

PURDUE
UNIVERSITY

LIBRARIES

ANNUAL REPORT AND SUMMARY OF PUBLICATIONS AND PROFESSIONAL ACTIVITIES

JULY 1, 2002 – JUNE 30, 2003



**Annual Report
And
Summary of Faculty
Publications and Professional Activities**

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The 2002-2003 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

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2002-2003 ANNUAL REPORT

Emily's Section

The Learning Library

Information literacy instruction, supported by the identification of information literacy as a core competency for students in the University's strategic plan, continues to be a high-priority activity in public services. The new Digital Learning Collaboratory (DLC), opened by President Martin C. Jischke in September 2002, reflects the Libraries commitment to information literacy learning in a user-centered technology environment. A joint initiative of the Libraries and Information Technology (ITaP), the DLC not only features high-end technology for multi-media creation, but also offers a unique program that enables integrated learning in a collaborative environment. It supports the integration of skills in information literacy and technology literacy with subject content in the undergraduate curriculum, thus furthering key strategies in the University's strategic plan, as well as the strategic goals of the Libraries and ITaP. Student response has been enthusiastic, and key faculty have also been excited about the new learning opportunities that can be incorporated into coursework now that students have access to the resources of the DLC. The collaborative nature of the DLC has fostered additional partnerships. For example, students in English 203, Research for Professional Writing, produced quick guides for the use of Adobe Premier as their final class project, which now are posted in the DLC to provide basic point-of-use assistance to users of Premier. The DLC was also the site of an innovative Boiler Gold Rush workshop that gave new freshmen hands-on, problem-based opportunities to create multi-media products that reflected information and technology literacy learnings.

Major progress in mainstreaming the LEADER (Learner EnAbleD Digital Environment Resource) problem-based learning approach, designed to teach in-depth, subject-oriented, information literacy skills as an integrated part of the curriculum, occurred this year. This approach was successfully integrated into the cases used in the School of Veterinary Medicine's Applications and Integrations curriculum and subsequently demonstrated at the Teaching and Learning with Technology showcase. 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. Dual outcomes of this approach are improved information literacy skills for students and enhanced availability and awareness of information literacy resources for instructors. The User Instruction Team, with funding from the LEADER project, sponsored a two-day professional development training retreat

that brought together teams of Libraries and departmental teaching faculty. Active learning projects, incorporating information literacy into coursework, developed at this retreat will be supported by small LEADER grants. Projects include instruction in eleven diverse areas, such as civil engineering, management, bioinformatics, and math education.

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. Courses requiring orientation-level information skills are encouraged to use CORE (Comprehensive Online Research Education), the popular interactive web-based tutorial, as an alternative to the traditional 50-minute bibliographic instruction session. Over 1,800 individual accounts were created in CORE this year, originating from 84 unique courses. Site visits, including those from users who did not set up accounts, increased more than 50% over last year. CORE was also used as the basis for instruction in the Libraries credit course, GS175, Information Strategies. New online resources offered this year include broad guides to research, based on the structure of knowledge in an area, such as those developed for Scholarly Communication in the Humanities, Social Science and Education (HSSE) Library, Art Studies, Communication, and Philosophy, as well as database-specific tutorials, such as Choices 3 (marketing and media research) and CAB Abstracts (veterinary medicine). An animated tutorial (using FLASH) on spectroscopy was created for students in introductory organic chemistry labs. Another multimedia tutorial presents strategies for reading scientific papers, supporting students whose assignments require reading the research literature of their discipline.

Librarians taught 244 course-related classes to over 7,121 students in 30 departments. 125 of these sessions were integrated into advanced-level courses required for a particular major or graduate-level work. These figures represent a 40% increase over last year, and a return to 2001 levels. However, the interactions represented by these numbers have, in many cases, changed dramatically. The shift from traditional bibliographic lectures to active learning activities has enhanced student learning and demonstrated the value of information literacy instruction. These efforts include a diverse range of commitments, such as new opportunities in Agriculture 101 and forensic science, team-teaching of Advanced Taxation, patent instruction, redesign of drug information and clinical trials instruction for Integrated Labs in Pharmacy, and problem-based learning approaches in Forestry and the Earth and Atmospheric Sciences (EAS) Library. Engineering librarians are providing information literacy instruction for a new Summer Undergraduate Research Institute, open to students from a variety of institutions, focused on nanotechnology.

Another major information literacy initiative undertaken this year is the development partnership created to enable the seamless integration of library resources into Web-CT courses. The Libraries has licensed digital assets management software (ENCompass) from Endeavor Systems, while ITaP has licensed enterprise courseware (Vista) from Web-CT. Libraries/ITaP collaboration to leverage these vendor relationships created the development partnership. A team that includes both Libraries faculty and staff and ITaP staff, with a range of expertise in instruction, service delivery, and information technology, are working closely with ENCompass and Vista developers to create the tool-set and interface that will support the desired integration.

