

## PDAs at MHMC: The Brittingham Memorial Library PDA Program

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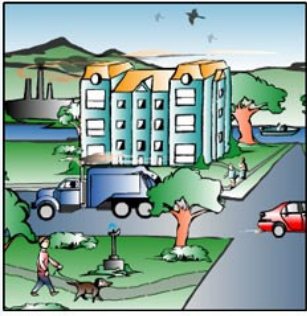
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Christine Dziedzina, Chief Librarian  
 Brittingham Memorial Library  
 MetroHealth Medical Center  
 Cleveland, Ohio

In 2001, Librarian Steve Grove and Chief Librarian Christine Dziedzina from the Brittingham Memorial Library, along with concerned physicians and representatives from the Metro Health Medical Center Information Services Department, formed an advisory group, the PDA Library Users Group (PLUG). The purpose of this group was to investigate the current use of personal digital assistants (PDAs) in the Hospital and to insure that usage complies with the standards for the confidentiality of electronic health transactions as outlined in the Health Insurance Portability and Accountability Act (HIPAA). The Group issued a policy on PDA use and recommended that security software, **OnlyMe**, be installed on all PDAs used throughout the Hospital. A procedure for the purchase of PDAs through departmental funds was approved by the Hospital Accounting Department. The Information Services Department determined the hardware standards for handheld devices purchased through Hospital funds to be the Sony Clie and Handspring VisorPro models only. The Library was chosen to implement the policies, provide server accounts for existing PDAs and distribute PDAs purchased through Hospital funding.

There are currently two categories of PDA users. The first group consists of residents and other Hospital personnel who already own a PDA and have voluntarily agreed to bring their PDA to the Library so that an account may be set up on a server dedicated to PDA use. **OnlyMe** security software is installed and a label is attached to the PDA to show that the PDA is compliant with the Hospital policy. At this time, the Hospital phone directory is also installed but this is not mandatory.

The second group of PDA users includes new interns and residents and other Hospital personnel who have requested a PDA through their Departmental funds. The Library staff maintains an inventory of the devices and is responsible for the set up, initial charging, installation of **OnlyMe** and downloading of the Hospital telephone directory. New PDA users also receive instructions on how to use the PDA including synching, beaming, graffiti and keyboard data entry.



**Check out Tox Town at:**

<http://toxtown.nlm.nih.gov/>

**MEDLINEplus Guide to  
Healthy Web Surfing:**

[http://www.nlm.nih.gov/  
medlineplus/healthyweb  
surfing.html](http://www.nlm.nih.gov/medlineplus/healthyweb_surfing.html)

Initially the program got off to a slow start but in the last few months, the Library staff has processed 71 PDAs for use in the Hospital. Seventy-two percent of those PDAs are used by residents, 14% by attending physicians and 13% non-medical staff. The Department of Medicine is represented by 52% of the total number of users, Dentistry 15%, and Combined Medicine-Pediatrics 8%, with an additional 10 departments each representing about 3%. PDA models include Sony Clie 73%, followed by Palm 18% and Handspring 8%.

The Brittingham Memorial Library plans to become the Information Center for Hospital PDA use by providing assistance to users and recommending subject specific PDA applications. Information will be made available through expanded Users Group meetings and through a PDA page on the Library's web intranet website.

## Rural Hospital Electronic Library of Michigan (RHELM Grant)

Mary Schmidt  
Information Resources Department  
Synergy Medical Education Alliance  
Saginaw, Michigan

In October 2002, Synergy Medical Education Alliance, formerly Saginaw Cooperative Hospitals, Inc., was awarded an Internet Access to Digital Libraries (IADL) Grant in the amount of \$69,000. The grant covers a two-year period during which funds will be used to provide three rural hospitals in the East Central Michigan Region with online access to medical and nursing literature.

The three hospitals named in the grant are Hills & Dales Hospital, Cass City, St. Joseph Health System, Tawas City, and West Branch Regional Medical Center, West Branch.

