PURDUE UNIVERSITY

LIBRARIES

ANNUAL REPORT AND SUMMARY OF PUBLICATIONS AND PROFESSIONAL ACTIVITIES

JULY 1, 2001 – JUNE 30, 2002

LIBRARIES

Annual Report
And
Summary of Faculty
Publications and Professional Activities

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The 2001-2002 Annual Summary of Faculty Publications and Professional Activities was compiled from information submitted on faculty vitae which are requested to be updated annually. Every care was exercised to accurately and fully report on the professional activities of the faculty of the Purdue University Libraries; however, there may be omissions resulting from incomplete, missing, or unreturned vitae. Categories selected for inclusion were: 1) Honors and Awards; 2) Research Grants; 3) Publications in Refereed Journals or Equivalent Publications; 4) Invited Lectures and Presentations; and 5) Elected Offices and Committee Appointments, Editorial Boards—State, National and International Associations/Organizations, and Other Committees.

PURDUE UNIVERSITY LIBRARIES

Emily R. Mobley
Dean of Libraries

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Director of Administrative Services

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Director of Information Technology

2001-2002 ANNUAL REPORT

One highlight of the year was the Discover Purdue event honoring the Chapmans' gift of the Amelia Earhart papers. This was the kickoff for a number of events which will celebrate the upcoming 100th anniversary of flight. This highly visible event captured the attention of local and national media including CNN, National Geographic and the BBC. Coupled with this event was the "opening" of a digitized portion of the original Earhart collection. Another highlight was the successful collaboration between the Libraries and the Purdue University Press to make available to Purdue users the digital versions of currently published books. The success of this project has led to a Committee on Institutional Cooperation (CIC) library/press collaboration.

The Libraries continue to seize opportunities, create successes, and deflect challenges as we continue to make major changes in our ability to deliver scholarly resources to the desktops of users. We continue to receive accolades about the positive impact of these changes from users. The world of scholarly communication is changing more rapidly than ever and it is increasingly difficult to keep abreast and to integrate these changes.

The Learning Library

User instruction continues to be a major programmatic activity for public services, and one that has taken on even greater significance with the designation of information literacy as one of the core competencies for students outlined in the University's strategic plan. Librarians taught 175 course-related classes to over 3,379 students in 30 departments. These efforts include a diverse range of commitments, from active-learning exercises in Survey of Horticulture to team-teaching of Advanced Taxation. These figures reflect a 45% drop in face-to-face sessions (although only a modest drop in students reached), consistent with significant investment of effort in the development and integration of web-based modules that put information literacy instruction at the desktop for point-of-need use. Nine sections of GS175, Information Strategies, were taught with an enrollment of 153 students. Seven of these were for Electrical Engineering Technology (EET) students. Due to changes in the EET curriculum, the last required sections (7) of GS175 were taught this year. Course-integrated instruction, whether delivered in-person or asynchronously, continues to expand as the need for students to master information literacy skills is increasingly recognized by faculty in other disciplines.

CORE (Comprehensive Online Research Education), an interactive web-based tutorial originally released in August 1999, was fully re-designed in 2001 in order to optimize its effectiveness. Responding to student and instructor feedback, additional content was developed, adding new "Internet" and "Wrapping Up" modules, and including more information about plagiarism and copyright. Enhanced functionality and improved navigation were achieved through a contract with the Bioscope group, resulting in a new graphical interface, smoother navigational capabilities, and more refined interactivity for certain features. To increase accessibility, CORE was moved to an open HTML platform. Moving to HTML format enhances functionality by allowing more navigational options, including direct page linking, as well as development of an option to e-mail quiz results

directly to instructors. Due to these changes, use data for the year are not available. However, in the three months from February 1, 2002-April 30, 2002, the site was visited over 8,900 times, with over 109,000 page views. Due to the integration of CORE into English 102/103 and Communications 114, the need for face-to-face instruction in these classes has decreased.

The pilot phase of the Learner EnAbled Digital Environment Resource (LEADER) project, funded by a private donor, was launched in Fall 2001. The LEADER project is a prototype-learning tool designed to teach in-depth, subject-oriented, information literacy skills as an integrated part of the curriculum. In this learning environment, users are challenged to solve real-world problems by defining information needs, testing and evaluating information retrieval strategies, and developing advanced-level search skills to use in a variety of information storage and retrieval systems. Problem-based learning activities were successfully integrated into EAS 109, The Dynamic Earth, and SCI 460, Science and Society, in Phase I and into FNR 365, Natural Resources Issues, Policy and Administration, and HTM 361, Contract Institutional Foodservice Management in Phase II. Results from Phase II show a positive impact on the overall learning experience, with enthusiastic responses from the course instructors and the following assessment from the students themselves:

	#	Agree
My problem solving skills improved	57	68%
I can apply the skills I learned to other experiences	57	84%
I am better able to find and select information	57	77%
I can evaluate the information I find more effectively	57	63%

Building on these successes, planning is actively underway to integrate problem-based information literacy into the cases used in the School of Veterinary Medicine's Applications and Integrations curriculum.

Numerous bibliographies, research guides, topical, and course-specific pages continue to be created, redesigned, and updated on the Web. The number and scope of interactive tutorials, supporting point-of-need learning, continue to expand. A web tutorial for effectively using DataStream (a business and economic database that allows manipulation and analysis as well as display of the data) is now available. Modules have been added to the MEDLINE online tutorial, and revisions based on evaluation by users are underway. Similar tutorials for CAB (veterinary medicine) Abstracts and the CINAHL (nursing and allied health) databases are in development. Discipline-based tutorials are being created for the humanities and social sciences, conceptually built upon the structure of knowledge in these areas. Programs for Anthropology and the Ancient Near East have been completed.

Curriculum-based instruction for engineering students has been expanded to include Freshman Engineering. Orientation for new graduate students in engineering and technology also expanded, to include close to 100% of all incoming students. The Wednesday evening chemical information seminar series, initiated last year, has been successfully expanded, providing 22 opportunities for learning the chemical literature to any interested campus user.

