

Library Research: 1983-1997

A Report to the National Institute on Postsecondary Education, Libraries, and Lifelong Learning and the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education

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Library Research: 1983-1997

A Report to

U.S. Department of Education
Office of Educational Research and Improvement

The National Institute on Postsecondary Education,
Libraries, and Lifelong Learning

and

The National Library of Education

From

Libraries for the Future
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Library Research: 1983-1997

Executive Summary

This report was commissioned by the National Institute on Postsecondary Education, Libraries, and Lifelong Learning (PLLI) and The National Library of Education (NLE), Office of Educational Research and Improvement (OERI), U.S. Department of Education to serve as the basis for decisions concerning continued U. S. Department of Education support for library research. We have sought to inform that process by describing two earlier efforts in OERI to establish a research agenda and comparing the priorities established at that time to research since accomplished. We have also examined Federal and non-Federal funding trends and compared those with the OERI priorities. Based on this data and its analysis, we have made recommendations for the U. S. Department of Education in regard to library research policy.

In 1982, *A Library and Information Science Research Agenda for the 1980s* (henceforth, “Cuadra Report”) documented a project sponsored by OERI that developed a “research agenda” through a process involving 26 researchers and practitioners, selected to represent the leadership of the field. A later document, *Rethinking the Library*, was based on yet another project sponsored by OERI in 1986-87 consisting of a series of four meetings at which field-nominated experts identified issues they considered most important to the profession. Research priorities from these two projects were consolidated for this report and used as a basis for comparison with subsequent library research.

Library research projects from 1983 to 1997 were collected and compared to the 1980s priorities that emerged from the two initiatives mentioned above. These included Federally-funded projects, non-Federally funded projects, unfunded published studies, and unfunded unpublished studies. It was found that:

- Some of the 1980s priorities were frequently met by the research studies; others were less frequently met. There were no indications that the priorities, as a group, affected the direction of research.

On the other hand,

- A comparison of “priorities” met by the surveyed library research shows a remarkable coincidence in the percentage of projects groupable under specific priorities between those projects funded by the Federal government and those privately funded, while there are quite different distributions for published research and unpublished (dissertations, conference papers, etc.) research.

In regard to funding patterns, it was found that:

- Total Federal funding for library research since 1983 has been approximately three and a quarter million dollars. In other words, total Federal support for library research has averaged less than \$275,000 per year.
- Annual Federal funding for the entire period to all library research projects has been approximately one-quarter of the typical annual funding of OERI national centers of research in other topics.
- Federal funding for library research peaked in 1987. As funding from traditional sources, such as the Department of Education, has declined, so has the amount of research on traditional areas involving physical collections, their use and access.
- Total non-Federal funding for library research since 1983 has been under \$6 million (\$5,593,797), or approximately \$430,000 per year.
- Total funding for library research, Federal and private, has averaged less than three-quarters of a million dollars per year since 1983.
- In recent years, funding for library research from other Federal agencies, including the Department of Defense, and from two large private foundations, has sharply increased in the specific research area of digital or electronic library planning.

The unfocused nature of library research in the period 1983-1997, the decline in research support from traditional sources, the relatively low level of federal support in relation to other research areas advanced through National Research Centers, and recent shifts in research support towards electronic library issues, all suggest the need for a coordinated national agenda for library research. Recommendations include:

- Develop a national library research policy and capacity.
- Develop a Federal -- interdepartmental -- library research policy.
- Develop a National Center for Library Research, modeled after other U.S. Department of Education research centers, to provide national and Federal leadership in library research. The National Center for Library Research should be closely linked to both the National Institute on Postsecondary Education, Libraries, and Lifelong Learning and the National Library of Education, with strong liaison relationships with the National Science Foundation and other Federal funders of library research, especially the Institute for Museum and Library Services, the National Endowment for the Humanities and the United States National Commission on Libraries and Information Science.

Library Research: 1983-1997

Findings

Background

The following analysis of library research emerged from a concern in the field, shared by Office of Educational Research and Improvement (OERI) officers, regarding the paucity of research on public libraries and the perceived lack of a research agenda for the nation's libraries. This is not a new concern. In 1982 *A Library and Information Science Research Agenda for the 1980s* (henceforth, "Cuadra Report") documented a project conducted for the Department of Education, Office of Libraries and Learning Technologies, under the direction of Dr. Carlos A. Cuadra, President of Cuadra Associates. The project developed a "research agenda" through a process involving 26 researchers and practitioners, selected to represent the leadership of the field. The intention of those planning the project was that the research agenda developed would be the basis for planning of public investments in library research. The process included a three-day meeting during which the project participants identified a research agenda based on submissions from the fifteen researchers among the project participants who had each developed approximately six proposed research projects. The research agenda that resulted was thought proper to "guide and support the allocation and targeting of present and prospective research funds."

Then, in 1986-87, OERI, through the Office of Library Programs, held a series of four meetings at which field-nominated library experts identified issues they considered most important to the library profession. Office of Library Program staff then developed a list of the major issues. The resulting study, *Rethinking the Library in the Information Age: Issues in Library Research -- An Agenda for the 1990s* (1989), "was designed to identify researchable issues that could help libraries attain -- or maintain -- a position of leadership in the information society."

The present report was commissioned to review the match between those past priorities and the actual research conducted; determine emerging research topics, and serve as the basis for decisions concerning the establishment of a new research agenda and continued U. S. Department of Education support for library research. We have sought to inform that process by describing the two earlier efforts to establish a research agenda and comparing the priorities established at that time to research since accomplished. Because the Cuadra research agenda was completed in 1982, it was determined that we should examine research from 1983 on. We have also examined funding trends and compared those with those same priorities. Based on this data and its analysis, we have made recommendations for the U. S. Department of Education in regard to library research policy.

Table I lists the research priorities that emerged from the Cuadra Report and *Rethinking the Library* and notes those which are similar in each.

Table I: Research Priorities

Report	Priority	Common to both?
Cuadra (1982)		
C1.	Information Generation and Provision of Information Services	
C2.	Information Users and Uses	(RL 9)
C3.	Planning and Evaluation of Library and Information Services/Systems	
C4.	Economics of Information and of Library and Information Services	(RL 7)
C5.	Education and Professional Issues	(RL 2 & RL 8)
C6.	Intellectual Freedom	
Rethinking the Library (1989)		
RL1.	Policy issues: federal, state, and local roles and responsibilities	
RL2.	Education and training of librarians	(C5)
RL3.	Access to information	
RL4.	Archives and preservation	
RL5.	Organizing, indexing, and retrieving materials	
RL6.	Role of the public services librarian	
RL7.	Library funding and economics	(C4)
RL8.	Libraries and education	(C5)
RL9.	Information users and needs	(C2)
RL10.	Library models	

The priorities developed by the two 1980s reports have been combined and coded for the purposes of this study. Table II consolidates the sixteen priorities from the two reports (Cuadra Report = C; Rethinking Library = RL) and assigns them twelve reference letters:

Table II: Consolidated Priorities

a.	b.	c.	d.	e.	f.
C1	C2 RL9	C3	C4 RL7	C5 RL2 RL8	C6
g.	h.	i.	j.	k	l.
RL1	RL3	RL4	RL5	RL6	RL10

This yields the following key to the consolidated priorities:

a=Information Service;

b=Information Use;

c=Information Planning;

d=Economics of Information;

e=Professional Issues;

f=Intellectual freedom;

g=Policy Issues;

h=Information Access;

i=Archives;

j=Organizing Materials;

k=Public Services;

l=Library Models

By documenting and categorizing a substantial number of Federally and privately funded projects and both published and unpublished related research, this report is intended to provide a framework for identifying trends or gaps in funded research that may be of concern to the field and to funders. It may also throw light on the policy question of whether the establishment of research priorities as attempted in the 1980s report is an adequate mechanism for shaping the nation's library research agenda.

This paper also describes the major public and private funding source sponsors for library and information science research; the primary recipients of such funding; and asks whether funded projects have met expectations concerning research priorities in contributing to the needs of this field. Finally, it recommends how the library profession and funding entities, including the federal government, philanthropic organizations, academic institutions and related organizations, might more successfully approach the development of a national agenda for library research. We believe that this information will be useful for developing strategies and programs for improving research in library and information science and for assisting Federal policy-makers in planning for Federal funding of library research.

Key Findings -- Priorities

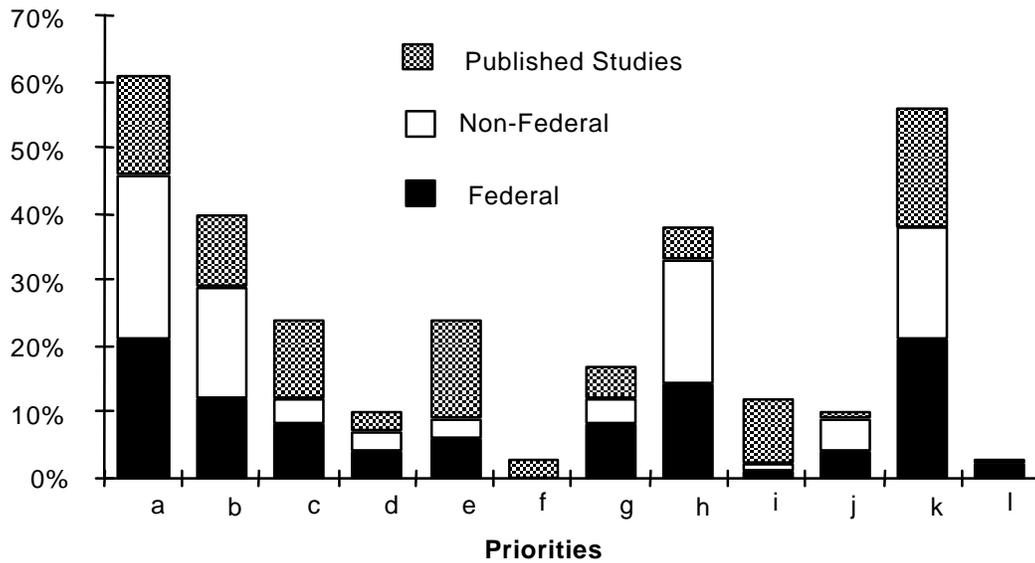
Federally-funded library research projects between 1983 and 1997, library research projects funded by non-Federal organizations, and other “professionally rigorous” published studies for the period were tabulated and assigned to appropriate priorities from the 1980s reports. (See the chapter on Research Methodology on page 15 for further information). In most cases projects and studies were credited under more than one priority. The tabulation given in Matrices A and B (pages 61 and 66) yields the following distribution of studies by priority:

Table III: Distribution of Research by Priority

Priority	A	B	C	D	E	F	G	H	I	J	K	L
Federal	21%	12%	8%	4%	6%	0%	8%	14%	1%	4%	21%	2%
Non-Federal	25%	17%	4%	3%	3%	0%	4%	19%	1%	5%	17%	1%
Studies	15%	11%	12%	3%	15%	3%	5%	5%	10%	1%	18%	0%

Figure 1

Library Research Priorities: 1983 - 1997



The table above, and even more clearly, the graph, demonstrates that:

- Some of the 1980s priorities were frequently met by the research studies; others were less frequently met. There were no indications that the priorities, as a group, affected the direction of research.

On the other hand,

- A comparison of “priorities” met by the surveyed library research shows a remarkable coincidence in the percentage of projects groupable under specific priorities between those projects funded by the Federal government and those privately funded, while there are quite different distributions for published research.

From this we can logically conclude first, that either non-Federal funding sources followed the lead of Federal funding agencies in the distribution of library research support across priorities, or, as is more likely, that neither the Federal funding agencies nor the non-Federal funders appropriated support for library research in accordance with the 1980s priorities. The most reasonable explanation for the coincidence in Federal and non-Federal funding patterns is that both are attributable to a common factor other than the 1980s priorities and that the factor in question is simply the dynamic of research in the field as perceived and supported by recognized researcher “leaders.”

Funded research takes place in a complex arena of individual and institutional priorities, the sociology of research communities, and the dynamics of the formation of requests for proposals process, responses to those requests, and their evaluations. In the absence of external factors, those researchers most likely to be funded are among those most likely to participate in funding decisions -- unless, of course, their own proposals are under consideration -- formally, as participants in peer-review panels, or informally, as advisors to program officers. This self-reinforcing cycle is central to the operation of what Thomas Kuhn called “normal science,” and operates with respect to publication, citation, conference participation, tenure decisions, etc., as well as with respect to funding decisions.

If policymakers wish to establish priorities for research, priorities that may differ from those of the field, if only by establishing an order of importance among various choices, the identification of those priorities is not in itself sufficient. They must be strongly incorporated into the language of requests for proposals and into the guidelines for the proposal review process.

One mechanism frequently used to effect a national research agenda is the establishment of research centers with distinct research plans. The national centers of the U. S. Department of Education are good examples of this strategy. There is presently no national center for library research, which may account, in part, for the unfocused nature of library research in respect to the 1980s research priorities.

Key Findings -- Funding

Tables IVA and IVB show per project funding for library research by source. The information in Table IVA, Federally-funded projects, yields the following key finding:

- Total Federal funding for library research since 1983 has been approximately three and a quarter million dollars. (See section below on the Digital Library Initiative for a qualification of this statement.) In other words, total Federal support for library research has averaged less than \$275,000 per year.

Federal funding for library research peaked in 1987. Annual Federal funding for the entire period to all library research projects has been approximately one-quarter of the typical annual funding of OERI national centers of research in other topics.

The information in Table IVB, projects funded from non-Federal sources, yields the following key finding:

- Total non-Federal funding for library research since 1983 has been under \$6 million (\$5,593,797), or approximately \$430,000 per year.

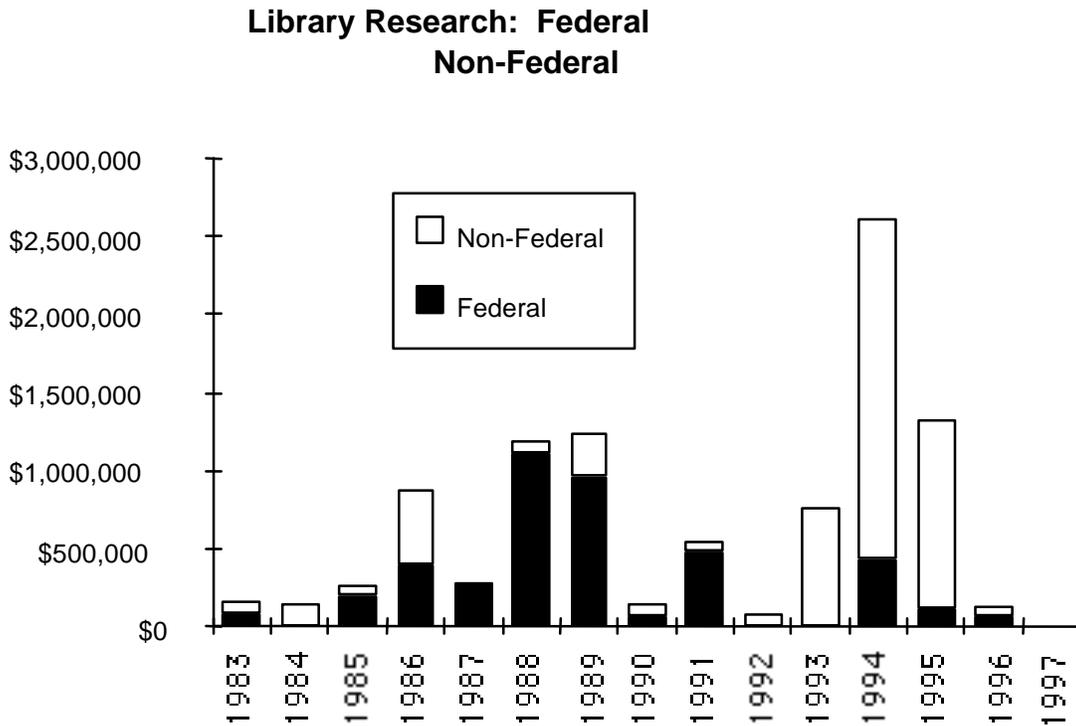
Taking the information compiled in Tables IVA and IVB together,

- Total funding for library research, Federal and private, has averaged less than three-quarters of a million dollars per year since 1983.

A special subset of funded library research projects is made up of the Federal Digital Library Initiative (not included in the analysis above), three Mellon Foundation-funded projects in 1993-94 and one Kellogg Foundation-funded project in 1995. The Mellon Foundation projects were a baseline study (Princeton University, 1993, \$210,000), an evaluation development project (Columbia University, 1994, \$700,000), and an assessment of economic factors (Princeton University, 1994, \$290,000), all concerning the electronic or digital library of the future. The Kellogg Foundation project was for institutional and policy issues, also in relationship to the development of a digital library, part of the Foundation's HRISM project (Harvard University, 1995, \$650,000). In other words, this highly significant injection of funds for library research from two of the nation's largest foundations has all been, in effect, for the same project, or, at least, the same "priority," reinforcing the even larger investments by non-traditional Federal sources in the same area.

- As funding for library research from traditional sources, such as the U.S. Department of Education, and in traditional areas involving physical collections, their use and access, has declined, funding for library research from other Federal agencies, including the Department of Defense, and from two large private foundations, has sharply increased in the specific research area of digital or electronic library planning -- which was not included among the priorities of the 1980s studies.