Our need to keep our staff up to date on new technology and instructional/training techniques continues to increase. Nineteen new technology courses were developed by the Information Technology Department (ITD) Technology Training. Staff Development and the Technology Training unit offered a total of 177 classes this year, an increase of 38 over last year. Examples of important new technology courses are: QuestionPoint electronic reference, MS Windows XP, Dreamweaver Web authoring, and Outlook Calendaring training.

Seven separate instructional modules were created over the year. In addition, various graphic design development projects throughout the Libraries such as the Amelia Earhart State Fair presentation, a management database for Management and Economics Library (MEL), the Copyright Office's web pages, the Ask Librarians electronic reference service, and Consumer and Family Sciences (CFS) Library resources pages were completed.

Scholarly Communication

Increasingly, the Libraries role in scholarly communication includes providing opportunities for students and researchers to create, digitize, manipulate, and analyze information. The DLC in the Undergraduate (UGRL) Library, the Center for Scholarly Communication (CSC) in the HSSE Library, as well as the addition of a map scanner to the EAS Library, are all examples of this trend. The CSC provides instruction and support to the Purdue community in the creation and use of electronic texts and images in scholarly research and communication. Learning and research in the humanities will be greatly enhanced by the availability of these resources. Funded by the University's Instructional Equipment Fund, as the result of a collaborative, multi-department proposal, a map scanner is now available in the EAS Library, enabling students to create geospatial datasets for manipulation and analysis. The CSC was planned as part of the HSSE "Electronic Library Academy," while the DLC and map-scanning capacity represent more recent opportunities. This has been a banner year in making knowledge creation opportunities available to the Purdue community.

FY 03 was a year of transition in the administration of the materials budget. In preparation for moving from the school/departmental/library model to a subject-based model, all monograph allocations made for FY 02 remained in place for FY 03. Maintaining the *status quo* allowed time for discussion and comment from the University Library Committee, Deans, department heads, etc., about a model designed to better meet the challenges of supporting programmatic goals for learning and discovery, as articulated in strategic plans. With those discussions successfully concluded, and with enthusiastic and widespread support for the proposed restructuring, the subject-based model is being implemented for FY 04.

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 again this year. There are now over 3,500 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. Titles from 13 publishers, including Academic Press, Blackwell Science, Optical Society of America, and Sage Publications, were added this year, along with the JSTOR Ecology and Botany Collection.

Other full-text resources added include *Knovel* (database of science and engineering handbooks), *ASAE Technical Library* (agricultural engineering), *Key Business Ratios*, *BioKnowledge Library* (proteomics) and the *CQ Electronic Library* (American government). Specialized online bibliographic indexes added include *Anthropology Index* and *Worldwide Political Science Abstracts*. The *Lodging, Restaurant, and Tourism Index*, produced through the Consumer and Family Sciences (CFS) Library for many years, has now been sold to Ebsco. The Purdue Libraries will receive a complimentary subscription, in perpetuity, as part of this sale agreement.

Print collections, particularly monograph acquisitions, continue to play a critical role in the curricular and research needs of the Purdue community. These collections have been enriched significantly by the first infusion of new funds since 1991.

In addition, non-recurring monies from the Central Book fund was used for monographs and other one-time purchases in areas identified by librarians as needing collection enhancements. Twelve areas were targeted, representing diverse research and curricular needs, from international human rights to fuzzy logic; nonlinear optics to wired business; undergraduate resources to healthcare policy; cinema history to security issues. Income from the Matthews gift for aviation and aeronautics books again supported major enhancement of the collections in these areas.

Gifts-in-kind continue to enhance the collections in important ways. Nearly 1,000 volumes were added to the Joseph Haberer collection this year. Last year's gift of an engineering and technology microform collection, received courtesy of the Indiana University/Purdue University Indianapolis (IUPUI) Library, now supports 40% of Purdue users' requests for National Aeronautics and Space Administration (NASA) documents. 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.

The George Palmer Putnam Collection of Amelia Earhart Papers, a gift in two parts received some 60 years apart, was showcased in several venues this past year and provided opportunities to celebrate Earhart, her relationship with Purdue, and the Libraries. The organization, digitization, and overall stewardship of this and other unique collections will benefit from the appointment of the Libraries first trained archivist in fall 2003.

User-Centered Services

Efforts to redesign and reinvent delivery of services, to effectively meet the changing needs of users, are ongoing. Major initiatives this year include re-design of the Libraries web-site, enhanced access to e-journals through implementation of the TD-Net journal management product, the ENCompass gateway project, and the introduction of digital reference service. Several of these enhanced access efforts were highlighted and promoted at the Teaching and Learning with Technology showcase.

The Web Site Support Team had primary responsibility for the redesign of the Purdue University Libraries (PUL) web site. The successful implementation of this new site involved a range of issues and activities, including usability testing, security, establishment of policy and guidelines for page creation, training, and collaboration with other teams. The result is more coherent, streamlined, and user-friendly access to the broad range of Libraries resources and services.