Under the auspices of the User Instruction Team, a short video and workshop was developed to introduce faculty to creating effective library-related assignments. The workshop was presented as part of May 2002 "Teaching Across the Curriculum." Libraries faculty development was a major focus for the User Instruction Team this year, culminating in an 8-hour retreat over two consecutive days. Topics included concept mapping, problem-based learning, learning styles and group work, and assessment and evaluation of learning outcomes.

The need to keep our staff up to date on new technology and instructional/training techniques continues to increase. Various training opportunities related to upgrading staff skills in specific areas

were implemented. Of particular note is work with the Voyager Support Team to identify outcomes and determine specific learning objectives for Voyager training when new versions of Voyager are introduced. A new "Discovery Series" of seminars on topics related to technology applications or issues about which staff need to be informed has been developed. Such topics as creating Web databases and using Web standards have been offered. A self-training site on the topic of instructional development has been developed and implemented. Interactive training modules on how to analyze, design, develop, implement, and evaluate training or teaching have been developed and will be offered in Summer 2002.

Scholarly Communication

Both electronic and print collections continued to expand, reflecting the ongoing duality in scholarly communications. Further advances in electronic access/desktop delivery of data, images, and full-text, in addition to bibliographic information, have been made this year. There are now over 2,900 full-text e-journals linked from the Online Public Access Catalog (OPAC), with many more titles available through products such as Proquest and Lexis-Nexis. Notable additions this year include *Nature*, IEEE/IEL, which includes conference proceedings, Kluwer journals, and two additional JSTOR collections (Business and Arts & Sciences II).

Other full-text resources added include the *Patrologia Latina Database*, *Periodicals Contents Index Full Text,* works of selected philosophers, *STAT Ref* (medical references), *Equity Portraits and Global Archives* (business), and *Current Issues Universe*. Specialized online bibliographic indexes added include *Meteorological and Geoastrophysical Abstracts, Online Guide to Computing Literature, Zentralblatt fuer Mathematik*, and *Children's Literature Comprehensive Database.*

One hundred-thousand dollars in non-recurring funds from the Central Book Fund was used for monographs and other one-time purchases in areas identified by librarians as needing collection enhancements. Thirteen areas were targeted, representing diverse research and curricular needs, from current affairs to surface science; genetic engineering to corporate intelligence; undergraduate resources to proteomics; teaching and learning to computer security. Income from the Matthews bequest for aviation and aeronautics books again supported major enhancement of the collections in these areas.

A landmark gift-in-kind was received this year: a second segment of Earhart memorabilia and papers. Some 60+ years after the original gift, the George Palmer Putnam Collection of Amelia Earhart Papers is together again. The Amelia Earhart digitization project went live this year as a part of the official acceptance of the collection addition. Scanning and inventory of the current collection continues. A large engineering and technology microform collection was received, courtesy of the Indiana University/Purdue University Indianapolis (IUPUI) Library. The collection includes publications from National Aeronautics and Space Administration (NASA), Department of Defense, and many other organizations, from the 1960s through 1989.   The contents are indexed in *Scientific and Technical Aerospace Reports*. Gifts-in-kind not needed for the collections continue to provide resources for the collections through the annual book sale and sales of serial volumes to vendors. On the flip side, the Purdue Libraries have contributed to the ongoing creation of a major digital archive by providing more than 115 duplicate serial issues to JSTOR to facilitate digitization of additional titles.

The innovative collaboration between the Libraries and the Purdue University Press continues to make current (front-list) Press monographs available to the Purdue community as PDF files, linked from the Libraries OPAC. This project inspired the CIC Libraries/Press Electronic Publishing Venture, which is piloting not only large-scale access to books in PDF, but also the creation of searchable content.

The server for this project is located here at Purdue and is supported by the Information Technology Department (ITD) staff.

The work of the Collections Team, chartered last year, supports a more systematic and system-wide approach to collection development, helping to ensure that users have access to the information resources they need, either on or off-site, in print or electronic format, to satisfy their academic objectives. A collections philosophy statement, affirming the Libraries focus on disciplines that meet undergraduate, graduate, and faculty objectives for learning and discovery, is now in place. This statement provides the conceptual framework for the next stages in the creation of a comprehensive, written, collection development statement for the Libraries.

User-Centered Services

A particular challenge again this year has been to maintain services to users as construction proceeds in the Humanities, Social Science and Education (HSSE) Library. Responding to both planned and unexpected construction challenges gave new meaning to the word "temporary." Asbestos abatement and replacement of floor coverings on the 2nd and 3rd floors required closing the circulating collection to the public for about ten weeks beginning in August 2001. Staff retrieved materials for users at regular intervals, working around the schedules of the contractors. The collection was constantly in flux. By the end of 2001, the first floor was vacated and the entrance and service points relocated to the 3rd floor. Helping users navigate unfamiliar layouts was an ongoing service need. The Engineering Library staff faced similar challenges on a smaller scale during last summer's heating, ventilation, and air conditioning (HVAC) improvements. Twenty-five thousand current periodicals were relocated to the shelving area behind the circulation desk, while maintaining user access through paging.

The rebirth of the HSSE Library as the "Electronic Library Academy" depends upon more than facilities renovation and state-of-the-art information technologies. Service provision needs to become more flexible and more responsive to the changing environment. With these needs in mind, changes in the organization of service delivery have been implemented. The new organizational structure is designed to advance a user-centered focus, based on mutual accountability and a more effective faculty and staff presence. For example, reference services will focus on outcomes in the context of user-driven information needs, assessing user expectations for reference effectiveness and examining services from the perspective of students and faculty. A vastly expanded website will enhance online guidance and instruction opportunities at the user's desktop.

Efforts to redesign and reinvent delivery of services, to effectively meet the changing needs of users, are ongoing. In the Earth and Atmospheric Sciences (EAS) library, a major reorganization of the map collection has been completed. What were previously two separate map collections, without logical distinctions between them for users, have become a single collection with one classification scheme, enabling users to locate resources themselves to a far greater extent than ever before. Integration of the Instructional Media Center (IMC) functions with other Undergraduate Library (UGRL) resources and services was completed with the integration of media reserve and Independent Study Class materials into the reserve collection. The Management and Economics Library (MEL) website, a gateway to business information, is continually updated and is organized as a self-service guide to this information. Users of the Consumer and Family Sciences Library (CFS) and Psychological Sciences Library (PSYC) have access to an online FAQ that answers about twenty of the most common queries. Student workers can also consult it when assisting users. Options for enhanced access to e-journals, both those accessible through the OPAC and those in aggregator databases, have been extensively examined by the Electronic Access Support Sub-Team. A recommendation for an e-journal management product, to create comprehensive and searchable access to all e-journals, is forthcoming. A mission statement for Purdue University Libraries (PUL) reference services, developed by the

Reference Services Team, is now in place. This statement facilitates the sense of common purpose, independent of physical location, that is requisite for virtual reference service.

