Health Sciences Library System
University of Pittsburgh

Annual Report 2002-2003

Enhancing Information Access and Building the Digital Library:

- <u>HSLS continued to enlarge its collection of electronic resources available to the University of Pittsburgh and UPMC community</u>. HSL Online now includes approximately 3,000 online journals, 300 textbooks and numerous databases. Listed below are notable additions during the past year:

  - BioMedNet Reviews
  - ACS Surgery: Principles and Practice
  - Books from Wiley InterScience and McGraw Hill AccessMedicine, including
    - Current Protocols Online
    - Encyclopedia of Molecular Biology and Molecular Medicine
    - Current Medical Diagnosis and Treatment
    - Lange Basic Science series (e.g. Harper's Biochemistry, Basic & Clinical Pharmacology)
    - Lange Clinical series (e.g., Basic & Clinical Endocrinology, Current Pediatric Diagnosis and Treatment)
    - Metabolic and Molecular Bases of Inherited Disease
    - Patty's Industrial Hygiene and Toxicology
    - WPA Series: Evidence and Experience in Psychiatry
    - Hurst's the Heart
    - Electronic Reagents for Organic Synthesis (EROS)
  - Journals published by Mary Ann Liebert (50 titles)
  - Journals published by Lippincott Williams & Wilkins (60 titles)
  - Nature specialty journals
  - Journal of Experimental Medicine
  - Journal of Cell Biology
  - Embase.com
  - BioMed Central, including Faculty of 1000, Current Controlled Trials, Images M.D. and 31 journals

  In November 2002, MDConsult became available through a "generic login." This enabled users to avoid having to register and input an additional password to access this popular resource. Users preferring to personalize their MDConsult display, or take advantage of features such as saved searches or bookmarks, could still log into the Personal Edition with their existing MDConsult login and password.

  Significant new electronic resources in molecular biology and genetics, funded in part by a gift from Dr. Richard and Mrs. Dorothy Raizman were also licensed. These include:
  - Current Protocols (Molecular Biology, Bioinformatics, Cell Biology, Human Genetics, Neuroscience, Nucleic Acid Chemistry, and Protein Science)
  - CellSpace Knowledge Miner

- o Encyclopedia of Molecular Medicine
- o Proteome BioKnowledge Library
- o Vector NTI

As of January 2003, HSLS no longer receives print versions of approximately 300 journals published by Elsevier Science that are available to users in electronic form. Currently, HSLS has more subscriptions in electronic format than in print. In order to maximize resources, electronic versions of journal subscriptions are generally preferred for acquisitions. While print journals remain valuable in certain cases, overall use of the print journals has decreased substantially since 1997, while demand for electronic information continues to grow.

- The specialized information service in molecular biology and genetics, led by Ansuman Chattopadhyay, Ph.D. continued to grow. Dr. Chattopadhyay marketed the service through articles in the HSLS Update newsletter and presentations in numerous departmental meetings.

  A user education program was started in the fall of 2002 for researchers, students, and clinicians providing instruction about access, selection and use of bioinformatics resources. Three different classes were developed: *Information Hubs for Molecular Biology and Genetics*, *Sequence Similarity Searching*, and *DNA and Protein Analysis Tools*. Fifteen sessions attracted approximately 150 attendees, including faculty, post docs, research associates, clinicians and students from the departments of school of health sciences. Evaluations from the attendees were very positive. Three PowerPoint tutorials were developed on the use of molecular biology databases and software. In the first six months that these were available on the Web site, the tutorials received 527 visits.

  A consultation and support service for access to biological information resources was also initiated. Dr. Chattopadhyay offers assistance in searching nucleic acid and protein databases and performing molecular sequence analyses. More than half of the approximately 35 consultations were requested during the final quarter of the year, indicating growing awareness and demand for this service.

  The HSLS Web portal to molecular biology and genetics resources (www.hsls.pitt.edu/guides/genetics) was introduced in June 2003. This Web site serves as a gateway to tools, resources, and tutorials. The "*tools*" section provides a task specific hierarchical menu of links to molecular biology and genetics software and databases, and a "*search for tools*" option allows users to find bioinformatics tools by keyword. Every link is tagged with an information icon ("i"), which provides a short description of the resource. The guide also provides access to licensed library resources. In addition, users can submit bioinformatics queries to the information specialist, browse the schedule of workshops, and access online PowerPoint tutorials on the use of bioinformatics tools.