The Electronic Access Support Sub-Team (EASST) achieved similar outcomes for e-journal use with the implementation of the TD-Net service for e-journal management. This management system provides user-friendly access to e-journal content, irrespective of how the Libraries have licensed the content. Titles licensed directly from publishers, titles available as full-text image files from within bibliographic databases, and titles available from aggregators, such as Lexis-Nexis, are all accessible from a single location. Users can readily answer the key questions: "Which journals do the Libraries have online?" and "Do the Libraries have *Journal XXX* online?" EASST also developed a database-driven display approach for e-resource management, creating improved access to the rich and diverse set of databases available online.

This latter effort has provided a robust foundation for the work of the Ad Hoc ENCompass Gateway Team, charged with implementing the ENCompass digital assets management software, with federated search capability. The team is at work on organizing the Libraries digital resources and developing effective, learner-centered access to these resources within the ENCompass product. The capacity to search across the Libraries many online resources, with the ease of an internet search engine, is expected to significantly enhance access and effective use of resources.

Building on a pilot project conducted last year, the Digital Reference Implementation Team moved forward with the development of system-wide digital reference service, implementing the QuestionPoint software system. The HSSE rededication provided an opportunity to showcase the new service. Remote delivery of reference service, to wherever a Purdue user has a network connection, is made possible by software that enables synchronous, personalized interactions, including the capability for taking over the user's browser to walk through an information-finding process. The challenges of delivering such services are many, including training and staffing considerations and hours of service. Nonetheless, the need for such service continues to grow and a faculty search is currently underway for a system-wide Digital Reference Services Coordinator.

Many other efforts reflect a similar emphasis on streamlining access for users, in both the online and the print environment. A finding aid for US Geological Survey materials is now available online, which enables users to quickly determine which documents are in which format (paper, microform, CD-ROM, or online). Under the leadership of the Voyager Support Team (VST), "New Books" and "My OPAC" features were implemented. The latter allows users to log on and create custom profiles for searching the catalog. The Management and Economics (MEL) Library working papers database now includes bibliographic data and

links for e-only papers. A pilot project for electronic reserves, based on the Voyager reserves module and the non-enterprise version of Web-CT, demonstrated that these software versions could not support the Libraries goals for seamless access in a secure environment, and led to the exploration of the current Web-CT integration project.

The goal of getting library materials into the hands of users as soon as possible is the key to many efforts undertaken in Technical Services (TS). Rapid and accurate order processing remains a top priority for TS staff. The standard turnaround time for order processing is 24 hours, with a 48-hour turnaround for receiving. Due to successful collaboration among TS staff, these times were maintained even in the face of significant staffing challenges this past year. Similarly, serials receiving was kept current and transfer and withdrawal processing, supported by online serials maintenance forms, is also current. Serials cataloging has been successfully mainstreamed, so that copy cataloging is current and only a minimal backlog exists for original cataloging. At the same time, additional steps have been added to the process for e-journal cataloging, in order to update holdings appropriately in the TD-Net service.

Realignment of services in HSSE, in support of the “Electronic Library Academy” vision, is focused on user-driven outcomes, the use of real-time interactive technology in a distributed environment, an expanded website as a gateway to online guidance and instruction, and a stronger faculty and staff presence in the remodeled facility. An assessment of how the Children’s Literature Collection is used has resulted in the permanent relocation of the collection in UGRL. In the Engineering Library, technical reports and government documents have been brought together in the same location. Shifting of the main collection into space previously occupied by the documents collection has enabled a more logical call number split between the basement and the mezzanine. UGRL and HSSE have developed a joint reference collection development policy that supports a single, coherent, but co-located, collection.

Hours and points of service continue to be adjusted, to best support patterns of user demand. Some examples include the introduction of a single service desk in the Management and Economics Library, additional hours of reference service in the Life Sciences Library, reduced just-in-case reference service during low-use times in Engineering, and HSSE opening earlier on weekdays. The DLC hours of service match UGRL hours, including 24-hour operation during the last week of class and finals week.

In keeping with the growth of self-service in multiple venues, additional self-check installations were completed in HSSE and MEL. MEL, with one semester of self-check use, reports that 60% of circulation transactions are now handled by self-service. UGRL, an early adopter, reports 69%. With circulation desk checkout transactions declining, staff can be redeployed to further other strategic-plan initiatives. A KeyServer system was also implemented this year with the help of licensing advice from ITaP. This system permits a simultaneous user license for products where the Libraries need only a few copies of a software package at any one time. Software packages currently taking advantage of this system are Full Version Adobe Acrobat, the Macromedia Suite including Dreamweaver, EndNote, and ProCite. Working with the Web Site Support Team, ITD staff oversaw the complete revamping of the Libraries Web interface and pages. The Footprints Call Center/Help Desk software was selected to replace the RightNow Web software beginning July 2002. It uses the authentication data provided from the University’s I2A2 ID system. This linking capability played a large part in the choice of this software.

