

## E-BIOMED: SOLUTION OR ANOTHER PROBLEM?

*James Shedlock, A.M.L.S., Director, j-shedlock@nwu.edu*

As users may have read in the science press, E-Biomed is a "proposal for a new system of electronic publishing," an effort now promoted by Dr. Harold Varmus, Director of the National Institutes of Health. For many reasons, the E-Biomed proposal is generating lots of response: some heralding it as a welcome revolution, others appreciating the proposal as a means of calling attention to serious problems in biomedical communication, and still others likening E-Biomed to the end of journals as we know them. You can see the draft proposal as well as the numerous comments at : <<http://www.nih.gov/welcome/director/ebiomed/ebiomed.htm>>

In its simplest form, E-Biomed proposes "a system for electronic publication of new results and ideas in the biomedical sciences." The proposal believes that electronic publishing "can accelerate the dissemination of information, enrich the reading experience, deepen discussions among scientists, reduce frustrations with traditional mechanisms for publication, and save substantial sums of public and private money."

E-Biomed would accept articles via two routes. One route uses traditional editorial boards employing standard peer review. "These boards could be identical to those that represent current print journals or they might be composed of members of scientific societies or other groups approved by the E-Biomed Governing Board." The other route accepts articles immediately after the author receives endorsement by at least two peers and is screened "for appropriateness." "Criteria for approval of reports must be sufficiently firm to guard against gross abuse of the E-Biomed repository, but sufficiently flexible to permit rapid posting of virtually any legitimate work. At any time thereafter, the authors would be free to solicit review and endorsement from a specific editorial board as a means to provide greater prestige and visibility to a paper. Alternatively, interest in such reports could be enhanced by attaching to them informative commentaries written by other investigators."

What is the impact of the future E-Biomed on libraries? As suggested in the comments on the proposal's web site, many see E-Biomed as an end of journals as we know them. Does that automatically mean the end of libraries? I doubt it. One of the major lapses in the proposal is any recognition of preservation issues and the costs associated with the archival role. If nothing else, libraries serve society well by preserving the best information for future knowledge creation. It is conceivable that articles appearing on E-Biomed would make their way into compilations or other packages that libraries would likely collect and disseminate to users.

Besides preservation, librarians would conceivably assist Northwestern authors in prepping their articles for deposit in E-Biomed. Since a missing component of the E-Biomed proposal is how it would be organized, we could apply our expertise in the indexing and cataloging of articles to aid faster identification and retrieval in what could easily become a very huge database. Another role for librarians in E-Biomed would be educating users how best to retrieve information from the archive. In this way too, librarians serve as promoters of this proposed database.

Overall, the E-Biomed proposal is very exciting. It serves the very useful purpose of examining how best to communicate biomedical discovery in the age of the Internet and the Web. E-Biomed also brings attention to the very real problems of libraries and their supporting institutions, namely how to afford the existing system of biomedical communication that relies too heavily on commercial scientific publishing.

We encourage our users to review the E-Biomed proposal and share their thoughts about its potential or about the necessary cautions that should be addressed before E-Biomed becomes the real thing. 

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## WEB OF SCIENCE: THE ELECTRONIC CITATION INDEX

*June Carter, M.L.I.S., Reference Librarian, j-carter@nwu.edu*

For those who have ever had to labor through the print volumes of *Science Citation Index*, *Web of Science* is no less than a miracle of modern technology. Produced by ISI (Institute for Scientific Information), *Web of Science* is the Web interface to the information found not only in *Science Citation Index*, but also *Social Sciences Citation Index* and *Arts & Humanities Citation Index*. Any combination of the three databases may be selected for searching. ISI is also the producer of *Current Contents* and *Journal Citation Reports*.

The portion of *Web of Science* most likely to be important in a health sciences setting is *Science Citation Index* (SCI). SCI indexes 5,300 major journals across 164 scientific disciplines, averaging 17,000 new articles per week. Some of the disciplines covered include biochemistry, biology, biotechnology, chemistry, materials science, medicine, neuroscience, oncology, pediatrics, pharmacology, psychiatry and surgery.

*Social Sciences Citation Index* may also be useful to the health sciences community. In this part of *Web of Science*, 1,700 journals are indexed over 50 disciplines, as well as selected relevant items from over 3,300 scientific and technical journals. Some of the disciplines covered include information science, psychology, psychiatry, public health, social issues and substance abuse. On average, 2,800 new articles are added per week.