The Information Resources Department of Synergy Medical will administer the funds to:

- Purchase and install computer equipment
- Design a website for the participating hospitals to access free services such as PubMed or MedlinePlus or subscription services such as StatRef or MD Consult
- Train the medical staff and hospital employees to use the computer equipment and to search databases and the Internet
- Publicize the availability of the new resources

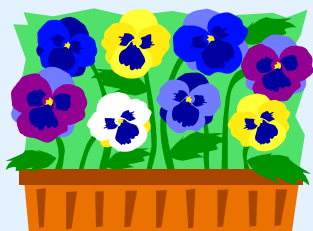
The RHELM hospitals are part of an Outreach Program run by the Information Resources Department of Synergy Medical that provides library services to over a dozen rural hospitals in Michigan. Having this type of information available immediately and on-site will improve the quality of care patients receive and enhance the knowledge of staff and employees.

We are happy to report that we're right on target with our project plan for RHELM. We've purchased the computer equipment and it's been delivered to the appropriate hospitals. The website design is complete and agreements have been made with search services. In a few weeks we will begin our computer classes for staff and employees.

The second year of the grant will be a follow-up phase. Quarterly site visits will be conducted to train new staff. Evaluations will be used to determine the level of satisfaction with training and subscription services.

## Serials Management Project

Barbara A. Gushrowski, Librarian  
Garceau Library  
St. Vincent Hospitals and Health Services  
Indianapolis, IN



The Garceau Library Serials Management Project (SMP) began in fiscal year 1998/99. The Manager of Library Services proposed to the Hospital Executive Committee that the library coordinate all journal subscription purchases for departments, physician offices, outpatient clinics, and other off-site facilities owned by St. Vincent Hospitals and Health Services.

At that time there was no mechanism for determining the amount of money the hospital was spending annually on non-library journal subscriptions. Each cost center determined the sub-account used to track these purchases, and the cost of the subscriptions was buried in a line item along with continuing education.

The purpose of the project was twofold: obtain an accurate accounting of the dollars spent on subscriptions and reduce that spending by eliminating duplicate or unnecessary subscriptions. The library realized an added benefit in an increased awareness and use of the library print and online subscriptions.

### **The Process**

A letter from a senior vice president was distributed to all cost center fund managers, announcing the plan to redirect all subscription requests through the library. The Accounting Department created a new sub-account for subscriptions, and the Accounts Payable Department was notified that no payment for a serial publication could be processed without the signature of a librarian.

The next step was to create a database containing subscription data. The cost center managers forwarded to the library a list of titles, the ship-to name and

## GMR Staff

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Communications  
Coordinator

Deneen Wynn  
Departmental Information  
Supervisor

Angel Johnson  
Consumer Service  
Representative

address of the recipient, and the cost center number. (For this initial phase, many of the waiting room magazines for the physician's office were not included.) The software chosen was Microsoft Access.

Once the data was loaded, reports were run and sent to the journal vendor for processing. The titles were divided into two groups based on expiration date: January-June and July-December. A renewal checklist was generated by the vendor and checked against the database. An email notification message was sent by the librarian to subscribers, the renewal checklist amended based on the subscribers' requests, and the final list returned to the vendor.

The library did not dictate which titles would be renewed and which would not. The librarians provided information about the library's holdings, suggested use of the table of contents service offered by the library, and kept track of all departments subscribed to the same titles. The department fund managers were then able to make informed decisions about the necessity of separate subscriptions for their cost centers.

### **Taking It To The Next Level**

The creation and use of the database was an important component in the process. The librarians were able to organize and coordinate all the subscription information and provide reports to management on the status of the SMP. However, the data resided on a computer in the library office and was not readily available to anyone other than the librarians. Fund managers needed access to this data to track their spending, plan the budget for subsequent years, and make informed decisions about their subscriptions. The start/renewal/cancellation process would also be facilitated by online access to the database.

