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## Submit articles, concepts, and suggestions for [E Sources](#)

Send ideas about what you would like to see in [E Sources](#) or [questions](#) you would like answered.

Do you know of a librarian that should be featured? Would you like to share a medical library innovation? Share your knowledge and talents with other GMR members.

Name

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Is there a web site to link?

Type your article ideas here:

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## Palm Classes are Popping up Everywhere

Beth Carlin  
Education Coordinator  
GMR

Palm technology is not new but it is growing rapidly with more and more applications available. Librarians and Health Professionals alike are offering support classes for PDA users which examine devices to buy and what software is best based on setting.

## MLA is offering a teleconference on Feb 6, 2002

"Sync or Swim: Managing the Flood of PDAs in Health Care". The teleconference is designed to help librarians promote PDA technology. It will cover currently available handheld hardware and software along with information on how to design training classes to use specific PDA features. New programs currently using PDAs for health care professionals will be highlighted. Registration information will become available on [MLANET](#).

## Midwest Chapter

The Midwest Chapter MLA meeting held in Milwaukee, Wisc. Oct 5-9 offered the class "Palmtop Computers in the Library" presented by Mari J. Stoddard, MLS from Arizona Health Sciences Library. The class reviewed palm hardware and peripherals, and offered instruction in how to use the built-in applications such as address book and memo, and utilities such as synchronizing and entering data. You begin to see a common thread in the classes as they cover good resources for functionality based on the user needs. Most classes mention free resources such as [AvantGo](#) which is an off-line web-browser that allows users to download their favorite web sites to their palms and update as often as they sync their palm.

Librarians want to know how to support health professionals in the library who are using handheld devices. One resource mentioned, [pdaMD](#), offers good examples on how MDs use palmtops.

## American College of Emergency Physicians

Just as librarians are looking at assisting our users with this new technology, our users are also looking at how palms can function in supporting their jobs. The GMR recently exhibited at the The American College of Emergency Physicians 2001 Scientific Assembly held in Chicago, IL October 15-17. One of the classes offered entitled "Palmtop Computers in the Emergency Department: New Cyberware?" was presented by Todd B. Taylor, MD.

This class reviewed resources available for palm and windows that would be useful in emergency medicine. Dr. Taylor reviewed different hardware to help colleagues decide which device to purchase based on their practice preferences. Standing out particularly for use in the Emergency Room are resources that prove to be quick, easy, and useful. For example, [MedMath](#) is used to calculate blood chemistry. Dr. Taylor also recommended that users develop their own tools for the palm as he and his colleagues from Wright State University developed a palm tool for procedure tracking for their residents. He also talked about [Palmgear](#) which provides free or low priced applications developed by users.

Most of the sites I mentioned are common knowledge in the palm user world. The exciting thing about these tools is their application in different settings. Watch [E Sources](#) for continuing education opportunities and new applications for palms users.

## Additional Palm Tools

### Free

- [EBM Palm Resources University of Toronto](#)
- [SUNY Downstate Medical Center Palm Support](#)

### Commercial

- [Portable Emergency and Primary Care Information Database](#)
- [MobileMicromedex](#)
- [E Medicine on the Go](#)
- [Skyscape Products for Palm OS](#) (drug information texts or clinical decision making tools or medical dictionaries)
- [Medscape Mobile](#)
- [Handheldmed](#)

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## PDA Survey at the University of Cincinnati College of Medicine

Leslie Schick  
 Director, Library Services  
 Academic Information Technology & Libraries  
 University of Cincinnati Medical Center

### Introduction

Academic Information Technologies and Libraries (AIT&L) at the University of Cincinnati Medical Center began sponsoring a 'PDA Users Group' in February 2001. At the first meeting, first and second year students stated that as they approached their clinical years it would be very helpful to get advice from third year students who have bought handheld devices. AIT&L, with input from the PDA Users group, developed a web-based survey that was distributed to all medical school faculty, residents, and students (approximately 2000 people).

### Survey Questions

The list of questions included in the survey follows:

- What current or future plans do you have for handheld devices?
- What brand of handheld device do you currently have or do you intend to buy?
- Would you buy the same type of PDA again?
- What type of applications do you use? (Check all that apply)
- Please list any programs/applications you are currently using and rate them accordingly.

### Survey Results

About 150 survey responses have been received to date. Here are the breakdowns for each question.

#### What current or future plans do you have for handheld devices?

Own one	70%
Plan to purchase within months	6%
Purchase within a year	15%
Don't know	9%

**What brand of handheld device do you currently own?**

3Com Palm	82%
Handspring	15%
Jornada	2%
Other	1%

**Would you buy the same type of PDA again?**

Yes	67%
No	27%
Not applicable	6%

**What types of applications do you use?**

Schedules & contacts	16%
Phone/address book	18%
Personal information management	9%
Patient care	13%
Web access	2%
E-mail	4%
Reference tools (e.g. PDR)	14%
Financial	2%
Medical	18%
Games	4%

**Please list any programs/applications you are currently using and rate them accordingly (5 is the 'best score').**

ePocrates	19%	4.43
Five Minute Clinical Consult	17%	4.79
Lexidrugs	15%	4.06
MedMath	17%	3.68
Patient Keeper	12%	3.07
PDR	3%	4.00
Ward Watch	3%	3.80
qID 14%	14%	4.24

We know that handheld devices are going to play an even more important role in the future and are looking forward to supporting our customers as they use these devices to better manage themselves and their patients.

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## The Pritzker Palm Project at the University of Chicago

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Rebecca Woolbert  
Science Reference Librarian / Biomedical Specialist  
The University of Chicago, John Crerar Library  
5730 South Ellis Avenue  
Chicago, IL 60637

"The goal of the University of Chicago Pritzker School of Medicine is to produce accomplished physicians who are capable of functioning as outstanding clinicians, physician-scientists, medical educators, and clinical scholars." [1](#)

During the first two years, students are introduced to the basic sciences that underlie the practice of medicine. During the third and fourth years of study, students apply these skills to the clinical arena, learning the basics of patient care through a series of eight clerkship rotations. Throughout their studies, Pritzker students learn about complexities of the human body, the provision of healthcare, and the myriad of technologies related to patient treatment and care.

One of the smallest and most popular technologies employed in medicine at this institution and elsewhere is the PDA, or personal digital assistant. Though many faculty, students, and staff utilize palm technology at the University of Chicago, at this time, PDA's are not distributed as part of the medical curriculum. Training in the use of these devices is limited to the expertise of individual faculty members and students who share their knowledge on an ad hoc basis.

In order to more formally determine the effectiveness of handheld computers in an educational setting, David Liebovitz, MD and his co-investigator Adam Cifu, MD applied for and received funding from the University of Chicago's Provost's Program for Academic Technology Innovation (ATI). [2](#) This program encourages new uses of information technology in research and instruction by assisting faculty with the development of information technology projects.

The aims of this grant application, referred to locally as The Pritzker Palm Project were

1. To streamline core knowledge exposure for students on the various clerkship rotations.
2. To foster collaboration and teamwork among students in the clerkship setting.
3. To facilitate communication between students and clerkship directors.
4. To meet the goals of lifelong professional learning habits as promulgated by the American Association of Medical Colleges Student Objectives Project [3](#) and the Outcome Project of the Accreditation Council for Graduate Medical Education. [4](#)

The ATI grant was enabled the purchase of Palm Vx handheld devices at reduced prices through the campus computer store for 104 medical students at the beginning of their third year of training. Students then paid fifty dollars to acquire a device. This nominal fee was charged in part to provide additional funding base upon which to meet future hardware/software needs.

During the Fall 2001 orientation students learned how to operate their Palm devices, including how to install required programs, such as the Epocrates qRX drug formulary, the qID infectious disease database, the 5 Minute Clinical Consult, and the MedMath Calculator. Documentation support and software updates were available through a website created in support of the Pritzker Palm Project at <http://imr.bsd.uchicago.edu/pcg/palm/>. In addition, twelve students were designated as local experts in order to provide technological support for students and faculty during their clerkship rotations.