Figure 2



Conclusions

- There was significant overlap among the priorities identified by the two 1980s studies.
- Research activity was not evenly spread among the priorities, some receiving little, if any, attention.
- Funding patterns, whether from private or public sources, do not reflect the priorities identified in the two base studies to which the report refers.
- Federal and non-Federal funding patterns are quite similar.
- A substantial portion of library research resides in the academic sector, widely distributed in terms of numbers of projects, very narrowly distributed in terms of funding.
- The funding picture has changed radically in the last few years, traditional sources declining, others taking their place, and the emphasis shifting to electronic library issues.

Recommendations

The unfocused nature of library research in the period 1983-1997, the decline in research support from traditional sources, the relatively low level of federal support in relation to other research areas advanced through National Research Centers, and recent shifts in research support towards electronic library issues, all suggest the need for a coordinated national agenda for library research. It is recommended that the U.S. Department of Education:

- Develop a national library research policy and capacity.
- Develop a Federal -- interdepartmental -- library research policy.
- Develop a National Center for Library Research, modeled after other U.S. Department of Education research centers, to provide national and Federal leadership in library research. The National Center for Library Research should be closely linked to both the National Institute on Postsecondary Education, Libraries, and Lifelong Learning and the National Library of Education with strong liaison relationships with the National Science Foundation and other Federal funders of library research, such as the Institute for Museum and Library Services, the National Endowment for the Humanities, and the United States Commission on Libraries and Information Science.

Preliminary objectives for the National Center for Library Research might include:

1. To strengthen nationally the library-based information infrastructure and delivery system.
2. To inform investment in library development.

As the nation makes substantial investments in library services and library redevelopment -- through such programs as NSF's Digital Library Initiative, the Library of Congress' National Digital Library, the Commerce Department's TIAAP grants, the Institute of Museum and Library Services and the National Libraries of Education, Agriculture and the Environment -- it is especially important to recognize libraries as a national resource and to build a research program that can help inform public and private investment. Without such a program library development and redevelopment is chaotic, haphazard and non-strategic.

3. To develop a national perspective on connectivity among types and sizes of libraries.

A truly national library research program must embrace all types and sizes of libraries, for today the size, location, or institutional affiliation of a library is less

important than its connections to other institutions and information sources. As libraries are increasingly linked through new technologies, they are increasingly one vast institution offering seamless access to the world's information resources as well as local information and documentation.

Other objectives for the proposed National Center for Libraries will arise from the planned discussions leading to its establishment. This report will support those discussions through its documentation of nearly fifteen years of library research, its relationship to earlier priorities, its funding support, principal investigators, and institutional base.

In the early 1980's public libraries were thought of in much the same way as they had been thought of a hundred years before. They were buildings in which collections were held and made accessible to the public. As libraries are public institutions, and as those buildings are frequently large and centrally located, libraries were also seen as providing public space for library-related, and unrelated, public activities, chief among, cultural and literacy classes and exhibitions. It was probably not widely foreseen at the time that in the mid-1990s major research universities would be receiving millions of dollars for library research, not about any of these issues, but in reference to the novel concept of an electronic or digital library, and that much, if not most, of this funding would come from Federal sources not traditionally associated with library research.

The effort to establish national priorities for library research that took place within the Department of Education in the 1980s was not only overtaken by events, it was also challenged by the way in which library research is funded and by the absence of a strong policy initiative congruent with those priorities that were developed. Certainly, all the library research that is tabulated in this report can be attributed to one or more of the 1980s priorities. On the other hand, the distribution seems to indicate that the motivation for the research studies did not arise from the priorities, and, especially, the congruence between the distributions among the priorities of Federally funded and non-Federally funded research indicates that the field was not influenced by a strong perception of Federal policy in this area. The sudden support for digital library projects from Federal sources outside the Department of Education and from two key foundations is also significant in reference to Department of Education policy leadership in this area.

The nature and future of libraries and their role in the nation's information infrastructure is an increasingly important national issue in the context of the emerging global information economy. To use and develop that infrastructure to support economic development, education, cultural development, and civic involvement we must understand its relevant problems, trends and opportunities; innovative programs and institutions, and best practices in terms of library services today. The future of American libraries will include electronic, digital, collections and services. It will also include books, objects, visual materials, the functions of library buildings as focal points for research, lifelong learning and access to the digital collections currently under

development. It will include -- need it be said? -- librarians, their training, both pre-service and in-service, and it will include the public itself.

All of these are important research priorities.

There is today, even more than there was in the early 1980s, an urgent need for a national library research agenda to support the development of all facets of our libraries. An appropriate mechanism for developing and -- crucially -- supporting that agenda is ready at hand in the national research center process of OERI. Just as there are national centers in many other fields -- for example, adult literacy -- so there should be a National Center for Library Research. This Center, like other OERI centers, would:

- Conduct a coherent, sustained program of research and development to address problems and issues of national significance, using a well-conceptualized and theoretically sound framework;
- Contribute to the development and advancement of theory;
- Conduct scientifically rigorous studies capable of generating findings that contribute substantially to understanding in the field;
- Conduct work of sufficient size, scope, and duration to produce definitive guidance for improvement efforts and further research;
- Address issues of both equity and excellence in education for all students, and
- Document, report and disseminate information about research findings and other accomplishments in ways that will facilitate effective use of that information in professional development for teachers, families, and communities members, as appropriate.¹

The request for proposals process for initiating this center will include the identification of a national research agenda for library research; the funding of the center subsequently designated would be tied to work on that agenda. Funded at levels parallel with other OERI centers (approximately \$1.5 million annually), the National Center for Library Research would have at its disposal historically significant support for the national research agenda. It would also be encouraged to seek other Federal and non-Federal funding to extend its research capacity and to help coordinate public and private research on libraries and information science. In this way the goals of the 1980s initiatives of the Department of Education would be fulfilled.

¹ OERI. *Where Are We Going With Educational Research?* 1996, p. 5.

The Digital Library Initiative

The Digital Library Initiative began in 1994, when three federal agencies -- the Defense Advanced Research Projects Agency (DARPA), the National Aeronautics and Space Administration (NASA), and the National Science Foundation (NSF) -- collaboratively awarded six contracts, totaling \$24.6 million, to six university-based groups. The contracts have a duration of four years, and each university is required to provide matching support that approximately doubles the total budget of the effort.

According to the NSF webpage, the goal of the Digital Library Initiative is to “advance the means to collect, store, and organize information in digital forms, and make it available for searching, retrieval, and processing via communication networks -- all in user-friendly ways.” The initiative emphasizes the need for partnerships that include researchers, developers, and users. Many of the six universities that are sites of the Digital Library Initiative have established working relationships with commercial firms such as Xerox and Microsoft, and with large institutions such as the Library of Congress and the New York Public Library.

In 1998 the three federal agencies opened competition for Phase II of the Initiative.

The Digital Library Initiative will doubtless shape the future of information research and access, yet we have excluded it from our analysis for two reasons:

1. The level of funding so far exceeds that for all other library research that it cannot be included in the analysis without distorting the results.
2. Most of the work is being done by researchers in computer science and information science, with comparatively little input from traditional library researchers.

Nevertheless, the following information is provided as a matter of interest. Each site concentrates on a different aspect of the total project.

1. Carnegie-Mellon University. Grant \$4.8 million
Carnegie-Mellon University and WQED/Pittsburgh are creating the Infromedia interactive on-line digital video library system, which will enable users to access, explore, and retrieve science and mathematics materials from video archives. The system integrates speech, image, and natural language understanding technologies. Research will also address issues involving human-computer interaction, pricing and charging for digital video use, and privacy and security.
2. Stanford University. Grant \$3.6 million
The Stanford Digital Library project focuses on inter-operability. It is developing the enabling technologies for an integrated virtual library that will provide uniform access to networked information. The project also includes research about how to pay for

information and resources over the network, and it is collecting information about legal issues, especially the fair use of intellectual property.

3. University of California at Berkeley. Grant \$4 million

The Berkeley Digital Library focuses on environmental information. The goal is to “develop the technologies for intelligent access to massive, distributed collections of photographs, satellite images, maps, full text documents, and ‘multivalent’ documents.” Personnel include faculty, staff, and students in the Computing Science Division, the School of Information Management & Systems, and the Research Program in Environmental Planning & Geographic Information Systems.

4. University of California at Santa Barbara. Grant \$4 million

Project Alexandria is developing a digital library that will offer access to collections of maps, images, and pictorial materials as well as new electronic library services. The project has begun with collections of digitized maps, images, and airphotos relating to Santa Barbara, Ventura, and Los Angeles counties, and will grow to include components at other academic sites as well as federal agencies and public institutions including public libraries.

5. University of Illinois. Grant \$4 million

Based at the Grainger Engineering Library Information Center, this project focuses on journals and magazines in the engineering science literature. The Graduate School of Library and Information Science is conducting the research, which includes a sociological evaluation of the testbed, “technological development of semantic retrieval,” and the design of “scalable information systems (the Interspace).”

6. University of Michigan. Grant \$4 million

The project is developing the testbed of a multimedia digital library focused on earth and space sciences. The prototype system will be tested and evaluated by a wide variety of users, including college and high-school teachers and students and the users of public libraries.

Research Methodology

1. Scope of work

LFF conducted this study, during August through November 1997, under a contract with the Department of Education that defined the issues to be considered, the types of data needed, and the nature of the final product. Researchers were asked to identify “the major federal and non-federal funding sponsors for library and information science research from 1983 through June 1997, “ as well as “dissertations, meta-analyses, conference papers, journal articles, etc. that describe additional (not institutionally funded) research efforts in library and information science.” They were asked to supply, where possible, names of sponsoring institutions, nature of research done, funding level, and names of principal investigators and their institutional affiliations. The basic charge was to conduct research and perform analysis that would help identify an estimate of the nature and dollar amount of funded research and provide a reliable estimate of the extent to which library research needs identified in the last decade have been met and the extent to which further research priorities should be pursued.

1.a. Timespan of research examined

The Letter of Agreement that governed conduct of this project specified that we pay special attention to assessing the degree to which explicit federal priorities established during the 1980s and early 1990s were reflected in LIS research during the period 1983 through June 1997. The priorities had been set forth in two studies, *A Library and Information Science Research Agenda for the 1980s* (the Cuadra Report), published in 1982, and *Issues in Library Research: An Agenda for the 1990s*. A major goal of this project was to estimate the degree to which publication of the Cuadra Report and *Issues in Library Research* had influenced library and information science research.

1.b. Funded and unfunded research

The Letter of Agreement also required that LFF assess the nature of research that was not supported with grants or other outside funding. Therefore, our study made a fundamental distinction between "institutionally funded" and "not institutionally funded" projects.

1.c. Definition of the field

The Letter of Agreement broadly described the subject matter to be examined -- the large and diverse field of library and information science -- but qualified it with a proviso that the search for data should locate "particularly those [projects] relating to education, such as (but not limited to) community-based education, informal learning and access to information." Our understanding of this proviso

placed the focus of our work on the institution that historically has been most closely associated with "community-based education, informal learning and access to information" -- the public library. This interpretation was accepted by OERI and became a fundamental boundary to our work. We therefore designed a research plan that took the public library as a beginning point and central focus but reached out to include large samples of research in related subjects, such as computerization, electronic connectivity, catalogue design and testing, and so forth.

The goal of the research was not to locate every LIS project but rather, following the charge noted above, to identify projects sponsored by major funders of research and to find unfunded projects that represented "rigorous" research. We understood this charge to require collection of enough examples to provide an estimate of the nature and dollar amount of funded research and a reliable cross-section of unfunded research.

1.d. Interpretation of key phrases

The Letter of Agreement used two terms that required interpretation before they could be applied in the analysis: (i) "major funders" and (ii) "research."

(i) Major funders.

We left the definition in abeyance until we had conducted enough searching to gain a sense of what counted as large or important funding in the LIS universe. We concluded that "major" funder meant any entity that had contributed at least \$50,000, to LIS research during the period 1983-97. As our research proceeded, we decided to include lesser funders also, to give a broader context for assessing the contributions of all funders to LIS. In absolute dollar amounts these lesser funders contributed a small fraction of the amount of the major funders -- not enough to materially alter the annual dollar totals -- yet they supported many intellectually rigorous projects that merit consideration as part of the national research endeavor in LIS.

(ii) Research.

We began our work with an informal definition of research as an intellectual endeavor that has the following characteristics:

- It poses a clear question or issue
- It addresses the question or issue systematically
- It documents its data and other sources

The Letter of Agreement added specificity to our initial working definition. It asked us to consider "basic and applied research, hypothesis-testing, surveys, assessments, evaluations, investigations, experiments, and

demonstrations" (the list of categories was taken from OERI's guidelines for field-initiated fundable research). We refined the definition through an examination of those projects that OERI had verbally identified to us as constituting the core of federally funded research in the field of library and information science, as the field was interpreted in the Letter of Agreement. This examination of projects funded under the Higher Education Act, Titles IIB, C, and D, gave us a sense of how OERI wanted us to understand "research."

2. Search strategy

The Letter of Agreement required that we consider for inclusion reports and publications from projects funded by the federal government, state and local government, private foundations, businesses, and nonprofit organizations. It also included a list of categories of materials, such as "dissertations, meta-analyses, conference papers, journals articles, etc. that describe additional (not institutionally funded) research efforts in library and information science." It further asked us to identify projects by name or title and date, "as well as and where possible to supply names of sponsoring institutions, nature of research done, funding level, and names of principal investigators and their institutional affiliations."

Our search had two parts: first, identify projects and publications that seemed candidates for inclusion, and second, find abstracts or full texts that contained information about items such as institutional affiliations that were unavailable in bibliographies and other finding aids.

2.a. Databases

Following the lead of the Letter of Agreement, which required that we consult important databases, such as those of NSF and the Foundation Center, we targeted five major finding aids:

- i. ERIC: the Department of Education's on-line database, mainly for federally supported projects and education-oriented projects.
- ii. Library Literature: a standard finding aid that covers all aspects of LIS
- iii. Dissertation Abstracts: for Ph.D.s and MLS theses
- iv. National Science Foundation: for high-tech projects
- v. Foundation Center's FC Search: a beginning point for foundation grants

2.b. Other sources

We augmented these searches with targeted searches in the catalogues of the Library of Congress and the New York Public Library. We also searched the websites of selected organizations, including:

- American Library Association (ALA)
- Association of Research Libraries (ARL)
- Council on Library and Information Resources (CLIR; formerly CLR)
- U.S. National Commission on Libraries and Information Science (NCLIS)
- On-line Computer Library Center (OCLC)
- Public Library Association (PLA)
- Urban Libraries Council (ULC)

We solicited additional information directly from agencies, organizations, and foundations.

To identify projects or sponsors that may have eluded the database search, we did a cross-cutting search by examining selected serial publications, including official reports of major funding entities.

Official documents examined as part of the cross-cutting search included:

- CLIR annual reports, 1984-86, 1989-1996
- OCLC research reports, 1985-86 through 1997
- OERI abstracts of funded projects for HEA Title IIB, 1983-92
- OERI abstracts of funded projects for HEA Title IIC, 1983-91
- OERI abstracts of funded projects for HEA Title IID, 1983-89

Among the journals examined in hard copy or microfilm were:

- American Libraries 1991-97
- Drexel Library Quarterly 1983-85
- Journal of Library Administration 1983-88, 1996
- Library and Information Science Research 1984, 1986-97
- Library Journal 1994-97
- Public Libraries 1987-95
- Public Library Quarterly 1984-86
- Reference Librarian 1988, 1990
- RQ 1983-96

3. Placing data into the tables

As we acquired abstracts or complete copies of items that warranted inclusion in Tables IV or V, we began sorting them by category -- funded, unfunded. We assumed that if a publication carried no mention of a funder, it represented "unfunded" research.

3.a. The Tables

Tables IVA and B, in the words of the Letter of Agreement, identify "the major federal and non-federal funding sponsors for library and information science research from 1983 through June 1997." For each project the tables have the following categories:

- a. Sponsor (the funding entity)
- b. Program (the year that the project was funded)
- c. Focus (the subject of the research)
- d. Type (methodology or general approach; e.g. statistical analysis, case study)
- e. Funding (dollar amount)
- f. Researcher (principal investigator(s) with affiliation(s))
- g. Institution (affiliation of the P.I.; usually also the fiscal agent)

Tables VA and B identify "additional (not institutionally funded)" research efforts, and for each project have the following categories:

- a. Researcher (name and date of publication)
- b. Institution (affiliation of author)
- c. Project (title of article, dissertation, or other item)
- d. Focus (subject area)
- e. Type (methodology or general approach, e.g. statistical analysis, case study)

Table VA, research published in periodicals, is a cross-section, not a comprehensive listing. The annual production of LIS research articles -- amounting to perhaps several hundred a year -- is too large for detailed examination of the sort required by the project. However, it is likely that this selection, based on a variety of search techniques applied to an array of periodicals, captures a good sense of basic trends.

Table VB is based on a search of the Dissertation Abstracts database; it is a comprehensive listing of theses and dissertations in LIS that relate to public libraries

Each project bears a date. For funded projects the date is usually the project's beginning date; for dissertations it is the date of acceptance by the university; for periodical literature is the date of publication. Funding for multi-year projects was attributed to the beginning year.

3.b. Closing gaps

As we began placing items in the tables we identified gaps in information, most commonly the level of funding. When we could not locate information from the annual reports or grants databases of foundations and federal agencies or from webpages, we made phone calls, to approximately 40 foundations, other funders, and principal investigators.