The Digital Reference Services Sub-Team conducted a pilot "virtual reference" project this year. The pilot utilized software that enables synchronous, personalized interactions, including the capability for taking over the user's browser to walk through an information-finding process. The pilot experience identified a range of issues, including software challenges, hours of service, and staffing considerations, to be resolved in order to successfully scale up such a service. As Purdue's wireless network quickly becomes a reality, the need to provide reference service independent of location grows by geometric proportions.

In keeping with the growth of self-service in multiple venues, from banking to airline tickets to grocery store checkout, planning and pilot implementation for a 3-M self-check system was begun. This self-check capability complements the other self-service circulation features previously implemented in Voyager (renewals and recalls). UGRL and Physics were the pilot locations. In a preliminary user survey conducted in March 2002, over 75% of the 146 patrons who responded agreed strongly that the self-check machines are fast and easy to use, matching their own priorities for the value of the service. Approximately 75% of the items checked out in UGRL in the first 3 months of 2002 were through self-check. Initial observations indicate that self-check can be done in about half the time that the traditional checkout method takes, even without the factor of waiting in line. With circulation desk checkout transactions declining, staff can be redeployed to further other strategic-plan initiatives.

The Information Technology Department (ITD) has created or assisted in creating Web interfaces to over 25 locally developed databases that librarians have created and needed to make available on the Web in a real time up-to-date display of the data. The software, Cold Fusion, provides this capability. Programs have been created to send circulation and media notices by e-mail. E-mail distribution of circulation notices offers similar benefits as noted in the self-check deployment. Users receive notification more rapidly while less investment of staff time is required, creating a win-win situation. Service has been improved while a segment of staff resources can be reallocated to strategic priorities.

Work has been done with the Calumet campus to help manage the ongoing transition from barcode IDs to magnetic stripe IDs, and with the North Central campus to implement the Voyager Circulation module and a 2003 implementation of the Acquisitions module. Over 70,000 URLs in the OPAC were checked and verified this year. In order to eliminate as much as possible the constant changing of URLs for the user, ITD is investigating moving to a PURL (Persistent URL) server which maintains a persistent URL for the public, while changes are done in the background transparent to the user.

Interlibrary Loan (ILL)/document delivery statistics increased this year through the end of May with another annual increase of 15% for requests from Purdue patrons (total of 47,641). Sixty percent of these requests were filled from outside Purdue while most of the remaining requests were available locally. An all-time record month was recorded again this year in the month of February with 5,382 borrowing requests placed by Purdue patrons. Average turnaround time is 5.3 days for copies and 7.6 days for loans. Ninety- eight percent of all borrowing requests are now submitted on the Web electronic form. This 15% increase in requests results in a 10% increase in our costs to obtain materials from off campus. Lending requests (27,419) from outside Purdue remained constant over last year. Over one thousand of these requests were from for-profit organizations and were handled by the Libraries Technical Information Service (TIS). Average turnaround times for lending transactions are 2.5 days for copies and 2.2 days for loans, an improvement over last year. This is partly explained by ILL's new process of sending the request form to the departmental library via a networked printer rather than through campus mail. The online ILL/document delivery request form debuted in August 2000. By May of 2002, 95% of all requests were placed by patrons using that form.

Probably the most significant new service introduced this year was the desktop delivery of full text copies. TIS began the service early in 2002 and ILL initiated its service in April. By the end of May 2002 patrons received all articles/copies via desktop delivery. This service provides the user/requestor with a scanned image either sent to the user's e-mail or held on a server for later retrieval directly by the user. The new Ariel and Clio systems support this service. Access Services and ITD have jointly worked on this implementation. The Books on Demand Project (where recently published books are automatically purchased from Amazon under certain conditions when an ILL request is submitted) has acquired 956 books this year. HSSE records indicate that these books circulate at a higher rate than those purchased through "regular" channels.

Availability of database usage statistics has not improved to any great extent over last year. More vendors provide statistics but continue to be inconsistent. Obtaining comparable statistics from all vendors/publishers is still a problem. ITD continues to commit time to setting up procedures with vendors/publishers to receive statistics on a regular basis. What data ITD can get is now maintained in a database and statistics from individual vendors/publishers are available to Libraries staff online. ITD has continued to survey Libraries staff concerning needs and the Call Center software available in order to make a final decision on the software selection. As a result of that investigation, Footprints has been selected to replace the current RightNow Web which has become prohibitively expensive.

Infrastructure

Work on facilities improvements, both small- and large-scale, has once again been a significant part of the year's activities. *Phase II* of the HSSE renovation began, as noted above. The Life Sciences Library (LIFE) renovation was put on hold indefinitely, due to the state budget climate. Nonetheless, improvements in making the library more welcoming to users were achieved through reorganization of equipment and collections on the entry level. Plans to close the Biochemistry Library, and merge the collection into the Life Sciences Library, are going forward. Desktop delivery of e-journals has had a transformational impact on the needs of that department. Preparation for changing facilities is likewise ongoing in the Management and Economics Library.

Planning for major renovations made it timely to consider security-system selection across the Libraries, rather than to continue making decisions on a case-by-case basis. With the decision to move to the 3-M security system, next steps were addressed by an Ad Hoc Security and Self-Check Team, including development of practices and procedures to support implementation. One of the key processes for implementation is placing magnetic strips in library materials (TattleTaping). As a self-check pilot site, UGRL launched the first TattleTaping project, completing 62,964 volumes in 385 person hours. The UGRL staff and student assistants also assisted in TattleTaping the collection in the Physics Library, the second pilot site. The pilot sites found that while the process is time consuming and physically demanding, it can also be fun if a spirit of teamwork and shared responsibility is fostered. With their hard-won expertise, UGRL staff have been able to provide support in trouble-shooting, training, and hands-on assistance as other locations undertake the task. The CFS, MEL, and PSYC libraries have completed TattleTaping; LIFE and HSSE are in progress, and the Pharmacy, Nursing, and Health Sciences (PNHS) Library will begin shortly. New volumes are TattleTaped as part of processing in Technical Services.