  In January 2003, Sugandha Sharma began a two-year Health Sciences Library and Bioinformatics traineeship, funded by the National Library of Medicine through the University of Pittsburgh Informatics Training Program, based in the Center for Biomedical Informatics.

- Enhanced methods to promote effective use of digital and print library resources and services by faculty, residents and staff were developed.

  Many improvements to the HSLS web site and access to resources were implemented. These include
    o Addition of a New Books Web page http://www.hsls.pitt.edu/resources/newbooks allowing users to quickly identify new books and other recent acquisitions in HSLS and other Pitt libraries.
    o Electronic access to course reserves http://www.hsls.pitt.edu/resources allows students to access course reserve lists from any computer. Links to existing electronic full text from the reserve record enable users to access some reserve materials at their desktop.
    o Enhancement of the online Document Request Form allowing users to enter multiple citations in one request, and offering the ability to look up citations using the PubMed ID or MEDLINE Unique Identifier Numbers.
    o A new *Printer Friendly Format* option
    o A new *Class Descriptions* page with detailed information about each of the many courses offered. A *Class Calendar* displays all classes offered during a particular month.
    o Upgraded Resources section with inclusion of alternate title information for e-resource title searching, improved e-resource search algorithms and user feedback, as well as topical access to e-journals
    o Re-designed Internet Guides with new input and display applications
    o Site search capability
    o Implementation of PubMed LinkOut to facilitate direct linking from PubMed citations to e-journal articles licensed by HSLS.
    o Enhancement of PITTCat online catalog records to include tables of contents and/or summaries.
    o Revised and updated Medical Subject Headings (MeSH) used in PITTCat to improve reliability of subject searches for books and journals, consistent with NLM practice and other applications.
    o Improved access to the WPIC video collection. The printed notebook of video holdings was replaced by universally available records in PITTCat. Each record contains a short synopsis describing the content of each tape, the intended audience, length and subject heading. WPIC Library has one of the most comprehensive mental health videotape collections in the United States.
    o A series of Internet guides for students were developed, whose purpose is to provide students with updated information on emerging health problems. Five topics were developed: West Nile, Emerging Infectious Diseases, Ricin, Smallpox and SARS. These guides received 2,900 visits during July 2002-March 2003. There were 1,000 visits to the SARS guide in March 2003, the first month it was developed. All of these guides linked from the front page of the Office of Medical Education Web site as well as the HSLS site.

  The HSLS user education program was revised.
    o New library instruction classes were designed to highlight online information resources in areas of interest to specific user groups. Three new courses were designed: Basic Science Information Resources, Clinical Information Resources and Mental Health Information Resources.

- o An Orientation course replaced the introductory tour, providing an overview of both the physical and the digital library.
  - o Other new courses added were Advanced MEDLINE Searching, Introduction to Personal Digital Assistants (PDAs), and Complementary and Alternative Medicine (CAM) Information Resources.
  - o New handouts and class schedules to market classes were developed.
  - o The roster now includes 22 courses, with five offered by special request.
  - o There were 507 attendees in classes, an increase of 40% over FY 2001-02.

- • <u>Reference librarians offered 55 research consultations, 336 mediated database searches, and 55 specialized searches and consultation for the Institutional Animal Care and Use Committee (IACUC)</u>

- • <u>Librarian liaisons to Dental Medicine, Pharmacy, HRS, GSPH, Nursing and Psychiatry gave presentations this year at faculty meetings, marketed library information to new faculty and provided orientations and instruction within the curriculum.</u> Liaison librarians provided instruction to over 1300 students in the health sciences during the past year, as follows:

  <u>School of Medicine</u>
  - o Library open house for entering medical students, and overview of library resources first year Introduction to Physician cases.
  - o Third year CAMC medical student course: overview of library resources; librarian provides written comments to students on Clinical Guidelines assignments; literature searching skills (MEDLINE) taught to all students.
  - o Librarians teach EBM skills in 4th year medical student elective, Evidence Based Medicine and Clinical Decision-Making Skills course.
  - o Librarians teach the first half of a 2-credit course on Biocomputing for PhD students.

  <u>School of Nursing</u>
  - o Incoming graduate and undergraduate nursing students receive an overview of the specialized Information Resources for Nursing Students Web site, HSL Online, Ovid Cinahl/Medline/PsycInfo, and remote access.
  - o Specialized instruction to students in a variety of classes, including Cross Cultural Health Sciences, Nursing Research and Theory (evidence-based searching), Professional Nursing Communications, and Nursing Informatics.