Despite our efforts, the funding data are incomplete. In some cases we simply could not locate anyone who had the information we needed; in others the funders were unable to provide an estimate of support for projects done in-house. In addition, we did not have the time to assess the contribution of the Library Services and Construction Act (LSCA), for decades the largest federal program for public libraries. Upon advice from staff at OERI, we decided that it was not time- or cost-effective to sift through the hundreds of state reports that constitute the documentation of LSCA projects, especially considering that LSCA, aimed largely at construction, implementation, and staff support, did not constitute a major funding source for LIS research.

3.c. Removing redundancies

If we found that a given research effort was represented by more than one citation -- such as a dissertation that was also the basis for a monograph or article, or a funded project that provided the research for a journal article -- we selected only one citation to represent the research in the tables. We chose the funded manifestation of a given project over its unfunded manifestation; thus an OERI-funded project described in an annual report by the Department of Education and also represented by a journal article or monograph appears only once, in Table IV (funded projects).

4. Special assistance from sponsors/funders/libraries

At the request of LFF, Thomas C. Phelps, director of the Division of Public Programs, National Endowment for the Humanities, arranged for a search of NEH's in-house database of grant awards. Suzanne Krouse provided general information on funding of projects by OCLC and back issues of annual reports that would have been otherwise difficult to obtain. Richard Ekman, secretary of the Andrew W. Mellon Foundation, discussed project priorities and funding and sent back issues of the foundation's annual reports. James Humphrey, president of the H. W. Wilson Foundation, and his secretary searched files for funding information about projects, some dating to the mid 1980s.

Leigh Estabrook, Dean of the Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, provided information about projects at the Center on Public Library Research. Staff at the National Library of Education helped

locate annual reports for projects funded by Title II of the Higher Education Act. The files of Libraries for the Future yielded several significant items.

The Data

We have looked at four categories of research:

Federally-funded research (Table IVA);

Privately funded research (Table IVB);

Research not funded from any obvious federal or private source but published (Table VA); and

Other research not fitting the above categories but available as dissertations, conference papers and the like (Table VB).

Table IVA: Federally funded library research

(Listed in chronological order)

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OERI	HEA II-B 1983	Roles of school, academic, special, and community libraries in providing viewtext information services	assessment	60,000	Mary Deweaver	Lawrence Johnson & Assocs, Inc.
OERI	HEA II-B 1983	Determine impact of Title II-B fellowships on the library and information science profession	assessment	20,000	Mildred Lowe	St. John's University
OERI	LSCA 1983-84	Public library effectiveness: theory, measures, and determinants	assessment		Nancy A. Van House	Maryland State Library
OERI	HEA II-B 1985	Cooperative system for public library data collection, to provide data for NCES	pilot program	54,423	Mary Jo Lynch	ALA
OERI	HEA II-B 1985	Status of libraries in literacy education	survey	148,037	Douglas Zweizig et al.	University of Wisconsin Madison
OERI	HEA II-B 1986	Update of, and comparison with, a 1971 survey of library services to the aging	Survey	22,674	Betty J. Turock	Rutgers University
OERI	HEA II-B 1986	Identifying researchable issues to help librarians attain or maintain leadership positions in an information society	Assessment	348,966	Kate Joyce and Mary Kahn	Washington Consulting Group
OERI	LSCA 1986	Relationship between length of loan period and circulation in public libraries	Survey	>25,000	Susan Nelson and Herbert Goldhor	Illinois State Library
OERI	HEA II-B 1987	Cognitive models to facilitate information seeking	Development & test model	94,703	Carol Kuhlthau	Rutgers University
OERI	HEA II-B 1987	Evaluation of adult library literacy programs	Development & test manual	52,969	Douglas Zweizig	University of Wisconsin
OERI	HEA II-B 1987	The Public Library Effectiveness Study	Survey	132,000	Thomas Childers and Nancy Van House	Drexel University

Federally funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OERI	HEA II-B 1987 or 1988	Institute to review trends in key subjects related to urban libraries [grant mentioned in monograph]	Conference		Mohammed Aman and Donald Sager	University of Wisconsin Milwaukee
OERI	HEA II-B 1988	Assessing the information needs of rural Americans	Survey and training materials	59,443	Bernard Vavrek	Clarion University
OERI	HEA II-B 1988	Nature and improvement of librarian-user interaction and on-line searching for information delivery in libraries	model development and search analysis	84,823	Tefko Saracevic	Rutgers University
OERI	HEA II-B 1988	A study of the dissemination of the Public Library Planning Process	assessment	57,143	Verna L. Pungitore	Indiana University
OERI	HEA II-B 1988	Medical literature as a source of new knowledge	citation and content analysis	41,248	Ron R. Swanson	University of Chicago
OERI	HEA II-B 1988	Facilitating information seeking through cognitive modeling of the search process	surveys	93,553	Carol Kuhlthau	Rutgers University
OERI	HEA II-D 1988	Develop comparative research data on two library instruction methods for undergraduate engineering students	assessment	84,545	Frances Benham, Associate Dean of Libraries	University of Alabama
OERI	HEA II-D 1988	Evaluating use of new technology	assessment	101,622	Jack O'Bar, University Library	University of Alaska
OERI	HEA II-D 1988	Research to measure effects of a three-college automation project on users, staff, and institutions	assessment	102,643	Thomas A. Childers and Belver C. Griffith	Drexel University
OERI	HEA II-D 1988	Purchase of hardware and research and demonstration of technical requirements for a consortium	demonstration project	89,438	Patricia M. Kelly, University Library	George Washington University
OERI	HEA II-D 1988	Program to teach and guide students in using on-line public catalog and computerized and print reference sources	prototype development	117,558	Virginia Tiefel	Ohio State University Libraries

Federally funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OERI	HEA II-D 1988	Providing principles, guidelines, and desirable features for a 3rd-generation on-line public access catalog	case study	106,987	Nicholas Belkin and Tefko Saracevic	Rutgers University
OERI	HEA II-D 1988	Evaluate use of fax copiers or scanners in lieu of sending actual items or photocopies	controlled tests	175,746	Robert J. Bertholf	SUNY Buffalo
OERI	HEA II-B 1989	Developing a prototype system for intelligent information retrieval	development and field test	63,500	Philip J. Smith and Rebecca Darling	Ohio State University
OERI	HEA II-B 1989	Hypermedia and research methodology	Software development and user observation	55,500	Eleanor Langstaff	Baruch College, CUNY
OERI	HEA II-B 1989	Age analysis of public library collections	sampling and comparisons	78,375	Danny Wallace	LSU
OERI	HEA II-B 1989	Local implementation of the public library planning and role setting process	field studies	57,187	Verna Pungitore	Indiana University
OERI	HEA II-B 1989	Output measures for children's services in public libraries	development and field test	42,014	Virginia Walter	ALA
OERI	HEA II-B 1989	Assessing the role of the rural public library	survey and training manual	58,389	Bernard Vavrek	Clarion University
OERI	HEA II-D 1989	To determine if hands-on exercises improve ability to use computer-based research tools	assessment	85,677	Marvin Wiggins	Brigham Young University
OERI	HEA II-D 1989	Benefit to rural-area students and faculty of regional information networks	demonstration project	38,128	Patricia J. Cutright	Eastern Oregon State College

Federally funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OERI	HEA II-D 1989	Development of an "electronic textbook" in human physiology	system development	200,287	Naomi C. Broering, Biomedical Information Resources Center	Georgetown University
OERI	HEA II-D 1989	Development and study of an intelligent reference information system (ISIS)	system development	99,852	Robin N. Downes, University Library	University of Houston
OERI	HEA II-D 1989	Pilot computer-based training modules for staff training libraries	demo. project	66,901	Pauline S. Bayne, Music Library	University of Tennessee Knoxville
OERI	HEA II-B 1989	Factors influencing the outcome of challenges to materials in middle, junior, and high school libraries	case study	65,750	Diane Hopkins	University of Wisconsin
OERI	HEA II-B 1989	Economics of public libraries and library funding	survey; case study	57,100	Jane B. Robbins, Douglas Zweizig	Urban Libraries Council
OERI	HEA II-B 1990	The impact of school library media centers on academic achievement	data analysis	66,664	Keith Curry Lance	State Library and Adult Education Office, Colorado Department of Education
OERI	LSCA Title III 1990	Book deterioration in Ohio libraries	Assessment		Edward T. O'Neill & Wesley L. Boomgaarden	OCLC & Ohio State Library
OERI	LSCA Title I 1991	Hypermedia project to provide information in four county library systems	Demonstration project	80,000		New Jersey State Library
OERI	HEA II-B 1991	Public library planning process in smaller libraries.	case study	45,700	Verna Pungitore and Carole Nowicke	Indiana University
OERI	HEA II-B 1991	Assessment of the public library's mission in society	survey and analysis	108,354	George D'Elia	University of Minnesota
OERI	HEA II-B 1991	The use of children's materials in school and public libraries	survey and analysis	57,833	Kathleen Garland	SUNY Buffalo
OERI	HEA II-B 1991	Embracing the tiger: learning from public library literacy programs	case study	62,949	Andrew J. Seager	RMC Research

Federally funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OERI	HEA II-B 1991	Assessing information on the Internet: library services for computer-mediated communication	site and content analysis	48,675	Martin Dillon	OCLC
OERI	HEA II-D 1991	Testing a new design for subject access to on-line catalogues	field test		Karen Drabenstott	University of Michigan
OERI	LSCA Title I 1991	Hypermedia project to provide information in 4 county library systems	demonstration projects	80,000		Camden County, Neptune Public, South Brunswick, and Somerset County Bridgewater Branch libraries
U.S. Congress	1993	Adult literacy and new technologies: tools for a lifetime.	assessment		Office of Technology Assessment	
NCLIS	1994	Public libraries and the Internet: study results, policy issues, and recommendations.	baseline study	67,759	Charles R. McClure, John Carlo Bertot & Douglas L. Zweizig	
NEH	Public Programs 1994	Research and demonstration to produce a substantial body of information about the organizational, financial, and technical issues involved in applying digital imagery in the preservation arena.	demonstration project	363,491	Paul L. Conway	Yale University
NCLIS & NSF	1995	Internet costs and cost models for public libraries; publication.	baseline study	112,529	Charles R. McClure, John Carlo Bertot & John C. Beachboard	Syracuse University
NCLIS	1996	Public Libraries and the Internet	National Survey	76,965	John Carlo Bertot, et al	Syracuse University
NCLIS	1997	Public Libraries and the Internet	Update	10,000	Charles R. McClure, John Carlo Bertot & John C. Beachboard	Syracuse University

Table IVB: Privately funded library research

(Listed in chronological order)

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
Old Gold Summer Fellowship, University Iowa	1983	Naive vs sophisticated methods of forecasting public library circulations	case study		Terrence A. Brooks	University of Iowa, Iowa City
H.W. Wilson Fndtn.	1983	The national library reference survey	survey and analysis	25,000	John W. Head	Clarion University
CLR	1983	Online catalog evaluation project	data analysis	32,403	Ray R. Larson	University of California, Berkeley
CLR	1983	Relationship between bibliographic access to stored materials and faculty attitude and use	case study	31,747		University of Michigan, Ann Arbor
Fairfax County Public Library	1984	Comparative assessment of patrons' uses and evaluations across public libraries within a system: a replication	surveys and analysis		George D'Elia and Elanor Jo Rodger	University of Minnesota & PLA
CLR	1984	Dewey Decimal Classification as an on-line searching tool for subject access	assessment	94,350		Forest Press, Albany, NY
CLR	1984	Measuring public services impact of an on-line catalog	assessment	19,200	Louise S. Sherby	Columbia University
CLR	1984	User success with an on-line catalog	case study	15,736	Nancy C. Kranich, et al	NYU
CLR	1984	Costs of consortium membership	assessment	23,500		Tantalus, Inc.
University of Michigan	1984	Childhood Socialization: Its Effect on Adult Library Use and Adult Reading	survey and analysis	5,000	Ronald R. Powell, Margaret T. Taylor, David L. McMillen	University of Michigan
St. Lawrence University Library	1985	Union-nonunion wage differentials in the public library	economic analysis	500	Mary F. Rosenthal	Duluth Public Library
Benton Fndtn.	1985	Support of ACLU's work on privacy implications of new computer and communication technologies	exploratory study	25,000		ACLU

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
Benton Fndtn.	1985	Telecommunication needs of nonprofits in the Twin Cities area; resource directory; seminars on new technologies	survey and assessment	15,000		Spring Hill Center, Wayzata, MN
Rutgers University Research Council	1985	Organization factors in multitype library networking: a national test of a model	field test		Betty J. Turock	Rutgers University
University Wisconsin, Oshkosh	1985	Development and evaluation of a measure of library automation	development and testing	2,000	Verna L. Pungitore	Indiana University
CLR	1985	Role of fees in supporting library and information services	assessment	10,000		National Commission on Libraries and Information Science
CLR	1985	Impact of transaction fees on interlibrary loan	assessment	2,960	James H. Sweetland & Darlene E. Weigand	State Historical Society of Wisconsin
CLR	1985	Time management in academic libraries	assessment	2,773		University of Arizona, Tucson
CLR	1985	Impact of technological changes on library functional units	case study	3,000		University of Illinois, Chicago
CLR	1985	Knowledge Bases and Library Education	survey and analysis	2,100	Ronald R. Powell and Sheila D. Creth	University of Michigan
OCLC	1985-86	Advanced interface design for library retrieval systems	design and prototype	NA	Martin Dillon	OCLC
OCLC	1985-86	Automated title page cataloging	design and testing	NA	Stuart Weibel	OCLC
OCLC	1985-86	Class dispersion between the Library of Congress classification and the Dewey Decimal classification	assessment	NA	Diane Vizine-Goetz	OCLC
OCLC	1985-86	CONSER abstracting and indexing title overlap	assessment	NA	John E. Tolle	OCLC

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OCLC	1985-86	Display formats; to develop experimental methods for evaluating human-computer interfaces and refine evaluation techniques	design	NA	John E. Tolle	OCLC
OCLC	1985-86	Graph-Text; to develop prototype electronic document delivery system	design and field testing	NA	Thomas Hickey	OCLC
OCLC	1985-86	Nonfiction book use by public library users	case study	NA	Chandra Prabha	OCLC
OCLC	1985-86	OCLC CD-ROM retrieval system	design and field test	NA	Terry Noreault	OCLC
OCLC	1985-86	OCLC database use analysis: determination of an appropriate database subset for cataloging on the OCLC M300 Workstation	assessment	NA	Brigitte L. Kenney	OCLC
Indiana University School of Library and Information Science	1986	Perceptions of change and public library directors in Indiana: an exploratory study	survey and analysis	650	Verna L. Pungitore	Indiana University
CLR	1986	Relationships between library schools and their institutions' libraries	assessment	3,000	Marianne Cooper & Shoshona Kaufmann	Queens College, CUNY
CLR	1986	The RLG conspectus as a collection management tool	assessment	10,000		Research Libraries Group, Inc.
CLR	1986	Information needs of public affairs scholars	assessment	2,996		SUNY Albany
CLR	1986	Coverage of library and information science in bibliographic databases	assessment	2,935		SUNY Buffalo
CLR	1986	Statistical reliability of indicators in the RLG conspectus for music	assessment	3,000		SUNY Buffalo
CLR	1986	Long-range planning for libraries and information resources in research universities	planning	400,000		UCLA
CLR	1986	Effects of human factors on a library computer literacy program	case study	3,000		University of Missouri, Columbia

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
CLR	1986	Roles of information managers in U.S. universities	assessment	10,990		University of Pittsburgh
CLR	1986	Users' interest in digitized images	case study	2,964		University of Texas, Austin
CLR	1986	Effects of published reviews on library purchasing decisions	assessment	2,965		University of Wisconsin, Milwaukee
Ford Fndtn.	1986	Kinds of information available on neighborhood development for use by citizens and public officials	assessment	40,000		CUNY
OCLC	1986-87	Comparative classification; investigates interdisciplinary nature of classification theory and method	assessment	NA	Francis L. Miksa	OCLC
OCLC	1986-87	Library of Congress Class M subset: music; to identify methods of correcting records and create a prototype database	assessment and design	NA	Jeanette M. Drone	OCLC
OCLC	1986-87	Online Union Catalog subsetting analysis	assessment	NA	John A. Bunge	OCLC
OCLC	1986-87	Assessing access to alternative press publications: women's press titles in the OCLC online Union Catalog	assessment	NA	Suzanne Hildenbrand	SUNY Buffalo
OCLC	1986-87	Dynamics of the OCLC online Union Catalog	assessment	NA	Debora Shaw	Univ. Illinois, Urbana-Champaign
OCLC	1986-87	Holdings as a measure of journal value	assessment	NA	Danny P. Wallace	LSU
OCLC	1986-87	Studies in automatic cataloging	survey analysis	NA	Elaine Svenonius	UCLA
OCLC	1986-87	Variations in subject cataloging in non-Library of Congress cataloging records	survey analysis	NA	Lois Mai Chan	Univ. Kentucky, Lexington
OCLC, CLR, Univ. Michigan	1986-87	Increasing the Accessibility of Library of Congress subject headings in online bibliographic systems	assessment	NA	Karen Markey et al.	OCLC & Univ. Michigan
CLR	1987	User persistence in scanning LCS postings	case study	1,200	Stephen E. Wiberley, Jr., et al	University of Illinois, Chicago
CLR	1987	User persistence in scanning LCS postings	case study	1200	Stephen E. Wiberley et al.	Univ. Illinois, Chicago