The QuestionPoint electronic reference software from Online Computer Library Center (OCLC) was selected to replace the Convey software that had been tested during several months in 2002. Working with the Digital Reference Implementation Team (DRIT), ITD has been responsible for setup and maintenance of this new software which was tested during the spring semester of 2003 by several librarians in various libraries. ITD installed the software on all public access workstations, and webcams on the workstations of selected reference staff. Even though the spring test was considered successful, the scheduling of the service for the fall 2003 semester has not yet been decided by the DRIT team.

The Information Technology Department staff, working with the Voyager Support Team (VST), installed a new version of Voyager (including the automated remote rollout of Voyager clients), set up the Voyager scheduling system for the Digital Learning Collaboratory hardware loan services, set up a dynamically created New Book List service for all three campuses, implemented the EDI ordering protocol for the Calumet campus, and implemented the Voyager billing module which links with the Purdue CARS (Bursar) system for direct billing of overdues and related charges. Over 70,000 URLs in the OPAC have been checked and verified this year. In order to eliminate as much as possible the constant changing of URLs for the user, ITD is putting the finishing touches on 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. This should be implemented in the fall of 2003.

Interlibrary Loan (ILL) borrowing requests (44,819) from Purdue patrons remained steady this year after a number of record setting increases in recent years. About 65% of these requests had to be filled from outside Purdue while most of the remaining requests were available locally. Average turnaround time for borrowing is 4.1 days for copies and 6.8 days for loans, an improvement of about one day in each category. The long standing (but unfunded) Document Delivery service to faculty was eliminated in October 2002. The online ILL/document delivery request form debuted in August 2000. Over 99.5% of all requests now come to ILL in that form. During the past year virtually all patrons received 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. Access Services and ITD have jointly worked on this implementation. The Books on Demand Project (where recently published monographs are automatically purchased through Amazon under certain conditions when an ILL request is submitted) has acquired 1,001 books this year. HSSE records indicate that these books continue to circulate at a higher rate than those purchased through "regular" channels. This program has attracted some national attention. Technical Information Service document orders that were filled remained about the same as last year at a total of 10,267.

Infrastructure

Changing facilities has once again been a significant part of the year's activities. The renovation of the HSSE Library was completed, and a "Discover Purdue" rededication event allowed the Libraries, the University community, and the key donor to celebrate this landmark change, and the culmination of the hard work of many people over several years. The closure of the Biochemistry Library, and the merger of the collection into the Life Sciences Library, was finalized. This closure illustrates the transformational impact of desktop delivery of journal content.

The installation of a 3-M security system continues, with new gates installed in HSSE, Life Sciences, MEL, Pharmacy, Nursing, and Health Sciences (PNHS) Library, and the Psychological Sciences (PSYC) Library. A key, and labor-intensive, process for implementation is placing magnetic strips in library materials (TattleTaping). Staff collaboration on TattleTaping across library locations has been critical to the success of this multi-year effort.

Greater collaboration among libraries has also been fostered by the merging of 4 clusters (Social Sciences and Humanities; Undergraduate; Biomedical; and Physical Sciences) into two (Humanities and Social Science; Science and Engineering). A circulation staff exchange and shared coverage in Special Collections were initiated in the HSS Cluster and more consistent service support was achieved in the SE Cluster by sharing resources to cover staff absences. More comprehensive and articulated approval plan profiling is also supported by this structure, which fosters consideration of the collections at a macro rather than a micro level. The Graduate School's assumption of responsibility for thesis format checking and deposit has enabled Special Collections to focus on its core mission.

Grooming of collections is integral to responsible stewardship in managing the Libraries' collection. 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. In a project begun last year, subject specialists continued their

review of 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 (TS), Storage, and Auxiliary Services.

A paperless acquisitions process remains a TS goal and initial pilot work has been done. With the assistance of a selector, a pilot test was conducted using a vendor interface to send orders electronically to acquisitions. The next step will be data-mapping to allow these electronic orders to be brought directly into Voyager for processing in lieu of paper creation as the intermediate step. EDI (electronic document interchange) order transmission has been successfully piloted with one vendor and plans are underway for implementation with other EDI-compliant vendors. Work on creation of optimal workflows, as the environment continues to change, represents a “continuous change” process for TS staff.

Work that supports the Libraries as a “learning organization” was also much in evidence this year. The User Instruction Team continued to foster professional development opportunities, such as the 2-day workshop highlighted above, as well sessions on building instruction pages in Web-CT and the role of durable URLs in web-based instruction. The collaborative efforts of the VST, TS staff, and Technology Training produced training and documentation for the Voyager acquisitions module. Public Services faculty and staff offered sessions in the Libraries staff development program and Technical Services staff provided a range of one-on-one and group training related to complex database records handling. Examples include item record creation and distributed database maintenance. Training and support for automated binding control and book repair were also provided. Orientation and training of new employees in TS has been improved through development of position-specific training timelines and guides, including evaluation measures for assessment prior to the end of the provisional employment period. As part of its efforts to facilitate a “culture of assessment” in the Libraries, the Evaluation and Assessment Consultative Team sponsored a 5-part staff development program providing an introduction to the evaluation process and practical workshops on the most common assessment methods. Learning is not only a direct outcome for our users, but also an internal process that supports a range of user-centered outcomes.