The librarians met with a programmer in the Information Services Department and provided him with all the requirements for the project. He then created an interface template and added, deleted, or modified design features over several iterations until the librarians were satisfied that the product was ready for use by the hospital associates. In the fall of 1999 the Web site was unveiled on the hospital's intranet in time for the January-June renewal process.

The site was met with much enthusiasm due to its simplicity. The user selects the "subscription" icon from the library's intranet site and enters a cost center number. A page is displayed with all the titles subscribed to by that department. Then the user selects the "renew" or "cancel" option for each of the titles and a report is generated to the administrator side of the database. The librarians then approve the renewal or cancellation online and the database reflects these changes.

There have been subsequent design modifications to the Web site, though the functions remain the same. The users can query the database to determine subscription status for each department, request new subscriptions, and renew or cancel existing ones.

When a new subscription is requested, the user gets a listing of all the departments in the hospital that already subscribe to that title, along with a message suggesting that sharing or borrowing a copy might be an alternative to purchasing. The one feature we would like to add is to include the library's holdings and suggest that the requester use the library copy.



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May 2-7

See you at MLA!

## Results

The project met its initial goals in dramatic fashion. For the first time, the hospital personnel were aware of the number, type, and cost of subscriptions. Processing all subscriptions in a central location eliminated a great deal of unnecessary spending. Multiple-year subscriptions were not allowed, "subscription creep" was stopped by disallowing "early renewal" offers, and "continuation-notice-itis" was completely cured. The number of titles dropped by approximately 150 and dollars spent by the hospital on serials dropped nearly \$10,000.

## Keys To Success

This project could not have been successful without the support of the hospital's top management. Two full ordering cycles (one year) were completed before the process really became a part of the corporate consciousness. Constant education by the librarians on the rationale for the process, dialogue, and updates with the Executive Committee on the progress and the savings afforded by the SMP have guaranteed its continuation and its success.

The process of renewing all institutional subscriptions through a central location is a good cost-saving strategy and does not require extensive technical knowledge or use of the institution's intranet. But the easy access to the subscription information on the intranet has been a popular feature of the SMP. A good working relationship with the information services of the institution is essential for this aspect of the project. It is through the support of St. Vincent Hospital Information Systems, most notably the creative vision of Jason Wallace, that Garceau Library is able to offer hospital associates the convenience of online renewal.

This project provided an opportunity for the librarians at the Garceau Library to impact the bottom line for St. Vincent Hospital. With our skills in serials management, organizing, and disseminating information, we are able to provide service and value at little additional cost of time or material. The project is now in its fourth year and continues to be very successful.

Barbara won the Midwest Chapter/MLA 2001 Award for the Advancement of Health Information Technology for the project described in this article.

***This article originally appeared in MIDLINE, the Midwest Chapter MLA's newsletter, No. 90, Winter 2003***

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## Great Members

There are now 397 Affiliate Members and 547 Full Members in the GMR.

### New Director at UW Madison

**Terrance M. Burton**, MLIS, is the new director of the University of Wisconsin - Madison Health Sciences Libraries. Before coming to Madison, Terry was Health Sciences Library Director at West Virginia University. He is a 1974

graduate of Carroll College of Waukesha, Wisconsin, received an MFA in theatre at the University of Georgia in 1980, and a Master of Library and Information Science (MLIS) at the University of Wisconsin-Milwaukee in 1988. He was System Services Librarian at the Mid-Wisconsin Federated Library System, and Library Instruction Coordinator at UW-Oshkosh until his move to West Virginia in 1994.

The Health Sciences Library at WVU serves the Schools of Medicine, Dentistry, Nursing and Pharmacy, basic sciences and allied health programs, and related institutions and programs that are part of the four affiliated WVU Hospitals and Rural Health Education partnership sites. At WVU, Terry was an Adjunct Associate Professor of Dentistry and also served as the principal investigator for an IAIMS (Integrated Advanced Information Management Systems) planning grant.