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OCLC	1987-88	Automated document structure analysis	design	NA	Stuart L. Weibel	OCLC
OCLC	1987-88	Clustering equivalent bibliographic records	assessment	NA	Elaine Svevonius	OCLC
OCLC	1987-88	Collection analysis; examines monographic acquisitions of selected ARL members	assessment	NA	Edward T. O'Neill	OCLC
OCLC	1987-88	Connectionist models of computation: their potential in information systems	exploratory study	NA	Stuart T. Weibel	OCLC
OCLC	1987-88	Duplicate detection and the "species problem"	assessment	NA	John A. Bunge	OCLC
OCLC	1987-88	Managing large retrievals	exploratory study	NA	Chandra G. Prabha	OCLC
OCLC	1987-88	Scholars cross-reference system; a way of collecting, enhancing, and using bibliographic relationships not manifest in text per se	exploratory study	NA	Paul B. Kantor	OCLC
University Wisconsin Institute on Race and Ethnicity & University Wisconsin Graduate School	1988	Toward a conceptual model of factors influencing the outcome of challenges to library materials in school settings	literature survey and analysis		Dianne McAfee Hopkins	University of Wisconsin, Madison
CLR	1988	Microcomputer-based digital imaging as a technique for preserving library materials	field test	2,500		UCLA
CLR	1988	To study users of full-text databases	case study	2,988	Carol Tenopir, Diane Nahl-Jakobovits, Dara Lee Howard	University of Hawaii, Manoa
CLR	1988	Perceived values of advanced subject degrees	case study	3,000	Mary Grosch & Terry Weech	University of Illinois, Urbana
CLR	1988	Information needs of philosophers	baseline study	34,625	Mary Ellen Sievert	University of Missouri, Columbia

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
Illinois State Library	1988	Survey of children's librarians in Illinois public libraries	survey		Lorienne Roy	University of Texas Austin
OCLC	1988	Analytical study of bibliographic data on a title page	assessment	3,000-10,000	Billie Grace Herring	Univ. Texas, Austin
OCLC	1988	Applying the revised MARC format for three-dimensional objects in museums	assessment	3,000-10,000	Esther G. Bierbaum	Univ. Iowa, Iowa City
OCLC	1988	Evaluating subject collections	design and test	3,000-10,000	Howard D. White	Drexel Univ.
OCLC	1988	Measurement of subject scatter in the superintendent of documents classification	case study and design	3,000-10,000	Lee Shiflett	LSU
OCLC	1988	Subject representations in monographic records	assessment	3,000-10,000	Pamela Reekes McKirdy	Simmons College
OCLC	1988-89	Enhancing topical searching using classification clustering	exploratory study	3,000-10,000	Ray R. Larson	Univ. California, Berkeley
OCLC	1988-89	Relationship between library holdings and selection sources	survey analysis	3,000-10,000	Judith Serebnick	Indiana Univ.
OCLC	1988-89	Automated document architecture processing and tagging (ADAPT)	design	NA	Stuart L. Weibel	OCLC
OCLC	1988-89	Bibliographic control and document architecture in hypermedia databases	assessment	NA	Roland Hjerppe	OCLC
OCLC	1988-89	Cataloger's assistant; prototype system for supporting the cataloging function	design and testing	NA	Diane Vizine-Goetz	OCLC
OCLC	1988-89	Cataloging time and workflow studies; in 1 public and 3 academic libraries	case study	NA	Chandra G. Prabha	OCLC
OCLC	1988-89	Design of interfaces and databases for electronic media (DIADEM)	assessment	NA	Martha J. Lindeman	OCLC
OCLC	1988-89	Document image processing toolbox	design	NA	John C. Handley	OCLC
OCLC	1988-89	Enhanced bibliographic retrieval	assessment	NA	Martin Dillon	OCLC
OCLC	1988-89	The Experimental Library System (XLS)	design and testing	NA	Thomas B. Hickey	OCLC

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
CLR	1989	Knowledge management: expanding the scholarly role of research libraries	assessment	182,808		Johns Hopkins University
Policy Research Institute, University Texas Austin	1989	AIDS information services in U.S. public libraries: national comparison of attitudes	survey		W.Bernard Lukenbill	University of Texas, Austin
Andrew W. Mellon Fndtn.	1989	University Libraries and Scholarly Communication	baseline study		Anthony Cummings et al.	
CLR	1989	Academic administrators' views on the role of college libraries	survey and analysis	1,830	Larry Hardesty & David Kasser	Eckerd College
CLR	1989	Unobtrusive testing of reference service in a divisional academic library	case study	1,800	Cheryl Elzy, Alan Nourie, F.W. Lancaster	Illinois State University Normal--Bloomington
CLR	1989	Scope and impact of bookmobile service in the U.S.	assessment	3,000	Bert R. Boyce & Judith I. Boyce	LSU
CLR	1989	Use of MARC formats for cataloging art objects	field test	20,000		Museum Computer Network, Syracuse, NY
CLR	1989	Editing efficiency of an on-line bibliographic information system	case study	2,350		North Carolina State University, Raleigh
CLR	1989	Impact of interdisciplinary research on library collection-building	assessment	3,000		Rutgers University
CLR	1989	Economic analysis of scholarly periodical costs	baseline study	27,800		Stanford University
CLR	1989	Test of measures and correlates of academic library performance	field test	3,000		University of California, Berkeley
CLR	1989	Humanists' use of libraries	case study	23,000		University of Illinois, Chicago
CLR	1989	Application of behavioral research methodology to environmental design problems in libraries	exploratory study	2,587		University of Illinois, Urbana
CLR	1989	Improving subject searching in online catalogs	exploratory study		Karen Markey Drabenstott & Diane Vizine-Goetz	Univ. Michigan; OCLC

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
CLR	1989	Advanced retrieval methods for online catalogs	survey and design of model		Edward A. Fox	Virginia Polytechnic Institute and State Univ.
OCLC	1989-90	General structure of a knowledge base for Anglo-American cataloging rules	exploratory study	3,000-10,000	Ling Hwey Jeng	Univ. Maryland, College Park
OCLC	1989-90	Identifying barriers to effective subject access in library catalogs	case study	3,000-10,000	F.W. Lancaster	Univ. Illinois, Urbana-Champaign
OCLC	1989-90	Investigating the structure of LCC and LCSH: developing a knowledge base	assessment	3,000-10,000	Dagobert Soergel	Univ. Maryland, College Park
OCLC	1989-90	Toward integration of online resources	exploratory study	3,000-10,000	Linda C. Smith et al.	Univ. Illinois, Urbana-Champaign
OCLC	1989-90	The interlibrary loan process; data from 1 public and 1 academic library	case study	NA	Chanrda G. Prabha	OCLC
CLR	1990	Environmental factors in professional development activities: does type of academic library affiliation make a difference?	survey analysis	2,936	W. Michael Havener and Philip Worrell	University of Oklahoma
American Library Association	1990	Information Services to Small Businesses from Public Libraries	design and field test	10,000	Evelyn Daniel	University of North Carolina at Chapel Hill
University Illinois, Urbana-Champaign	1990	Gender differences in attitudes toward using computers in libraries: an exploratory study	case study	1,600	Frances F. Jacobson	University High School Library, University of Illinois at Urbana-Champaign
Millbrook Press, Inc.	1990	The Millbrook Report: the changing role of the school library	interviews & survey			
CLR	1990	Comparison of on-line and manual search capabilities of students	case study	1,000		Kent State University
CLR	1990	Information seeking behavior of scientists	case study	5,150		University of Colorado, Boulder

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
CLR	1990	Study of searching strategies on CD-ROM		32,512		University of Illinois, Champaign-Urbana
OCLC	1990	Public libraries and the INTERNET/NREN, to explore roles for the public library in the networked environment	survey	10,000	Charles R. McClure et al.	Syracuse Univ.
OCLC	1990-91	Automatic hierarchical organization of phrases using machine-readable dictionary information	design and prototype	3,000-10,000	Amy J. Warner	Univ. Michigan
OCLC	1990-91	Determining the content of machine-readable subdivision records	exploratory study	3,000-10,000	Karen Markey Drabenstott	Univ. Michigan
OCLC	1990-91	Expert system interface to Library of Congress subject headings	design	3,000-10,000	Padmini Srinivasan	Univ. Iowa, Iowa City
OCLC	1990-91	Scholars' access to the documents they cite	survey analysis	3,000-10,000	Keith Swigger	Texas Woman's Univ.
OCLC	1990-91	Obsolete Library of Congress Subject headings	assessment and design	NA	Roy Cheng et al.	Western Illinois Univ. & OCLC
OCLC	1990-91	Record matching for authority control	assessment	NA	Edward T. O'Neill	OCLC
University of Illinois SILS	1991	National opinion poll on public library issues	survey	25,000	Leigh Estabrook	University of Illinois Library Research Center
CLR	1991	Conference on public library effectiveness	conference	16,760		Drexel University
CLR	1991	Comparison of journal use to reported relative value, college discipline, and subscription cost	assessment	3,000		Texas A&M University
CLR	1991	Effects of integrating information technology on job classification and compensation systems	case study	18,560	Anne Woodsworth	University of Pittsburgh
OCLC	1991	Public libraries and the INTERNET/NREN, to explore roles for the public library in the networked environment	survey	10,000	Charles R. McClure et al.	Syracuse University

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
Assoc. College Research Libraries & Consulting Psychologists Press	1991-92	Shattering our stereotype: librarians' new image	survey and analysis	15,000	Mary Jane Scherdin	Edgewood College Library
OCLC	1992	Enhancing a new design for subject access to on-line catalogues	case study	10,000	Karen Drabenstott	University of Michigan
CLR	1992	Interlibrary loan cost study	assessment	10,000		ARL
CLR	1992	Determining factors leading Earlham College graduates to enter library schools	case study	1,000		Earlham College
CLR	1992	Functionality of on-line catalogs	assessment	11,000	Charles R. Hildreth	Charles R. Hildreth, Springfield, IL
CLR	1992	Price discrimination of economics journals	assessment	3,109	George A. Chressanthus & June D. Chressanthus	Mississippi State University
CLR	1992	Decision-making process for collection development in libraries	case study	6,359		Simmons College
CLR	1992	Effectiveness of affirmative action guidelines on recruitment and promotion of minority librarians	case study	2,879		University of Arizona, Tucson
CLR	1992	Users' persistence in scanning postings in an on-line public access catalog	case study	5,330	Stephen E. Wiberley, Jr., et al	University of Illinois, Chicago
Andrew W. Mellon Fndtn.	1992	Research Libraries Project		25,000		ARL & Association of American Universities
OCLC	1992-93	Electronic texts and traditional indexes: a study of applicability and performance	case study	3,000-10,000	Elizabeth D. Liddy	Syracuse Univ.
OCLC	1992-93	Measuring diversity in public library collections	survey and design	3,000-10,000	Judith Serebnick & Frank Quinn	Indiana Univ.
OCLC	1992-93	Document ranking using signature files	exploratory study	NA	Dik Lun Lee	Ohio State Univ.

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OCLC	1992-93	Estimating interlibrary loan volume in 1993; includes public libraries	statistical analysis	NA	Chandra G. Prabha	OCLC
OCLC	1992-93	Experimental linguistic indexing for information retrieval (ELIXIR)	exploratory study	NA	C. Jean Godby & Bradley C. Watson	OCLC
OCLC	1992-93	Modeling user's preferences for document delivery	survey analysis	NA	Mark T. Kinnucan	Univ. Western Ontario
University Illinois, Urbana-Champaign	1992 or 1993	Logical reasoning and retrieval performance	field test and analysis	500	Bryce Allen	University Illinois, Urbana-Champaign
Andrew W. Mellon Fndtn.	1993	Economics of electronic library of the future	baseline study	210,000		Princeton University
CLR	1993	Information-seeking patterns of faculty members and their use of an on-line system	case study	3,518	Ingrid Hsieh-Yee	Catholic University of America
CLR	1993	Information-seeking process among population-studies researchers	case study	4,000		Johns Hopkins University
CLR	1993	Cost and beneficial impacts of library functions	assessment	97,612	Paul Kantor, Joanna D'Esposito-Wachtmann, Tefko Saracevic	Rutgers University
Camille and Henry Dreyfus Fndtn.	1993	Cost-effectiveness of distributive access model of electronic library as part of Fndtn.'s Planning Grants for Chemical Informatics	assessment	15,000		Washington University
Henry Luce Fndtn.	1993	New electronic virtual library system, in collaboration with libraries of Harvard University and Yale University	development	300,000		Emory University
J.M. Kaplan Fndtn., O'Reilly and Associates	1993	Project GAIN: Connecting rural public libraries to the Internet [in New York State]	pilot project	65,000	Charles R. McClure et al.	Information Management Consultant Services, via NYSERnet, Inc.

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
PLA	1993	Information about library programs serving multicultural and/or multilingual populations	national survey	1,000	Lee Olivier, Robert Belvin, Sylvia Manoogian	Services to Multicultural Populations Committee of the PLA
OCLC	1993	Empirical test of gopher searching using three organizational schemes	field test	10,000	C. Olivia Frost & Joseph Janes	University of Michigan
Andrew W. Mellon Fndtn.	1993	Research Libraries Project		50,000		ARL & Association of American Universities
Illinois State Library	1994	Impact of school library media centers on academic achievement	survey	11,000	Edward Lakner	University of Illinois Library Research Center
Illinois State Library	1994	Impact of ISL per capita grant program on quality of library service	survey	6,000	Edward Lakner	University of Illinois Library Research Center
OCLC	1994	Developing control mechanisms for intellectual access for discipline-based libraries	model development	10,000	Marcia Lei Zent	Kent State University
CLR	1994	Cost-benefits of access compared to ownership costs for expensive research journals	assessment	54,012	Eleanor A. Gossen and Suzanne Irving	University at Albany Fndtn., Albany, NY
CLR	1994	Benchmarking pilot project on interlibrary loan	pilot project	17,540	Intern. Systems Services Corp. and Jack A. Siggins	ARL
CLR	1994	Analytical framework and baseline for networked information resources and services	baseline study	25,000		Coalition for Networked Information
CLR	1994	Search patterns of in-library on-line catalog users	case study	4,083		University of California, Santa Cruz
CLR	1994	Attitudes of municipal and county officials toward public libraries	survey and analysis	12,000		University of Illinois, Library Research Center
Carnegie Corporation of New York	1994	Implications of technology developments for higher education and scholarly communication	baseline study	180,000		Commission on Preservation and Access

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
Nathan Cummnngs Fndtn.	1994	Forums to assess societal impact of emerging international information infrastructure	conference	10,000		Aspen Institute
Mardag Fndtn.	1994	Library Equity and Excellence Project, designed to support library improvement and school reform in elementary school libraries in Saint Paul	demonstration project	105,000		Saint Paul Public Education Fund, Saint Paul, MN
Andrew W. Mellon Fndtn.	1994	Comprehensive evaluation methodology for ongoing activities in creating digital library	development	700,000		Columbia University
Andrew W. Mellon Fndtn.	1994	Research project on economics of electronic library of the future	assessment	290,000		Princeton University
Andrew W. Mellon Fndtn.	1994	Journal Storage Project, to make back issues or core periodicals available to faculty and students in digital format	pilot phase of project	700,000		Univ. Michigan
Andrew W. Mellon Fndtn.	1994	Journal Storage Project test sites	field tests	75,000		Five private colleges
Kellogg Fndtn.	1995	Buildings, books, and bytes: libraries and communities in the digital age; report on public's opinion of library leaders' vision of the future	survey and analysis	100,000		Benton Foundation
H.W. Wilson Fndtn.	1995	Concerns about fundraising by public institutions: public libraries as a case study	case study	37,950	Thomas A. Jeavons	Urban Libraries Council
OCLC	1995	Creating DTDs via the GB-Engine and Fred	design and test	NA	Keith E. Shafer	OCLC
CLR	1995	Information locator system prototype	demonstration project	24,880		New York State Library, Albany
W.K. Kellogg Fndtn.	1995	Institutional and policy issues in development of Digital Library	assessment	650,000		Harvard University
John and James Knight Fndtn.	1995	Project at branches serving disadvantaged neighborhoods	demonstration project	100,000		Philadelphia Free Library

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
Lilly Endowment	1995	Technological development in theological libraries	applied research	133,650		Auburn Theological Seminary
Andrew W. Mellon Fndtn.	1995	Electronic journals in field of religious studies 1995	feasibility study	250,000		Emory University
Andrew W. Mellon Fndtn.	1995	Study of interlibrary loan	assessment	160,000		ARL
OCLC	1995	Creating DTDs via the GB-Engine and Fred	design and test	NA	Keith E. Shafer	OCLC
OCLC	1995	Effect of linkage structure on retrieval performance and user response in a hypertext-based bibliographic system	field test	5,000	Alexandra Dimitroff & Dietmar Wolfram	Univ. Wisconsin, Milwaukee
Illinois State Library	1996	Impact of cooperative collection development on academic libraries of Illinois	survey	5,000	Edward Lakner	University of Illinois Library Research Center
Illinois State Library	1996	15-year cost-benefit analysis of Illinois public libraries	statistical analysis	6,000	Edward Lakner	University of Illinois Library Research Center
OCLC	1996	Impact of scholarly journals on scholarly communication: a reference and citation study	statistical analysis	3,000-10,000	Stephen P.Harter	Indiana Univ.
OCLC	1996	An experimental study on graphical tables of contents	design and testing	3,000-10,000	Xia Lin	Univ. Kentucky
OCLC	1996	Analyzing the viability of using peer group holdings as an evaluation tool for public library adult fiction	statistical study	3,000-10,000	James H. Sweetland & Judith J. Senkevitch	Univ. Wisconsin, Milwaukee
OCLC	1996	A relational thesaurus: modeling semantic relationships using frames	exploratory study	3,000-10,000	Rebecca Green	Univ. Maryland, College Park
OCLC	1996	Automatic subject assignment via the Scorpion System; building tools for automatic subject recognition based on well-known schemes	design	NA	Keith E. Shafer	OCLC

Privately funded library research

Sponsor	Program	Focus	Type	Funding	P.I.	Institution
OCLC	1996	Characteristics of articles requested through OCLC interlibrary loan	statistical analysis	NA	Chandra G. Prabha	OCLC
Libraries for the Future	1996	Private philanthropic funding of public libraries	baseline study	NA	Linda Kravitz et al.	Libraries for the Future
OCLC	1996	Impact of scholarly journals on scholarly communication: a reference and citation study	statistical analysis	3,000-10,000	Stephen P.Harter	Indiana Univ.
OCLC	1996	An experimental study on graphical tables of contents	design and testing	3,000-10,000	Xia Lin	Univ. Kentucky
OCLC	1996	Analyzing the viability of using peer group holdings as an evaluation tool for public library adult fiction	statistical study	3,000-10,000	James H. Sweetland & Judith J. Senkevitch	Univ. Wisconsin, Milwaukee
OCLC	1996	A relational thesaurus: modeling semantic relationships using frames	exploratory study	3,000-10,000	Rebecca Green	Univ. Maryland, College Park
OCLC	1996	Automatic subject assignment via the Scorpion System; building tools for automatic subject recognition based on well-known schemes	design	NA	Keith E. Shafer	OCLC
OCLC	1996	Characteristics of articles requested through OCLC interlibrary loan	statistical analysis	NA	Chandra G. Prabha	OCLC

This information was compiled from the National Library of Education's ERIC resources, NSF Searchable Databases, the Foundation Center's Grants Index, the *Chronicle of Philanthropy*, Libraries for the Future's database on philanthropic support for public libraries, and other sources.

