library
  716 Stevens Avenue
  Portland, Maine 04103

  Telephone no.: 797-7261, Ext. 330
  Photocopy charges per page: 10 cents

York Hospital (YORK)

  Darryl Hamson, Librarian
  York Hospital
  15 Hospital Drive
  York, Maine 03909

  Telephone no.: 363-4321, Ext. 189

OMB Approval No. 0348-0043

APPLICATION FOR FEDERAL ASSISTANCE

2. DATE SUBMITTED 1-11-91 (8-14-91 Revised)	Applicant Identifier

1. TYPE OF SUBMISSION:			3. DATE RECEIVED BY STATE	State Application Identifier
Application	Preapplication			
☐ Construction	☐ Construction		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
☒ Non-Construction	☐ Non-Construction			

5. APPLICANT INFORMATION

Legal Name: UNIVERSITY OF MAINE SYSTEM	Organizational Unit: LIBRARIES
Address (give city, county, state, and zip code): Raymond H. Fogler Library University of Maine Orono, ME 04469-0139	Name and telephone number of the person to be contacted on matters involving this application (give area code) Marilyn Lutz (207)581-1658

6. EMPLOYER IDENTIFICATION NUMBER (EIN): 0 1 — 6 0 0 0 7 6 9	7. TYPE OF APPLICANT: (enter appropriate letter in box) ☒ A

A. State
B. County
C. Municipal
D. Township
E. Interstate
F. Intermunicipal
G. Special District

H. Independent School Dist.
I. State Controlled Institution of Higher Learning
J. Private University
K. Indian Tribe
L. Individual
M. Profit Organization
N. Other (Specify): _____

8. TYPE OF APPLICATION:

☒ New   ☐ Continuation   ☐ Revision

If Revision, enter appropriate letter(s) in box(es): ☐ ☐

A. Increase Award   B. Decrease Award   C. Increase Duration
D. Decrease Duration   Other (specify):

_____

9. NAME OF FEDERAL AGENCY:

U.S. Department of Education

10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: 8 4 . 1 9 7	11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT and type:
TITLE College Library Technology and Cooperation Grants Program	☐ A. Networking Grant ☒ B. Combination Grant ☐ C. Services to Institutions Grant ☐ D. Research and Demonstration Grant

12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.):

STATE OF MAINE

13. PROPOSED PROJECT:		14. CONGRESSIONAL DISTRICTS OF:	
Start Date 10-1-91	Ending Date 9-30-92	a. Applicant Second Congressional District	b. Project First and Second Congressional Districts

15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?
a. Federal	$ 150,718 .00	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:
b. Applicant	$ 50,306 .00	DATE 10-1-91
c. State	$ .00	
d. Local	$ .00	b. NO. ☐ PROGRAM IS NOT COVERED BY E.O. 12372
e. Other	$ .00	☐ OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
f. Program Income	$ .00	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?
g. TOTAL	$ 201,024 .00	☐ Yes If "Yes," attach an explanation. ☒ No

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

a. Typed Name of Authorized Representative Richard C. Bowers	b. Title Vice Chancellor for Academic Affairs	c. Telephone number
d. Signature of Authorized Representative		e. Date Signed 8-14-91 REVISED

Previous editions Not Usable

Standard Form 424 (REV. 4-88)
Prescribed by OMB Circular A-102

Authorized for Local Reproduction

PART II – BUDGET INFORMATION
FY 1991

____A. NETWORKING GRANT   ____C. SERVICES TO INSTITUTIONS GRANT

_X_ B. COMBINATION GRANT   ____D. RESEARCH AND DEMONSTRATION GRANT

Section A. – Budget By Categories

	FEDERAL REQUEST	APPLICANT MATCHING CONTRIBUTION
1. Salary and Wages	$ 25,950	22,660
2. Fringe Benefits	6,358	5.552
3. Travel	0	0
4. Equipment (Per item cost $300 or more)	2,500	22,094
5. Supplies (Per item cost less than $300)	0	0
6. Contractual Services	111,470	0
7. Other (itemize in Section ⌣, below)	4,440	0
8. Total Direct costs(lines 1 to 7 totaled)		
9. Total Indirect Costs – _____% rate Indicate which of the line items above (1-3, 5-7) the indirect cost rate is applied to: _____.		—
10. Totals	150,718	50,306

Section B – Estimate of Expenditures and Matching Contribution

1. Year One	$	
2. Year Two		
3. Year Three		

Section C – Itemized Budget – see Instructions for Part II – Budget

Section D – Matching Contribution

An assurance that the matching requirement will be satisfied is required under section 779.10 of the program regulations. Please certify that:

If selected as a grantee, the applicant will expend, for the same purpose as the grant, an amount not less than one-third the grant during the period for which the grant is sought; and make that expenditure from funds other than those received under Title II of the Higher Education Act.

Signed_____Richard C Bowen_____Date_____

Title _____Vice Chancellor for Academic Affairs_____

REVISED 8-14-91

PART II - BUDGET INFORMATION

SECTION C: ITEMIZED BUDGET FY 91

Enhancing Access to Journal Literature

Combination Grant Category
(12 Months)

Line Item/Description	Federal Support Required	Institutional Direct Matching Support	Total Project Budget
1. Salary and Wages	25,950	22,660	48,610

Principal staff involved in the
implementation of this project are
Project Director Marilyn Lutz, Project
Coordinators from each institution and
clerical staff for data entry.

A. Project Director Lutz
   $154 per day x 25 days = $ 3,850

B. MULS Project Coordinator
   $187 per day x 38 days = $ 7,106

C. Professional Staff at each
   institution
   $154 per day x 76 days = $11,704

D. Clerical Staff
   3000 hrs x $8.65 per hr = $25,950

39   40

Line Item/Description	Federal Support Required	Institutional Direct Matching Support	Total Project Budget
2. Fringe Benefits	6,358	5,552	11,910

University of Maine System fringe
benefits amount to 24.5% of the salary
for each employee. For a salary
contribution of $22,268 total fringe
benefits equal $5,552.

For a salary of $25,950 total fringe
benefits equal $6,358.

Line Item/Description	Federal Support Required	Institutional Direct Matching Support	Total Project Budget
3. Travel	0	0	0
4. Equipment			24,594
DEC System disk drive	0	22,094	
OCLC terminal	2,500	0	
5. Supplies	0	0	0

41

42

Line Item/Description	Federal Support Required	Institutional Direct Matching Support	Total Project Budget
6. Contractual Services (Software licenses)	111,470	0	111,470
A. Software to put Maine Union List of Serials online: 18,783			
B. Innovative Interfaces periodical index software for H.W. Wilson indexes: 40,500 Social Science Index (20,250) Index to Legal Periodicals (20,250)			
C. H.W. Wilson user licenses: 52,187 Social Science Index Retrospective (22,645) Current (10,113) Index to Legal Periodicals Retrospective (12,175) Current (7,254)			
7. Other Software Maintenance (first year) Social Science Index (185/mo) Index to legal Periodicals (185/mo)	4,440		4,440
8. Total Direct Costs			
9. Total Indirect Costs			
10. Total Project Costs	150,718	50,306	201,024

13

41