The feature most unique to ISI's citation indexes is the ability to track cited references. One may search for articles that have cited particular articles. A cited reference search will allow you to find out who is citing your research or other research of interest. It will also allow you to follow the path of an idea or method through the literature via the cited reference.

Although it does not use a standard subject index, such as MeSH is used with MEDLINE, *Web of Science* may also be used to search for articles by keywords, authors, journal title or institutional affiliation. This is referred to as a general search. For each article reference you find, you may view a list of citations that are found in that article. If other articles have cited the article, there will also be a hypertext link to references for those articles. Searches may be limited to particular years, languages and document types such as review or correction. Results may be sorted by date, first author, publication title, relevance or times cited.

Another useful feature in *Web of Science* is the ability to compare an article with other articles in the database based on the similarity of their citations. By clicking on the hypertext-linked words "related records" while viewing a reference, *Web of Science* generates a list of articles that share at least one citation with that article. The articles that share the most citations are displayed first.

*Web of Science* allows the saving of a search so that a search strategy may be run at a later time. Unfortunately there is no way to run saved searches automatically, but searches may be limited to the latest week, the latest 2 weeks or the latest 4 weeks if you should choose to run your search regularly. The database is updated weekly, and generally records appear 2-3 weeks after article publication. Besides articles, *Web of Science* also indexes many other document types such as book reviews, meeting abstracts, editorials and letters.

*Continued opposite page — WEB OF SCIENCE*

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## ELECTRONIC JOURNALS: AN UPDATE

Linda Walton, M.L.S., Associate Director, ljwalton@nwu.edu

Have you looked at our electronic journals listed on the library's home page lately? We have increased the number of titles from 77 to well over 200 during the past few months. This feat has been accomplished in a number of ways:

We collaborated with the University Library to provide access to over 30 American Chemical Society titles.

We searched and identified titles that provide free electronic access to libraries that have print subscriptions. Publishers providing this service include Annual Reviews, Springer, Oxford University Press, the American Heart Association, and many professional societies, associations and organizations. (If you know of others contact ljwalton@nwu.edu)

We have gained access to many electronic journals through our MD Consult service, including several of the Clinics in North America series.

We have purchased 48 electronic titles through Ovid, our database vendor, and

they have enhanced their service by providing links to MEDLINE citations and CINAHL citations.

We have purchased electronic access to many titles directly from the publisher. We recently acquired the following electronic journal titles:

Cell Press Titles: Cell, Neuron, Immunity, Molecular Cell Genes and Development Oncogene  
Journal of General Physiology  
Journal of Experimental Medicine  
Science Online  
Journal of Cell Science  
Development  
Journal of Experimental Biology

All of our titles are available on the Chicago campus and at Northwestern Memorial Hospital (NMH). Whenever possible, we have also negotiated access for the Evanston campus, but we have had very little success in negotiating access to electronic journals for some of our other affiliated hospitals. ☞

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### WEB OF SCIENCE — continued

Northwestern University subscribes to the portion of *Web of Science* covering 1987 to the present. However, this does not mean that *Web of Science* cannot be used to find very old items. If an article in *Web of Science* has cited an article in volume 1 of JAMA, published in 1883, you have a connection to the past, and enough information (if the citation is correct) to find that article. *Web of Science* depends on authors to compile correct citations, so there is variation depending on how well authors verified their citations.

If you have never tried *Web of Science*, or if you never thought it could be useful to you, take a few minutes to examine (or reexamine) its usefulness.

You will find a link to *Web of Science* by pointing your web browser to <http://www.galter.nwu.edu/databases/> (or by selecting DATABASES from the Galter Library home page), then selecting 'Sci & Engin' in the sidebar at the left and pressing find. It's listed as *Science Citation Index (Web of Science)*.

Galter Library will be offering a *Web of Science* Lunch & Learn on Tuesday, July 20 from 12-1 p.m.. If you would like to sign up, contact Reference & Research Services at ghsl-ref@nwu.edu or 312/503-8109. We would also be happy to schedule a one-on-one or group session at your convenience. ☞

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## CONTINUING MEDICAL EDUCATION ON THE ROAD

Laurel Grabam, M.L.S., Reference Librarian, l-graham@nwu.edu

### CME CREDIT

The California Medical Association designates each Audio-Digest CME journal for 2 credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association.