One-hundred and seventy new workstations were installed this year. This included all new machines in the HSSE remodel, all circulation stations throughout the Libraries, and the year-one round of the four-year rolling replacement plan for staff workstations. In addition, the CSC was populated with ten new high end workstations for digitizing work, and Notebook computers were purchased and configured for five faculty members who chose this as a replacement for their desktop station. ITD migrated all Libraries workstations except the old public workstations to Windows XP. However, all workstations in the HSSE Library have been migrated. The other old public stations will be replaced and migrated during 2003-04. ITD migrated all staff to Outlook Exchange in order to take advantage of the calendaring capabilities. This was complete in the spring of 2003. Working with ITaP and ECN, the ITD Workstation Team replaced all telnet clients found on public machines with a secure version called PUTTY. This will let users access other machines on campus where they have accounts, but will provide the security necessary to prevent abuse.

New Sun hardware and the Solaris operating system were purchased and installed in late Spring 2003. This will be used to move the Endeavor products from the IBM AIX platform to the Sun platform. This change in platform was chosen because Endeavor performs all its initial development work on Sun which has always meant significant delays and difficulties for AIX customers when installing software upgrades.

Auxiliary Services prepared the former instructional media center area in UGRL for its transformation by the Libraries partner, ITaP, into the Digital Learning Collaboratory. In addition to other projects, they accomplished the physical-property-related aspects of closing the Biochemistry (BCHM) Library and assisted in addressing the effects in the MEL Library of a water main leak in the Krannert building. Auxiliary Services staff continued to build upon innovations initiated in the previous years to manage work flow via the call center, to identify areas of cost-avoidance, and, in the seamless incorporation of ARIBA changes to continue to support the shared responsibility for a stewardship approach to ordering supplies.

The year proved to be one of change and improvement in the Business Office. Recommendations from a recent internal audit report regarding copier machines were implemented and found to strengthen the entire operation. Cash handling plans were reviewed and updated for several areas of the Libraries, and internal controls were strengthened. As the staff became more acquainted with specific duties, as well as the Libraries system as a whole, various projects were initiated to update past records. Additional improvements and efficiencies are planned for 2003-04. For example, the new fiscal year will see continued exploration of possible ways to reduce the increased time public service staff in the various libraries are now devoting to cash handling procedures.

In keeping with current practice on campus, the term "Personnel Office" was replaced this year with "Human Resources Office" and equivalent changes were made to staff titles. The staff telephone directory was moved to the web and *Off the Shelf* was transformed from its traditional paper format to a web page.

The development and delivery of technology programs related to the organizational rollout of Windows XP, Office XP, Macromedia Studio MX, and Microsoft Outlook Exchange Server formed an important focus for the Staff Development and Training Program this year. A series of instructional courses developed around specific technological functions followed initial offerings of demonstration sessions designed to introduce staff to the new products and relieve any anxieties that might exist. The Ergonomics Action Team, in conjunction with Radiological and Environmental Management (REM), held two training sessions this year, training 9 employees as compared with 23 last year. The team performed a total of 18 follow-up visits, reassessments, and consultations.

In June 2002, with two C/S LPMS cycles completed and the third underway, the Clerical/ Service Libraries/Press Performance Management System Team was charged with gathering structured feedback and evaluation from the Libraries' clerical and service employees and their supervisors, analyzing the responses, and reporting the findings, with recommendations for further action. The team developed a survey questionnaire which was sent electronically to clerical and service staff and their supervisors in September 2002. This report was accepted and submitted to the Libraries Administrative Team for review and follow-up.

The Ad Hoc Security and Self-Check Implementation Team completed nearly two years of work which has formed the basis for the Libraries' successful implementation of security and self-check systems. The team's identification of issues and exploration of possible ways to deal with them, and the development of recommendations for effective and efficient practices and procedures, greatly facilitated both the decision-making of the Libraries Management Team and the hands-on work of implementation.

Development of the Excellence 21 project between MEL and the School of Management moved in a new direction. A collaboration with a Management faculty member involving a new required undergraduate course focusing on building team skills was initiated. Experience with this course during spring semester indicated it is an appropriate location for integrating business information literacy skills within the class's overall purpose. The impact will be substantial with a projected schedule of 10-12 classes involving 20-25 students each over the course of the semester. The course has been awarded one of the Libraries Partnering for Information Literacy Grants.

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. Wireless networking and new developments in information technology and in desktop delivery of information continue to modify how users access the Libraries. Libraries faculty and staff can take pride in achieving significant progress toward the goal of making Libraries resources as ubiquitous, as obvious, and as user-friendly as Google. "Everywhere, every time" remains our 21st century challenge, a challenge that will continue to change our services and shape our efforts in the coming year.