Grooming of collections is not only a significant component of planning for changing facilities, it is integral to responsible stewardship in managing the Libraries' collection. Both planning and implementing the relocation and reorientation of the entire HSSE circulating collection were monumental tasks. Other work in HSSE includes projects such as the right sizing of the reference collection and updating location data for materials in local storage. A comprehensive review of serials in MEL has been completed and the collection footprint on the third floor reduced, in preparation for renovation. A comprehensive review of monographs in the Veterinary Medical Library (VetMed) has

been completed, with obsolete materials withdrawn and appropriate replacements ordered. Storage is a repository for lesser-used materials, many of which were deposited there when a different set of expectations about the collection were in place. Currently, subject specialists are reviewing earlier serials retention decisions in light of current needs and values, including viewing the collection as a totality rather than as 15 separate collections. Collection grooming is a labor-intensive effort, requiring review, physical disposition, and records maintenance, and typically draws upon the resources of multiple units, including Technical Services, Storage, and Auxiliary Services.

Creating optimal workflows, as the environment continues to change, remains a focus for Technical Services staff. Although the planned trial and implementation of electronic ordering was deferred to FY03 due to the reorganization of the Libraries Business Office and the integration of fiscal functions into the Acquisitions Unit, the turnaround time for standard order processing is 24 hours. The ongoing collaboration between Technical Services and the Business Office has brought continued improvements in workflow and process design. As credit card use in Acquisitions increased, a more efficient process for tracking these purchases was developed. Invoice processing was made current, with no backlogs at the present time. Streamlining of cataloging functions includes the incorporation of serials cataloging functions into the work of the Catalog Unit. The distributed maintenance model has been extended, with training in item record creation provided for MEL and UGRL. The goal is to achieve efficient processing while at the same time safeguarding the integrity of the database-of-record, in the best interests of the user.

User access to the HSSE circulating collection was improved with the reconnection of alternate rows of lighting, which had been disconnected many years ago as an energy-saving measure that had the unfortunate side effect of making it difficult to read print or call numbers in many of the aisles. The library was re-keyed, a step which increases security of the facility. Supporting the Libraries user-centered services approach, Auxiliary Services staff played key roles in keeping HSSE and ILL services available to the public through all phases of the renovation. When construction crews moved from the upper floors to begin demolition on the main floor, service desks, photocopiers, and public workstations were relocated to temporary spots, and the ILL office to its new post-renovation location, with a minimum of downtime for users.

Communication with their customers throughout the Libraries continued to improve as Auxiliary Services staff made further use of a call center approach to receiving and following up on requests for assistance and information. Two databases were developed, one to manage keys and one for oversight of telephone lines. The latter has improved the ability to track and eliminate lines that are no longer needed, thereby saving resources. A number of improvements in a truly behind-the-scenes area, the attic, resulted in better control of and decreased time involvement related to stored equipment, furnishings, and other Libraries property. Guidelines for the purchase of supplies, equipment, and furniture were developed by the Auxiliary Services and the Business Office staff, and the director of administrative services; procedures for initiating purchase requests through the University's new purchasing system, (ARIBA), were implemented; and a training session for designated supplies coordinators from all units was developed and presented.

The Personnel Office Interview Guide, reflecting a targeted selection approach for clerical/service and administrative/professional vacancies, along with a guide to help supervisors develop position descriptions, was completed. The Administrative Team has reviewed the guides and they will be presented to the Libraries Management Team later this summer, with training for supervisors to follow. The Libraries job web page is ready for review by the directors. *Inside Scoop* continues as an important communications tool within the Libraries.

A Libraries Performance Management System (LPMS) refresher class was presented, as well as several supervision-related programs within the Libraries staff development program. The Clerical/Service Libraries/Press Performance Management System Team has not met in its entirety in

2001-2002, the second cycle of the C/S performance system's implementation. However, team members met with Libraries supervisors for an informal review of the first C/S LPMS cycle and to solicit feedback regarding the content of LPMS training. The University introduced a new supervisory-training program (LeadingEdge) and it is anticipated that this series of classes will be offered for Libraries employees in spring 2003.

The Staff Development and Training Program continues to provide the campus with a model for staff development, answering frequent requests for data on enrollment and other measures of the program's impact, as well as copies of course materials. Recent discussions have explored the development of a cooperative learning agreement with Business Services. The fifth full year of the program broke the normally increasing trend of the number of training sessions initially offered. The same decline was seen in the number of courses presented this year. Improvements in the program this year included the introduction of a database-driven website which will help employees, as well as instructors, quickly and easily obtain attendance reports and instructional materials, and perform certain course management functions, without having to rely on a centralized database administrator. The staff development advisory committee was reinstated.

Development of the Excellence 21 project between MEL and the School of Management, progressed slowly. Because the school has little interest in an asynchronous course on information strategies for business, as originally conceived, the project will probably be a classroom course. This year was used to further develop the curriculum and the demand for such a course, by offering a series of workshops on specific facets of business research. Attendance was small, consistent, and overwhelmingly positive. Further discussions and planning with key players in the school will enable MEL to better determine where this course will fit into the school's program; interest remains high for this type of integration. In regard to the other Excellence 21 project, statistics have been kept on usage of the human-animal bond destination website since its activation in October of 2000. The team is now in the position to evaluate use statistics and will convene in fall 2002 to determine future actions.

As always, these accomplishments are only highlights, representative of the extensive efforts of faculty and staff in delivering a wide range of library services. Each time the user's information need is met, it is the culmination of multiple actions by many people whose efforts result in the delivery of resources and services. Ever more sophisticated options in information technology and in desktop delivery of information continue to modify how users access the Libraries. With the University's implementation of a wireless network, our challenge will be to make Libraries' resources and services as ubiquitous, as obvious, and as user-friendly as Google. "Everywhere, every time" remains our 21st century challenge.