Terry was chair of the Dental Libraries section of the Medical Library Association and of the Mid-Atlantic Chapter / Medical Library Association. He is also a member of the American Dental Educators Association, the American Medical Informatics Association, and the Association of Academic Health Sciences Library Directors.

In his spare time, Terry is a professional stagehand and a visual instructor for the Pioneer Drum and Bugle Corps of Milwaukee. Terry's wife, Lucinda, is an aerospace engineer. They have three daughters: Julia, Amanda, and Susan.

Erika L. Severson, M.S.  
Information Services Librarian  
UW-Madison Health Science Libraries

## SLA Recognizes Illinois Librarians

Two of our Illinois colleagues, Robert Malinowsky and Lian Ruan, are being honored by SLA this year. In case you missed the SLA press release, excerpts describing the awards follow. Please join me in congratulating Bob and Lian for such significant recognition by the Association!

The SLA Hall of Fame is granted to members of the Association at or near the end of an active professional career for an extended and sustained period of distinguished service to the Association in all spheres. This year's winner is H. Robert Malinowsky, Professor and Manager of Collection Development and Reference, University of Illinois at Chicago, Chicago, IL.

The SLA Diversity Leadership Development Award recognizes individuals from multi-cultural backgrounds who display excellent leadership abilities in the profession and demonstrate a willingness to develop and strive for leadership opportunities within the Association. The year's winners include Lian Ruan, Director/Head Librarian, Illinois Fire Services Institute, Champaign, IL.



## Awards

### H.W. Wilson Company Award

The H.W. Wilson Company Award, presented to authors of outstanding articles published in Information Outlook, SLA's monthly magazine. This year's award goes to Lori A. Zipperer, Cybrarian, Zipperer Project Management, Evanston, IL, and Sara R. Tompson, Director of Library Services, Packer Engineering Library, St Charles, IL.

## Access to Electronic Health Information Grants

### Illinois

OSF Saint Francis Medical Center  
Library and Resource Center  
Peoria, IL  
Project Director: Carol Galganski  
[carol.galganski@osfhealthcare.org](mailto:carol.galganski@osfhealthcare.org)

This project will improve access to quality health information resources by strengthening the partnership between the OSF Center for Health Resource Library and the OSF Saint Francis Medical Center Parish Nurse program. The project plan includes having the OSF Resource Library consumer health librarian teach four new parish nurses how to search for quality health information on the Internet and the parish nurses will in turn teach their parishioners how to access the same sites for quality health information.

### Ohio

Children's Hospital Medical Center of Akron  
Akron, OH  
Project Director: Cheryl Libertin  
[cclibertin@chmca.org](mailto:cclibertin@chmca.org)

The Family Resource Center, a pediatric consumer health library located at Children's Hospital Medical Center of Akron, will enhance consumer health literacy by increasing consumer and health professional awareness of the Internet as a health information source. A computer classroom at the hospital will be used for training of health professionals and community support groups. A laptop computer and digital projector will be employed for off-site classes at 6 branches of the Akron-Summit County Public Library.

### Wisconsin

St. Michael Hospital Library  
Milwaukee, WI  
Project Director: Vicki Kuenzi  
[vkuenzi@covhealth.org](mailto:vkuenzi@covhealth.org)



St. Michael Hospital has plans to establish a nurse-managed clinic on the property of Holy Redeemer Church in early 2003 to provide essential health services to the congregation and residents of the surrounding community. St. Michael Library will complement this partnership by providing library support to health consumers and caregivers through electronic access to credible health information resources at the clinic site. The target population has a high percentage of minorities and significant numbers of children under the poverty level.