Directors in the Medicine clerkship provided course content to students using AvantGo, [5](#) while the online database provider Formsite.com was utilized to push evaluation forms, quizzes, and surveys. Students were also encouraged to develop and share clerkship notes through another free service, [www.Coola.com](http://www.Coola.com) [6](#)

Feedback to date for this project has been positive. Evaluation is ongoing, with surveys planned at the mid-year and end-year points. These surveys will assess the perceived value of course content via the Palm device, the satisfaction with support provided by student "experts", usefulness of collaboration requirements, and overall satisfaction with the hardware and software provided.

1. The Biological Sciences Division. The Pritzker School of Medicine. Prospective Students. Curriculum. "Competency Based Curriculum"  
[http://pritzker.bsd.uchicago.edu/prospectiveStudents/curriculum\\_competencies.html](http://pritzker.bsd.uchicago.edu/prospectiveStudents/curriculum_competencies.html)
2. Chicago's Provost's Program for Academic Technology Innovation (ATI). The University of Chicago. Networking Services & Information Technologies. Instructional Technology.  
<http://www.uchicago.edu/docs/innovate/>
3. Medical School Objectives Project: Medical Informatics Objectives. (1999, Dec. 7). Washington, D.C.: American Association of Medical Colleges.  
<http://www.aamc.org/meded/msop/informat.htm>
4. ACGME Outcome Project General Competencies. (1999, February). Chicago, IL: Accreditation Council for Graduate Medical Education. <http://www.acgme.org/Outceom.comp.asp#3>
5. Avantgo is free service that delivers web page content to handheld computers through customized "channels." <https://avantgo.com/frontdoor/index.html>
6. Coola. is a free service that enables information to be synchronized to your Palm via "coolets."  
<http://www.coola.com/>

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## Questions and Answers

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This question and answer format was established per member feedback. The objective is for members to send in questions to E Sources via the [Submissions Link](#). We will post your questions here so that librarians who have had experience with that particular situation can respond with answers. You can submit your answers via the submissions link as well.

### Collection Development Question

#### How do I get a subject list of journals that are indexed in MEDLINE?

For example, I would like a list of health care administration journals and consumer health journals indexed in MEDLINE.

The following FAQ from NLM answers your question:

<http://www.nlm.nih.gov/services/speclist.html>. Email the gmr at [gmr@uic.edu](mailto:gmr@uic.edu) if you need additional information.

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## Presenting PDAs

**October - December 2001 no.2**

Karen Anderson  
Librarian, Trinity Health and  
The University of North Dakota, NW Clinical Campus Librarian  
Minot, ND

Many medical librarians are beginning to get PDAs and are wondering how they can assist PDA usage by physicians and residents. A few months after our residents had received their handhelds, I was asked to give a presentation on them. After reading up on PDAs, I decided that before teaching the class I would send a survey to see what they already knew. I also requested that they bring their PDAs to the presentaton for a hands-on approach. The survey generated knowledge of:

- Address Book Entries, the To Do List, and the Date Book.
- Beam Applications
- Ability to Create Shortcuts
- Floating Events Creation
- Graffiti Usage

The survey results showed that the students were almost equally divided in terms of learning levels. To be most effective I decided to make instruction sheets for

- The Address Book
- Creating Shortcuts
- Date Book+
- To Do Lists
- Memo Pad
- AvantGo
- and Beaming Applications.

I included more detailed features like using the Phone Lookup as well as the following tips which they could apply to their medical work.

- "If you get a message on your beeper telling you to call a particular phone number and it is in your address book you can use the FIND feature to find out who the number belongs to."
- How to edit categories in the address book to include new ones like "residents", "pharmacists," "patients."
- Under the shortcut section they learned how to create shortcuts for "on call," "patient", and "hospital."
- There were detailed instructions on how to make floating events, recurring events (weekly,

monthly, and yearly). As an example, I used the dates that they would need for their monthly resident meeting and their noon conferences.

I created a tri-column PDA Info and Tips Sheet for them which included information about saving battery life, changing alarms sounds, bringing up the graffiti list when in the middle of writing, and other items. I also showed them what a keyboard for the device looked like as well as a modem and a backup module. To illustrate beaming, I beamed Diddlebug to them. They really liked that program. It operates like a sticky note. You can write directly on the main screen instead of the silk screen and you can write using your own handwriting instead of graffiti. You can also draw pictures with it. It has a built-in alarm feature, too. It is very good for writing reminders quickly.

These instruction sheets enabled the students to utilize unfamiliar aspects of the PDA. The sheets helped both novice and experienced PDA users.

Residents who already used applications discussed in class learned new things about them and that those that had not used their PDAs were off to a good start.

The next lecture I give will include AvantGo as well as other applications and web sites for medical information. AvantGo allows you to download channels (web sites) that are configured for the PDA and it allows you to download other web sites as well. It's really nice because it allows you to download channels like CNN and then you can view the web site from your PDA whenever you like. Some web sites are configured for the PDA but there are some that are not.

### **HOW TO USE AVANTGO**

AvantGo is free and may be installed on your handheld.

- Register to use Avant Go at their [web site](#) In the bottom right-hand corner of that web page click SIGN UP. If AvantGo is not installed, you can download it from this sign up page.
- Once registered, go to the web site on your desktop computer to add web sites to download to your PDA.
- Enter your name and password to enter your account.
- Click on CREATE CHANNEL and follow the prompts.
- The next time you hot sync if you are on the Internet at the same time, it will download that page to your PDA so you can read it whenever you choose from your handheld device. From that time on each time you sync if you are connected to the Internet, it will update that Internet page as well as the others that you have chosen to your Visor.
- To view your channels and web sites, tap AVANTGO on your PDA, then tap the channel or web site you want to see. The house icon in the top right-hand corner takes you back to the main list and the arrows beside it move back and forward in the pages. Tap an article to read it.

On a personal note, I download the NLM Technical Bulletin and E Sources to AvantGo so I can read them when I am not at my desktop computer.

I hope my presentation gives you some ideas to build on.

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### National Medical Librarian's Month

- [Projects Submitted to NLM](#)

### Published, Quoted, and Awarded

- Judy Rieke, Assistant Director & Collection Management Librarian, University of North Dakota.  
[Electronic Journal Access: How Does it Affect the Print Subscription Price?](#)  
Bull Med Lib Assoc. 2001 October; 89(4) 363-371. Additional authors, Frances L. Chen and Paul Wrynn.
- Kathy Robbins, Reference Librarian. University of Minnesota Biomedical Library.  
Quoted in the Annals of Internal Medicine. 2001 August; 135(4) 309-12.  
The article is about the Cochrane Collaboration.
- Felicia A. Smith, Information Specialist, Health Learning Center, Northwestern Memorial Hospital, Chicago, IL  
Awarded the first MLA/NLM Spectrum Scholarship for 2001.

### Midwest Chapter Highlights

#### Speakers

##### [Information Technology: Impact on Clinical Practice](#)

Joel Buchanan, M.D. Medical Director of Information Systems at University of Wisconsin Hospital & Clinics (UWHC).

##### [Informationists, Cybrarians & Beyond: Reflections On 21st Century Health Sciences Librarianship](#)

Valerie Florance, Ph.D. Program Officer, Extramural Programs at the National Library of Medicine

##### [Sense and Sensibility: How to Recognize, Organize, Preserve and Promote Your Institution's Historical Material](#)

Micaela Sullivan-Fowler History of Medicine Librarian and Curator of the Rare Books and Special Collections at the University of Wisconsin's Middleton Health Sciences Library.

[Fraud and Quackery on the Internet](#)

Stephen Barrett, M.D., Author, editor, and consumer advocate.