Outreach and Other Highlights

Using the Purdue Employees Federal Credit Union (PEFCU) Endowment, two faculty members continue to work with local public librarians to develop and present electronic information classes on topics of interest to the community. A new initiative which will hopefully come to fruition is a collaboration with local elementary school teachers to develop a learning module on Amelia Earhart using the library's digitized collection. The desire is to ultimately make the module available to teachers across the nation.

Challenges and Opportunities

The ability to reallocate existing funds continues to create wonderful opportunities to support new programs and services. The impact of funds generated from these opportunities is a significant reason why the Libraries have been able to move forward with most areas of the strategic plan. Unfortunately the economic situation facing us in the 2001-2003 biennium as a result of "mandated" reallocations will affect our ability to continue moving forward with plans at the desired pace. The

preceding sentences are the same as last year although the concern is now much greater. We are facing the need to replace, within 18 months, all the public workstations and the THOR servers as well as upgrading staff workstations. At this point, there are not sufficient funds to accomplish this.

The high level of success which the Libraries enjoys is due to the hard work of many individuals. The diligence, dedication, and creativity of the Libraries faculty and staff has provided the foundation of this year's successes. The support of the university administration, particularly the Provost, Sally Frost Mason, is noted with great appreciation.

Purdue University Libraries
Statistical Summary

	As of June 30, 2000	As of June 30, 2001	As of June 30, 2002
Collections			
Volumes in Library	2,343,268	2,355,345	2,393,585
Volumes Added (Gross)	40,661	53,445	50,316
Current Serials – Total	18,635	19,745	20,509
Microform Units	2,373,378	2,487,846	2,518,849
Government Documents	487,183	487,859	488,464
Acquisitions			
Monographs Purchased	13,460	13,707	16,581
Serials Purchased (subscriptions)	11,978	13,082	13,836
Services			
Total Items Loaned	20,646	24,817	24,365
Total Items Borrowed	23,051	27,616	28,503
Reference Transactions	125,544	100,261	94,237
Circulation	581,744	510,307	519,064
Staff FTE			
Faculty/Professional Staff	61	64	62
Support Staff	150	145	143
Student Assistants	54	60	58
Expenditures			
Library Materials:			
Monographs	$ 867,019	$ 1,145,748	$ 1,051,696
Current Serials	$ 4,434,107	$ 4,550,522	$ 4,963,111
Contract Binding	$ 131,570	$ 130,115	$ 121,394
Salaries and Wages:			
Faculty/Professional Staff	$ 2,887,939	$ 2,940,032	$ 3,081,108
Support Staff	$ 2,734,743	$ 2,767,418	$ 2,888,689
Student Assistants	$ 621,591	$ 713,143	$ 660,776
Other Operating Expenditure	$ 2,588,393	$ 2,272,567	$ 3,208,467
Total Library Expenditures	$ 14,265,362	$ 14,519,545	$ 15,975,241

Source: ARL Annual Statistics
          Purdue University Libraries Statistic

Faculty Roster

Anderson, Kristine J. (1988) English and Theatre Bibliographer and Reference Librarian; Associate Professor of Library Science.

Brandt, D. Scott (1993) Technology Training Librarian; Associate Professor of Library Science.

Chapman, Albert T. (1995) Government Publications Coordinator/Reference Librarian; Associate Professor of Library Science.

Clark, Kathleen A. (1993) Assistant Life Science Librarian; Associate Professor of Library Science. Resigned August 2001.

Corya, William L. (1965) Director, Information Technology; Associate Professor of Library Science.

Culp, F. Bartow (1994) Chemistry Librarian; Assistant Professor of Library Science.

Curl, Sheila R. (1996) Engineering Librarian; Assistant Professor of Library Science.

Erdmann, Charlotte A. (1984) Assistant Engineering Librarian; Associate Professor of Library Science.

Ferullo, Donna L. (2000) Director, University Copyright Office; Assistant Professor of Library Science.

Fosmire, Michael J. (1998) Science Librarian; Physics & Earth and Atmospheric Librarian; Assistant Professor of Library Science.

Freeman, Brook J. (2001) Assistant Life Sciences Librarian; Assistant Professor of Library Science.

Freeman, Robert S. (1996) Foreign Languages and Literatures Bibliographer and Reference Librarian; Assistant Professor of Library Science.

Fritch, John W. (1998) Reference and Instruction Librarian; Assistant Professor of Library Science.

Funkhouser, Richard L. (1957) Mathematical Sciences Librarian; Associate Professor of Library Science. Retired August 2001.

Geahigan, Priscilla C. (1977) Consumer and Family Science Librarian and Psychological Sciences Librarian; Professor of Library Science.

Herubel, Jean-Pierre V.M. (1987) Philosophy and Political Science Bibliographer and Reference Librarian; Associate Professor of Library Science.

Hewison, Nancy S. (1985) Director, Administrative Services; Professor of Library Science.

Hovde, David M. (1989) Sociology and Anthropology Bibliographer and Reference Librarian; Associate Professor of Library Science.

Kelly, Sarah A. (1983) Life Sciences Librarian; Associate Professor of Library Science.

Kern-Simirenko, Cheryl A. (1994) Associate Dean and Director of Public Services and Collections; Professor of Library Science.

Killion, Vicki J. (1991) Pharmacy, Nursing and Health Sciences Librarian; Associate Professor of Library Science.

King, Christine E. (1999) Education Bibliographer and Reference Librarian; Associate Professor of Library Science.

Kinkus, Jane F. (2001) Mathematical Sciences and General Sciences Librarian; Assistant Professor of Library Science.

Kirkwood, Jr., Harold P. (1997**)** Assistant Management and Economics Librarian; Assistant Professor of Library Science.

Kramer, Roberta J. (1974) Instructional Media Librarian; Associate Professor of Library Science. Retired August 2001.

Macklin, Alexius E. (1998) User Instruction Librarian; Assistant Professor of Library Science.

Mandernack, Scott B. (1990) Reference and Instruction Librarian; *Interim* Undergraduate Librarian beginning January, 2002; Associate Professor of Library Science.

Markee, Katherine M. (1968) Databases Librarian/*Interim* Special Collections Librarian; Associate Professor of Library Science.

Mobley, Emily R. (1986) Dean of Libraries; Esther Ellis Norton Distinguished Professor in Library Science.