Audio-Digest Family Practice journals are acceptable for up to 96 hours annually of prescribed credit by the American Academy of Family Physicians.

Audio-Digest Emergency Medicine tapes are approved by the American College of Emergency Physicians for up to 48 hours annually of ACEP Category 1 credit.

Are you looking for continuing education credit? Available in the Galter Library Learning Resources Center (LRC) are Network for Continuing Medical Education (NCME) videos and Audio-Digest tapes. Both of the products may be borrowed for a week. Listen to Audio-Digest tapes on the CTA, earn CE credit and drown out the noise of a fellow commuter catching forty winks, or better yet, watch NCME videos from the comfort of your couch.

The NCME video journal covers diagnosis, treatment, management, and clinical trials/information updates on contemporary topics in medicine. It is a referred video serial recorded on VHS (home video) format. Several recordings are released each year. Each recording contains either: one program approximately 50 minutes in length, two programs approximately 25 minutes in length, or three programs approximately 15 minutes in length. Physicians may earn CME credits by studying a

program, answering accompanying test questions, and submitting the response sheets to the agency cited with the materials.

The Audio-Digest Foundation was established as a non-profit subsidiary of the California Medical Association in 1954. Its mission is to record continuing medical education symposia and to make skillfully edited tapes of the presentations available to medical professionals. Audio-Digest, in collaboration with The Massachusetts Medical Society, publisher of *The New England Journal of Medicine*, also issues twice monthly Journal Watch Audio, which brings you 60 minutes of clear, concise summaries of the latest advances published in more than 25 major journals. The California Medical Association grants Audio-Digest Foundation's materials continuing education credits. The California Medical Association is accredited by the ACCME to sponsor continuing medical education for physicians.    

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### LIBRARY PUBLISHES NU TEXTBOOK—ELECTRONICALLY!

Brian Lauer, M.L.I.S., Reference Librarian, b-lauer@nwu.edu

*The Geriatric Resource Guide* is a publication of the Buehler Center on Aging, a center within the McGaw Medical Center of Northwestern University. After three print editions, the editor, Dr. James R. Webster, M.D. approached the library for assistance in publishing the fourth edition online. The mission of the Buehler Center on Aging is "to promote the development of gerontology and geriatrics education, research, and clinical services across the University, in the affiliated teaching institutions of McGaw, and in the community at large." Dr. Webster thought that an online version of the guide would foster more use and enable easier access to the content, promoting education, research and clinical services to a much larger audience.

The library's mission is "to meet the research, education, and clinical information needs of its users" and use technology as a foundation to provide "timely access to and delivery of both local and remote information resources." Though the library has been providing access to electronic journals for some time and recently delved into the area of electronic books, most of the resources have been remote. The Electronic Geriatrics Resource Guide was an opportunity for these two arms of the McGaw Medical Center to collaborate and further accomplish their goals.

*ELECTRONIC TEXTBOOK — continued opposite page*

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## SECOND ANNUAL TASTE OF GALTER SLATED FOR AUGUST 18

*Theresa Westphal, M.L.S., Reference Librarian, t-westphal@nwu.edu*

The second annual Taste of Galter will be held on August 18, 1999. This all day program provides the opportunity for faculty to become acquainted with the many programs and services provided by the library. The workshops are typically one hour and are designed to provide an overview of a particular service.

Topics this year include an overview of the Ovid search system, how to use the electronic library, new online full-text resources such as textbooks and journals, resources in the Learning Resources Center, EndNote, and more. Watch for registration announcements for Taste of Galter through email and mailings. Last year more than 50 people benefited from Taste of Galter and lunch was tasty too!

### TASTE OF GALTER 1999

**Electronic Library**

Find out what's available on your desktop. Electronic journals and textbooks, library services and more.

**Ovid**

This session will present new developments in the Ovid suite of databases: Document Delivery, Auto SDI, Full Text, and other new features.

**EndNote**

Find out the exciting new features of this popular reference management software, including integration with MEDLINE.

**Full Text Resources**

Learn how to manage full-text resources from the Galter homepage. We offer an array of full-text books, journals, and current health events.