## National Library of Medicine Fellowship Program

**Martin Brennan**, Assistant Information Services Librarian at the University of Illinois Chicago Library of the Health Sciences, has been accepted to attend the National Library of Medicine Fellowship Program in Medical Informatics. The program is held semi-annually at the Marine Biological Laboratory located at Woods Hole, Massachusetts. This weeklong survey course is designed to familiarize individuals with the application of information science and computer technologies in health care, biomedical research, and health professions education. Through a combination of lectures and hands-on computer exercises, participants will be introduced to the conceptual and technical components of medical informatics. The course enrollment is limited to 30 fellows, for which the National Library of Medicine covers all travel and course-related expenses. Congratulations to Marty.

## Other News in the Region

**Carol Scherrer**, Head of Information Services at the University of Illinois at Chicago's Library of the Health Sciences, was quoted in a February 24 [Daily Herald](#) article on the importance of evaluating medical information found on the Internet. Before accepting any item in a consumer health Web site as a fact, Ms. Scherrer recommends checking who or what organization sponsors the Web site, the sources of the information posted, and the purpose of the site.

**Carole Gall** won the Indiana University President's Council on International Programs, International Projects and Activities grant, which provided airplane transportation to the Dominican Republic to research the collection of a small Eye Clinic Library in one of the poorest areas of the Dominican Republic. She helped begin the Dominican library in 1992, and the subsequent planning, cataloging, and on-site work were her contribution toward developing a functional library, which was needed to gain accreditation for the Clinic's new three year Ophthalmology Residency Program for Latin American medical students in the Caribbean. Contact has been by email, usually reporting the circulation statistics for the month, which remain steady. Carole's fourth on-site visit occurred March 2003, where she advised on information resources and taught free, quality internet sites to the hospital residents and staff.

**Lynda Baker**, Associate Professor, Library and Information Science Program at Wayne State University has co-authored an article entitled "General Health Problems of Inner-City Sex Workers: A Pilot Study", which appears in the *Journal of the Medical Library Association* 91 (1), January 2003. It is available



in full text at:

<http://www.pubmedcentral.nih.gov/picrender.fcgi?action=stream&blobtype=pdf&artid=141189>

**Billie Broaddus**, Academic Information Technology & Libraries, University of Cincinnati and a former President of the Midwest Chapter/MLA, retired February 3, 2003. Billie began her work in medical libraries in 1961 as secretary to Alfred N. Brandon, then Director at the University of Kentucky Medical Center Library. Upon obtaining her BA degree in history in 1973 and her library degree in 1974 from the University of Kentucky, she accepted the position of Head of Reference at the University of Cincinnati. For the past 29 years she has served in several positions in that organization, first under Dr. Nancy Lorenzi, and then Roger Guard. She became Director, Cincinnati Medical Heritage Center, in 1982. A farewell party, which included family, friends, and colleagues, was held on January 24, 2003.

**Stephanie Hanus**, President Wisconsin Health Science Libraries Association, left her position at St. Joseph's Hospital-Milwaukee on February 7 to join the staff at the Brookfield Public Library. She will continue her duties as WHSLA President until the end of her term.

**Andrew Osmond** will join the staff of UW-Madison Health Science Library as an Electronic Resources and Cataloging Coordinator. Andrew begins his position on April 7. Andrew comes from the University of Massachusetts at Amherst where he was heavily involved in electronic resource cataloging and development of the information architecture of their digital library. As an alumnus of the UW-Madison SLIS program and an editor for the Scout Report, he is very familiar with the UW-Madison campus.

**Susan Wagner-Hecht** began her job as the new Library Assistant at the Mercy Medical Center Libraries in Cedar Rapids, Iowa. She works part-time in the Patient Resource Center and part-time in the Medical Library. Susan worked as a paraprofessional reference librarian and ILL supervisor at Coe College in Cedar Rapids, prior to this position.

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We are always looking for articles to publish in E Sources, if you have recently written an article please send it to Kara Thompson at [karalt@uic.edu](mailto:karalt@uic.edu).