Mykytiuk, Lawrence J. (1993) History Bibliographer and Reference Librarian; Associate Professor of Library Science.

Nixon, Judith M. (1984) Management and Economics Librarian; Professor of Library Science.

Pask, Judith M. (1975) Undergraduate Librarian; Professor of Library Science. Retired January 2002.

Saunders, E. Stewart (1978) Collection Development Coordinator for Humanities, Social Science and Education; Associate Professor of Library Science.

Snow, Carl E. (1968) Network Access Librarian; Assistant Professor of Library Science.

Stafford, Carl W. (1968) Instructional Development Manager; Assistant Professor of Library Science.

Stephens, Gretchen (1976) Veterinary Medical Librarian; Associate Professor of Library Science.

Tucker, J. Mark (1979) Humanities, Social Science, and Education Librarian; Professor of Library Science.

Van Epps, Amy S. (2000) Assistant Engineering Librarian; Assistant Professor of Library Science.

Venable, Jennifer (2001) Assistant Management and Economics Librarian; Assistant Professor of Library Science.

Yu, Song (2000**)** Chemical Information Specialist; Assistant Professor of Library Science.

Publications and Professional Activities

Anderson, Kristine J.

Publications

"Georg Brandes." *Encyclopedia of Life Writing*, edited by Margaretta Jolley, Chicago: Fitzroy Dearborn, 125-126 (2001).

"Dictionary of American Biography." *Encyclopedia of Life Writing*, edited by Margaretta Jolley, Chicago: Fitzroy Dearborn, 271-272 (2001).

"Johannes Ewald." *Encyclopedia of Life Writing*, edited by Margaretta Jolley, Chicago: Fitzroy Dearborn, 313-314 (2001).

"Julien Green." *Encyclopedia of Life Writing*, edited by Margaretta Jolley, Chicago: Fitzroy Dearborn, 404-406 (2001).

Invited Lectures/Papers

"The Absurdity of Perfection: A Danish Perspective." Society for Utopian Studies, Buffalo, NY, October 4-6, 2001.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Association for College and Research Libraries. Literatures in English Section. Chair.

Brandt, D. Scott

Grants and Fellowships

Honorary Research Fellowship. University of Staffordshire. Birmingham, England (May-August, 2001)

Publications

Teaching Technology. New York: Neal Schuman Publishers, Inc., 2001.

"Reference, Mental Models and Teaching Technology." *The Reference Librarian*, 74 (2001): 37-48.

"Information Technology Literacy: Mental Models and Task Knowledges." *Library Trends,* 50:1 (Summer 2001): 74-87.

"Consumerism and the Web: Helping Students Consume Information." *Library Issues. Briefings for Faculty and Administrators*, 22:4 (March 2002).

and Lorna Uden
"Knowledge Analysis Of Tasks For Instructional Design." *Educational Technology,* 41:5 (September/October 2001): 59-63.

and Lorna Uden
"A Simplified Method of Eliciting Information from Novices." *Educational Technology*, 42:1 (January/February 2002): 52-55.

Invited Lectures/Papers

"Teaching Technology." Half-day workshop. Internet Librarian Conference, Pasadena, CA, November 4-7, 2001.

"Teaching the Internet in 49 Minutes." Half-day workshop. Computers In Libraries 2002 Conference, Washington, DC, March 12, 2002.

Elected Offices and Committee Appointments, Editorial Boards

Information Today, Inc. 6th Annual Internet Librarian Conference. Program Committee. Member.

Information Today, Inc. 17th Annual Computers In Libraries Conference. Program Committee. Member.

Editorial Advisory Board. *Online Information Review: The International Journal of Digital Information Research and Use.* MCB University Press. West Yorkshire, England.

Chapman, Albert T.

Publications

"Assessments of China's Military: A Resource Guide." *Bulletin of Bibliography*, 58:3 (2001): 145-58.

"The Revolution in Military Affairs: A Resource Guide." *Bulletin of Bibliography,* 59:1 (2002): 1-24.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Government Documents Roundtable. Rare and Endangered Government Publications Committee Member.

Indiana Networking for Documents and Information of Government Organizations (INDIGO). Webmaster.

Indiana Networking for Documents and Information of Government Organizations (INDIGO). Newsletter Editor.

Culp, F. Bartow

Publications

"Streamlining Electronic Access With Windows Terminal Server." *Library Hi Tech*, 20:3 (August 2002): 302-307.

Invited Lectures/Papers

"Mr. Cooper and Mr. Davenport: A Tale of Two Britties." American Chemical Society National Meeting, Chicago, IL, August 2001.

"Teaching Chemical Information: Tips and Techniques." American Chemical Society National Meeting, Chicago, IL, August 2001.

"Using Poster Sessions in a Chemical Information Course." American Chemical Society National Meeting, Chicago, IL, August 2001.

Elected Offices and Committee Appointments, Editorial Boards

American Chemical Society, Chemical Information Division. Education Committee. Member.

American Chemical Society, Chemical Information Division. Education Committee. Representative to the ACS Committee on Professional Training.

Special Libraries Association. Chemistry Division. Executive Board. Member.

Special Libraries Association. Chemistry Division.   Education Committee. Member.

Special Libraries Association. Chemistry Division. Professional Development Committee.
Member.

Erdmann, Charlotte A.
Publications
"Resource Sharing in Engineering and Science Libraries." *Science and Technology Libraries,*
19:3/4 (2001): 39-55.

"Resource Sharing in Engineering and Science Libraries." *Engineering Libraries: Building
Collections and Delivery Services*, edited by Thomas W. Conkling and Linda R. Musser, 39-55.
New York: Haworth Press, 2001.

Invited Lectures/Papers
Tom Turner and
"Cassis Hot Shots - Advanced Tricks." Patent and Trademark Depository Library Annual
Training Seminar. Arlington, VA, March 19, 2002.

"PTDL Best Practices Round Tables." Moderator. Patent and Trademark Depository Library
Annual Training Seminar. Arlington, VA, March 22, 2002.

Elected Offices and Committee Appointments, Editorial Boards
Patent and Trademark Depository Library Association. Regional Representative.

Patent and Trademark Depository Library Association. Mentoring Task Force.