## [Papers](#)

[The Information Tools 2000 Program: Simple Partnerships Fostering Superb Success](#)

La Ventra Ellis-Danquah, Instruction and Health Information Services Librarian. Vera P. Shiffman Medical Library, Wayne State University, Detroit, Michigan

[SEARCH: A Project To Teach the Public and Public Librarians To Find and Evaluate Consumer Health Information on the Internet](#)

Kirsten P. Fredericks, Librarian. Wishard Health Services, Indianapolis, Indiana

[Journal Subscription Cancellations, Interlibrary Loan, Full-text Databases--How They Do \(Or Do Not\) Relate](#)

Ann C. Glenn, Biological Sciences/Chemistry Subject Specialist. Founders Memorial Library, Northern Illinois University, DeKalb, Illinois

[Extending Library Services via the Web](#)

Steven Hunt, Head of Information Systems; Brian Lauer, Knowledge Management Librarian; Linda Walton, Associate Director; James Shedlock, Director. Galter Health Sciences Library, Northwestern University, Chicago, Illinois

[Information Access for Public Health Professionals in North Dakota](#)

Barbara Knight, Reference and User Education Librarian; Lila Pedersen, Director; Leeila Bina, Clinical Campus Librarian; Karen Anderson, Clinical Campus Librarian. Harley E. French Library of the Health Sciences, University of North Dakota, Grand Forks, North Dakota

[Going Virtual: A Non-traditional Approach to a Pharmacy Degree](#)

Natalie Kupferberg, Pharmacy Librarian. Ohio State University Biological Sciences/Pharmacy Library, Columbus, Ohio

[IAIMS and the University of Wisconsin Health Sciences Libraries](#)

Natalie Norcross, Interim Co-Director; Andrea Ball, Education and Distance Learning Coordinator; Daniel Barkey, Head of Information Systems; Kelly Kwiatkowski, IAIMS Project Manager. Health Sciences Libraries, University of Wisconsin – Madison, Madison, Wisconsin

[Cross Linking: DOI, CrossRef, SFX and Beyond](#)

Brett Powers, Health Science Librarian. Fordham Health Sciences Library, Wright State University, Dayton, Ohio

[Train-the-Trainer \(TNT\): Bringing Rural Health Consumers Online](#)

Diana Robertson, Library Services Coordinator, Northern Wisconsin AHEC; Margaret (Peg) Allen, Library Consultant to Northern and Southwest Wisconsin AHECs

[Comparison of Medline Teaching by Online Tutorial Versus Traditional Hands-On Class](#)

Anna Ercoli Schnitzer, Doreen Bradley, Gurpreet K. Rana, and Patricia W. Martin. Taubman Medical Library, University of Michigan, Ann Arbor, Michigan

[Consumer Health Information: A Hospital Library and Public Library Collaboration](#)

Charlotte Sievert, Medical Librarian. Morris Medical Library, Barberton Citizens Hospital, Barberton, Ohio

[I Don't Mind Collaborating, It's Working with Others I Hate: The Archimedes Community – IAIMS Planning Evolves in Louisville.](#)

Elizabeth M. Smigielski, Coordinator of Library Marketing; Judith L. Wulff, Archimedes Project Manager. Kornhauser Health Sciences Library, University of Louisville, Louisville, Kentucky

[Practical Approaches to Ongoing Changes in Scientific Journal Publishing](#)

Edith Starbuck, Information Services Librarian; Jane Thompson, Journals Collection Development Librarian. U. Cincinnati Medical Center, Academic Information Technology & Libraries (AIT&L), Cincinnati, Ohio

[Experiences and Observations of Bibliographic Management Software Use and Training](#)

Sunny Worel, Assistant Librarian; Melissa Rethlefsen, Library Assistant. Bio-Medical Library, University of Minnesota, Minneapolis, Minnesota

## [Posters](#)

[Library Information Packets: Outreach to Graduates and Residents](#)

Michel Atlas, Gary Freiburger. Kornhauser Health Sciences Library, University of Louisville/Arizona Health Sciences Library, U AZ. Louisville, Kentucky

[Location, Location, Location or Change Can be Fantastic or What a Difference a Year Can Make](#)

Linda Backus. Medical College of Wisconsin Libraries. Milwaukee, WI

[Consumer Health and Medical Education: The University of Wisconsin-Madison Health Sciences Library Experience](#)

Andrea Ball, Natalie Norcross, Brian Beecher, Gerri Wanserski, Tammy Mays, Maria Fracchia. Health Sciences Libraries, University of Wisconsin – Madison. Madison, WI

[Migrating to Ovid Online: An Opportunity for Promotion of Library Services](#)

Pamela Barnard, Jim Beattie, Jim Bulger, Betsy Moore, Cynthia Robinson, Robert Schornstein, Sam Carey. Allina Health System. Minneapolis, MN

[The Planning and Designing of a New Library in a New Hospital in a New Century](#)

Mary Bayorgeon. Affinity Health Systems. Appleton, WI

[A Function Study as a Tool in Setting Work Priorities and Refining Job Descriptions](#)

Mary Blackwelder, Dick Carr. Medical College of Wisconsin Libraries. Milwaukee, WI

[Project Management: A Way to Look at Expanding Roles and "Other Related Duties as Assigned"](#)

Kirsten P. Fredericks. Wishard Health Services. Indianapolis, IN

[HealthInfoReach: A Partnership for Finding Quality Consumer Health Information on the Internet](#)

Karen Hanus, Linda LeMahieu, Rita Sieracki, Mary Blackwelder, Medical College of Wisconsin Libraries; Shawn Duffy, Mary Mulroy, Wauwatosa Public Library; Beth Arnott, Roberta Boruta, Irene Hughey, Bridget Killberg, School of Information Studies, University of Wisconsin-

Milwaukee. Milwaukee, WI

[Illinois Rural Health Network: A Collaborative Approach to Training Rural Physicians and Public Health Workers](#)

Sue Hollander. UIC Library of the Health Sciences – Rockford. Rockford, IL

[Roots and Wings for End Users](#)

Stephanie Kerns, Mary Gillaspay. Galter Health Sciences Library / Northwestern Memorial Hospital. Chicago, IL

[Newsbase: A Corporate Information Center-Produced, Electronically-Delivered Insurance Industry Monitor](#)

Joyce Madsen. Corporate Information center, Northwestern Mutual Life. Milwaukee, WI

[A Unique Approach to Evidence-Based Medicine \(EBM\) in a Community Setting](#)

Norman Paradise, Nancy O'Brien, James Hopkins, Edward Bell, Paula Whannell, Mary Wegner. Iowa Methodist/Iowa Lutheran/Blank Children's Hospital. Des Moines, IA

[HealthInfoIowa](#)

Pam Rees. State Library of Iowa. Des Moines, IA

[Laying the Foundation for the Health SmartLibrary](#)

James Shedlock, Linda Walton, Steve Hunt, Brian Lauer, Jon Handler, Michael Gillam. Galter Health Sciences Library, Northwestern University. Chicago, IL

[Frequency and Reliability of Internet Citations in the Health Sciences Literature: Results of a Pilot Study](#)

Sheryl Stevens. Raymon H. Mulford Library, Medical College of Ohio. Toledo, OH

[Library Construction and Remodeling: Changing Collections and Librarian Roles and Changes in Buildings](#)

Nancy Utterback. Kornhauser Health Sciences Library, University of Louisville. Louisville, KY

[Identity Crisis: Metamorphosis of an Image](#)

Jane Walczak, Linda Backus, Julie Gores, Jeff Hagedorn, Linda LeMahieu, Deborah Ruck. Medical College of Wisconsin Libraries. Milwaukee, WI

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## Great News

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### What's New in the Greater Midwest Region

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#### Personnel

##### **Associate Director:**

We at the GMR would like to bid a fond farewell to Jean Sayre. Jean has been the Associate Director of the GMR for the past five years. Jean says she really has enjoyed working with the great librarians in the NN/LM Greatest Region, and with the terrific and talented staff at the GMR office and the UIC Library of the Health Sciences. Jean will be staying in the Region as the new Director of the Hardin Health Sciences Library at the University of Iowa. She begins her position there in January.