Table VA: Journal articles
(listed in chronological order)

Researcher	Year	Institution	Project (title)	Focus	Type
Lois Buttlar & Rajinder Garcha		Kent State University & University of Toledo Library	Organizational structure in academic libraries	Examines how the work of academic librarians is structured and whether traditional functions of public services and technical services are still separated	survey & analysis
Alan R. Samuels and Charles R. McClure	1983	Dept. of Library/Educational Technology, University of North Carolina, Greensboro; School of Library Science, University of Oklahoma	Utilization of Information for Decision Making under Varying Organizational Climate Conditions in Public Libraries	Addresses the problem, Is organizational information-processing related to organizational climate in a public library setting?	case study
Peter Hiatt	1983	School of Librarianship, University of Washington, Seattle	Should Professionals Be Managers?	Discusses confusion between administration and management; formal management techniques and principles must be applied to library administration	case study
Stuart Glogoff	1983	University of Delaware	Communication Theory's Role in the Reference Interview	Examines how communication science theory contributes to the "negotiation" of reference questions between user and librarian	literature review and analysis
William Skeh Wong and David S. Zubatsky	1983	University of Illinois, Urbana-Champaign	The First-Time Appointed Academic Library Director 1970-1980: A Profile	Investigates socio-demographic characteristics of first-time appointed directors, as well as their academic training and professional activities before appointment	survey-based analysis
Marilyn Domas White	1983	University of Maryland, College Park	The Reference Encounter Model	Develops a model of the reference interview that incorporates human information processing, particularly the schema Ideas of Minsky and other theorists	exploratory study
Margaret E. Monroe	1983	University of Wisconsin, Madison	An Approach to Theoretical Foundations for Reader Services	Examines theory about reader services "as a construct of principles which interact in such a way as to permit explanation or prediction of results of their practical application"	research report
Elaine Trzebiatowski	1984	Abbott Northwestern Library, Minneapolis	End User Study on BRS/After Dark	Evaluates first-time end user reactions to on-line database searching on the menu-driven BRS/After Dark search system	case study
John W. Head 1984	1984	Clarion University of Pennsylvania	The National Rural Library Reference Survey	Discussion of survey of 1100 rural libraries	survey analysis
Gleniece Armstrong Robinson	1984	Dallas Public Library	Management Development Programs in Large Public Libraries	Asks how libraries are planning and establishing management development programs	research
Terry L. Weech and Herbert Goldhor	1984	Graduate School of Library and Information Science, University of Illinois, Urbana-Champaign	Reference Clientele and the Reference Transaction in Five Illinois Public Libraries	With data gather from a user survey, study examines feasibility of a methodology for obtaining data on behavior and perceptions	case study
John N. DePew and Anne Marie Allison	1984	School of Library and Information Studies, Florida State University, Tallahassee; University of Central Florida Libraries	Factors Affecting Academic Library Administration, 1976-1981	Reexamines surveys done in 1976 and 1981 to determine if "library administrators had control over their own libraries, and to what extent . . . that control had been diluted by internal and/or external groups, administrators and staff"	survey analysis
Ronald R. Powell	1984	School of Library Science, University of Michigan	Library Use and Personality: The Relationship between Locus of Control and Frequency of Use	Examines the relationship between personality, as represented by Rotter's internal vs. external control of reinforcement, and frequency of public library use	research report

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
S.L. Baker	1984	University of Illinois	Does the Use of a Demand-Oriented Selection Policy Reduce Overall Collection Quality?	Examines the quality versus demand debate, and finds no evidence to prove that demand-driven libraries have poorer book collections than other libraries	literature review and analysis
Barbara Herrin, Louis R. Pinton & Sara Russell	1985		Personality and Communications Behaviors of Model School Library Media Specialists	Examines stereotype of the school librarian	case study
Susan E. Hilchey and Jitka M. Hurych	1985	Argonne National Laboratory; Founders Memorial Library, Northern Illinois University	User Satisfaction or User Acceptance? Statistical Evaluation of an Online Reference Service	Evaluates user satisfaction with an on-line reference service	survey analysis
Ernest R. Alexander	1985	Dept. of Urban Planning, University of Wisconsin, Milwaukee	Cost Allocation Issues in Interlibrary Systems	Explores questions of allocating service and transactional costs	case study
Grace Donoho	1985	Old High Elementary School, Bentonville, AR	Measures of Audiovisual Production Activities with Students	Describes library media program that uses local audiovisual production as a focal point; provides a technique for measuring impact	case study
Esther Green Bierbaum	1985	School of Library Science, University of Iowa	The Third Dimension: Dealing with Objects in Public Library Collections	Based on a survey of object collections in selected public libraries; notes inverse relationship between library staff size and likelihood of having objects in collection.	survey - based study
Bonnie C. Carroll & Donald W. King	1985	U.S. Dept. of Energy Office of Scientific and Technical Information & King Research Inc.	Value of Information	Focuses on data and methods to quantify value in the hope that this will assist in the budget formulation process of libraries	baseline study
Darlene E. Weigand and Noel Ryan	1985	University of Wisconsin, Madison; Mississauga Library System (Ontario)	Managerial Competence and Skills: A Joint Study in the United States and Canada	Attempts to determine whether top-level managers of libraries have those administrative skills which facilitate effective management	survey-based study
Nancy Birch, Maurice P. Marchant & Nathan M. Smith	1986	Brigham Young University, HI; School of Library and Information Science, Brigham Young University, UT	Perceived Role Conflict, Role Ambiguity, and Reference Librarian Burnout in Public Libraries	Maslach Burnout Inventory was mailed to 825 reference librarians and results analyzed using frequencies and regression subprograms; results compared to studies of teachers	survey-based study
Mary Howes	1986	Miller School, Westmont, IL	Evaluation of the Effects of a Public Library Summer Reading Program on Children's Reading Scores between First and Second Grade	Comparison of students who participated in summer reading programs and those who did not	case study
Robert Grover and Jack Glazier	1986	School of Library and Information Management, Emporia State University; School of Library and Information Science, University of Missouri, Columbia	A Conceptual Framework for Theory Building in Library and Information Science	Proposes a model that displays relationships among phenomena and various levels of theory and research. Proposed taxonomy provides a framework for researchers and theorists.	exploratory study
Stephen E. James	1986	School of Library and Information Studies, Atlanta University	Economic Hard Times and Public Library Use: A Close Look at the Librarians' Axiom	In contrast with a British survey, author finds no data to support rule of thumb that U.S. public library use increases during economic hard times.	research
John Budd	1986	Southeastern Louisiana University	Interlibrary Loan Service: A Study of Turnaround Time	Studies use of OCLC to provide data on turnaround time and comparison over time	research report
David F. Kohl and Lizabeth A. Wilson	1986	University of Colorado, Boulder; University of Illinois, Urbana-Champaign	Effectiveness of Course-Integrated Bibliographic Instruction in Improving Coursework	Study supports "major trend emerging in bibliographic instruction of a cognitive approach to research instruction."	case study

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Peter Hernon and Charles McClure	1987	Graduate School of Library and Information Science, Simmons College; School of Information Studies, Syracuse University	Quality of Data Issues in Unobtrusive Testing of Library Reference Service: Recommendations and Strategies	Discusses issues relating to the reliability, validity, utility, and information "value" of unobtrusive testing	case study
Herbert Goldhor	1987	Library Research Center, University of Illinois, Urbana-Champaign	An Analysis of Data on the Number of Public Library Reference Questions	Analyzes data collected between 1970 and 1985 in 9 states	research report
Mary Ellen (Kennedy) Collins	1987	Purdue University	Attitudes of Public Service Academic Librarians toward the Elderly	Older Americans are increasingly prominent as students in higher education; librarians' attitudes toward them have changed	survey analysis
Robert N. Broadus	1987	School of Library Science, University of North Carolina, Chapel Hill	Information Needs of Humanities Scholars: A Study of Requests Made at the National Humanities Center	Analysis of research requests and compared with results of citation and library use studies	case study
Daniel Arrigona & Eleanor Mathews	1988	Austin Public Library (T1) and Iowa State University	A Use Study of an Academic Library Reference Collection	Types of materials consulted were interpreted by use indexes, to test hypothesis that librarians and patrons use the reference collection differently	case study
Gene V. Glass and Isabel Schon	1988	College of Education, Arizona State University, Tempe	Effects of an English-only Law on Public Library Acquisition Policies, Practices, and Librarians' Attitudes toward Books in Spanish for Children and Young Adults	Evaluates effects of the California English-only law in a "pretest-posttest nonequivalent control group quasi-experiment"	case study
Thomas Childers	1988	College of Information Studies, Drexel University	Do Library Systems Make a Difference?	A Study of the effect of federated systems was performed on the population of system and nonsystem counties in Pennsylvania	case study
Charles A. Seavey	1988	Graduate Library School, University Arizona, Tucson	Measuring the impact of public library system formation on local library service: a Wisconsin case study	Discusses four studies measuring levels of library service; develops and tests hypotheses about impact of system development	case study
Janet M. Lange	1988	independent consultant	Public Users, Nonusers, and Types of Library Use	Based on phone poll of county residents of a southwestern state, compares expected levels and types of use with actual situation.	survey analysis
Herbert Goldhor	1988	Library Research Center, University of Illinois, Urbana-Champaign	The Effect of Publicity on Interlibrary Loan Requests in Ten Illinois Public Libraries	Examines whether a publicity program had a demonstrable effect on the behavior of patrons regarding interlibrary loan	case study
Holly G. Willett	1988	School of Library and Information Studies, University of Wisconsin	The Changing Demographics of Children's Services	Analysis of current library use and U.S. demographic trends to predict future needs.	research report
Joan Durrance and Doris Preston	1988	University of Michigan	Common Public Policy Issues Faced by the Nation's Communities: Forging a Public Library Response	Drawing on studies, authors offer ways to provide users with electronic information	position paper
Elizabeth J. McNeer	1988	Wright State University Library	The Mentoring Influence in the Careers of Women ARL Directors	Examines role of mentoring, based on interviews with 16 directors	survey and analysis
Sally Felix	1989		PLA Governance of Public Libraries: Committee Findings		survey and analysis
Lawrence W.S. Auld	1989	Dept. of Library and Information Studies, East Carolina University	GRE General Test Scores and Grade Point Averages as Predictors of Professional Salaries for Librarians	Some correlations found for males and for persons employed in some types of libraries; undergraduate grade point averages were the most frequent contributors to these correlations.	research report

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Charles A. Seavey	1989	Graduate Library School, University Arizona, Tucson	The public library in society: the relationship of libraries and socioeconomic conditions	Examines factors associated with the development or success of the public library; examines numerical measures and relates them to socioeconomic factors	exploratory study
Connie Van Fleet	1989	Indiana University	Public Library Service to Older Adults: Survey Findings and their Implications	Examines national survey findings and explores need for common service philosophy based on lifelong learning	survey analysis
Michael J. Fimian, Sandra A. Benedict & Stacie Johnson	1989	New England Images; Winston-Salem/Forsyth County Schools; Amos Cottage Rehabilitation Hospital & East Forsyth High School	The Measure of Occupational Stress and Burnout among Library Media Specialists	Discusses development of Media Specialist Stress Inventory; "regression analyses indicated that four of the six stress factors predicted significant burnout levels."	research report
Robert Burgin	1989	School of Library and Information Sciences, North Carolina Central University	Guttman Scale Analysis: An Application to Library Science	Develops a Guttman scale of restrictiveness in dealing with overdues; relates data from a 1986 survey to the scale	survey analysis
V. Lonnie Lawson	1989	Ward Edwards Library, Central Missouri State University	Using a Computer-Assisted Instruction Program to Replace the Traditional Library Tour: An Experimental Study	Asks if freshmen who use a computer-assisted instruction program had higher post-test means than students who took a traditional library tour	case study
Choong Han Kim	1990	Indiana State University, Terre Haute	Occupational Users and Uses of the Public Library	Tests three hypotheses concerning public library users and uses	research report
Charles D. Patterson and Donna W. Howell	1990	Louisiana State University; University of Georgia, Athens	Library User Education: Assessing the Attitudes of Those Who Teach	Findings of a survey to determine the educational preparedness and attitudes of librarians who participate in bibliographic instruction	survey analysis
Dong Y. Jeong	1990	School of Communication, Information and Library Studies, Rutgers University	The Nature of the Information Sector in the Information Society: An Economic and Societal Perspective	Proposes a new classification model of the "information economy."	position paper
Kathleen Garland	1990	School of Information and Library Studies, University of Michigan	Gender Differences in Scholarly Publication among Faculty in ALA Accredited Library Schools	Analyzes recent productivity studies of library and information science faculty and investigated gender differences in publication among a sample of faculty over a five-year span	literature review and analysis
Frances Smardo Dowd	1990	School of Library and Information Studies, Texas Women's University	Latchkey Children: A Community and Public Library Phenomenon	Case studies, statistics, and survey data about a growing issue.	research report
Beth Sandore	1990	University of Illinois, Urbana-Champaign	Online Searching: What Measure Satisfaction?	Describes a research project that used quantitative measures to examine indicators of search satisfaction	case study
Thomas Childers, Cynthia Lopata & Brian Stafford	1991	College of Information Studies, Drexel University	Measuring the Difficulty of Reference Questions	Seeks to develop a measure of differing levels of difficulty of reference questions handled by the California interlibrary reference referral network	baseline study
Gillian S. Gremmels	1991	DePauw University Library; Indiana University	Reference in the Public Interest: An Examination of Ethics	"Examines the validity of the neutrality stance as the primary response to reference questions that present ethical dilemmas."	exploratory study
Helen M. Gothberg	1991	Graduate Library School, University of Arizona, Tucson	Time Management in Public Libraries	Survey about how library directors manage their time	survey analysis
Cheryl Metoyer-Duran	1991	Graduate School of Library and Information Science, UCLA	Information-Seeking Behavior of Gatekeepers in Ethnolinguistic Communities: a Taxonomy	Presents a model for information-seeking behavior of ethnolinguistic gatekeepers	research report