Ferullo, Donna L.
Elected Offices and Committee Appointments, Editorial Boards
Committee on Institutional Cooperation (CIC). Digital Library Initiatives Overview Committee
(DLIOC). Copyright member.

Indiana Higher Education Telecommunications System (IHETS). Indiana Partnership for
Statewide Education (IPSE). Copyright and Intellectual Property Committee.

Fosmire, Michael J.
Publications
"Physics Conference Proceedings and the Electronic Environment-An Investigation of New
Dissemination Patterns." *Collection Management,* 26:1 (2001): 25-33.

Alexius Macklin and
"Real-World Solutions for Real-World Collaboration Problems." *Proceedings of the 30th Annual
LOEX Conference,* May 2002. http://www.emunix.emich.edu/~rbaier/FTP/loex2002/

and Alexius Macklin
"Riding the Active Learning Wave: Problem-Based Learning as a Catalyst for Creating Faculty-
Librarian Instructional Partnerships." *Issues in Science and Technology Librarianship,* 34 (Spring
2002). http://www.istl.org/02-spring/article2.html.

Invited Lectures/Papers
"Let's Get Physical!: Physical Science Reference for Non-Scientists." Continuing Education
Course. Special Libraries Association. 93rd Annual Conference. Los Angeles, CA, June 2002.

Elected Offices and Committee Appointments, Editorial Boards
    Special Libraries Association. Physics-Astronomy-Mathematics Division. Chair-Elect .

    Special Libraries Association. Physics-Astronomy-Mathematics Division. Treasurer .

    Special Libraries Association. Indiana Chapter. Treasurer.

    Editorial Board. *Issues in Science and Technology Librarianship.* Association of College and Research Libraries. Webliography section. Editor.

Freeman, Robert S.
    Publications
    "Carossa, Hans." In *Encyclopedia of Life Writing*, edited by Margaretta Jolly, London, Fitzroy Dearborn, 182-183 (2001).

    "University of Tübingen Library." In *International Dictionary of Library Histories,*
    edited by David H. Stam, Chicago, Fitzroy Dearborn, 783-786 (2001),

    Elected Offices and Committee Appointments, Editorial Boards
    American Library Association. American College and Research Libraries. Western European Studies Section. Membership Committee.

    American Library Association. Library History Round Table. Nominations Committee. Member.

    American Library Association. Library History Round Table. Society for the History of Authorship, reading, and Publishing (SHARP). Liaison.

Fritch, John W.
    Publications
    and Robert L. Cromwell
    "Evaluating Internet Resources: Identity, Affiliation, and Cognitive Authority in a Networked World." *Journal of the American Society for Information Science and Technology*, 52:6 (2001): 499-507.

    and Scott B. Mandernack
    "The Emerging Reference Paradigm: A Vision of Reference Services in a Complex Information Environment." *Library Trends*, 50:2 (2001): 286-305.

    Elected Offices and Committee Appointments, Editorial Boards
    American Library Association. Reference and User Services Association. Machine-Assisted Reference Section. Management of Electronic reference Services Committee. Member.

    Beta Phi Mu. Indiana Chapter. Secretary.

Funkhouser, Richard L
    Honors and Awards
    State of Indiana. Sagamore of the Wabash. Awarded by Governor Frank O'Bannon, September 25, 2001.

    Special Libraries Association, Hall of Fame, June 12, 2002.

Geahigan, Priscilla C.
Publications

Editor. *Lodging, Restaurant, and Tourism Index, 2001*. West Lafayette, IN: Purdue University, 2002.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Association of College and Research Libraries. Consumer and Family Studies Discussion Group. Chair.

Herubel, Jean-Pierre V.M.
Publications

"André Malraux: French Writer, Politician, and Autobiographer." *Encyclopedia of Life Writing*, edited by Margaretta Jolly, 582-583. London: Fitzroy Dearborn, 2001.

"Recent Articles in French History." *French Historical Studies,* 25 (Winter 2002): 173-186.

"Recent Articles in French History." *French Historical Studies,* 25 (Summer 2002): 559-570.

Elected Offices and Committee Appointments, Editorial Boards

Editorial Board. *French Historical Studies*. Duke University Press, Durham, NC.

Kern-Simirenko, Cheryl A.
Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Association for Library Collections and Technical Services. Collection Management and Development Section. Quantitative Measures for Collection Management Committee.

American Library Association. Association for Library Collections and Technical Services. Collection Management and Development Section. North American Title Count Subcommittee. Chair.

Killion, Vicki J.
Invited Lectures/Papers

"Developments in Radiopharmaceuticals: Update on Drug Information Resources." American Pharmaceutical Association Annual Meeting and Exposition. Philadelphia, PA, March 18, 2002.

Elected Offices and Committee Appointments, Editorial Boards

American Association of Colleges of Pharmacy (AACP). Library/Education Resources Section. AACP Basic Resources for Pharmaceutical Education. Editor for sections of nuclear pharmacy, medical chemistry, veterinary pharmacology, and electronic resources.

American Association of Colleges of Pharmacy. Libraries/Educational Resources Section. Chair-elect and Chair.

Medical Library Association. MLA Representative to the American Association of Colleges of Pharmacy. Libraries/Educational Resources Section.

Medical Library Association. Midwest Chapter. Representative-at-large.

King, Christine E.
Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Association of College and Research Libraries. Education and Behavioral Sciences Section. Reference Sources and Services Committee. Member.

Kirkwood, Jr., Harold P.
   Invited Lectures/Papers
      "Web-based Financial Databases—Critical Evaluation" and "Web-based Investment & Market Research Databases – Critical Evaluation." Continuing Education Course. Co-instructor. Special Libraries Association. Los Angeles, CA, June 8-13, 2002.

      "Middle East and North Africa Sites: One-Dot Shopping: An Update of the Best International Business Sites." Panelist. Special Libraries Association. Los Angeles, CA, June 8-13, 2002.