Outreach and Other Highlights

Emily's Section

Challenges and Opportunities

Emily's Section

Purdue University Libraries Statistical Summary

As of June 30, 2001 As of June 30, 2002 As of June 30, 2003

Collections

Volumes in Library	2,355,345	2,393,585
Volumes Added (Gross)	53,445	50,316
Current Serials – Total	19,745	20,509
Microform Units	2,487,846	2,518,849
Government Documents	487,859	488,464

Acquisitions

Monographs Purchased	13,707	16,581
Serials Purchased (subscriptions)	13,082	13,836

Services

Total Items Loaned	24,817	24,365
Total Items Borrowed	27,616	28,503
Reference Transactions	100,261	94,237
Circulation	510,307	519,064

Staff FTE

Faculty/Professional Staff	64	62
Support Staff	145	143
Student Assistants	60	58

Expenditures

Library Materials:		
Monographs	\$1,145,748	\$1,051,696
Current Serials	\$4,550,552	\$4,963,111
Contract Binding	\$130,115	\$121,394
Salaries and Wages:		
Faculty/Professional Staff	\$2,940,032	\$3,081,108
Support Staff	\$2,767,418	\$2,888,689
Student Assistants	\$713,143	\$660,776
Other Operating Expenditures	\$2,272,567	\$3,208,467
Total Library Expenditures	\$14,519,545	\$15,975,241

Source: ARL Annual Statistics
Purdue University Libraries Statistics



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; Professor of Library Science.

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

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

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

Curl, Sheila R. (1996) Engineering Librarian; Assistant Professor of Library Science. Resigned April 2003.

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; Associate Professor of Library Science.

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

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 Communications 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.

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-March 2003; Undergraduate Librarian beginning April 2003; 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 and Political Science Bibliographer and Reference Librarian; Associate Professor of Library Science.

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

Rein, Diane C. (2003) Assistant Life Sciences Librarian; Assistant Professor of Library Science.

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

Sharkey, Jennifer R. (2002) Information Integration Librarian; Assistant 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. Retired January 2003.

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; *Interim* Engineering Librarian beginning April 2003; 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

Anderson, K.J., Freeman, R.S., Herubel, J.P., Mykytiuk, L.M., Nixon, J.M., and Ward, S.M.
“Buy Don’t Borrow: Bibliographers’ Analysis of Academic Library Collections
Development Through Interlibrary Loan Requests.” *Collection Management*, 27 (3): (2002) 1-11.

Invited Lectures/Papers

“Decoding the Universe: Two Adolescent Investigations.” Society for the Advancement of
Scandinavian Studies, Minneapolis, MN, May 1-3, 2003.

“Pulling It All Together: The New Reference Literature of Translation Studies.” Philosophy,
Interpretation, Culture, Binghamton University, Binghamton, New York, April 12-13, 2003.

Elected Offices and Committee Appointments, Editorial Boards

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

Modern Language Association of America. Morton N. Cohen Award for a Distinguished Edition
of Letters. Selection Committee. Member.

Brandt, D. Scott

Publications

and Lorna Uden
“Insight into Mental Models of Novice Internet Searchers.” *Communications of the ACM*, 46:7
(July 2003): 133-136.

Invited Lectures/Papers

“Tips and Techniques when Teaching Technology to Adult Learners.” (Full-Day Workshop),
Tampa Bay Library Consortium, Tampa, FL, May 23, 2003.

“Teaching the Internet in 60 Minutes: Building a Learning Session.” (Full-Day Workshop),
Tampa Bay Library Consortium, Tampa, FL, May 22, 2003.

Teaching Technology Sessions.” (Full-Day Workshop), Northeast Florida Library Network.,
Jacksonville, FL, May 20, 2003.

“Teaching the Internet in 60 Minutes: Building a Learning Session.” (Full-Day Workshop),
Northeast Florida Library Network, Jacksonville, FL, May 19, 2003.

“Skills for e-Learning.” Computers in Libraries 2003, Washington, D.C., March 13, 2002,

Elected Offices and Committee Appointments, Editorial Boards

Information Today, Inc. 7th Annual Internet Librarian Conference. Program Committee.
Member.

Information Today, Inc. 18th Annual Computers in Libraries Conference. Program Committee.
Member.

Chapman, Albert T.

Publications

“Exploring an Unknown Gold Mine: U.S. Government Documents on National Security Policy.”
Indiana Libraries (2003).



“Initial Visions of Paradise: Antebellum U.S. Government Documents in the South Pacific.”
Journal of Government Information, 29 (2002).

Culp, F. Bartow

Publications

Invited Lectures/Papers

Elected Offices and Committee Appointments, Editorial Boards

Erdmann, Charlotte A.

Publications

Invited Lectures/Papers

Elected Offices and Committee Appointments, Editorial Boards

Ferullo, Donna L.

Publications

“The Challenge of E-Reserves.” *Library Journal NetConnect*, (Summer 2002):
33-35.

Invited Lectures/Papers

“The Challenges of Implementing a University Copyright Policy in the Digital World.”
Association for the Advancement of Computing in Education. E-Learn 2002 Conference.
7th International Conference. Montreal, Canada, October 18, 2002.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Association of College and Research Libraries. Copyright
Committee. Intern.