**Science Databases**

Discover resources from the *Web of Science* including *Science Citation Index* (SCI), which indexes 5,300 major journals across 164 scientific disciplines, averaging 17,000 new articles per week.

**Ask an Expert**

Stop by for a personal consultation on electronic publishing, CourseInfo, E-Reserves, or how to get connected to the electronic library from home or office.

**Learning Resources Center (LRC)**

Considering adding multimedia to your curriculum? Discover the many resources and services available through the LRC including computer-assisted instruction, models, slides, video and more.

**Databases Beyond MEDLINE**

Find out about the many clinical databases that cover subjects such as evidence-based medicine, health administration, ethics, pharmacology, allied health and nursing.

#### *ELECTRONIC TEXTBOOK — continued*

The original pocket-sized print edition limited the amount of information available to the user and the ability to update the information more than once a year. The new electronic edition will be accessible anywhere via an Internet connection and individual chapter authors may update the text throughout the year. In addition, keyword searching is possible using our search engine. Type in a word or two and click the search button to search the full text of the entire book.

The electronic edition also expands on the references or resources section of the text. The original bibliography is still present, but links to journal citations and abstracts have been added along with other World Wide Web resources pertaining to Geriatrics. With the acquisition of *MDConsult*, *Stat!Ref* and many electronic journals, the library is able to link this guide to full-text journal articles and other geriatric texts. This will allow a user to search for additional information if needed, and expand the content of the original text into other scholarly resources. The original Buehler text now becomes a mini-database on geriatrics.

The library would like to welcome you to browse this new resource and please give us any feedback <<http://www.galter.nwu.edu/buehler/>>. We also seek new collaborators to produce more Northwestern University e-books. Feedback and inquiries can be sent to Brian Lauer at [b-lauer@nwu.edu](mailto:b-lauer@nwu.edu). 

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## ANATOMICAL ILLUSTRATION REVISITED

Ron Sims, M.A., *Cataloger and Special Collections Librarian*, rnsms@nwu.edu

During the Medical Library Association 1943 annual meeting in Chicago, historical books were displayed at the Archibald Church Medical Library (now the Galter Health Sciences Library) that celebrated anatomical illustration in the 400<sup>th</sup> anniversary year of the publication of Andreas Vesalius *De humani corporis fabrica* (1543). This year, the Galter Library welcomed the Medical Library Association Annual Meeting attendees back to Chicago. This meeting marked the end of the association's 100<sup>th</sup> anniversary celebration.

To celebrate MLA's centennial, The Galter Library staff invites you to view selections from the 1943 presentation now on display in the 2<sup>nd</sup> level exhibit cases by the grand staircase through Summer 1999.

The exhibit includes works from the 15<sup>th</sup> to 19<sup>th</sup> centuries. The earliest work (1491), a facsimile edition by Johannes de Ketham, is a woodcut illustration typical of those found not only in early Western European medical manuscripts, but also in those of the Far East. Descriptive rectangles identify the symbols of the zodiac drawn on the body and show their governance of the body regions. Another facsimile, a drawing from Leonardo da Vinci's *Quaderni d'anatomia* (Anatomical notebooks), was prepared during the first 10 years of the

16<sup>th</sup> century. Vesalius is represented by an edition of his *Fabrica* (1568). This text overthrew the then prevailing teachings of Galen and revolutionized the teaching of anatomy.

Highlights of the exhibit include a very rare edition of *Ophthalmodouleia, das ist, Augendienst ...* (1583) by Georg Bartisch. Multi-layer woodcuts, showing the anatomy of the eye, are remarkable for their time. Copperplate engravings by Johann Remmelin, *Catoptrum microsmicum* (1619), depicts male and female anatomy in a similar "pop-up" fashion.

*Cerebri anatome* (1666) by Thomas Willis coined the term "neurology" and was the most complete and accurate account of the nervous system up to that time. The illustrations were prepared in collaboration with Christopher Wren, an English architect known for his design of St. Paul's Cathedral in London.

The 18<sup>th</sup> and 19<sup>th</sup> century works by Albrecht von Haller, Albinus and Charles Bell epitomize the development of the copperplate engraving process.

(Note: I would like to express a very special thank you to SJ Murray, Library Assistant II, for her assistance and editorial contributions in preparing this exhibit.)