  <u>School of Dental Medicine</u>
  - o Library open house overview for incoming dental students.
  - o MEDLINE skills taught in Professionalism in Dentistry course.
  - o Overview of library resources and MEDLINE skills taught to dental hygiene students.
  - o HSLS prepared documentation for the dental hygiene accreditation process.
  - o Library liaison participated in the development of a new course, Introduction to Computing, to be offered for the first time Fall 2003.

  <u>School of Pharmacy</u>
  - o Library open house and overview of resources for first year students.
  - o MEDLINE/PittCat training in selected classes.

  <u>Health and Rehabilitation Sciences</u>
  - o Open house for Physical Therapy students.

- Presentations on MEDLINE and overviews of HSL Online and e-journals for faculty, graduate students, rehabilitation sciences students, nutrition students, and emergency medicine students

Graduate School of Public Health
- Library open house for incoming students
- Liaison librarian taught an information resources component of Health Management Information Systems course.
- Overview of the library, MEDLINE, PITTCat, TOXNET taught to students in Biostatistics, Occupational Medicine, and Public Health Prevention.
- Library liaison participated in the development of new fall course, Information/Internet Literacy, to be offered for the first time in Fall 2003.

Other liaison and user instruction programs:

UPMC Residency Orientation
- HSLS Librarian participates in orientation of more than 400 new residents from all UPMC hospitals. Residents learn about HSLS services and HSL Online resources. Applications for HSL Online remote access accounts are expedited. In-depth training sessions are offered to individual residency programs on request.

Hillman Cancer Center
- Letter of introduction sent to researchers and clinicians.
- Presentation and overview of resources to research faculty
- Email consultation service for faculty.
- Walk-in instructional sessions at the Hillman Cancer Center on Overview of HSLS Resources & Services, and Overview of MEDLINE on Ovid.

Department of Psychiatry (WPIC)
- Targeted emails about HSLS classes and new resources are sent to WPIC faculty and staff.
- Library orientation for new inpatient staff at WPIC is held once a month. Attendees receive an information packet and sign up for library privileges as part of the orientation.
- WPIC Librarians proposed a comprehensive Training Program for Psychiatry Residents, whose purpose is to provide training in information skills over the entire length of the residency program. The program proposal was accepted, and implementation begins in July 2003.

Neurology residents
- A new program for training Neurology Residents was initiated in Summer 2002. Reference librarians taught residents the skills necessary to become effective database searchers and information seekers. During the month of July, neurology residents spent between one and two hours daily in Falk Library. Librarians provided intensive instruction on the resources available, what information can be found in each resource and the searching skills necessary to use each resource effectively. This program will be repeated in July 2003.

Clinician Educator Training Program
- HSLS Head of Computing Services conducts a session on computing issues.

- HSLS supports the use of handheld computing devices (PDAs) in the medical center. This includes specialized classes and training sessions, technical support in the

Computing and Media Center (CMC), and development of specialized instructional resources.

The Introduction of PDA Computing classes are well-attended. Specialized classes have also been taught for various schools and residency programs.

The HSLS Internet Guide on PDAs is popular with HSLS users, as well as with other academic health sciences libraries, some of whom have requested permission for use the HSLS site for their own PDA initiatives.

The CMC supports eight PDA models by offering synching devices and desktop software. The also offers TealDoc software, enabling users to create PDA-friendly documents from abstracts, journal articles and other Word files. The CMC also has two Licenses of Teal Paint to assist users in creating medical illustrations for the PDA format.

- A new Media Computer Lab (MCL), located in the HSLS Computer and Media Center opened in June 2002. This lab was developed in conjunction with the Lab for Educational Technology, director by James B. McGee, MD. The purpose of the MCL is to facilitate faculty development of media content for educational use. Three Windows based and two Macintosh computers provide a strong computing infrastructure for media projects involving large files, such as digitally scanned images, computer animations, and video. Peripheral equipment includes scanners, DV and DVHS video recorders, Fire Wire card, and CD-ROM burners. HSLS Systems staff members installed and configured the production server, migrated the database from MS Access to MS SQL server, and continue to manage the service and provide updates and patches, and to support development efforts through custom installations and configurations.