Indiana Partnership for Statewide Education. Copyright Committee. Member

Committee on Institutional Cooperation. Digital Library Initiatives Overview Committee.
Copyright Member.

Fosmire, Michael J.

Publications

Alexius Smith Macklin and
“Real-World Solutions for Real-World Collaboration Problems.” In *Integrating Information
Literacy into the College Experience: papers presented at the 30th LOEX Library Instruction
Conference*, Ypsilanti, Michigan, May 10-11, 2002, edited by Julia K. Nims, Randal Baier, Rita
Bullard, and Eric Owen, 169-174. Ann Arbor: Pierian Press, 2003.

Alexius Smith Macklin and
“The LEADER Project.” *College and Research Libraries News*, 64:3 (2003): 192-195.

Elected Offices and Committee Appointments, Editorial Boards

Special Libraries Association. Physics-Astronomy-Mathematics Division. Chair-elect and Chair.

Editorial Board. *Issues in Science and Technology Librarianship*. Webliography section editor.

American Institute of Physics. Liaison to Publishing Policies Committee.



Freeman, Robert S.

Publications

Anderson, K.J., Freeman, R.S., Herubel, J.P., Mykytiuk, L.M., Nixon, J.M., and Ward, S.M.
“Buy Don’t Borrow: Bibliographers’ Analysis of Academic Library Collections
Development Through Interlibrary Loan Requests.” *Collection Management*, 27 (3): (2002) 1-11.

Elected Offices and Committee Appointments, Editorial Boards

Fritch, John W.

Publications

and Robert Cromwell
“Delving Deeper into Evaluation: Exploring Cognitive Authority on the Internet.” *Reference
Services Review*, 30:3 (Fall 2002): 242-254.

“Electronic Outreach in America: From Telegraph to Early Television.” In *Libraries to the
People: Histories of Outreach*, edited by Robert Freeman and David Hovde. Jefferson, NC,
McFarland & Co., 2003.

Elected Offices and Committee Appointments, Editorial Board

American Library Association. Reference and User Services Association. Machine-Assisted
Reference Section. Management of Electronic Reference Service Committee. Member

American Library Association. Association of College and Research Libraries. National
Conference Executive Committee. Poster Session Subcommittee. Member.

Geahigan, Priscilla C.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Reference and User Services Association. Business Reference
and Services Section. Publications Committee. Chair

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

Herubel, Jean-Pierre V.M.

Publications

Anderson, K.J., Freeman, R.S., Herubel, J.P., Mykytiuk, L.M., Nixon, J.M., and Ward, S.M.
“Buy Don’t Borrow: Bibliographers’ Analysis of Academic Library Collections
Development Through Interlibrary Loan Requests.” *Collection Management*, 27 (3): (2002) 1-11.

“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.

Hovde, David M.

Publications

Freeman, Robert S. and, ... editors
Libraries to the People. Jefferson, NC: McFarland & Company, Inc., 2003.

Hovde, Marjorie Rush, and
“*Elements of the Expertise Technology Trainers Need to Instruct Academic Library Employees.*”
Portal: Libraries and the Academy, 2:4 (2002): 601-625.



Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Library History Round Table. Auction Committee. Chair.

American Library Association. Reference and User Services Association. Machine Assisted Reference Section. Education, Training, and Support Committee. Member

Editorial Board. Beta Phi Mu Monograph Series.

Kern-Simirenko, Cheryl A.

Publications

“Perspectives on the Library as E-Journal Customer, Intermediary, and Negotiator in a Time of Chaos” in *E-Serials: Publishers, Libraries, Users, and Standards*, 2nd edition, edited by Wayne Jones, 79-87, Binghamton, NY: The Haworth Information Press, Inc., 2003.

Invited Lectures/Papers

“Chaos, Convergence, and Collaboration: Library Resource Integration in WebCT.” Endeavor Digital Breakfast, American Library Association Annual Meeting, Toronto, Ontario, June 21, 2003.

Elected Offices and Committee Appointments, Editorial Boards

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

Killion, Vicki J.

Publications

AACP Basic Resources for Pharmaceutical Education. (2002). <http://www.aacp.org/>

“Drug Information Databases.” In *Encyclopedia of Library and Information Science*, 2nd ed. New York: Marcel Dekker, Inc., 2003: 940-943.

Invited Lectures/Papers

“Drug- Induced Disease and Literature Searching: Improve Your Skills.” American Society of Health-System Pharmacists Mid-year Meeting. Atlanta, GA, December 11, 2002.

Elected Offices and Committee Appointments, Editorial Boards

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.

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

King, Christine E.

Publications

“Emerson Greenaway (1906-1990).” *Dictionary of American Library Biography*, 2nd suppl., edited by Donald G. Davis, Jr. Westport, CT: Libraries Unlimited, 117-120.

Elected Offices and Committee Appointments, Editorial Boards

American Library Association. Association of College and Research Libraries. Education And Behavioral Sciences Section. Publications and Communications Committee. Member.