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# Great States

## North Dakota & South Dakota



### Tribal College Libraries: Linking Native Americans to Health Information

The Library of the Health Sciences at the University of North Dakota received funding for an "Access to Electronic Health Information for the Public" project which runs from March 1, 2002-August 31, 2003, through a subcontract with the National Network of Libraries of Medicine/Greater Midwest Region office at the University of Illinois at Chicago. It is coordinated by Judy Rieke, Principal Investigator, and the partner libraries include the five tribal college librarians in North Dakota. They are:

- Myrna DeMarce, Cankdeska Cikana (Little Hoop) Community College, Fort Totten
- Quincee Baker, Fort Berthold Community College in New Town
- Mark Hoffman, Sitting Bull College in Fort Yates
- Tom Eggers, Turtle Mountain Community College in Belcourt
- Charlene Weis, United Tribes Technical College in Bismarck

The four University of North Dakota clinical campus librarians -- Barb Knight, Karen Anderson, Leeila Bina, and Mary Markland -- are assisting in the training portion of the subcontract and will act as mentors and resource persons for the tribal college librarians.

The major objectives of this project are:

1. Train Native American health care consumers and health professionals needing consumer health information to find reliable electronic consumer health information through partnerships with tribal college library staff.
2. Develop a health information web page to prominently promote MEDLINEplus, PubMed, and ClinicalTrials.gov as well as other web resources applicable to Native American health consumers.

3. Provide tribal college libraries with access to a full text health information database.
4. Place computer workstations with Internet access dedicated to the Native American consumers and health professionals needing consumer health information in all five North Dakota tribal college libraries.

To learn more about this project, visit our web site at:  
<http://harley.med.und.nodak.edu/tcl/>

## University of North Dakota Library of the Health Sciences Key Player in ND BRIN Grant

In October 2001, the National Institutes of Health (NIH) awarded 24 grants totaling \$45 million to biomedical research institutions located in 23 states and Puerto Rico that have not fully participated in NIH grant funding in the past. The University of North Dakota School of Medicine and Health Sciences received a three-year, \$6 million grant. One of the designated core areas is Bioinformatics and within that core \$100,000 a year is designated to fund access to electronic resources for North Dakota biomedical researchers. For more information about North Dakota BRIN see the web page at:  
<http://www.med.und.nodak.edu/brin/>

Judy Rieke, Assistant Director and Collection Management Librarian at the UND Library of the Health Sciences, assumed the responsibility for negotiating, purchasing, and coordinating access to the resources deemed most appropriate through user surveys and librarian input. Year one funds purchased the following resources: Vector NTI, an integrated sequence analysis software; SciFinder Scholar from Chemical Abstracts, and 41 electronic journals including the complete suite of Nature titles, Cell Press titles, and the biomedical suite from Annual Reviews. The electronic journals are available statewide to the BRIN colleges participating in the grant.

Several training sessions have been held and focused not only on the purchased resources, but also featured PubMed and the journals available through PubMed Central. In addition, Barb Knight, Reference and User Education Librarian, at the Library organized and coordinated a two day training session entitled A Field Guide to GenBank and NCBI Molecular Biology Resources in September 2002. Dr. Peter Cooper and Dr. Eric Sayers of The National Center for Biotechnology Information (NCBI) were at the University of North Dakota Campus to present the course.

## The Medical Library – Rapid City Regional Hospital

Rapid City Regional Hospital, located in the beautiful Black Hills of Western South Dakota, serves a 300-mile radius. If our huge service area, 3000 employees and 22 separate healthcare facilities aren't enough to keep us hopping, we are also proud to play an active role in the Medical Library Association's effort to provide interlibrary loans and reading materials to the medical library in Riga, Latvia.

Our consumer-focused Health Information Center located within the walls of the Library is open to the public and offers a wide range of resources and services to patients, families and the general public. A grant from the GMR in 2000 allowed us to network with 22 public libraries to provide quality consumer health information in our 3-state service area.