- HSLS continued to actively promote its services and collections. Selected activities include:
    - HSLS classes and postings about HSLS activities and new guides began appearing on the University's Health Portal calendar in August 2002.
    - HSLS participated as an exhibitor in Science 2002, sharing a booth with the Pittsburgh Supercomputing Center and the Center for Computational Biology & Bioinformatics.
    - HSLS Internet guides were cited in a BMJ Web article in October 2002
    - HSLS Librarians staffed HSLS exhibit tables in WPIC and PUH cafeterias.
    - HSLS Librarians staffed an exhibit at the UPMC Benefits Fair in the Biomedical Science Tower in October 2002. They talked to approximately 150 people, and signed up 20 new HSL Online users.
    - Hopwood was designated a model Consumer Health Library in a report published by the American Association for the Advancement of Science, titled *The Challenge of Providing Consumer Health Information Services in Public Libraries.* <http://ehrweb.aaas.org/PDF/ChallengePubLibraries.pdf>
    - MEDLINEPlus link to Hopwood Library added in April 2003.
    - HSLS streamlined the format of promotional materials, for easier use and a coordinated, identifiable look in June 2003.

- *HSLS Update*, published bimonthly, continues to be a valuable communication tool to inform and educate library users about new services and resources. *Update*

includes "Integrated Information Matters" a 2-page insert contributed by the University of Pittsburgh IAIMS program. This insert appears three times yearly, and includes news and features about integrated information systems activities and plans of the University of Pittsburgh schools of the health sciences and UPMC Health System. Plans are underway to publish and distribute the *Update* electronically to selected user groups.

- HSLS participated in the LCME site visit in March 2003.
  The HSLS Director served on the LCME Self-Study Task Force, and the Associate Director served on the Resources for the Educational Program Self-Study Committee.

Service to UPMC Hospitals

- HSLS offered a variety of services and user education to UPMC hospitals.

  The following UPMC hospitals continue to contract for access to HSL Online: Magee Womens Hospital, UPMC St. Margaret, UPMC Passavant, UPMC South Side, UPMC Braddock, UPMC McKeesport, UPMC Rehabilitation, UPMC Lee Regional, UPMC Horizon and UPMC Italy. Full access to HSL Online at UPMC Bedford was initiated in August 2002.

  HSLS Coordinator of Affiliated Hospital Services offered an active program of orientations, consultations and training sessions at various hospitals. 111 participants attended 13 classes offered onsite in hospital settings. The Coordinator also completed 81 mediated literature searches. HSLS services and HSL Online were actively marketed in UPMC hospitals and medical practices.

- HSLS provided library services at UPMC Shadyside through management of the James Frazer Hillman Health Sciences Library and the Hopwood Library: A Health Resource Center for Patients and Families

  HSLS continues to integrate management of UPMC Shadyside libraries into system-wide operations to streamline processes and services for greater efficiency, and ease of use by library patrons. HSL Document Express services were implemented at Shadyside, together with a charge-back system. This ensured that Shadyside physicians and staff were able to request and receive documents electronically. Cancellation of many print journals due to budget reductions was coordinated with HSLS Resource Management.

  Usage of library services and resources at UPMC Shadyside have continued to grow since the opening of the remodeled library facility in October 2000. Mediated searching grew by 11% and the number of reference questions increased by 30%. 268 people attended training and orientations. These included residents in internal medicine and family practice, nursing students, nurses, and attending physicians.

  Nearly 800 patients and family members requested information from the Hopwood Library. Multiple cardiology videotapes are circulated as part of patient discharge planning, and patients visit the library to view an informational CD for pre-operative joint replacement patients.

- HSLS provided library services at Western Psychiatric Institute and Clinic through management of the WPIC Library.

  HSLS senior management worked with the WPIC Chairman's Office to review and update budget and charge-back procedures. The outdated audiovisual viewing system was discontinued effective May 2003, with alternate procedures publicized to library users. The status of confidential clinical and grand rounds videotapes held in the Library was reviewed; these tapes were removed from the collection and sent to the psychiatry residency office.

Administration and Management:

- HSLS continued participation in IAIMS and enterprise computing activities. HSLS librarians participate in committees dealing with information architecture, development of a master person index, web development, patient education, networking and security issues, and others. The HSLS Director is an IAIMS co-principal investigator, and serves on the Steering Committee. Other committee assignments for HSLS librarians include the Health Sciences Information Resource (HSIR) group, ITA and ITA Executive Committee, Networking & Telecommunications Committee and the Technical Resources Group.