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## INTERNATIONAL VISITORS AT GALTER

James Shedlock, A.M.L.S., Director, j-shedlock@nwu.edu

The Galter Library hosted international guests this summer from Sweden and Canada. They arrived to consult with us on services and space planning, but we also gained new ideas from our colleagues by learning how they meet their users' needs.

Our Swedish guests were Jan Schutzer, Library Director for the Hospital Libraries of the County Council of Varmland and Bengt Holmquist, Library Director for the Falu Lasarett Medical Library for the County Council of Dalecarlia. They spent a day with Galter staff discussing networking issues and services to our users at affiliated hospitals. Demonstrations were provided on MEDLINE with links to full-text articles, MD Consult and Harrison's Online.

Jennifer Bayne, Library Director for the Toronto General Teaching Hospitals, is planning a renovation of her library. She spent a day with Galter staff reviewing our facility and the challenges we faced when planning our renovation.

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## STAFF NEWS

*Linda Walton, M.L.S., Associate Director, ljwalton@nwu.edu*

**James Shedlock**, Director, has been appointed the new Editor of the *Annual Statistics of Medical School Libraries in the United States and Canada*, published by the Association of Academic Health Sciences Libraries (AAHSL). The editor has overall responsibility for ensuring that the Annual Statistics presents timely, accurate statistical data about AAHSL libraries, in a format that meets members' needs. Jim has served on the Annual Statistics Editorial Board since 1995, and has been serving as Interim Editor for the past several months. Jim has effectively led board planning for moving to an online statistics environment, in addition to overseeing preparation of the 21st edition. He is committed to ensuring that the Annual Statistics serves members' needs by collecting data that can help us define trends and measure quality.

**Shakia Boyd**, Library Assistant 1, has recently joined the Learning Resources Center (LRC) department. Shakia has been a part-time employee in the LRC for the past year. Welcome Shakia!

**Charles Rocha** has accepted the position as Technical Support Consultant. Charlie has been working at the Galter Library as a Library Assistant for the past two years. Congratulations Charlie!

**Jon Jablonski**, previously Technical Support Consultant, is now working as a programmer for the Northwestern University, Weinberg Informatics Center. Good Luck Jon!

Many staff from the Galter Health Sciences Library attended the Annual Medical Library Association meeting held in Chicago. Several staff also participated on Local Arrangements Committees throughout the year helping to make this one of our most successful conferences. Galter staff presented two poster sessions at the meeting featuring Cold Fusion software for managing home pages and databases.

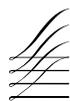
**June Carter**, Reference Librarian and **Ramune Kubilius**, Head of Reference and Research Services attended the annual Special Libraries Association meeting in Minneapolis, MN. **Tony Olson** attended the American Library Association meeting in New Orleans, and **Susan Wishnetsky** attended the North American Serials Interest Group meeting held in Pittsburgh.

Ten paraprofessionals attended Reaching Forward, the Illinois Library Association's 9<sup>th</sup> annual conference for library staff, in April. Participants heard the keynote address, "Discovering the Leader Within", visited vendor exhibits, networked with other library workers and chose 3 events of interest from more than 30 workshops and discussion groups. Popular with Galter staff were meet-the-author sessions and Chef Larry's Intranet Café: building an internal website for staff.

**SJ Murray** attended three Soaring to Excellence teleconferences at the Chicago Library System during 1998/1999. Participants may interact with the presenters by telephone and fax during the program, by e-mail afterwards and refer to bibliographies, discussion questions, and reference material available on the program's WWW site. The College of DuPage series for library staff, now in its fifth year, included these topics: Techno-Stress; Tools of the Trade; and Disaster Planning. ☺

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LINDA WALTON, M.L.S.

#### LIBRARY HOURS\*

Monday-Thursday  
8:30 a.m.-12:00 a.m.  
Friday  
8:30 a.m.-9:00 p.m.  
Saturday  
9:00 a.m.-7:00 p.m.  
Sunday  
11:00 a.m.-11:00 p.m.

\*LRC and Circulation always closes 15 minutes earlier.  
\*Photocopiers are turned off 15 minutes before closing

#### REFERENCE ASSISTANCE

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Friday-Saturday  
9:00 a.m.-5:00 p.m.

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Interlibrary Loan  
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Learning Resources Center (LRC)  
312-503-8238  
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312-503-8109

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