##### **Communications and Outreach Coordinator:**

Stephanie Weldon has taken a position with the Mid-Continental Region. She will be working at the University of Colorado, Denison Medical Library as the Consumer Health Coordinator. Stephanie has enjoyed working with librarians throughout the Greater Midwest Region and is pleased to be staying within the NN/LM system. She looks forward to seeing you at MLA in Dallas. Stephanie begins her position at the University of Colorado in December.

The GMR is pleased to announce that the following positions have been filled:

##### **Education and Outreach Coordinator:**

Beth Carlin has accepted the position of Education and Outreach Coordinator. Beth was previously Network Coordinator for the MidContinental Region at the University of Nebraska in Omaha. Beth brings with her a wealth of experience and new ideas to share with our region. She will be the liaison to the state of Ohio and in charge of exhibits and education in the region.

**Budget Analyst:**

Syed Hussain joined the office as temporary budget analyst. Syed previously worked for Deutsche Bank and has a degree in business administration. Syed will ensure that all expenses are within budget, evaluate contracts and assist in preparation of budgets.

**Customer Service Representative:**

Angel Johnson joined the office as a customer service representative. She previously worked at UIC in the Out Care Patient Clinic. She is the first line of contact for members calling the office. She is fulfilling lending library requests and DOCLINE hold requests in addition to many other responsibilities.

**GMR Staff Members**

Susan Jacobson ([sjake@uic.edu](mailto:sjake@uic.edu)) Director  
Beth Carlin ([bethgc@uic.edu](mailto:bethgc@uic.edu)) Education and Outreach Coordinator  
Tammy Mays ([tmays@uic.edu](mailto:tmays@uic.edu)) Consumer Health Coordinator  
Charniel McDaniels ([mcdaniel@uic.edu](mailto:mcdaniel@uic.edu)) Network Coordinator  
Chris Shaffer ([shaffer@uic.edu](mailto:shaffer@uic.edu)) Technology Coordinator  
Stephanie Weldon ([weldon@uic.edu](mailto:weldon@uic.edu)) Communications and Outreach Coordinator  
Deneen Wynn ([deneenw@uic.edu](mailto:deneenw@uic.edu)) Departmental Services Supervisor  
Angel Johnson ([angjohn@uic.edu](mailto:angjohn@uic.edu)) Customer Service Representative  
Syed Hussain ([sayed@uic.edu](mailto:sayed@uic.edu)) Budget Analyst  
Office email: [gmr@uic.edu](mailto:gmr@uic.edu)  
Office phone: 800-338-7657 (within the region) or 312-996-2464  
Office fax: 312-996-2226, Office Web site: [nmlm.gov/gmr/](http://nmlm.gov/gmr/)

**NLM System Update****PubMed ([pubmed.gov](http://pubmed.gov))**

The Books database has three searchable books. The sort feature is available on all search result pages. Sort by author, journal or pub date. A link to PubMed Central was added to the PubMed sidebar under related resources. A title search box was added to the single citation matcher.

**NLM Gateway ([gateway.nlm.nih.gov](http://gateway.nlm.nih.gov))**

The Gateway is the only search interface for Meeting Abstracts, Old MEDLINE and HSR Proj. The Gateway provides "one-stop searching" for many of NLM's information resources or databases. Databases searchable via the Gateway include: MEDLINE, OLDMEDLINE, LOCATORplus, HSRProj, MEDLINEplus, DIRLINE and Meeting abstracts from AIDS, HSR, and Spaceline.

**Linkout ([nmlm.gov/libinfo/ejournals/linkout](http://nmlm.gov/libinfo/ejournals/linkout))**

A new step-by-step guide to implement LinkOut is available through the NN/LM web site. LinkOut provides a biomedical library the ability to link its patrons from a PubMed citation directly to the full-text of an article after a library submits its electronic holdings data to NCBI.

**Resource Sharing****DOCLINE ([docline.gov](http://docline.gov))**

Update your DOCUSER information regularly as librarians use DOCUSER to find information about your library.

DOCLINE New Release ([www.nlm.nih.gov/docline/](http://www.nlm.nih.gov/docline/))

DOCLINE 1.2 was released in May 2001. Release 1.3 is planned for this fall. Several of the key enhancements are listed below. NLM is continuing to make DOCLINE work better for you.

### Loansome Doc - For the Loansome Doc User

"Status of Requests" has been enhanced to allow the requester to view the status of all requests, including those transferred into DOCLINE by the "Ordering Library."

### DOCLINE - For Loansome Doc Libraries

In DOCLINE, there is a new message link on the HOME Page for filled LD transfers where the address is "ship-to-patron". Selecting the link displays the item(s) in Status/Cancel. Status/Cancel (Requests)

- Lenders can view requests filled by them.
- Libraries can view and search requests for up to 40 days.

### Help

- The Contact NLM web page includes Resource Links and four separate forms to: Ask a Question, Report a Problem, Send Comments, or Request an Enhancement.
- A Contact RML feature has been added. This web page allows libraries to send email messages to their Regional Medical Library from within DOCLINE.

### DOCUSER Can

Libraries can change contact information, post ILL charges and submit changes in their routing tables.

In addition to more accessible records, DOCUSER allows you to record the services of your institution.

For instance, you can identify your institution as having a Consumer Health collection. Take a look at your DOCUSER record and see what it says about your library.

DOCUSER allows you to search for libraries with special features.

Find Libraries That	Use parameter	Use the field	Yields a pop-up box
Belong to FreeShare	Search in:	Library Group Code	Choose "FreeShare"
Have a Consumer Health Collection	Only If:	Consumer Health Collection	
Are LD providers	Only If:	Loansome Doc Library	

## Outreach and Education

### Training and Demonstrations ([nmlm.gov/train/](http://nmlm.gov/train/))

The GMR continues to provide training sessions throughout the region for librarians and health professionals. The following courses are offered: "Making PubMed Work For You" (MLA CE 2.5 or 3.5 hours), "Health Resources on the Internet" (MLA CE 2 and 4 hours), "DOCLINE" (MLA CE 2.5 hours) and "Consumer Health Information" (MLA CE 4 and 2.5 hours). Contact the GMR at [gmr@uic.edu](mailto:gmr@uic.edu) to schedule.

The National Training Center and Clearinghouse (NTTC) offers three courses throughout the country ([n.nlm.gov/mar/online/schedule.html](http://n.nlm.gov/mar/online/schedule.html))

- "Introduction to Web-Based Searching for the Librarian and Information Specialist: Using PubMed a two day class designed for individuals new to searching MEDLINE.
- "Keeping Up with NLM's PubMed," a class designed for the NLM searcher who has been searching the PubMed system but would like a refresher or an update on the changes.
- "TOXNET on the Web," a one-day class designed to convey the basics of searching NLM's TOXNET, a Web-based system of databases in the areas of toxicology, environmental health, and related subjects.

### **National Exhibits**

The GMR office assists NLM by exhibiting at conferences sponsored by national associations for healthcare professionals. 2001 Fall exhibits include:

#### **October**

Midwest Chapter, MLA, (Oct. 5 - 9, 2001) Milwaukee, WI

American College of Emergency Physicians (Oct. 15 - 18, 2001) Chicago, IL

#### **November**

Gerontological Society of America (Nov. 14 - 18, 2001) Chicago, IL

Radiological Society of North America (Nov. 25 - 30, 2001) Chicago, IL

Librarians interested in helping staff exhibits should contact the GMR ([gmr@uic.edu](mailto:gmr@uic.edu)).

### **Regional Exhibits**

The GMR office has two tabletop exhibits available for loan to librarians in the region who wish to promote NLM and their library services. The GMR office can also supply promotional materials regarding NLM services including PubMed. Exhibiting enables local librarians to meet with specific clients in their own area to promote the services and resources of their own institutions, as well as those of the NLM. Funding opportunities for librarians to exhibit at health professional meetings are available from the GMR. Contact the GMR at [gmr@uic.edu](mailto:gmr@uic.edu) if you are interested in applying for this funding.