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Michael Bell and Herman L. Totten	1991	La Joya Independent School District; University of North Texas	Interactional Patterns of School Media Specialists with School Instructional Staff	Analysis of data collected from school media professionals in 19 academically distinguished public elementary schools in Texas	case study
Jim Scheppke,	1991	Oregon State Library	The governance of public libraries: findings of the PLA Governance of Public Libraries Committee	Discusses national survey aimed at determining governance of public libraries	survey & analysis
Kathleen Garland	1991	School of Information and Library Studies, University of Michigan	Nature of Publications by LIS Faculty	Examines nature of literature produced by random sample of faculty in ALA-accredited schools of library and information science, 1980-84	research report
Maurice P. Marchant	1991	School of Library and Information Sciences, Brigham Young University, Provo	What Motivates Adult Use of Public Libraries?	Examines four motivators to explain adult use of public libraries	literature review and analysis
Prudence Ward Dalrymple, Timothy Cole, Bryce Allen & Debra Wilcox Johnson	1991	University of Illinois, Urbana-Champaign; University of Wisconsin, Madison	Measuring Statewide Interlibrary Loan among Multitype Libraries: A Testing of Data Collection Approaches	Describes an attempt to design and test a data collection process in Illinois	case study
Thura Mack	1991	University of Tennessee Libraries	A Model Methodology for Selecting Women's Studies Core Journals	Citation analysis provides a meaningful evaluation tool for bibliographers and collection managers	literature review and analysis
Prudence Ward Dalrymple and Douglas L. Zweizig	1992	American Library Association; School of Library and Information Studies, University of Wisconsin, Madison	Users' Experience of Information Retrieval Systems: An Exploration of the Relationship between Search Experience and Affective Measures	Reports on factor analysis of affective data gathered from a study of searching behavior in two library catalogs	case study
James V. Carmichael, Jr.	1992	Dept. of Library and Information Studies, University of North Carolina, Greensboro	The Male Librarian and the Feminine Image: A Survey of Stereotype, Status, and Gender Perceptions	Reports results of survey of male librarians relating to the male professional stereotype and impact of social expectations and gender-related work issues	survey analysis
Christine M. Koontz	1992	Florida Resources and Environmental Analysis Center, Florida State University, Tallahassee	Public Library Site Evaluation and Location: Past and Present Market-Based Modeling Tools for the Future	Presents a new methodology for construction of location modeling for public libraries in diverse urban environments	multi-disciplinary literature review and analysis
Robert M. Hayes	1992	Graduate School of Library and Information Science, UCLA	Measurement of Use and Resulting Access Allocation Decisions	Presents a model for distribution of use of information records, and derives a means for decision-making about allocation to various levels of access	case study
Fariborz Damanpour and William M. Evan	1992	Graduate School of Management, Rutgers University; Wharton School	The Adoption of Innovations over Time: Structural Determinants and Consequences in Libraries	Delineated three groups of organizations according to their rate of innovations over time; characteristics and performance were illustrated with empirical data from public libraries	research report
Mary Riskind	1992	Montclair Public Library	Library Use as an Economic Indicator	1991 survey of 39 NJ public libraries aids in assessing relationship between economic well-being and library use.	survey report
Lois Buttlar and William Caynon	1992	School of Library and Information Science, Kent State University	Recruitment of Librarians into the Profession: The Minority Perspective	Examines why minorities choose to become librarians and which recruiting techniques are believed most effective	research report
Holly G. Willett	1992	School of Library and Information Studies, Texas Woman's University	Public Library Directors in the Organizational Environment: Four Case Studies	Uses the resource dependence approach to open systems theory and the negotiated social order perspective to discuss activities and attitudes of 9 directors of 4 California public libraries	case study

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Donald J. Kenney and Gail McMillan	1992	University Libraries, Virginia Tech, Blacksburg	State Library Associations: How Well Do They Support Professional Development?	Seeks to determine how state library associations perceive their missions to members in areas of professional development and continuing education	survey analysis
Gary Marchionini, Sandra Dwiggin, Andrew Katz & Xia Lin	1993	College of Library and Information Sciences, University of Maryland, College Park	Information Seeking in Full-Text End-User-Oriented Search Systems: The Roles of Domain and Search Expertise	Explores effects of domain expertise and search expertise through assigned searches in hypertext or CD-ROM databases	case study
Douglas J. Ernest	1993	Colorado State University Libraries, Fort Collins	Academic Libraries, Fee-Based Information Services, and the Business Community	Discussion of how librarians relate to local business people	survey analysis
Judith Dixon and Frances Smardo Dowd	1993	Dallas Public Library; School of Library and Information Studies, Texas Women's University	Should public libraries program for babies? A national survey of children's coordinators		
Alisa J. Whitt 1993	1993	Emory University Libraries	The Information Needs of Lesbians	Describes survey of 141 lesbians and their information needs	survey analysis
Mary Niles Maack and Joanne E. Passet	1993	Graduate School of Library & Information Science, UCLA; School of Library & Information Science, Indiana University	Unwritten Rules: Mentoring Women Faculty	Examines role of mentoring of women faculty in library and information science during past 50 years	survey and analysis
Cheryl Metoyer-Duran	1993	Graduate School of Library and Information Science, UCLA	Cross-Cultural Research in Ethnolinguistic Communities: Methodological Considerations	Methodological considerations related to conduct of research in culturally diverse communities and provides strategies for public libraries seeking to undertake community analyses	research report
Cheryl Metoyer-Duran	1993	Graduate School of Library and Information Science, UCLA	The Information and Referral Process in Culturally Diverse Communities	Examines ethnic gatekeepers and their views on how to obtain information	case study
Gillian Allen	1993	Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign	An Application of the Act Frequency Approach in the Study of Person-Job Fit	Investigates if the act frequency approach, used in psychological research, might clarify work of behavior of librarians	exploratory study
Idrisa Pandit	1993	Mortensen Library Program, University of Illinois, Urbana-Champaign	Citation Errors in Library Literature: A Study of Five Library Science Journals	Examines five core library science journals to study accuracy of citations	survey and analysis
A. Neil Yerkey	1993	School of Information and Library Studies, SUNY Buffalo	Publishing in Library and Information Science: Audience, Subjects, Affiliation, Source, and Format	Examines 855 LIS-related document surrogates from 32 databases and categorizes them according to whether they were written by persons working inside or outside the LIS literature	survey-based study
Connie Van Fleet	1993	School of Library and Information Science, LSU	Evidence of Communication among Public Librarians and Library and Information Science Educators in Public Library Journal Literature	Analysis of journal articles suggests that public librarians and LIS educators use the national journal literature as an interactive communication system	research report
Douglas L. Zweizig	1993	School of Library and Information Science, University of Wisconsin	The Children's Services Story	Report and analysis of data from libraries participating in the Public Library Data Service	survey analysis
Patricia M. Wallace 1993	1993	University of Colorado Libraries	How Do Patrons Search the Online Catalog When No One's Looking? Transaction Log Analysis and Implications for Bibliographic Instruction and System Design	Recorded user behavior unobtrusively and focuses on what happened during the search process	case study

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Bryn Geffert	1993	University of Illinois	Community Networks in Libraries: the Freenet P.A.T.H.	Description of patrons use, role within public libraries, sample reference questions	case study
Daniel Suvak	1993	Walsh College Library, North Canton, OH	Evaluating LSCA: The Evidence from Prison Libraries	Asks if LSCA, Title I, made a significant difference in the quality of state prison libraries compared with federal libraries	research report
Frank W. Goudy and Ellen Altman	1993	Western Illinois University and University of Arizona, Tucson	Local Public Library Funding in the 1980s	Analysis suggests that libraries received an increasing share of local government funds.	research report
Dennis Carrigan	1994	College of Library and Information Science, University of Kentucky	Public Library Private Fund-Raising: A Report Based on a Survey	Analyzes results of questionnaire sent to directors of 100 large public libraries.	survey analysis
Jerry P. Miller	1994	Graduate School of Library and Information Science, Simmons College	The Relationship between Organizational Culture and Environmental Scanning: A Case Study	Describes how differences in organizational values influence frequency with which decision makers use oral, written, and electronic sources of information for environmental scanning	case study
Nancy A. Van House and Thomas A. Childers	1994	School of Library and Information Studies, University of California, Berkeley; Drexel University	The Use of Public Library Roles for Effectiveness Evaluation	Examines roles from the PLA planning and measurement tools for their utility in evaluating public library effectiveness; data from Public Library Effectiveness Study	survey analysis
Diane Prorak, Tania Gottschalk & Mike Pollastro	1994	University Library, University of Idaho	Teaching Method and Psychological Type in Bibliographic Instruction: Effect on Student Learning and Confidence	"Will students learn more and be confident about using the library if librarians teach using a small-group, active-learning method rather than a lecture method?"	case study
Dian Walster	1994	University of Colorado, Denver	Applying an Attitude-Behavior Consistency Model to Research in Library and Information Science	Examines application of the Fishbein and Ajzen model of attitude-behavior consistency to research in LIS	exploratory study
F.W. Lancaster, Cheryl Elzy, Mary Jo Zeter, Laura Metzler & Yuen-Man Low	1994	University of Illinois; Illinois State University	Searching Databases on CD-ROM: Comparison of the Results of End-User Searching with Results from Two Modes of Searching by Skilled Intermediaries	Results of 35 searches by users of the ERIC database were compared with results achieved by an experienced education librarian and a team of experienced librarians	case study
David Belanger	1995	Delaware County Library System (PA)	Board Games: Examining the Trustee/Director Conflict	Analyzes the Library Trustee and Director Survey, done in Pennsylvania in 1994	survey analysis
Shiao-Feng Su and F.W. Lancaster	1995	Division of Library and Information Sciences, San Jose State University; Graduate School of Library and Information Science, University of Illinois, Urbana-Champaign	Evaluation of Expert Systems in Reference Service Applications	Evaluates two systems designed to help library users find sources to answer their reference questions	case study
Sherry Shuan Su and Charles Wm. Conaway	1995	Fe-Jen Catholic University; School of Library and Information Studies, Florida State University	Information and a Forgotten Minority: Elderly Chinese Immigrants	Examines information needs of elderly Chinese immigrants; implications for improved information services	exploratory study
Marcia J. Bates, Deborah N. Wilde, Susan Siegfried	1995	Graduate School of Education and Information Studies, UCLA; Getty Art History Information Program	Research practices of humanities scholars in an on-line environment: the Getty Online Searching Project report no.3	Monitors database searching by visiting scholars at Getty Center for the History of Art and the Humanities	case study
Stanley E. & Jim Bradley,	1995	Illinois State Library	A Study of Public Library Referenda in Illinois	Examines voting trends on library issues based on results of referenda from 1978 through 1994	assessment
Eric Bryant	1995	Library Journal	Pride & Prejudice	Discusses nation's first survey of gay and lesbian librarian service	survey analysis

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Debora Shaw	1995	School of Library and Information Science, Indiana University	Bibliographic Database Searching by Graduate Students in Language and Literature: Search Strategies, System Interfaces, and Relevance Judgments	Observed graduate students as they searched CD-ROM databases	case study
Richard Rubin	1995	School of Library and Information Science, Kent State University	Upward Appraisal: What Do Subordinates Consider Important in Evaluating Their Supervisors?	Employs a subordinate evaluation instrument to identify those factors that employees of the Dayton-Montgomery County Public Library value in their supervisors; implications for administrators	case study
Douglas Raber	1995	School of Library and Information Science, University of Missouri, Columbia	A Conflict of Cultures: Planning vs. Tradition in Public Libraries	Examines nature of conflicts that may arise in confrontation of cultures inherent in the Public Library Development Program and traditional library cultures	research report
John R. Ottensmann	1995	School of Public and Environmental Affairs, Indiana University	Using a Gravity Model to Predict Circulation in a Public Library System	Development of model based on principles of spatial interaction	case study
David N. Ammons	1995	University of Georgia	Overcoming the inadequacies of performance measurement in local government: the case of libraries and leisure services	Using examples from public libraries and community parks, study argues that increased emphasis on performance comparisons could encourage greater accountability	case study
Qun G. Jiao, Anthony Onwuegbuzie & Art A. Lichtenstein	1996	Baruch College, CUNY; University of Central Arkansas	Library Anxiety: Characteristics of "At-Risk" College Students	Based on study of 493 students, examines factors that predict library anxiety; a setwise multiple regression analysis reveals eight variables involved	case study
Affleck, Mary Ann	1996	Capital Community-Technical College Library, Hartford, CT	Burnout among Bibliographic Instruction Librarians	Administered Maslach Burnout Inventory and a Role Questionnaire to bibliographic instruction librarians in colleges in New England	survey-based study
Deanna B. Marcum	1996	Council on Library Resources	Redefining Community through the Public Library	Uses case studies and surveys to speculate about how public library can contribute to social well-being	position paper
Hector Correa and Virginia Correa	1996	Graduate School of Public and International Affairs, University of Pennsylvania; Electronic Information Network, Pittsburgh, PA	An Application of Input-Output Analysis to the Administration of a Library	Construction of an input-output model makes it possible to forecast personnel requirements resulting from changes in external demands for library services	research report
Lynda M. Baker	1996	Library and Information Science Program, Wayne State University	A Study of the Nature of Informational Needed by Women with Multiple Sclerosis	Based on Miller's theory of information seeking, the study asked 93 women to assess a general or specific pamphlet on one of two topics; discussion of methodology for studying information needs	case study
Diane DiMartino and Lucinda R. Zoe	1996	Newman Library, Baruch College, CUNY	End-User Full-Text Searching: Access or Excess?	Examined and assessed the search techniques of trained end-users to see if they were searching effectively	case study
Debora Shaw	1996	School of Library and Information Science, Indiana University	Undergraduate Use of CD-ROM Databases: Observations of Human-Computer Interaction and Relevance Judgments	Observed freshmen as they searched bibliographic databases	case study
Linda M. Wolfgram	1996	School of Library and Information Science, Indiana University	The Effects of Automation on School Library Media Centers	Considers effects of automation based on the literature and on perceptions of school media specialists	exploratory study

Journal articles

Researcher	Year	Institution	Project (title)	Focus	Type
Zorana Ercegovic	1997	Dept. of Library and Information Science, UCLA	The Interpretation of "Library Use" in the Age of Digital Libraries: Virtualizing the Name	Examines the degree to which college students agree in interpreting the term "library use."	case study
Suzanne Hildenbrand 1997	1997	School of Information and Library Studies, SUNY Buffalo	Still Not Equal: Closing the Library Gender Gap	Analysis of trends in opportunities and salaries for women	position paper
Hazel M. Davis & Ellen Altman,	1997	Victoria University, New Zealand; Glendale Community College, AZ	The relationship between community lifestyles and circulation patterns in public libraries	Uses market research techniques to examine whether circulation patterns reflect distinctive lifestyles	survey & analysis

Table VB: Dissertations and other unpublished studies

(Listed in chronological order)

Researcher	Date	Institution	Project	Focus	Type
Betty J. Morris		University of Alabama	Ph.D. diss Student Assistants in Academic Libraries	Determines methods and materials most frequently used to train student assistants.	survey and analysis
Josephine Yu Chen Sche	1983	Florida State University	Ph.D. diss Education Systems for Librarianship in the Federal Republic of Germany, the U.K. and U.S.	Describes library education systems and interprets each system according to its development since the 1880s.	historical study
Adeline Wood Wilkes	1983	Florida State University	Ph.D. diss Managerial Functions by Beginning Academic Librarians	Describes functions and how librarians perceive them	survey and analysis
Jo Ann Keach Phelan	1984	Texas Woman's University	Ph.D. diss Study of Use of Fees for Services in Tax-Supported Medium-Sized Public Libraries	Identifies and evaluates characteristics of libraries charging fees for services.	survey and analysis
James M. Kusack	1984	Indiana University	Ph.D. diss Support Staff Unions in University Libraries	Compares unionized with non-unionized libraries.	case study
Roland B. Welmaker	1984	University of Michigan	Ph.D. diss Relationships of Perceived Management Systems and Job Satisfaction of Public Librarians	Determines the relationships between management systems of 9 public libraries in the southeastern U.S.	case study
Lauren Sapp Williams	1984	Florida State University	Ph.D. diss Service Orientation of Govt Documents Librarians in Academic Libraries of the Southeastern United States	Analyzes data from questionnaire to 298 library staff members.	survey and analysis
Ulysses Cameron	1984	Virginia Polytechnic Institute and State University	Ed.D. diss Application of Human Resources Planning to the University of the District of Columbia Library	Determines the human resources needed for a multimedia library of medium size.	case study
Edwin L. Holton	1984	Florida State University	Ph.D. diss Use, Cost, Perceived Value and Social Context of Telecommunications Tools in Two-Year College Libraries in southeastern U.S.	Describes cost and use of telecommunications tools and investigates perceived value of those tools.	survey and analysis
Peter P. Olevnik	1985	SUNY Buffalo	Ph.D. diss Organizational Implications of Faculty Status for Librarians in the College Library	Examines library's organizations and governance structure.	exploratory study

Dissertations and other unpublished studies

Researcher	Date	Institution	Project	Focus	Type
Barbara Kasper	1985	Indiana University	Ph.D. diss Comparative Analysis of Public Library Service to Children in Indiana during the 1970s	Assesses children's services through survey of librarians.	survey and analysis
Pamela Rae Palmer	1985	Memphis State University	Ed. D. diss Graduate Education of Academic Librarians	Describes graduate education at institutions with at least 1,000 graduate enrollment in southeastern United States.	survey and analysis
Mohamed Fituri Abduljalil	1985	Case Western Reserve University	Ph.D. diss Book Availability and User Satisfaction in School Libraries	Case study of Shaker Heights Senior High School and Cleveland Heights High School.	case study
Ellen Lowe Miller	1986	Old Dominion University	Ph.D. diss. Effects of Classification Systems on Management and Access in Selected Elementary School Libraries	Examines the extent to which variation in a classification system corresponds to variation in management and access.	case study
Albert A. Lunardi	1986	University of San Francisco	Ed.D. thesis LSCA Title III: Public School Library Participation within Cooperative Library Networks	Examines effects of Title III in stimulating library participation in networks.	data analysis
Joanne Reed Euster	1986	University of California, Berkeley	Ph.D. diss Activities and Effectiveness of the Academic Library Director	Survey of 42 university library directors and investigation of their role "in the framework of an environmental model developed for this research."	survey and analysis
Sally Ann McLeod Koenig	1986	Vanderbilt University	Ed.D diss A Study of the Evaluation of Academic Library Services in Institutions Accredited by the Southern Association of Colleges and Schools	Examines systematic programs of evaluation.	case study
Rosemarie Riechel	1986	Columbia University	Ph.D. diss. Telephone Reference Activity in Large Public Libraries	Investigates trends in telephone reference.	survey and analysis
Betty Douglas Paulk	1986	Florida State University	Ph.D. diss The Facilitation of Direct Searching of Online Services by the End User in Academic Libraries	Surveys 487 on-line search librarians about end user searching.	survey and analysis
Janice Helen McCue	1987	Columbia University	D.L.S. thesis Performance	Compares and analyzes quality of results of 42 on-line database searches in 21 public libraries in 16 states.	case study
Popoola Akanni Awogbami	1987	University of Pittsburgh	Ph.D. diss. Study of 5 U.S. agricultural libraries with implications for Nigerian Agricultural Libraries	Investigates the use of microforms as an efficient method of information transfer.	case study