  HSLS librarians also serve as core and affiliated faculty members of the Center for Biomedical Informatics (CBMI), and participate on the School of Medicine Curriculum Committee.

  An HSLS reference librarian serves as half-time Manager of the Faculty Research Interests Project (FRIP), which now includes over 1,500 active faculty records. The FRIP/IPS Push project is developing ways to send targeted information to individuals based on their stated interests.

  HSLS librarians also participate in planning for the Rapid Deployment CME Project with Barbara Barnes, M.D. The goal of this project is to develop a learning system that uses existing online, full text knowledge resources as a basis for continuing professional development activity.

- HSLS strengthened management of physical and electronic resources. New staff and technologies for information management were implemented to streamline processes for building and managing collections.

  - Liping Song joined HSLS as Circulation and Electronic Projects Librarian to provide support for electronic access initiatives in HSLS.
  - Nearly all collection ordering and payments are managed through electronic data interchange (EDI). Revised payment procedures provide stronger fiscal management and shorter turnaround for orders and payments.
  - Helpdesk software allows staff to track and analyze electronic resource management issues for improved problem resolution.
  - HSLS serials management infrastructure was revised to reflect growing electronic resource management.
  - Duplicate electronic subscriptions were reviewed and cancellations processed to free funds for new content.

- HSLS continued to upgrade its computing and information systems infrastructure. Staff members are investigating and planning for implementation of improved authentication mechanisms for network and resource security. In addition, they are developing load balancing and failover for web and database servers to insure reliable, efficient access to resources.

- HSLS continued to improve and upgrade staff and public computing resources. The Computing and Media Center (CMC) acquired a Cobra 312SL X-ray scanner and the Nikon Super Cool Scan 4000 for converting X-rays and 35-millimeter slides to digital formats.

  The CMC also developed solutions for moving DV camcorder cassette-based footage into an AVI Quicktime or real video file. Two JCV HR-DVS2U Mini DV/S-VHS VCRs are available for media creation, coupled with the Adobe suite of products including Premiere, After Effects, Photoshop and Illustrator.

- A multi-year project to appraise and inventory Falk Library's rare book collections is nearly complete. On the advice of University auditors, HSLS contracted with Mr. Jeffrey Weber of Los Angeles, CA, to appraise all books in the collections over a two-year period. To expedite Mr. Weber's work, HSLS Resource Management completed an inventory and cataloging review of the collections, to ensure that records in PITTCat accurately represented those books actually on the shelves. The books were physically re-organized for better access and space utilization. Materials of high value were removed to a more secure internal area. A gated area in the open stacks was constructed in June 2003 to house materials that are either too fragile or too valuable to be housed in public stacks. Mr. Weber's second and last visit to Pittsburgh was completed in June 2003. When the final report is received in Fall 2003, materials of high value in need of specialized preservation will be identified. In addition, housing, access, and security procedures for the collection as a whole will be reviewed.

Research and Community Outreach Projects:

- A joint HSLS/CBMI team is conducting a multi-year research study at UPMC Horizon to determine the impact of access to HSL Online resources on information seeking behavior in clinical users. Baseline data was gathered in Spring 2002, and a follow-up survey was distributed in Spring 2003. Data are being analyzed. Results of the baseline study were presented at the Annual Meeting of the Medical Library Association in San Diego, CA in May 2003.

- HSLS submitted a successful proposal to develop a self-paced interactive educational program to teach researchers the fundamentals of responsible literature searching for research practice. The project is funded by the Association of American Medical Colleges and the US Office of Research Integrity, with the sponsorship of the Association of Academic Health Sciences Libraries. The content will be available as a curriculum module titled *Responsible Literature Searching* on the University of Pittsburgh's "Education and Certification Program in Research Practice Fundamentals," available at http://rpf.health.pitt.edu. Though the primary

target audience of *Responsible Literature Searching* will be researchers at the University of Pittsburgh, the content will be based on principles that are applicable in most research-oriented settings. The content will be freely available to other academic health sciences libraries and medical centers for adaptation to their local settings and resources.