### **Outreach Subcontracts**

- The University of Illinois was awarded The Health Information Outreach Subcontract entitled Chicago Urban Health Outreach Project.
- The Iowa City Public City Library was awarded The Access to Electronic Health Information for the Public Subcontract entitled Expanding Access to Consumer Health Resources.
- Additional subcontracts will be awarded later this Fall. These subcontracts enable the GMR to meet the mission of reaching populations throughout the region. They also enable libraries within the GMR to expand their outreach capabilities and serve their local constituencies.

### **Consumer Health**

#### **MEDLINEplus ([medlineplus.gov](http://medlineplus.gov))**

Directories: Did you know that you could search for a physician by name or medical specialty in MEDLINEplus? Click on Directories and select the AMA Physician Select: Online Doctor Finder

link which allows you to search for basic professional information on virtually every licensed physician in the U.S. Not only can you locate information about a physician in the Directories resource you can also search for a chiropractor, dentist, podiatrist and much, much more!

Sign up for Weekly Announcements: You will receive news about resources and health topics. Find out more at <http://www.nlm.nih.gov/medlineplus/listserv.html>

Other Resources: Include your consumer health library web site in MEDLINEplus. Send information about your library to the "We welcome your comments" link on MEDLINEplus. [www.nlm.nih.gov/medlineplus/libraries.html](http://www.nlm.nih.gov/medlineplus/libraries.html)

Publications: Order free, easy to read consumer health publications. Links to these publications are available from MEDLINEplus. [www.nlm.nih.gov/medlineplus/publicationsontheweb.html](http://www.nlm.nih.gov/medlineplus/publicationsontheweb.html)

## Network Structure

### Directory on the Web ([nmlm.gov/members/](http://nmlm.gov/members/))

Network members can search for phone numbers, email addresses and other information about member libraries.

### State and Chapter Meetings

GMR staff will be attending several state health sciences library association and state library association meetings this Fall. The schedule includes the Ohio Health Science Library Association, Kentucky Library Association, Minnesota Library Association, North Dakota Health Sciences Information Section and Iowa Library Association Health Sciences Roundtable, Michigan Health Science Association and South Dakota Library Association. GMR staff will be teaching, presenting GMR updates and exhibiting at these meetings. If your state association would be interested in having GMR staff attend, please contact the GMR office.

### Site Visits to Network Member Institutions

The GMR staff is committed to visiting network member institutions throughout the region. Efforts are made to visit institutions while attending state meetings, training sessions, or by request. If you would like the GMR staff to visit your institution, please call your state contact librarian at 1-800-338-7657 or email [gmr@uic.edu](mailto:gmr@uic.edu).

## Communication

### GMR Email [gmr@uic.edu](mailto:gmr@uic.edu)

If you do not know your state contact librarian's name or email address, send a message to the above address and the appropriate librarian will respond.

### GMR Email Discussion Group

The GMR maintains GMRLIST to provide a discussion forum for network members, and to make important NLM announcements and provide information on upcoming programs or events. The GMR encourages librarians to subscribe. Send an email to ([listserv@uic.edu](mailto:listserv@uic.edu)). In the body of the message, type (without the quotes): "subscribe gmrlist Your Name". Delete or cancel your signature file before sending the message.

### GMR Hosts Email Discussion Groups and Web Sites

The GMR currently hosts many email discussion groups, including the Wisconsin Health Sciences Library Association, the Metropolitan Consortium, Kentucky Area Health Education Center Libraries, Midwest Chapter/MLA, and HealthWeb. An email discussion group is an excellent method for keeping group members updated on meetings, concerns, and changes within the group structure. The GMR also hosts the web sites of groups including the Midwest Chapter/MLA and the Health Sciences Librarians of Illinois. The GMR staff can assist with web site design, web address (DNS) registration, and more. The GMR would be happy to host an email discussion group or web site for your consortium, state association, or local group.

### **GMR Newsletter - E Sources [nnlm.gov/gmr/newsletter/](http://nnlm.gov/gmr/newsletter/)**

E Sources offers many opportunities for members of the GMR to get involved and show off their library. Read E Sources to find out about what libraries are doing in the Great States section and about innovative members in the Great Members section.

If you are interested in sharing an important project or idea with your GMR colleagues, submit your idea online via E Sources at <http://nnlm.gov/gmr/newsletter/submissions.html>

## **Regional Advisory Council**

There are five RAC committees, which provide assessment, program development, and evaluation of GMR programs in the areas of communication, consumer health, education, resource sharing, and technology.

Find out who is representing you on the RAC at [nnlm.gov/gmr/rac/rosters.html](http://nnlm.gov/gmr/rac/rosters.html)

Read meeting minutes at [nnlm.gov/gmr/rac/reports.html](http://nnlm.gov/gmr/rac/reports.html)

## **Highlights**

### **[Board](#)**

The Board met on July 20, 2001 and discussed ways in which the various committees could help the GMR to implement its contract with NLM over the next five years. The committee also discussed various ways to evaluate the GMR and its programs.

### **[Communication Committee](#)**

The committee met on September 6, 2001 and is working to develop state profiles. These profiles will help the GMR to contact consumers, health professionals and librarians throughout the region.

### **[Consumer Health Committee](#)**

The committee met on August 14, 2001 and provided ideas on how to reach consumers throughout the region.

### **[Education Committee](#)**

The committee met on August 29, 2001 and is working on ways to provide health information to residents within the 10 state region.

### **[Resource Sharing Committee](#)**

The committee met on September 10, 2001 and is working to identify viable pathways for network members to deliver documents.

### [Technology Committee](#)

The committee met on August 13, 2001 and is working on technology articles to place in state medical newsletters for health professionals.

### **GMR Funding Awards**

Apply for the Public Health Network Models Subcontract. The CDC Information Center and the NN/LM GMR jointly fund this project. Up to \$50,000 is available. A minimum of one subcontract will be funded in 2001/2002. Proposals not funded may be resubmitted in subsequent years. Proposals are due November 30, 2001. Awards will be announced on or before February 1, 2002. [nnlm.gov/gmr/funding/ph/rfp.html](http://nnlm.gov/gmr/funding/ph/rfp.html).

The GMR provides funding for the Connections Award, the Technology Awareness Award, the GMR Professional Development Award, and the Training Award. Become informed about these funding opportunities so that you will be able to apply for the 2002 awards. [nnlm.gov/gmr/funding/](http://nnlm.gov/gmr/funding/).

The Exhibit Award and the Library Improvement Program are ongoing sources of funding. Feel free to apply for these awards throughout the contract. [nnlm.gov/gmr/funding/current.html](http://nnlm.gov/gmr/funding/current.html)

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[NN/LM Web Team](#) | Revised: November 13, 2001  
<http://nnlm.gov/gmr/newsletter/2/greatnews.html>



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## Great States

October - December 2001 no.2

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Great States is a regular feature of *E Sources*.

[Find out when your state will be featured in the newsletter.](#) Reminders will be posted on state email lists.