Macklin, Alexius E.
   Publications
      and Michael Fosmire
      "Real-World Solutions for Real-World Collaboration Problems." *Proceedings of the 30th Annual LOEX Conference,* May 2002. http://www.emunix.emich.edu/~rbaier/FTP/loex2002/

      Michael Fosmire and
      "Riding the Active Learning Wave: Problem-Based Learning as a Catalyst for Creating Faculty-Librarian Instructional Partnerships." *Issues in Science and Technology Librarianship* 34 (Spring 2002). http://www.istl.org/02-spring/article2.html

   Invited Lectures/Papers
      with Joe La Lopa
      "Information Literacy and Problem-based Learning Seminar." University of Tennessee, Knoxville, May 16-18, 2002.

      with Joe La Lopa
      "Information Literacy and Problem-based learning: effective ways of collaborating with faculty." IUPUI, Indianapolis, IN. July 31, 2002.

   Elected Offices and Committee Appointments, Editorial Boards
      Editorial Board. *Public Services Quarterly.*

Mandernack, Scott B.
   Publications
      and John W. Fritch
      "The Emerging Reference Paradigm: A Vision of Reference Services in a Complex Information Environment." *Library Trends*, 50:2 (2001): 286-305.

   Invited Lectures/Papers
      "Conceptualizing and Developing CORE: An Online Research Tutorial." School of Library and Information Studies (SLIS L554, Education of Information Users), IUPUI, Indianapolis, IN, February 2002.

   Elected Offices and Committee Appointments, Editorial Boards
      American Library Association. Association of College and Research Libraries. Instruction Section. Planning Committee. Member.

      American Library Association. Association of College and Research Libraries. Instruction Section. Pre-Conference Program Planning Committee. Co-Chair.

Mobley, Emily R.
   Invited Lectures/Papers
      "Chaos Theory and Academic Libraries." Keynote Speech. Academic Library Association of Ohio Annual Conference, October 26, 2001, Ashland, OH.

"Serials Challenges and Solutions: The View from the Director's Chair." Plenary Speech. North American Serials Interest Group Annual Conference, June 22, 2002, Williamsburg, VA.

Elected Offices and Committee Appointments, Editorial Boards

Editorial Board. *Reference Services Review*. MCB University Press. West Yorkshire, England.

Massachusetts Institute of Technology. Library Visiting Committee.

Carnegie-Mellon University. Library Visiting Committee

Nixon, Judith M.

Publications

"Krannert Special Collection: The Story of Treasures in Economics at Purdue University and How They Found Their Way to Indiana*." Journal of Business & Finance Librarianship*, 8:1 (2002): 3-25.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Reference and User Services Association. RUSA Professional Development Committee. Member.

American Library Association. Business Reference and Services Section. Publications Committee. Member.

American Library Association. Business Reference and Services Section. Membership Publications List. Editor.

American Library Association. Business Reference and Services Section. Directory of BRASS Members. Editor.

Editor, Book and CD-ROM Reviews Column. *Journal of Business & Finance Librarianship,* Haworth Press, Binghamton, NY.

Editorial Board. *Journal of Agricultural and Food Information.*

Editorial Board. *Journal of Business & Finance Librarianship.*

Saunders, E. Stewart

Publications

"University of Paris Libraries: Sainte Genvieve Library." In *International Dictionary of Library Histories,* Vol. 2, edited by David H. Stam, 877-879. Chicago: Fitzroy Dearborn, 2001.

Invited Lectures/Papers

"Cost Efficiency of ARL Libraries." Library Research Seminar II. University of Maryland, College Park, MD, November 3, 2001.

Stephens, Gretchen

Publications

and Betty Brown
"From Cat Behavior to Zoo Medicine: Recent Publications for the Practicing Veterinarian. 23rd edition." West Lafayette, IN (2001): School of Veterinary Medicine, Purdue University, (2001). 10p. http://www.lib.purdue.edu/vetmed/vetpubs2001.html

and Betty Brown
"RecentPublications of Interest to Veterinary Technicians & Technologists, 12th Edition, 2001." In Proceedings of the 25th Annual Fall Conference for Veterinary Technicians, 135-145. West Lafayette, IN: School of Veterinary Medicine, Purdue University.
 http://www.lib.purdue.edu/vetmed/vetechpubs2001.html

"Animal Health and Veterinary Science." *Using the Agricultural, Environmental, and Food Literature*, edited by B. Hutchinson and A. P. Greider, New York, NY, Marcel Dekker, 75-134 (2002).

Elected Offices and Committee Appointments, Editorial Boards
Medical Library Association. Veterinary Medical Libraries Section. Archivist.

Medical Library Association. Veterinary Medical Libraries Section. Bylaws Committee. Chair..

Tucker, J. Mark
Publications
"Land-Grant University Libraries." In *International Dictionary of Library Histories,* edited by David H. Stam, Chicago: Fitzroy Dearborn, 88-90 (2001).

"Logos, Biblos, and Bibliotheke: Christian Influences in Library Development." Christian Librarian [USA], 45:1 (2002): 7-13.

Invited Lectures/Papers
and Donald G. Davis, Jr.
"Written for Our Instruction: Professional Ancestors Who Integrated Faith and Practice." Association of Christian Librarians, Nashville, TN, June 13, 2002.

Elected Offices and Committee Appointments, Editorial Boards
American Library Association. Library History Round Table. Liaison to *Libraries & Culture.*

Advisory Board. *Libraries & Culture*. University of Texas Press, Austin, TX.

Editorial Board. *Dictionary of American Library Biography*. Libraries Unlimited, Westport, CT.

Wheaton College. Buswell Memorial Library. Ten-year Review Committee.

Van Epps, Amy S.
Publications
"Use of Various Electronic Engineering Databases." In *Proceedings of the ASEE IL/IN Sectional Conference*, Illinois Institute of Technology, Chicago, IL, (April, 2002): 172-174.

Invited Lectures/Papers
"Information Needs of Engineers and the Role of the Library." Lafayette College, Easton, PA. November 2001.

Yu, Song
Publications
Rui-Hua Xie and
"The Effect of Two-Photon Quantum Interference on Amplitude-Squared Squeezing of a Quantum Field." *Journal of Optics B: Quantum and Semiclassical Optics*, 4:3 (June 2002): 172-178.

Invited Lectures/Papers

"Not Just Full Text Articles: A Study of the Search Function Among Chemistry Electronic Journal Websites." American Chemical Society. 223rd National Conference. Orlando, FL, April 2002.

Elected Offices and Committee Appointments, Editorial Boards

American Chemical Society. Division of Chemical Information. Education Committee. Member.