Dissertations and other unpublished studies

Researcher	Date	Institution	Project	Focus	Type
Emma Joyce White Mills	1987	Florida State University	Ph.D. diss. Examination of Procedures and Practices in the Selection of Black Materials for Children's Collections of Public Libraries	Citing interpretations of the ALA's "Bill of Rights," argues that a disparity may exist between "cultural diversity" and the practices of librarians in acquiring materials.	exploratory study
Santi Gopal Basu	1987	Florida State University	Ph.D. diss. Public Library Services to Visually Disabled Children	Examines services at subregional libraries designated by the National Library Service for the Blind and Physically Handicapped.	survey
Ruth Schwartz	1987	Columbia University	D.L.S. thesis Administration and Organization of Private and Public Multicampus University Libraries	Evolution of multicampus libraries since World War II.	case study
George R. Gaumond	1988	University of North Carolina, Chapel Hill	Ph.D. diss. Organizational Characteristics of University Departmental Libraries	Studies the relative merits of centralized vs departmental libraries.	case study
Kwasi Sarkodie-Mensah	1988	University of Illinois, Urbana-Champaign	Ph.D. diss. Foreign Students and U.S. Academic Libraries	Examines two universities in New Orleans, using questionnaire data from students.	case study
Jill L. Locke	1988	University of Pittsburgh	Ph.D. diss. Effectiveness of Summer Reading Programs in Public Libraries	Examines factors related to reaching a higher proportion of child population.	survey and analysis
Robert B. Ford, Jr.	1988	Rutgers University	Ph.D. diss. Perceptions of Networking and Organizational Interdependence among Selected ARL Libraries		survey and analysis
Richard P. Bradberry	1988	University of Michigan	Ph.D. diss. Multitype Undergraduate LIS Education Programs	Explores the objectives of multitype library programs through a survey of administrators.	survey and analysis
Abigail Ayres Van Slyck	1989	University of California, Berkeley	Ph.D. diss. Carnegie Libraries and Transformation of American Culture	Analyzes impact of Carnegie gifts on changes in philanthropy and culture.	historical study
Linda Louise Loomis Cochrane	1989	Oregon State University	Ph.D. diss. Survey of Collection Analysis Practices and effects of automation in Public and Academic Libraries	Uses random sample questionnaire to investigate how librarians analyze use of collections.	survey
Theodore R. Pfarrer	1989	Florida State University	Ph.D. diss. Survey of Reference Librarians in Four-Year Colleges and Universities	Based on a survey of 736 librarians, examines prevalence of CD-ROM technology and its future applications.	survey analysis
Ting Ming Lai	1990	University of Wisconsin	Ph.D. diss. Comparative Study of Use of Academic Libraries	Compares library use of undergraduates in the United States and Taiwan	case study

Dissertations and other unpublished studies

Researcher	Date	Institution	Project	Focus	Type
Joan E. McIntyre	1991	Seattle University	Ph.D. diss. Collection Development and Instruction in Libraries of Catholic Colleges and Universities	Discusses history and theories of collection development.	literature review
Paul L. Conway	1991	University of Michigan	Ph.D. diss. Archival Preservation and Information Sources	Investigates relationship between preservation practice and the perceived availability and usefulness of information sources.	exploratory study
Merrill F. Smith	1991	University of North Carolina, Greensboro	Ed. D. diss. Impact of Technology on Collection Development in Academic and Research Libraries in Southeastern United States	Assesses the impact of technology on collection development. Data collected through interviews.	case study
Sandra Kaye King Stone	1991	University of Alabama	Ed. D. diss. Factors affecting CD-ROM End-user Instruction in Major University Libraries	Survey of librarians at research-oriented universities.	survey and analysis
Felicia Suila Kimo Lafon	1992	University of Michigan	Ph.D. diss. Comparative Study and Analysis of the Library Skills of U.S. and Foreign Students at the University of Michigan	Examines whether a single bibliographic program can serve both U.S. and foreign students.	case study
Nevin D. Raber	1992	Indiana University	Ph.D. diss. The Public Library Inquiry and the Search for Professional Legitimacy	Examines the PLI, commissioned by the ALA to assess librarianship in context of the postwar era.	historical study
Majed Jalal Khader	1992	Texas Woman's University	Ph.D. diss. Model of Services for Public Libraries Serving Arab-American Communities	Based on a review of the literature on model-building.	literature review and model build-ing
Rebecca Reist Martin	1993	USC	D.P.A thesis Academic Library Responsiveness to Multicultural Student Needs	Focuses on emerging library programs that address the needs of multicultural students.	survey and analysis
Robert B. Walker	1994	University of Georgia	Ph.D. diss. Georgia's Carnegie Libraries: History, Conditions, and Conservation	Considers Georgia's 25 Carnegie libraries from a historic preservation perspective.	historical study
Anna Hemer Perrault	1994	Florida State University	Ph.D. diss. Changing Print Resource Base of Academic Libraries	Compares collection patterns in 72 ARL academic libraries for 1985 and 1989.	data analysis
Terence F. Sebright	1994	Florida State University	Ph.D. diss. Planning College Library Buildings for Information	Four case studies explore planning and outcomes related to information technology in small-college libraries.	case study
Jean Ellen Coleman	1995	Rutgers University	Ph.D. diss. Response to a Socio-Educational Need	Examines four case studies of how literacy can empower.	case study

Dissertations and other unpublished studies

Researcher	Date	Institution	Project	Focus	Type
Terry S. Latour	1995	Florida State University	Ph.D. diss. Library Fund-Raising Activities at U.S. Colleges and Libraries	Investigates degree to which academic libraries engage in fundraising.	survey and analysis
Kathryn Josefina Blackmer Reyes	1996	San Jose State University	MLS thesis. Study of Racial/Ethnic Librarians and Management	Examines racial/ethnic librarians working in ethnic collections of university libraries nationwide.	pilot study
Alma Dawson	1996	Texas Woman's University	Ph.D. diss. The Academic Library in Intra-Institutional Relationships	Examines proportion of educational and general expenditure funds of three academic libraries, 1983-93.	case study
Richard D. Holoczak	1997	Rutgers University, Newark	Ph.D. diss. Extractors for Digital Library Objects	Examines ways to create "uniform and automated" mechanisms for building "meaningful and expressive indexes with which expert and novice users can interact."	exploratory study

Funded Projects and Research Priorities

The following matrices tabulate the projects for each funding source (identified in Tables IVA and IVB) that supported any of the identified Department research priorities (identified in Table II). Total funding for each program is given.

Matrix A: Federally funded programs and research priorities

(Listed in alphabetical order by funding sponsor and by focus. Blank cells indicate information is unavailable)

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S													
				a	b	c	d	e	f	g	h	i	j	k	l		
NCLIS	Public Libraries and the Internet	10,000	Charles R. McClure, John Carlo Bertot & John C. Beachboard				1				1					1	
NCLIS	Public Libraries and the Internet	76,965	John Carlo Bertot, et al				1				1					1	
NCLIS	Public libraries and the Internet: study results, policy issues, and recommendations.	67,759	Charles R. McClure, John Carlo Bertot & Douglas L. Zweizig								1					1	
NCLIS	Subtotal	154,724					2				3					2	
NCLIS & NSF	Internet costs and cost models for public libraries; publication.	112,529	Charles R. McClure, John Carlo Bertot & John C. Beachboard				1									1	
NCLIS & NSF	Subtotal	112,529					1									1	
NEH	Research and demonstration to produce a substantial body of information about the organizational, financial, and technical issues involved in applying digital imagery in the preservation arena.	363,491	Paul L. Conway			1								1	1		
NEH	Subtotal	363,491				1								1	1		
OERI	A study of the dissemination of the Public Library Planning Process	57,143	Verna L. Pungitore			1											
OERI	Age analysis of public library collections	78,375	Danny Wallace	1													

a=Information Service; b=Information Use; c=Information Planning; d=Economics of Information; e=Professional Issues; f=Intellectual freedom; g=Policy Issues; h=Information Access; i=Archives; j=Organizing Materials; k=Public Services; l=Library Models

Federally funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OERI	Assessing information on the Internet: library services for computer-mediated communication	48,675	Martin Dillon	1							1					
OERI	Assessing the information needs of rural Americans	59,443	Bernard Vavrek			1					1				1	
OERI	Assessing the role of the rural public library	58,389	Bernard Vavrek		1					1					1	
OERI	Assessment of the public library's mission in society	108,354	George D'Elia							1						
OERI	Benefit to rural-area students and faculty of regional information networks	38,128	Patricia J. Cutright											1	1	
OERI	Book deterioration in Ohio libraries		Edward T. O'Neill & Wesley L. Boomgard				1				1				1	
OERI	Cognitive models to facilitate information seeking	94,703	Carol Kuhlthau								1					
OERI	Cooperative system for public library data collection, to provide data for NCES	54,423	Mary Jo Lynch			1										
OERI	Determine impact of Title II-B fellowships on the library and information science profession	20,000	Mildred Lowe					1								
OERI	Develop comparative research data on two library instruction methods for undergraduate engineering students	84,545	Frances Benham, Associate Dean of Libraries	1	1			1			1					
OERI	Developing a prototype system for intelligent information retrieval	63,500	Philip J. Smith and Rebecca Darling								1					
OERI	Development and study of an intelligent reference information system (ISIS)	99,852	Robin N. Downes, University Library	1							1				1	

a=Information Service; b=Information Use; c=Information Planning; d=Economics of Information; e=Professional Issues; f=Intellectual freedom; g=Policy Issues; h=Information Access; i=Archives; j=Organizing Materials; k=Public Services; l=Library Models

Federally funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S													
				a	b	c	d	e	f	g	h	i	j	k	l		
OERI	Development of an "electronic textbook" in human physiology	200,287	Naomi C. Broering, Biomedical Information Resources Center	1								1					
OERI	Economics of public libraries and library funding	57,100	Jane B. Robbins, Douglas Zweizig				1				1						
OERI	Embracing the tiger: learning from public library literacy programs	62,949	Andrew J. Seager					1			1					1	
OERI	Evaluate use of fax copiers or scanners in lieu of sending actual items or photocopies	175,746	Robert J. Bertholf	1												1	
OERI	Evaluating use of new technology	101,622	Jack O'Bar, University Library	1	1												
OERI	Evaluation of adult library literacy programs	52,969	Douglas Zweizig													1	
OERI	Facilitating information seeking through cognitive modeling of the search process	93,553	Carol Kuhlthau	1								1					
OERI	Factors influencing the outcome of challenges to materials in middle, junior, and high school libraries	65,750	Diane Hopkins	1				1			1	1				1	
OERI	Hypermedia and research methodology	55,500	Eleanor Langstaff	1								1					
OERI	Hypermedia project to provide information in four county library systems	80,000		1	1	1						1			1	1	
OERI	Identifying researchable issues to help librarians attain or maintain leadership positions in an information society	348,966	Kate Joyce and Mary Kahn					1									
OERI	Institute to review trends in key subjects related to urban libraries [grant mentioned in monograph]		Mohammed Aman and Donald Sager			1		1									

a=Information Service; b=Information Use; c=Information Planning; d=Economics of Information; e=Professional Issues; f=Intellectual freedom; g=Policy Issues; h=Information Access; i=Archives; j=Organizing Materials; k=Public Services; l=Library Models

Federally funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OERI	Local implementation of the public library planning and role setting process	57,187	Verna Pungitore			1									1	
OERI	Medical literature as a source of new knowledge	41,248	Ron R. Swanson		1											
OERI	Nature and improvement of librarian-user interaction and on-line searching for information delivery in libraries	84,823	Tefko Saracevic	1	1										1	
OERI	Output measures for children's services in public libraries	42,014	Virginia Walter	1												
OERI	Pilot computer-based training modules for staff training libraries	66,901	Pauline S. Bayne, Music Library	1				1								
OERI	Program to teach and guide students in using on-line public catalog and computerized and print reference sources	117,558	Virginia Tiefel	1	1						1				1	
OERI	Providing principles, guidelines, and desirable features for a 3rd-generation on-line public access catalog	106,987	Nicholas Belkin and Tefko Saracevic	1	1						1				1	
OERI	Public library effectiveness: theory, measures, and determinants		Nancy A. Van House	1												1
OERI	Public library planning process in smaller libraries.	45,700	Verna Pungitore and Carole Nowicke			1										
OERI	Purchase of hardware and research and demonstration of technical requirements for a consortium	89,438	Patricia M. Kelly, University Library		1											
OERI	Relationship between length of loan period and circulation in public libraries	25,000	Susan Nelson and Herbert Goldhor	1											1	

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Federally funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OERI	Research to measure effects of a three-college automation project on users, staff, and institutions	102,643	Thomas A. Childers and Belder C. Griffith	1	1											
OERI	Roles of school, academic, special, and community libraries in providing viewtext information services	60,000	Mary Deweaver	1												
OERI	Status of libraries in literacy education	148,037	Douglas Zweizig et al.												1	
OERI	Testing a new design for subject access to on-line catalogues		Karen Drabenstott	1							1					
OERI	The impact of school library media centers on academic achievement	66,664	Keith Curry Lance		1										1	
OERI	The Public Library Effectiveness Study	132,000	Thomas Childers and Nancy Van House	1											1	
OERI	The use of children's materials in school and public libraries	57,833	Kathleen Garland		1											
OERI	To determine if hands-on exercises improve ability to use computer-based research tools	85,677	Marvin Wiggins		1					1						
OERI	Update of, and comparison with, a 1971 survey of library services to the aging	22,674	Betty J. Turock												1	
OERI	Subtotal	3,512,356		22	12	6	2	7	0	6	15	0	2	18	1	
U.S. Congress	Adult literacy and new technologies: tools for a lifetime.		Office of Technology Assessment												1	
	GRAND TOTAL	\$4,143,100		22	12	7	5	7	0	9	15	1	3	22	1	

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Matrix B: Privately funded programs and research priorities

(Listed in alphabetical order by funding sponsor and focus. Blank cells indicate information is unavailable)

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
Andrew W. Mellon Fndtn.	Comprehensive evaluation methodology for ongoing activities in creating digital library	700,000		1	1	1					1	1				1
Andrew W. Mellon Fndtn.	Economics of electronic library of the future	210,000					1									
Andrew W. Mellon Fndtn.	Electronic journals in field of religious studies 1995	250,000		1							1				1	
Andrew W. Mellon Fndtn.	Research project on economics of electronic library of the future	290,000					1									
Andrew W. Mellon Fndtn.	Study of interlibrary loan	160,000														1
Andrew W. Mellon Fndtn.	University Libraries and Scholarly Communication	0	Anthony Cummings et al.	1							1				1	
Andrew W. Mellon Fndtn.	Journal Storage Project, to make back issues or core periodicals available to faculty and students in digital format	700,000		1							1	1	1			
Andrew W. Mellon Fndtn.	Journal Storage Project test sites	75,000		1							1	1	1			
Andrew W. Mellon Fndtn.	Research Libraries Project	50,000		1												
Andrew W. Mellon Fndtn.	Research Libraries Project	25,000		1												
Andrew W. Mellon Fndtn.	Scholarly Communication and technology	0	Richard Ekman	1							1				1	
Andrew W. Mellon Fndtn.	Subtotal	2,460,000		8	1	1	2	0	0	1	6	2	2	4	1	
Assoc. College Research Libraries & Consulting Psychologists Press	Shattering our stereotype: librarians' new image	15,000	Mary Jane Scherdin					1								

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S													
				a	b	c	d	e	f	g	h	i	j	k	l		
Benton Fndtn.	Support of ACLU's work on privacy implications of new computer and communication technologies	25,000			1						1						
Benton Fndtn.	Telecommunication needs of nonprofits in the Twin Cities area; resource directory; seminars on new technologies	15,000		1	1							1				1	
Benton Fndtn.	Subtotal	40,000		1	2	0	0	0	0	0	1	1	0	0	1		
Camille and Henry Dreyfus Fndtn.	Cost-effectiveness of distributive access model of electronic library as part of Fndtn.'s Planning Grants for Chemical Informatics	15,000					1										
Carnegie Corporation of New York	Implications of technology developments for higher education and scholarly communication	180,000		1							1	1				1	
CLR	Academic administrators' views on the role of college libraries	1,830	Larry Hardesty & David Kasser								1						
CLR	Analytical framework and baseline for networked information resources and services	25,000		1	1	1					1	1	1	1			
CLR	Application of behavioral research methodology to environmental design problems in libraries	2,587													1	1	1
CLR	Attitudes of municipal and county officials toward public libraries	12,000									1					1	
CLR	Benchmarking pilot project on interlibrary loan	17,540	Intern. Systems Services Corp. and Jack A. Wiggins	1								1				1	
CLR	Comparison of journal use to reported relative value, college discipline, and subscription cost	3,000					1										
CLR	Comparison of on-line and manual search capabilities of students	1,000		1	1	1						1			1	1	