### [The State of Illinois](#)

#### Resource and Outreach Libraries

- [Loyola University](#)
- [Midwestern University](#)
- [Northwestern University](#)
- [Rush University](#)
- [The University of Chicago](#)
- [The University of Illinois at Chicago](#)

#### Highlighted Medical Libraries

- [Elmhurst Memorial Hospital](#)
  - [Capital Area Consortium](#)
  - [Illinois College of Optometry](#)
  - [OSF Saint Francis Medical Center Library & Resource Center](#)
  - [Swedish American Hospital](#)
- 

### [Loyola University Health Sciences Library](#)

#### Resources and Grants Highlight Innovation at Loyola

Logan Ludwig  
Director  
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The Loyola University Health Sciences Library's mission is to support the educational, research and clinical service functions of Loyola University Health System and to serve as a healthcare information resource for the University, the Chicago healthcare community and beyond. The library's print collections total nearly 190,000 volumes, including:

- Approximately 2,000 current print journal subscriptions and nearly 5,000 total subscriptions to journals, newspapers and periodicals
- Nearly 60,000 book titles The print collection is supplemented by electronic reference materials and computer-based bibliographic retrieval systems including:
- OIVD Biomedical databases including Medline, Current Contents, PsychInfo, Biological Abstracts, AMED, Cochrane, ACP Journal Club, DARE, aSportsDiscus, CINAHL (nursing and allied health), Bioethics, HEALTH (helath planning and administration).
- Web of Science Citation Databases.
- MD Consult
- Ebsco Host which includes Academic Elite and Health Business
- A Consumer Health Information Kiosk
- Access to over 1,000 electronic full-text healthcare journal titles and 60 electronic full-text medical book titles

Pegasus, Loyola libraries' automated library system, provides access to over 1 million items held by Loyola libraries and contains the following:

- On-line card catalog searchable by keyword, title, author, and subject
- Citations to periodical articles in Social Science Index, Humanities Index, Business Periodicals Index,
- MEDLINE database (indices/abstracts for a wide range of biomedical journals, including clinical and preclinical medicine, dentistry, nursing, veterinary medicine, population studies, etc.; full coverage of all languages 1966 to present)

The Learning Resources Center (LRC) collects a variety of medical media programs and has an in-house collection of over 1,200 titles.

Telehealth and Videoconferencing Services provide access to a variety of ongoing satellite and two-way fully interactive national videoconferences.

The Library staff serve as investigators or principal investigators on a number of knowledge management grants, including:

- A NN/LM GMR Access to Electronic Health Information for the Public grant to provide consumer health education through the satellite model, with a centralized academic medical center library and dispersed primary care centers and telemedicine sites in coordination with six public libraries.
- A USDA Distance Learning and Telemedicine grant to create an Illinois Rural Telehealth Alliance [IRTA] providing urban based educational and health care resources available from Loyola University Health System and the Rehabilitation Institute of Chicago to five Southern Illinois Healthcare sites serving a 32 county-wide area.
- A \$1 million HRSA advanced education nursing grant to address the increased challenges in healthcare organizations by developing an innovative graduate nursing educational program to prepare nurses for advanced practice by combining core administration concepts and theories with advanced preparation in either healthcare informatics or outcome performance

management theories and methods. The program builds on existing linkages with the Center for Clinical Effectiveness, the Graduate School of Business and numerous community agencies.

- A Integrated Advanced Information Systems (IAIMS) grant to develop a plan for the integration of information required for a system-wide performance management system. Its intent is to bring together in an integrated electronic environment, the clinical, research, educational and administrative information and clinical services data elements needed to support a geographically dispersed, integrated health care system. Our long-term vision is that select data from key databases (currently fragmented and isolated) will be integrated into an open architecture data warehouse to be used for continuous analysis and improvement of the patient care, research and education activities of LUHS.

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## [Midwestern University-Midwestern University Library](#)

### **The Jewel in the Crown**

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Downers Grove, IL 60515  
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Midwestern University is a national leader in providing quality programs that focus solely on health care education. The University has two comprehensive campuses-one in Downers Grove, Illinois and the other in Glendale, Arizona. Each campus has colleges of osteopathic medicine, pharmacy and health sciences. Midwestern University is committed to the osteopathic approach to holistic patient care and health care education. Because the university defines itself as one academic community, students from the various colleges attend classes together. Team-based integrated learning is the foundation of all educational programs.

The Midwestern University culture has defined the nature of library programs and services. The libraries of Midwestern University function as one system. The University Librarian is responsible for the libraries on both academic campuses and the library at its primary affiliated hospital, St. James Hospitals and Health Centers-Olympia Fields Campus. Collection development is a system-wide process. Each academic campus library has a core collection of both monographs and journals. In addition, each campus has areas of excellence within the collection. With the opening of the new library, a change was made in the journal retention policy. The library has adopted a fifteen- year rolling journal collection policy. A set of 195 core journal titles will be kept in their entirety. The Ariel system is used for rapid transmission of photocopies between the campuses.

The Midwestern University Library in Downers Grove, IL entered the new millennium with the opening of a new library facility. The library is the first building that you see as you drive into the campus. It is a two-story building with glass walls on three sides. Besides providing extensive natural lighting, the glass walls give great views of the campus. The library is adjacent to the new auditorium, which is used for large group lectures. The auditorium can be divided into five separate sections. Each section has its own electronic podium and control booth. The number of sections

used depends on the class size. The library and the auditorium share common entrances, a central atrium and corridors. Since students have many of their classes in the auditorium, the library is extremely convenient for them.

The first floor of the library has the Circulation/Reserves Desk, the Reference Desk, the Electronic Reference area, the Computer Lab, 5 group study rooms, the monographic collection and all library offices and workspace. The second floor houses the Document Delivery office, nine group study rooms, study carrels, study tables and the journal collection. The key features of the new library are:

- 61,300 gross square feet
- Seating for 409 patrons in four different configurations: tables for one, individual study carrels, tables for four, and group study rooms
- 14 group study rooms
- 24 hour study room with an adjacent lounge with vending machines and restrooms
- Computer lab with 38 workstations, a viewing room and a group study room
- Computer classroom with 10 workstations for small group instruction
- Electronic reference area with 20 workstations
- OPAC stations on both floors
- Public copy areas on both floors
- Ward Perrin Medical History Collection Room with exhibit cases and cabinets to house rare books and artifacts
- Outdoor and indoor book drops

The move to the new library facility created the opportunity to review the library's educational program. The availability of both a large computer lab and a small computer classroom enables the librarians to become more actively involved in the curriculum of the various colleges. The philosophical foundation for the new educational program is life-long learning skills. The goal for each program offering is the development of skills that will be used in the clerkship years, residencies, and in future practice. Whenever possible the educational program is centered on a web-based product that the students will have access to outside the university setting. Emphasis is also placed on concepts and process rather than on mastery of the details of sophisticated searching. A new element in the library's instructional program is a Faculty Series. This program includes shorter presentations that are available in a variety of settings-in the library computer classroom, in an office, in a conference room etc. These programs help the faculty update their computer skills and often result in greater utilization of computer resources within the curriculum. The next addition to the library educational program will be presentations for alumni.

The new library facility was opened in August, 2001. It's been a great success. Students love the group study rooms and the availability of computers. The faculty are using the computer lab as a teaching facility for course-specific computer or web-based resources. The staff enjoys the up-to-date offices, equipment, and furniture. The library is truly the jewel in Midwestern University's crown.

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## [Northwestern University, Galter Health Sciences Library](#)

### **The Health SmartLibrary: Putting the Smart in Library Services**

James Shedlock, A.L.M.S., Director  
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The goal of using information technologies is to do things smarter. That means either to do something faster, or make something happen more efficiently or even to do something that was never possible before a technology became available. This is the goal behind the development of the Health SmartLibrary (HSL) at Northwestern University: to make library and information services happen faster and more efficiently -- to be smarter than they were before.

The HSL concentrates on five unique projects that will develop into smarter services for users. The key here is to make something happen for users. Consequently, the focus of the HSL is clinicians: busy people who need information fast at their point of need.