Kinkus, Jane F.

Publications

“Computer Security.” *Issues in Science and Technology Librarianship* 36 (Fall 2002), Retrieved December 4, 2002, from <http://www.istl.org/02-fall/internet.html>.



Kirkwood, Jr., Harold P.
Invited Lectures/Papers

Macklin, Alexius E.
Publications

and Fosmire, Michael J.
“Real-World Solutions for Real-World Collaboration Problems.” In *Integrating Information Literacy into the College Experience: papers presented at the 30th LOEX Libray Instruction Conference*, Ypsilanti, Michigan, May 10-11, 2002, edited by Julia K. Nims, Randal Baier, Rita Bullard, and Eric Owen, 169-174. Ann Arbor: Pierian Press, 2003.

and Fosmire, Michael J.
“The LEADER Project.” *College and Research Libraries News*, 64:3 (2003): 192-195.

Invited Lectures/Papers

Elected Offices and Committee Appointments, Editorial Boards

Mandernack, Scott B.

Elected Offices and Committee Appointments, Editorial Boards

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

Markee, Katherine M.

Invited Lectures/Papers

“The George Palmer Putnam Collection of Amelia Earhart Papers – the original collection.” The Junto Club, Delphi, Indiana, September 19, 2002.

“The George Palmer Putnam Collection of Amelia Earhart Papers – the original collection.” The Purdue Women’s Club, West Lafayette, Indiana, November 19, 2002.

with Emily Mobley and Judy Schumaker
“The Romance of Flight – Amelia Earhart, World Famous Aviatrix.: Westminster Village, West Lafayette, IN, February 6, 2003.

“The George Palmer Putnam Collection of Amelia Earhart Papers – the original collection.” Women In Communication, (local chapter of the Association of Women in Communication) West Lafayette, Indiana, March 13, 2003.

Mobley, Emily R.

Publications

Invited Lectures/Papers

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.



Mykytiuk, Lawrence J.

Publications

Anderson, K.J., Freeman, R.S., Herubel, J.P., Mykytiuk, L.M., Nixon, J.M., and Ward, S.M.
“Buy Don’t Borrow: Bibliographers’ Analysis of Academic Library Collections
Development Through Interlibrary Loan Requests.” *Collection Management*, 27 (3): (2002) 1-11.

“Accessing Voices of the Biblical World, Part 2: Tools and Corpora of Northwest Semitic
Inscriptions of 1190-333 B.C.E.” *Bulletin of Bibliography*, 59:4 (December 2002): 151-66.

“Accessing Voices of the Biblical World, Part 1: Treatments of Northwest Semitic Inscriptions
for Non-Specialists.” *Bulletin of Bibliography*, 59:3 (September 2002): 27-30.

Nixon, Judith M.

Publications

Anderson, K.J., Freeman, R.S., Herubel, J.P., Mykytiuk, L.M., Nixon, J.M., and Ward, S.M.
“Buy Don’t Borrow: Bibliographers’ Analysis of Academic Library Collections
Development Through Interlibrary Loan Requests.” *Collection Management*, 27 (3): (2002) 1-11.

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

“The Effect of Bibliographic Instruction on the Demand for Reference Services.” *Portal:
Libraries and the Academy*, 3 (January 2003): 35-39.

“Cost Efficiency in ARL Academic Libraries.” *Bottom Line: Managing Library Finances*, 16
(2003): 5-14.

Stephens, Gretchen

Publications

and Betty Brown

“Recent Publications for the Practicing Veterinarian, Veterinary Technician, and Technologist,
2002 Joint Conference edition.” West Lafayette, IN: School of Veterinary Medicine, Purdue
University, 2002, 10 p. <http://www.lib.purdue.edu/vetmed/vetpubs2002.html>



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

Invited Lectures/Papers

Elected Offices and Committee Appointments, Editorial Boards

Van Epps, Amy S.

Publications

“Dynamically Generated Pages Using Database-to Web Technologies: Enhancing Library Services and Operations.” Session #2241. In *Proceedings of the ASEE National Conference*, June 22-25, 2003, Nashville, TN.

“When Vendor Statistics are Not Enough: Determining Use of Electronic Databases.” *Science and Technology Libraries*, 21:1/3 (Fall 2001): 119-116.

Elected Offices and Committee Appointments, Editorial Boards

American Society for Engineering Education. Engineering Libraries Division. Program Planning Committee. Member

American Society for Engineering Education. Engineering Libraries Division. Membership Committee. Chair.

Venable, Jennifer

Publications

“Best of the Industry Information on the Web.” *Journal of Business and Finance and Librarianship*, 8:3/4 (2003): 187-204.

“Best of the Industry Information on the Web.” In *The Core Business Web: A Guide To Key Information Resources*, edited by Gary W. White, 187-204. Binghamton, NY: The Haworth Press, Inc. , 2003.

Elected Offices and Committee Appointments, Editorial Boards

Special Libraries Association. Business and Finance Division. Public Relations. Chair.