- HSLS was awarded an 18-month contract by the National Library of Medicine to develop a partnership with the Allegheny County Health Department (ACHD). Funding began on March 1, 2003, and will continue through August 31, 2004. The goal of the project is to raise public health workers' awareness of information resources, and to decrease barriers to use by enhancing access to knowledge-based information, document delivery, reference assistance, user education, and consultation.

  The project is titled Public Health Information Alliance (PHIA). A project manager has been named, and meetings with the grant steering committee, the ACHD training committee, and the ACHD leadership committee have been held. A website was developed, policies and procedures for library access created, and plans for training are underway.

- HSLS initiated *The HSLS Consumer Collection: A Public/Academic Partnership for Consumer Health Information.* In 2002, HSLS received a grant from the Shadyside Hospital Foundation to strengthen community-based consumer health information services in Allegheny County. Additional funding was contributed by the Allegheny County Library Association (ACLA). HSLS librarians identified a core list of high-quality health-related books and videotapes appropriate for public libraries.

  Partnering with the ACLA, HSLS accepted applications from area public libraries interesting in building consumer health collections and programming. Four libraries were selected for the first round of funding: Dormont Public Library, Andrew Bayne Memorial Library in Bellevue, C.C. Mellor Memorial Library in Edgewood, and the Community Library of Allegheny Valley located northeast of Pittsburgh. Each library will receive funds to purchase materials identified in the HSLS Consumer Health Collection, and, as a condition of acceptance, pledged that they will develop consumer health programs and commit funding from their own budget to continue purchases of consumer health materials in the coming year. The collections will be displayed with distinctive signs and bookplates.

- HSLS is evaluating the need for electronic reference services. Renae Barger, Health Sciences Library and Biomedical Informatics Trainee, completed a preliminary review of reference questions received electronically via the Ask-A-Librarian function on HSL Ovid resources. Based on these results, planning for expanded electronic reference services is underway. Results were presented at the Annual Meeting of the Medical Library Association in May 2003.

- The HSLS Health Information for the Consumer web site: <http://www.hsls.pitt.edu/chi/ > was re-designed. The new design incorporates HSLS Web site design features in its appearance and structure, permitting ongoing expansion and improvement, as well as ease of access and navigation. While retaining popular features such as a comprehensive listing of local agencies and organizations, online medical dictionaries, and health provider locator tools, the

content has expanded to include prevention and wellness, online health screening tools, patients rights, quality guidelines, transplantation and many other health topics.

Training Programs:

- HSLS supervised activities for Renae Barger, the Health Sciences Library and Informatics Trainee for 2002-03. Renae earned an undergraduate degree in Medical Technology from the University of Pittsburgh School of Health and Rehabilitation Sciences, and an MLIS at University of Pittsburgh School of Information Sciences (SIS). She worked as a Medical Technologist at first at Magee Women's Hospital and then at Clarion Hospital. While at SIS, Renae interned in the Benedum Oncology Informatics Center and volunteered at the Tissue Banking Information System Project.

- Sugandha Sharma began as Health Sciences Library and Bioinformatics Trainee in January 2003 under the supervision of the Information Specialist in Molecular Biology and Genetics. Hers will be a two-year traineeship while she completes a master's degree in bioinformatics. Sugandha earned a BS and MS in microbiology from the University of Bombay, and an MS in biological sciences from the University of New Orleans. She also worked in a research laboratory at the Thomas E. Starzl Transplantation Institute.

- Mary Lou Klem, Ph.D. was recruited as a Health Sciences Library and Informatics Trainee for 2003-04.

Staff Publications (HSLS Authors in Bold):

Abromitis RA Saghafi E, Folb BL
Assessing the Information Needs of Psychiatric Residents.
Academic Psychiatry. 2003 27:100-103.

Erlen J.
Recent dissertations in the history of medicine.
Journal of the History of Medicine and Allied Sciences. 2002, 57(4): 491-495.
Journal of the History of Medicine and Allied Sciences. 2002, 57(3): 340-344.

Erlen J.
Dissertations in the history of pharmacy.
Pharmacy in History. 2003, 45(1): 42.
Pharmacy in History. 2002, 44(1): 39-41.

Erlen J.
Dissertations in Women's History.
Journal of Women's History. 2003, 15(1): 235-236.
Journal of Women's History. 2002, 14(3): 183-185.
Journal of Women's History. 2002, 14(2): 30-35.

Erlen J.
New dissertations.
Nursing History Review. 2003, 11: 215-225.