### **The five projects are:**

- **Creating a smarter My Library**-- Building on the trend toward more and more web personalization, the HSL will allow the user to build his or her own personal library. This is the same as any My Library feature. However, to make it smarter, the HSL will ask the user for their subject interests in a profile form. This form will then be used to create a HSL library for them. In a separate internal database (using Microsoft Access) subject interests will be matched against the appropriate local or web resource. For example, if a user marks their profile as a cardiologist, their HSL will include MEDLINE, important fulltext journals like American Journal of Cardiology and others that are locally available, XXX textbook and key resources from HealthWeb Cardiology. In other words, the user only has to declare their interests once, and the smarter library acts on their behalf and pulls out the most important subject and discipline resources from the whole collection at the Galter Library.
- **Crafting a metasearch engine** -- As electronic libraries grow, trying to find the right information resource becomes more difficult. The user is given access to hundreds of electronic journals, a growing collection of e-books and, thanks to consortium pricing and resource sharing, many more databases than previously owned by the health sciences library. Sure, searching MEDLINE narrows the choice and likely answers the clinicians' primary information need. But MEDLINE needs the complimentary assistance of other resources, and one way to locate a focused piece of information is through the HSL's metasearch engine. Working with various publishers, the metasearch engine will use keywords supplied by the user and then tell the clinician which resource likely holds content that matches the keyword search. Two points are critical here: the search engine works against local resources, so the user knows the library will have the information identified by the metasearch engine; and the metasearch engine only works as well as the relationship between the developers and the publisher. Without access to the publisher's index, the metasearch engine will not be very effective.
- **Providing a better alert system for accessing new, scholarly literature** -- SDIs as a library service have been around for decades, certainly since the dawn of online searching. The HSL attempts to make this service smarter than it has been. Using the primary concept of the user profile, and following the service plan in the original SDI concept, users identify their topical interests and the HSL takes over. Searches will be of two types: a highly specific search to match the user's precise interests and a generic search that matches the user's general interest. Both types will deliver the search as well as the article to the user. By linking search results to

key articles, the current awareness service is smarter than before by pushing the actual literature -- not the citation -- directly to the user's email address. Here, the HSL attempts to meet the user's information need before they even express. Another nice feature of the new current awareness service is that it shows off the librarian's ability to quality filter the literature on behalf of the user.

- **Developing a personal database system, a pre-organized filing system to store key articles, web publications or citations** -- What is smart in this new service is the HSL's ability to organize in a central location the user's own file of personal information resources whether they be e-journal articles, chapters from e-books, web articles, or whatever digital material the user wants to collect. Another smart feature of the personal database will be some effort to suggest to the user the best way to organize their files. Again, the librarian's skill as the information professional most skilled in organizing the scholarly literature, will be evident through a variety of standard principles.
- **In addition to developing these tools, there are two major goals to accomplish with this grant.** One is to share the tools with others. Our plan is to design the HSL in such a way that it could be 'dropped in place' at another library. The design would be such that a local systems person would adjust the HSL with their local resources and make it as personal for a different set of users. The other goal is to evaluate the HSL to see if making smarter and more efficient tools that deliver information to the point of need makes a difference to the user. Ultimately, we seek to know whether users make better decisions when they have faster, more focused access to quality health information.

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## [Rush University, Rush Library](#)

### Rush Library Develops HIV/AIDS Consumer Web Site

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Associate Director for Information Services  
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The Library of Rush University and the CORE Center of Chicago have collaborated in developing the [CORE Consumer Resources Web site](#) to provide timely and useful information about HIV/AIDS for CORE Center patients and their families.

Although there is a seemingly endless supply of consumer health information on the Internet, most of it has been in English, and at least a tenth grade reading level. The major goal of the grant is to provide low-literacy information and information in Spanish on subjects which CORE Center patients want more information.

The Web site started with CORE patients and Peer Education Advocates selecting topics for the site which they deemed important to their health information needs. CORE Center and Library staff developed a list of reliable and useful Internet sites, both in English and Spanish. Library staff then

evaluated each site for its ease of reading according to the Flesch Reading Ease Scale. "Easy-to-Read" sites were marked with a "smiley" face.

CORE Consumer Resources also features a number of items developed by CORE Center staff, including information sheets on individual medications and articles on how patients can manage their disease. All of the CORE information has been translated into Spanish by a certified medical translator.

Library Director Trudy Gardner served as co-principal investigator of the grant, and Library Webmaster Toby Gibson designed and built the Web site. As part of the grant, Toby also trained CORE Peer Education Advocates in how to use the World Wide Web. The project was partially funded by the National Library of Medicine through a contract (N01-LM-6-3523) with the University of Illinois at Chicago.

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## [The University of Chicago, John Crerar Library](#)

### **SFX: Context Sensitive Reference Linking**

#### [SFX Images](#)

Rebecca Woolbert  
Science Reference Librarian/Biomedical Specialist  
The University of Chicago, John Crerar Library  
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Chicago, IL 60637

Whether you work in a one-person hospital library or a large academic research institution, you know the frustration of trying to manage records for electronic resources. To borrow from the humor often seen in serial departments, "trying to manage electronic resources is like trying to herd cats." When a publisher, vendor, or another staff member changes a URL, there are multiple records in multiple locations that need updating. Then factor in the number of staff involved with cataloging, web management, and proxy server access. In all, managing electronic information and resources is a time consuming affair involving significant staff time and resources.

But what if you could manage your electronic resources easily in one place? What if your users only had to click on one button to access a range of electronic services and options available to them at your Library? And what if your users were presented not with a generic list of options, but a customized list based on the availability of your print and electronic resources? Welcome to SFX.

#### **What is SFX?**

SFX is a linking technology that enables the creation of customized links among various electronic products. These links take the user directly to the content they want, eliminating the need for the two step square dance of writing down a citation and then figuring out where to obtain the article. The University of Chicago has recently purchased a license to this product to provide better management of our resources and improved service to our scholarly community.

## How does SFX work?

Ex Libris contracts with and works with information providers to place the SFX button within their products. SFX speaks in terms of "sources" and "targets." A source, usually an index, is where users begin their search, like Web of Science. A target is any product that the user is directed to after selecting the SFX button and making a selection from the menu of options. See figure 1 for an example of the SFX button within a source like ISI Web of Science.

## What do you mean by a customized menu?

After clicking on the SFX button a separate window is opened, providing the user with a customized menu that can offer a variety of options; the library catalog, full text of an article regardless of which publisher or vendor provides the content, and interlibrary loan or other document delivery services. See figure 2 as an example.

SFX software enables the Library to customize what resources are displayed, down to the article level. For example, if a Library subscribes to the electronic edition of JAMA, SFX will display the ejournal option to this title only if the citation matches the Library's years of coverage for this resource.

## What is the technology behind SFX?

SFX is based on the OpenUrl protocol. The idea behind this standard is that links should lead users directly to appropriate resources. The OpenURL syntax creates web-transportable packages of metadata and/or identifiers, which provides the basis for context-sensitive or open link technology. Additional examples which employ the OpenUrl protocol include PubMed LinkOut, CrossRef, a reference linking collaboration between publishers, and Ovid Technologies JumpStart.

## Where can I find out more information about SFX?

Ex Libris licenses SFX in addition to ALEPH (Automated Library Expandable Program), an integrated library system, and MetaLib, an information portal that provides a standardized user interface. To learn more about SFX go to <http://sfxit.com>.

## Additional Information

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## [The University of Illinois at Chicago, Library of the Health Sciences](#)

### **Evidenced Based Medicine, Outreach, and Collection Development at the University of Illinois**

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The University of Illinois at Chicago Library of the Health Sciences (LHS) is the largest library devoted to health sciences in the Midwest and one of the largest health sciences libraries in the country. LHS serves the faculty, staff, and students of the University of Illinois as well as members of the general public seeking health information. The Library supports the instruction, research, and clinical practice programs at six professional schools: the Colleges of Medicine, Dentistry, Nursing, Applied Health Sciences, Pharmacy and the School of Public Health, as well as the basic science and clinical doctoral programs of the Graduate College. LHS also serves the UIC Hospital and clinics and other affiliated health care institutions.

LHS consists of a central library in Chicago, and three regional site libraries in Peoria, Rockford and Urbana, designed to serve the UIC medical programs in those locations. These libraries house basic collections of clinical journals, recent monographs, and multimedia materials, and provide reference services, instruction, and interlibrary loan services for their users.

The Library's collection includes materials in all the subject fields of interest to the units served. The library holds more than 670,000 volumes, over 7,500 periodical titles and 60,000 audiovisual items. LHS also has a sizable collection of electronic resources, including books, journals, and databases. Additionally, a full range of multi-disciplinary electronic resources is available on the UIC library web site.