Each of our staff shares their special talents to keep us ahead-of-the-game with the challenges of ever-changing technologies, customer service and outreach initiatives. Our Library received the first Outstanding Service Award from our Medical Staff, and our annual National Medical Librarian's Month celebrations have developed quite a reputation. Our all-out, open house/costume parties have included Sixties, Mystery and Halloween themes. Please stop in to see us if you're passing our way!



Front Row: May Geisler, Pat Hamilton (Director)

Back Row: Sharon Edwards, Evelyn Wilder, Michael Bossen, Coleen Coble

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# Great News

## DOCLINE 1.5 Enhancements:

A new Region code, Region 21, was established for libraries in Mexico to become full DOCLINE participants enabling them to report holdings data, create routing tables, and use DOCLINE to request and lend documents.

The display of the ISSN will include a description of physical format for each serial. If multiple ISSNs exist for a single bibliographic record, all ISSNs will display. The words '(Print)' or '(Electronic)' will display following the corresponding ISSN. The following functions are affected by this change:

- Borrow
- Receipt
- Resubmit
- SERHOLD Record Display
- SERHOLD Add
- SERHOLD Update
- SERHOLD Reports

Receipts were modified to accommodate the longer display of ISSN information. ISSN will be moved to its own line under the PubMed UI field. The Verify field is being moved to the previous location of the ISSN, on the line with the NLM Unique ID.

Receipts were modified to accommodate very long citations. The citation length was increased to 100 characters.

The Receipts process was modified to suppress the display of the Print Receipts button until all request data has been transferred to the user's browser. The secondary window for printing and downloading of receipts has been eliminated, except for Netscape 4.x, which continues to require the new window to properly print receipts.

Netscape 7 will be supported beginning with DOCLINE 1.5.

**NOTE:** Netscape 6 continues to be unsupported due to multiple issues with this browser release.

### **Over 10,000,000 sent...**

The 10 millionth request was entered into DOCLINE, Wednesday March 19, 2003 at 11:09am ET. The 10 million requests includes both Loansome Doc and DOCLINE transactions. The transaction is a Loansome Doc request which routed to the Sharp Memorial Hospital (CAUSHX) in San Diego, CA and was filled.

This milestone provided the chance for the DOCLINE team at NLM to take a closer look at the systems productivity. Below they have summarized this activity over the last 40 days.

They found that 91% of the DOCLINE requests were filled, The most common delivery method by network members is still good old US Mail but Ariel and Fax

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**Send submissions to:**  
**Kara Thompson,**  
**Editor**  
**karalt@uic.edu**

delivery comprise about 30%.

Since July 2000, 7,944,336 DOCLINE requests have been completed. The fill rate since web DOCLINE was implemented is 91.5%.

The average number of libraries to which a request routes before it is completed is 1.22.

83% of requests are completed on the first route.

96% of requests are completed after routing to 2 libraries

4% of requests routed to more than 2 libraries.

We'd also like to highlight the following SERHOLD statistics since June 2000:

2,806 libraries have updated 463,254 holdings

1,916 libraries have deleted 24,135 holdings

Currently:

3,046 libraries report owning 1,386,125 holdings.

There are 52,070 unique serial titles for which holdings are reported.

The numbers illustrate the success of DOCLINE and the reciprocal ILL arrangements among DOCLINE libraries. Congratulations and thanks to everyone.

**The DOCLINE Team**

## Recent Recipients of the GMR Exhibits Awards

54th Annual Convention of the Wisconsin Student Nurses Association  
Karen Hanus  
Medical College of Wisconsin Health Sciences Library  
March 3, 2003

Illinois Public Health Association  
Rhonda Kelley  
Southern Illinois University  
April 6-9, 2003

Illinois Rural Health Association  
Rhonda Kelley  
Southern Illinois University  
April 16-17, 2003