Erlen J. contributor
Recent dissertations.
American Indian Quarterly. 2001, 25(4): 651-653.

Erlen J., Fryer-Edwards K.
A tour of dissertations.
ASBH Exchange. 2002, 5(2): 8.

The Ladies Dispensatory
Edited by C Balaban, **J Erlen**, R Sederits
New York : Routledge, 2003

Folb B, Shemberg M
Comprehensive Clinical Psychology: a Review.
Behavioral and Social Sciences Librarian. 2002, 20(2): 43- 57.

Friedman P.
Application programming interfaces for Web bibliographers
MLA News 2002, Jun/ Jul(247): 18.

Gregg AL, Wozar JA, Wessel CB, Epstein BA.
Designing a curriculum on Internet health resources for deaf high school students.
Journal of the Medical Library Association. 2002 Oct;90(4):431-6.

Hartman LM.
Expert Searching: Searching the Rehabilitation Literature.
MLA News, 2003, (355): 354.

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Internet resources: food and nutrition
MLA News, 2002, (351): 8.

Hartman LM.
Resources for the many faces of domestic violence.
Medical Reference Services Quarterly. 2002 Winter;21(4):41-8.

Klein Fedyshin M.
Consumer health informatics—integrating patients, providers, and professionals online
Medical Reference Services Quarterly. 2002 Fall; 21(3): 35-50.

McKibbon KA, **Friedman PW**, Freidman CP.
Use of a MeSH-based index of faculty research interests to identify faculty publications:
an IAIMSian study of precision, recall, and data reusability.
Proceedings of the AMIA Annual Symposium. 2002:514-8.

Martin ER, Brown HA, **Epstein BA**, Lipscomb CE, Riley RA, Shipman JP.
The Leadership Reconsidered Symposium: report.
Journal of the Medical Library Association. 2003 April; 91(2):251-257.

Rivera CB, **Abromitis R**, Brennan A.

Building a Web site for mental health librarians.
Behavioral & Social Sciences Librarian. 2002; 21(1):37-49.

Smith CA, Detlefsen EG, **Tannery NH.**
Medical informatics: the Pittsburgh experience.
Medical Reference Services Quarterly. 2002 Fall;21(3):97-105.

Tannery NH, Foust JE, Gregg AL, Hartman LM, Kuller AB, Worona P, Tulsky AA.
Use of Web-based library resources by medical students in community and ambulatory settings.
Journal of the Medical Library Association. 2002 Jul;90(3):305-9.

Wozar JA, Worona PC.
The use of online information resources by nurses.
Journal of the Medical Library Association. 2003 April; 91(2): 216-221.

HSLS Participation at the Medical Library Association (MLA) Conference, San Diego, California, May 2-7, 2003

- Contributed Papers

Barger R, Tannery NH: *Evaluating the need for an electronic reference service within an academic health sciences library system.*

Chattopadhyay A, Mickelson P, Epstein BA, Tannery NH: *Development of an information service program in molecular biology and genetics.*

Epstein BA, Tannery NH, Wessel CB, Gadd C*: What did they do before it was online? Measuring information-seeking behavior of clinicians prior to initiation of access to electronic resources.*

- Poster Presentations

Foust J, Puskar K: *Impact of an Evidence-Based Searching Class for Nurses.*

Klein-Fedyshin M, Burda M, Lawrence B: *Partnering for Enhanced Patient Education.*

Ripple AS: *Stuck in the mud? Re-thinking interlibrary loan and document delivery.*

Tannery NH, Ripple AS: *Taking the library to the people: designing and marketing population-based reference and instruction services.*

Worona P, Ripple AS, Wozar JA: *Order by number: developing an automatic citation retrieval feature for a Web-based document request form.*

Other Staff Presentations:

Ammon S. Ripple taught a workshop titled *Web Searching Strategies for Public Health Professionals* on July 16, 2002 for the Pennsylvania and Ohio Public Health Training Center (POPHTC).

Charles B. Wessel and **Jody A. Wozar** offered a course *Navigate Your Way to Health Information on the Internet* in October 2002 through the University of Pittsburgh's Center for Lifetime Learning.

Michelle Burda, Michele Klein Fedyshin, and **Charles Wessel** presented a workshop for the Allegheny County Library Association (ACLA) Oct. 24, 2002 titled: *If You Don't Have Your Health, What Have You?* The session focused on the consumer health query, medical terminology, and alternative medicine resources, and was part of the ACLA continuing education workshops for public librarians.