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
CLR	Conference on public library effectiveness	16,760													1	
CLR	Cost and beneficial impacts of library functions	97,612	Paul Kantor, Joanna D'Esposito - Wachtman, Tefko Saracevic				1									
CLR	Cost-benefits of access compared to ownership costs for expensive research journals	54,012	Eleanor A. Gossen and Suzanne Irving	1								1			1	
CLR	Costs of consortium membership	23,500					1									
CLR	Coverage of library and information science in bibliographic databases	2,935													1	
CLR	Decision-making process for collection development in libraries	6,359						1								
CLR	Determining factors leading Earlham College graduates to enter library schools	1,000						1								
CLR	Dewey Decimal Classification as an on-line searching tool for subject access	94,350		1	1							1			1	
CLR	Economic analysis of scholarly periodical costs	27,800					1									
CLR	Editing efficiency of an on-line bibliographic information system	2,350		1	1							1				
CLR	Effectiveness of affirmative action guidelines on recruitment and promotion of minority librarians	2,879						1								
CLR	Effects of human factors on a library computer literacy program	3,000														1
CLR	Effects of integrating information technology on job classification and compensation systems	18,560						1								
CLR	Effects of published reviews on library purchasing decisions	2,965		1												

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S													
				a	b	c	d	e	f	g	h	i	j	k	l		
CLR	Environmental factors in professional development activities: does type of academic library affiliation make a difference?	2,936	W. Michael Havener and Philip Worrell					1									
CLR	Functionality of on-line catalogs	11,000	Charles R. Hildreth	1	1	1					1		1				
CLR	Humanists' use of libraries	23,000		1												1	
CLR	Impact of interdisciplinary research on library collection-building	3,000		1	1	1									1		
CLR	Impact of technological changes on library functional units	3,000		1	1							1			1		
CLR	Impact of transaction fees on interlibrary loan	2,960	James H. Sweetland & Darlene E. Weigand	1	1		1										
CLR	Information locator system prototype	24,880		1	1						1						
CLR	Information needs of philosophers	34,625	Mary Ellen Sievert	1	1											1	
CLR	Information needs of public affairs scholars	2,996		1	1						1					1	
CLR	Information seeking behavior of scientists	5,150		1	1					1							
CLR	Information-seeking patterns of faculty members and their use of an on-line system	3,518	Ingrid Hsieh-Yee	1	1	1					1						
CLR	Information-seeking process among population-studies researchers	4,000		1	1	1					1						
CLR	Interlibrary loan cost study	10,000					1										
CLR	Knowledge management: expanding the scholarly role of research libraries	182,808		1	1	1				1	1				1	1	
CLR	Long-range planning for libraries and information resources in research universities	400,000				1											
CLR	Measuring public services impact of an on-line catalog	19,200	Louise S. Sherby												1	1	

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
CLR	Microcomputer-based digital imaging as a technique for preserving library materials	2,500										1	1			
CLR	Online catalog evaluation project	32,403	Ray R. Larson	1	1							1			1	
CLR	Perceived values of advanced subject degrees	3,000	Mary Grosch & Terry Weech					1								
CLR	Price discrimination of economics journals	3,109	George A. Chressanthus & June D. Chressanthus				1									
CLR	Relationship between bibliographic access to stored materials and faculty attitude and use	31,747		1	1							1			1	
CLR	Relationships between library schools and their institutions' libraries	3,000	Marianne Cooper & Shoshona Kaufmann					1								
CLR	Role of fees in supporting library and information services	10,000		1	1		1									
CLR	Roles of information managers in U.S. universities	10,990						1								
CLR	Scope and impact of bookmobile service in the U.S.	3,000	Bert R. Boyce & Judith I. Boyce	1								1			1	
CLR	Search patterns of in-library on-line catalog users	4,083		1	1	1						1		1	1	
CLR	Statistical reliability of indicators in the RLG conspectus for music	3,000												1		
CLR	Study of searching strategies on CD-ROM	32,512		1	1						1					
CLR	Test of measures and correlates of academic library performance	3,000		1											1	
CLR	The RLG conspectus as a collection management tool	10,000		1	1								1	1		
CLR	Time management in academic libraries	2,773		1			1	1								

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S													
				a	b	c	d	e	f	g	h	i	j	k	l		
CLR	To study users of full-text databases	2,988	Carol Tenopir, Diane Nahl-Jakobovits, Dara Lee Howard	1	1											1	
CLR	Unobtrusive testing of reference service in a divisional academic library	1,800	Cheryl Elzy, Alan Nourie, F.W. Lancaster	1													
CLR	Use of MARC formats for cataloging art objects	20,000		1	1						1				1		
CLR	User persistence in scanning LCS postings	1,200	Stephen E. Wiberley, Jr., et al	1	1											1	
CLR	User success with an on-line catalog	15,736	Nancy C. Kranich, et al												1	1	
CLR	Users' interest in digitized images	2,964		1												1	
CLR	Users' persistence in scanning postings in an on-line public access catalog	5,330	Stephen E. Wiberley, Jr., et al	1							1					1	
CLR	Improving subject searching in online catalogs		Karen Markey Drabenstott & Diane Vizine-Goetz	1							1					1	
CLR	Advanced retrieval methods for online catalogs		Edward A. Fox	1							1					1	
CLR	User persistence in scanning LCS postings	1200	Stephen E. Wiberley et al.	1												1	
CLR	Subtotal	1,355,247		37	24	9	9	9	0	6	21	4	14	26	1		
Fairfax County Public Library	Comparative assessment of patrons' uses and evaluations across public libraries within a system: a replication		George D'Elia and Elanor Jo Rodger		1											1	
Ford Fndtn.	Kinds of information available on neighborhood development for use by citizens and public officials	40,000		1	1						1					1	

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
H.W. Wilson Fndtn.	Concerns about fundraising by public institutions: public libraries as a case study	37,950	Thomas A. Jeavons				1				1					
H.W. Wilson Fndtn.	The national library reference survey	25,000	John W. Head	1												1
H.W. Wilson Fndtn.	Subtotal	62,950		1	0	0	1	0	0	1	0	0	0	0	1	0
Henry Luce Fndtn.	New electronic virtual library system, in collaboration with libraries of Harvard University and Yale University	300,000		1	1	1						1			1	
Illinois State Library	Survey of children's librarians in Illinois public libraries		Lorienne Roy													1
Indiana University School of Library and Information Science	Perceptions of change and public library directors in Indiana: an exploratory study	650	Verna L. Pungitore					1								
J.M. Kaplan Fndtn., O'Reilly and Associates	Project GAIN: Connecting rural public libraries to the Internet [in New York State]	65,000	Charles R. McClure et al.	1	1							1				1
John and James Knight Fndtn.	Project at branches serving disadvantaged neighborhoods	100,000														1
Libraries for the Future	Private philanthropic funding of public libraries		Linda Kravitz et al.								1					
Lilly Endowment	Technological development in theological libraries	133,650		1								1			1	
Mardag Fndtn.	Library Equity and Excellence Project, designed to support library improvement and school reform in elementary school libraries in Saint Paul	105,000		1								1				1

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S											
				a	b	c	d	e	f	g	h	i	j	k	l
Millbrook Press, Inc.	The Millbrook Report: the changing role of the school library			1		1					1			1	
Nathan Cummnngs Fndtn.	Forums to assess societal impact of emerging international information infrastructure	10,000									1				1
OCLC	Developing control mechanisms for intellectual access for discipline-based libraries	10,000	Marcia Lei Zent	1	1	1						1		1	1
OCLC	Effect of linkage structure on retrieval performance and user response in a hypertext-based bibliographic retrieval system	5,000	Alexandra Dimitroff & Dietmar Wolfram	1	1							1		1	1
OCLC	Empirical test of gopher searching using three organizational schemes	10,000	C. Olivia Frost & Joseph Janes	1	1							1		1	1
OCLC	Enhancing a new design for subject access to on-line catalogues	10,000	Karen Drabenstott	1	1							1		1	1
OCLC	Public libraries and the INTERNET/NREN, to explore roles for the public library in the networked environment	10,000	Charles R. McClure et al.								1				1
OCLC	Impact of scholarly journals on scholarly communication: a reference and citation study	3,000-10,000	Stephen P.Harter		1										
OCLC	An experimental study on graphical tables of contents	3,000-10,000	Xia Lin									1			
OCLC	Analyzing the viability of using peer group holdings as an evaluation tool for public library adult fiction	3,000-10,000	James H. Sweetland & Judith J. Senkevitch	1		1									1
OCLC	A relational thesaurus: modeling semantic relationships using frames	3,000-10,000	Rebecca Green	1	1							1			
OCLC	Automatic subject assignment via the Scorpion System; building tools for automatic subject recognition based on well-known schemes		Keith E. Shafer	1	1							1			

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OCLC	Characteristics of articles requested through OCLC interlibrary loan		Chandra G. Prabha	1	1										1	
OCLC	Creating DTDs via the GB-Engine and Fred		Keith E. Shafer	1							1				1	
OCLC	Effect of linkage structure on retrieval performance and user response in a hypertext-based bibliographic system	5,000	Alexandra Dimitroff & Dietmar Wolfram	1	1						1				1	
OCLC	Electronic texts and traditional indexes: a study of applicability and performance	3,000-10,000	Elizabeth D. Liddy	1							1				1	
OCLC	Measuring diversity in public library collections	3,000-10,000	Judith Serebnick & Frank Quinn	1									1	1		
OCLC	Document ranking using signature files		Dik Lun Lee	1	1						1				1	
OCLC	Estimating interlibrary loan volume in 1993; includes public libraries		Chandra G. Prabha	1	1						1				1	
OCLC	Experimental linguistic indexing for information retrieval (ELIXIR)		C. Jean Godby & Bradley C. Watson	1	1						1				1	
OCLC	Modeling user's preferences for document delivery		Mark T. Kinnucan	1	1	1					1				1	
OCLC	Automatic hierarchical organization of phrases using machine-readable dictionary information	3,000-10,000	Amy J. Warner	1	1						1				1	
OCLC	Determining the content of machine-readable subdivision records	3,000-10,000	Karen Markey Drabenstott	1	1						1				1	
OCLC	Expert system interface to Library of Congress subject headings	3,000-10,000	Padmini Srinivasan	1	1						1					
OCLC	Scholars' access to the documents they cite	3,000-10,000	Keith Swigger	1	1						1				1	
OCLC	Obsolete Library of Congress Subject headings		Roy Cheng et al.	1	1						1					
OCLC	Record matching for authority control		Edward T. O'Neill	1	1						1					

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OCLC	Public libraries and the INTERNET/NREN, to explore roles for the public library in the networked environment	10,000	Charles R. McClure et al.	1		1					1	1			1	1
OCLC	General structure of a knowledge base for Anglo-American cataloging rules	3,000-10,000	Ling Hwey Jeng	1	1							1				
OCLC	Identifying barriers to effective subject access in library catalogs	3,000-10,000	F.W. Lancaster	1	1							1				1
OCLC	Investigating the structure of LCC and LCSH: developing a knowledge base	3,000-10,000	Dagobert Soergel	1	1											
OCLC	Toward integration of online resources	3,000-10,000	Linda C. Smith et al.	1	1	1						1			1	1
OCLC	The interlibrary loan process; data from 1 public and 1 academic library		Chanrda G. Prabha	1	1							1				1
OCLC	Enhancing topical searching using classification clustering	3,000-10,000	Ray R. Larson	1	1							1				1
OCLC	Relationship between library holdings and selection sources	3,000-10,000	Judith Serebnick	1			1					1				1
OCLC	Automated document architecture processing and tagging (ADAPT)		Stuart L. Weibel	1	1							1				
OCLC	Bibliographic control and document architecture in hypermedia databases		Roland Hjerppe	1	1							1				
OCLC	Cataloger's assistant; prototype system for supporting the cataloging function		Diane Vizine-Goetz	1	1							1				1
OCLC	Cataloging time and workflow studies; in 1 public and 3 academic libraries		Chandra G. Prabha				1	1								
OCLC	Design of interfaces and databases for electronic media (DIADEM)		Martha J. Lindeman	1	1							1				1
OCLC	Document image processing toolbox		John C. Handley	1												
OCLC	Enhanced bibliographic retrieval		Martin Dillon	1	1							1				1

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OCLC	The Experimental Library System (XLS)		Thomas B. Hickey													1
OCLC	Analytical study of bibliographic data on a title page	3,000-10,000	Billie Grace Herring	1	1						1					
OCLC	Applying the revised MARC format for three-dimensional objects in museums	3,000-10,000	Esther G. Bierbaum	1	1						1					
OCLC	Evaluating subject collections	3,000-10,000	Howard D. White											1		
OCLC	Measurement of subject scatter in the superintendent of documents classification	3,000-10,000	Lee Shiflett	1	1						1					
OCLC	Subject representations in monographic records	3,000-10,000	Pamela Reekes McKirdy	1	1						1					
OCLC	Automated document structure analysis		Stuart L. Weibel	1	1						1					
OCLC	Clustering equivalent bibliographic records		Elaine Svevonijs	1	1						1					
OCLC	Collection analysis; examines monographic acquisitions of selected ARL members		Edward T. O'Neill	1	1										1	
OCLC	Connectionist models of computation: their potential in information systems		Stuart T. Weibel	1	1						1					
OCLC	Duplicate detection and the "species problem"		John A. Bunge	1	1						1					
OCLC	Managing large retrievals		Chandra G. Prabha	1	1						1					
OCLC	Scholars cross-reference system; a way of collecting, enhancing, and using bibliographic relationships not manifest in text per se		Paul B. Kantor	1	1						1				1	
OCLC	Comparative classification; investigates interdisciplinary nature of classificatin theory and method		Francis L. Miksa	1	1						1				1	

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OCLC	Library of Congress Class M subset: music; to identify methods of correcting records and create a prototype database		Jeanette M. Drone	1	1							1			1	
OCLC	Online Union Catalog subsetting analysis		John A. Bunge	1	1							1			1	
OCLC	Assessing access to alternative press publications: women's press titles in the OCLC online Union Catalog		Suzanne Hildenbrand	1	1							1			1	
OCLC	Dynamics of the OCLC online Union Catalog		Debora Shaw	1	1							1			1	
OCLC	Holdings as a measure of journal value		Danny P. Wallace	1	1	1						1			1	
OCLC	Studies in automatic cataloging		Elaine Svenonius	1								1				
OCLC	Variations in subject cataloging in non-Library of Congress cataloging records		Lois Mai Chan	1								1				
OCLC	Advanced interface design for library retrieval systems		Martin Dillon	1								1				
OCLC	Automated title page cataloging		Stuart Weibel	1								1				
OCLC	Class dispersion between the Library of Congress classification and the Dewey Decimal classification		Diane Vizine-Goetz	1								1				
OCLC	CONSER abstracting and indexing title overlap		John E. Tolle	1								1				
OCLC	Display formats; to develop experimental methods for evaluating human-computer interfaces and refine evaluation techniques		John E. Tolle	1								1				
OCLC	Graph-Text; to develop prototype electronic document delivery system		Thomas Hickey	1								1			1	
OCLC	Nonfiction book use by public library users		Chandra Prabha		1										1	
OCLC	OCLC CD-ROM retrieval system		Terry Noreault	1	1							1				

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S												
				a	b	c	d	e	f	g	h	i	j	k	l	
OCLC	OCLC database use analysis: determination of an appropriate database subset for cataloging on the OCLC M300 Workstation		Brigitte L. Kenney	1	1							1				
OCLC, CLR, Univ. Michigan	Increasing the Accessibility of Library of Congress subject headings in online bibliographic systems		Karen Markey et al.	1	1							1				
OCLC	Subtotal			64	51	6	2	1	0	2	59	0	7	3	3	
Old Gold Summer Fellowship, University Iowa	Naive vs sophisticated methods of forecasting public library circulations		Terrence A. Brooks	1											1	
PLA	Information about library programs serving multicultural and/or multilingual populations	1,000	Lee Olivier, Robert Belvin, Sylvia Manoogian	1	1										1	
Policy Research Institute, University Texas Austin	AIDS information services in U.S. public libraries: national comparison of attitudes		W. Bernard Lukenbill	1											1	
Rutgers University Research Council	Organization factors in multitype library networking: a national test of a model		Betty J. Turock	1											1	1
St. Lawrence University Library	Union-nonunion wage differentials in the public library	500	Mary F. Rosenthal					1								
University Illinois, Urbana-Champaign	Gender differences in attitudes toward using computers in libraries: an exploratory study	1,600	Frances F. Jacobson								1				1	
University Illinois, Urbana-Champaign	Logical reasoning and retrieval performance	500	Bryce Allen		1						1					

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Privately funded programs and research priorities

Sponsor	Focus	Funding	P.I.	P R I O R I T I E S											
				a	b	c	d	e	f	g	h	i	j	k	l
University Illinois, Urbana-Champaign		2,100		0	1	0	0	0	0	1	1	0	0	1	0
University Wisconsin, Oshkosh	Development and evaluation of a measure of library automation	2,000	Verna L. Pungitore	1	1							1	1	1	
University Wisconsin Institute on Race and Ethnicity & University Wisconsin Graduate School	Toward a conceptual model of factors influencing the outcome of challenges to library materials in school settings		Dianne McAfee Hopkins	1				1	1	1	1			1	
W.K. Kellogg Fndtn.	Buildings, books, and bytes: libraries and communities in the digital age; report on public's opinion of library leaders' vision of the future	100,000				1		1		1				1	
W.K. Kellogg Fndtn.	Institutional and policy issues in development of Digital Library	650,000								1					
W.K. Kellogg Fndtn.		750,000		0	0	1	0	1	0	2	0	0	0	1	0
	GRAND TOTAL			124	85	19	15	15	1	19	95	7	26	86	6

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