The Library of the Health Sciences has been a key partner in UIC's Evidence-Based Medicine (EBM) efforts. For the past three years, faculty in the Department of Medical Education and the Library have co-taught a one-week "Introduction to Evidence-Based Health Care" course as part of the Masters of Health Professions Education program. The class includes both health care and health information professionals; this interdisciplinary approach has made the class an enriching

experience for all participants. Additionally, the Information Services Department at LHS-Chicago has collaborated with the Department of Pediatrics, on a project known as the "clinically answerable question" -- retrieving citations and selecting and evaluating the articles in response to pediatricians questions. LHS is also responsible for the EBM web page on HealthWeb.

UIC has a strong community focus and LHS too, emphasizes outreach. Recent initiatives include:

- "The Chicago Environmental and Public Health Outreach Project" (CEPHOP) an NLM contract to train community representatives to access public and environmental health databases and Internet resources
- "Training Rural Health Professionals to Access NLM Databases", an NLM-funded project to train rural physicians associated with the College of Medicine at Rockford's Rural Medical Education Program as well as public health professionals throughout Illinois to access and search NLM databases and other relevant web sites
- "Information for the Cure" supported by grants from the Susan G. Komen Memorial Affiliate of Peoria, to fund collection development and outreach activities in the area of breast health and cancer

LHS has participated in the NN/LM as a Resource Library since its inception, and has served as the Regional Medical Library for the Greater Midwest Region since 1979. As the RML, LHS is committed to providing for the information needs of health care professionals and health care consumers throughout the Greater Midwest Region.

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## [Elmhurst Memorial Hospital](#)

### **Library Intranet Keeps Hospital Staff Informed**

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Our library intranet page has evolved as great way to keep our organization's employees and medical staff up-to-date. For example, the intranet page lists recent medical articles, the newest CME titles, library databases, Internet links and in light of the tragic events of September 11th, links to websites offering information on trauma and coping with disaster.

We also offer internet training classes in our library which are much appreciated by physicians and employees of the organization.

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## [Capital Area Consortium](#)

### **Better Document Delivery Possible Through Library**

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Distorted documents from a fax machine or fuzzy copies from a copier delivered overnight are a thing of the past, thanks to a grant from the Illinois State Library. A grant of \$93,680 has stepped up the quality of document delivery by providing funds to several Illinois libraries for sophisticated computer software and equipment.

Grant administrator, Betty Lou Hicks, manager of library services for Hanson Engineers Inc., said "Any type of material can be scanned, from a few pages of a specific book to entire journal articles. Using ARIEL, there can be a faster turnaround sending documents."

Hicks wrote the grant proposal on behalf of Hanson and 19 other libraries in Illinois to enable them to scan and send documents through the Internet to users. Hicks also ordered the equipment and software, and presented an orientation to the librarians.

In addition to the technical library at Hanson Engineers, some of the 19 other libraries participating happen to be members of CAC (Capital Area Consortium), and thus health science related libraries. Members of CAC, who were included in the grant were: St. John's Hospital Library in Springfield, Memorial Medical Hospital Library in Springfield, Passavant Hospital Library in Jacksonville, Decatur Memorial Hospital in Decatur, St. Mary's Hospital Library in Decatur, Blessing-Rieman College of Nursing in Quincy, Illinois Environmental Protection Agency Library in Springfield, Illinois Department of Transportation in Springfield, ADM Research Center Library in Decatur, A.E. Staley Manufacturing Company Library in Decatur, Illinois Department of Public Health Training & Resource Library in Springfield, Lincoln Land Community College Library in Springfield, MacMurray College Library in Jacksonville, Millikin University in Decatur, Prevention First in Springfield, Richland Community College in Decatur.

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## [Illinois College of Optometry](#)

### **iBistro Interface Widens Access to Optometric Literature**

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In July, the Illinois College of Optometry installed the iBistro interface for the Sirsi Unicorn library system. We are the first academic library to use the iBistro interface, which displays hot titles, authors and subjects. Students and faculty can renew their own material and check to see what they have checked out.

The greatest benefit to the College is the access to the VisionCite periodical literature. Because optometric literature is not well indexed, (PubMed only has three optometric titles), ICO has created VisionCite. Currently we indexed over 110 journals that we receive in the library for articles related to optometry, ophthalmology, color perception, etc. We have added over 164,000 articles since we started the project in 1984. The iBistro product allows students to search both the regular library collection and the VisionCite collection simultaneously or separately.

Currently, iBistro is only on the internal network. The library is working with the IS department to expand the capabilities to the World Wide Web. VisionCite will be password protected but the ICOLibrary will be open to the public. We will be moving to the 2001 version of iBistro before the end of the year.

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## **[OSF Saint Francis Medical Center Library & Resource Center](#)**

### **PDA Project, Consumer Health Library and New Web Site Keep OSF Jumping**

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The Library & Resource Center at OSF Saint Francis has three important new events that we would like to highlight and share with other librarians in the region.

The first is our new web page linked to above. Previously our website was only available on the hospital's Intranet. The move to the public Internet was prompted due to our second major event, and that is the opening of our new Center for Health Resource Library - a consumer health information service. The Resource Library is part of our new outpatient facility named the Center for Health. It is staffed by a fulltime medical librarian, and offers a collection of books, newsletters, videos and pamphlets, Internet access, and reference services. The Library is open from 8:00 am - 4:30 pm, Monday through Friday.

Thirdly, we are working on an exciting new project with our Department of Medicine, and the Library of Health Sciences- Peoria, on loaning PDA's and software modules. We have 6 Handspring Visors for checkout, along with 2 software modules - Harrison's Internal Medicine Companion, and the complete 5 Minute Clinical Consult. Library staff provides an orientation to the use of the PDA,

as well as software and hot syncing support. This project has been a great learning experience, as well as providing us with an opportunity to highlight our services and technology to the medical staff and residents. We have also done presentations to our pharmacy staff, and will be working with our nursing personnel as well. For more information on this project, visit our website at <http://library.osfsaintfrancis.org/pda.htm>.

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## [Swedish American Hospital](#)

### **The Ups and Downs of 2001 in an Illinois Hospital Library**

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#### **GOOD things happening:**

- Hospital network extended to clinics so physicians can use library licensed MDConsult.
- Library will teach a "Beyond Surfing" web class for staff.
- No reductions in library staffing.
- Library supporting patient education.
- Librarian manages health system CRS license and training.
- Librarian is co-chair of patient/family education committee and of the JCAHO accreditation compliance team for the Education Standard.
- Librarian & new acting VP for Patient Services presented proposal for centralized Patient/Family Resource Center.
- Our book catalog is finally online via our library system's LLSAP. Much appreciated ILLINET provided FirstSearch databases.
- Heavy use of four web connected PCs in the library for patron use.
- Freeshare and LVIS!
- Health System web site has some links to outside resources (for consumers).
- Library staff participated in some management development training offered by the health system.
- Excellent relations with academic health center. We are a teaching site for their students & residents.
- HSLI, Midwest and CAPHIS listservs have all been extremely helpful.

#### **LESS GOOD things happening:**

- Materials budget cut for second ...third year in a row.
- Fewer physicians and staff are contacting the library for resources. They are getting what they need from Internet!
- The library computers are used for e-mail, the stock market, and other personal use.
- Now that people do Internet searching, they seem to think they don't need a library anymore.
- When we are asked for help, we may not have what they want because our budget was cut!

- Health System has no Intranet. We have no opportunity to provide web page links to resources.
- Health System web site is geared completely toward marketing to consumers. The library suggested a few links to general information resources. They are so deeply hidden; no one can find them!
- Expanded Patient/Family Resource Center was NOT included in new hospital remodeling plan.
- A Women's Resource Center is being developed instead, which the library will support.
- Library is currently near the hospital main entrance but after remodeling, we will be near the back door!
- Librarian is falling WAY behind in professional skills.

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