Deborah Lordi Silverman presented *E-books in the Health Sciences* as part of a panel on "Books to Bytes" at the 22nd Annual Charleston Conference: Issues in Book and Serial Acquisition, in Charleston, SC, on Oct. 31, 2002.

Patricia Friedman was a participant in a panel discussion titled "Implementation Strategies: Friend or Foe?" at the American Medical Informatics Association 2002 Symposium held in San Antonio, TX, November 9-13, 2002. In her presentation, *Still up and running: tending an innovation over time,* Pat reported on three years' worth of interaction with faculty end users of the Faculty Research Interests Project (FRIP).

Charles Wessel presented his Medical Library Association continuing education course, *Complementary and Alternative Medicine: Information Resources for Choices in Healing* to librarians from the New York Public Library in Manhattan on November 1, 2002. He also presented this course to the Pittsburgh Regional Chapter of the Medical Library Association on December 5, 2002.

Ammon Ripple presented a 3-hour continuing education course titled *Digital Document Delivery Demystified* to the the Health Sciences Library Association of New Jersey on February 19, 2003 in Princeton, New Jersey.

Ammon Ripple presented a 3 hour training course titled *Public Health on the Web: Finding What You Need When You Need It* to public health professionals from the Allegheny County Health Department on February 28, 2003.

Malgorzata Fort presented *Medical Subject Headings in the Shared Voyager Database* at the 2003 EndUser Meeting, Chicago IL, April 26, 2003.

Programs Attended by Librarians for Professional Development with Support from HSLS:

Keeping Up with PubMed, Pittsburgh, July 2002

NIH-NCBI Advanced Workshop for Bioinformatics Information Specialists, August 4–10, 2002, Washington, DC.

22nd Annual Charleston Conference on Book and Serials Acquisitions. October 30–November 2, 2002, Charleston, SC.

School of Library & Information Studies at the University of Wisconsin-Madison Virtual Collection Development, October 21- November 30, 2002. [Distance Education Course]

American Public Health Association Conference. November 8 - 12, 2002, Philadelphia, PA.

American Medical Informatics Association Annual Symposium. November 11 - 13, 2002, San Antonio, TX.

AAMC Annual Meeting and AAHSL Meeting, November 8-12, 2002, San Francisco, CA.

Patient Education Conference, November 20-25, 2002, Ft. Lauderdale, FL.

Pittsburgh Chapter, Medical Library Association Annual Meeting. December 5, 2002.

AALL, AARL, ALA, MLA, SLA Satellite Teleconference, December 11, 2002: Safeguarding Our Patrons' Privacy: What Every Librarian Needs to Know about the USA PATRIOT Act & Related Anti-Terrorism Measures.

American Library Association Midwinter Conference. January 23-27, 2003, Philadelphia, PA.

Fifth Annual Southern Association for the History of Medicine and Science Conference, February 20-23, 2003, Durham, NC.

Computers in Libraries Conference, March 11-14, 2003, Washington, DC.

MLA Satellite Teleconference "Get HIP TO HIPAA: Health Information Professionals and the Health Insurance Portability and Accountability Act," March 12, 2003.

American Association for the History of Medicine Meeting, and Archivists and Librarians in the History of the Health Sciences Meeting, April 28 – May 4, 2003, Boston, MA.

2003 Endeavor User Meeting, April 25-27, 2003, Chicago, IL.

Medical Library Association Annual Meeting, May 1-7, 2003, San Diego, CA

Pittsburgh Chapter, Medical Library Association, Continuing Education Course attended: Systematic Reviews and The Librarian, May 16, 2003.

Dental Informatics and Dental Research: Making the Connection, June 12-13, 2003, Bethsda, MD.

HSLS Staff Development Committee

The Staff Development Committee, composed of librarians and staff members from a variety of HSLS libraries and departments, sponsored 18 programs for 220 attendees/participants. Topics ranged from lunchtime lectures on fitness and exercise, history of French forts in Pennsylvania, retirement planning, and digital photography, to a travelogue on the islands of the South Pacific. Other activities included a picnic at the Director's farm in Greene County, and a Pittsburgh Pirates baseball game, as well as organized participation in the Komen Foundation's Lee Denim Day, Race for the Cure, and UPMC "Karing for Kids" collection of holiday presents.