



# IAIMS NEWSLETTER

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med.utah.edu/iaims/  
iaims.html](http://www-medlib.med.utah.edu/iaims/)

# Keeping Up With Electronic Resources

## Pioneer - Utah's Online Electronic Library



Pioneer, Utah's Online Electronic Library, intends to provide comprehensive research resources for the citizens of Utah. The site currently includes full text literature databases, newspapers and Utah State Archives.

Full text resources are available through IAC SearchBank, an electronic resource provided by the Information Access Company. Over 1,000 journals are accessible over the network.

(See *IAIMS Newsletter*, v.12(3) page 14 for details.)

Newspapers currently accessible from Pioneer are the *Salt Lake Tribune*, and the *Deseret News* archived back to 1994.

Pioneer also provides direct links to the online library catalogs of the colleges and universities in Utah.

These resources are brought to Utah citizens through the combined efforts of public libraries, higher and public education, the Utah Education Network (UEN), and state government in Utah. There are plans for additional electronic resources in the future.

Pioneer can be accessed from the Spencer S. Eccles Health Sciences Library home page at <http://www-medlib.med.utah.edu/> and then clicking on Pioneer; or directly from <http://pioneer.uen.org/>

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# LIBRARY SERVICES NEWS

## Library Hours

## Introducing... Camille Salmond, Senior Library Specialist, Interlibrary Loans, Spencer S. Eccles Health Sciences Library

The Spencer S. Eccles Health Sciences Library begins Spring Quarter hours March 31, 1997. Summer Break hours are June 14 to June 29, 1997. Summer Quarter hours begin June 30.

### Spring Quarter Hours March 31 to June 3, 1997

Monday - Thursday	7:00 am - 11:00 pm
Friday	7:00 am - 8:00 pm
Saturday	9:00 am - 8:00 pm
Sunday	11:00 am - 11:00 pm
Memorial Day, May 26, 1997	7:00 am - 11:00 pm

### Spring Quarter Extended Hours June 4 to June 13, 1997

Monday - Thursday	7:00 am - 12 midnight
Friday	7:00 am - 11:00 pm
Saturday	9:00 am - 11:00 pm
Sunday	11:00 am - 12 midnight
Thursday, June 12, 1997	7:00 am - 11:00 pm
Friday, June 13, 1997	7:00 am - 8:00 pm

### Summer Quarter Break Hours June 14 to June 29, 1997

Monday - Friday	7:00 am - 8:00 pm
Saturday	9:00 am - 6:00 pm
Sunday	Closed

### Summer Quarter begins Monday, June 30, 1997

The "Introducing..." column is a regular feature that profiles an employee of the Spencer S. Eccles Health Sciences Library. It is a way of introducing our staff to you. This month features Camille Salmond.

Camille is a life-long resident of Salt Lake City, Utah, but has traveled extensively throughout the world. At various times she has lived in Taiwan and Jerusalem, and visited Greece, Egypt, Europe, Hong Kong, and Japan, to name just a few.

She is married with two small children who monopolize most of her free time away from work. Her hobbies include reading, cooking, music and Jazz basketball games. She also loves to plan and organize parties and social events.

Camille started working at Eccles Library when she was a student at the University of Utah in 1976. After graduating in Secondary Health Education, she left the library for thirteen years working as a stock transfer agent. But her interests in health sciences brought her back to Eccles Library six years ago. Utilizing her degree in the health sciences has given her more professional satisfaction and proven a strong asset to her position in the Library.

As the supervisor of the Interlibrary Loan (ILL) Department, Camille oversees document delivery services in addition to ordering materials not owned by the

# Introducing... Camille Salmond

## KNOWLEDGE WEAVERS UPDATE

by  
Sharon E. Dennis,  
Associate Librarian,  
Spencer S. Eccles  
Health Sciences  
Library

## MEDLINE & CINAHL DATABASES UPDATE

Eccles Library. Articles and other information are obtained for patrons via various databases, electronic journals and other document delivery services on the World Wide Web. Working to improve ILL service, Camille is a member of several consortia, maintaining contacts with libraries throughout Utah and around the country. Camille and her staff are noted for their friendly and prompt service to patron requests. We invite you to visit Camille and her staff in the ILL department, or contact them by phone (801) 581-5282, fax (801) 581-3632 or even visit their home page (<http://www-medlib.med.utah.edu/ILL/ill.html>).

The mission of the Knowledge Weavers project at the Spencer S. Eccles Health Sciences Library is to create multimedia resources to support health sciences education. Two new Web sites produced by the Knowledge Weavers team are now available.

### **The Human Reproduction Web site**

[http://www-medlib.med.utah.edu/human\\_reprod/](http://www-medlib.med.utah.edu/human_reprod/)

This Web site was designed to support the University of Utah School of Medicine sophomore organ systems course. Resources include seminars linked to slides and video, over 250 interactive test questions with feedback, lecture materials and clinical cases, and much more. The Web site was created by C. Matthew Peterson, M.D. in conjunction with the Knowledge Weavers team.

### **Multiple Sclerosis Tutorial**

<http://www-medlib.med.utah.edu/kw/ms/>

This tutorial on Multiple Sclerosis, which includes lectures and a video, is now available. Topics include epidemiology and prevalence, clinical presentation, diagnosis, treatment, and prognosis. The tutorial may be used interactively or printed for future reference. The tutorial was created by John W. Rose, M.D.; Maria K. Houtchens, MSII; Sharon G. Lynch, M.D.; and the Knowledge Weavers team.

The Knowledge Weavers team is in the process of creating new resources in a variety of subject areas (including Biochemistry, Pathology, Cardiology, and Endocrinology) which will become available on the Web in the next few months. For information, see the Web site at <http://www-medlib.med.utah.edu/kw/> or contact Sharon E. Dennis at [sdennis@ecclab.med.utah.edu](mailto:sdennis@ecclab.med.utah.edu) or (801) 585-3928.

If you are using MacSPIRS to access MEDLINE, CINAHL and other databases available from Eccles Library, you need to be aware that the method of access has changed. We are now serving our databases over the Internet rather than through guest accounts on the Novell network. All MacSPIRS clients must be reconfigured to access our ERL (SilverPlatter's Electronic Reference Library) server. Complete instructions are available on our Web site at: <http://www-medlib.med.utah.edu/reference/spirs/macspirs.html>

Instructions for reconfiguring MacSPIRS are also available in the *Access To Databases: Macintosh Client* brochure. The brochure is available at the Reference Desk. If you would like a brochure mailed to you through Campus

# MEDLINE & CINAHL DATABASES UPDATE

## ECCLES LIBRARY CLASSES

Descriptions  
and Schedules

For more  
information, call  
**(801) 581-5534**

Sessions are  
FREE unless  
otherwise  
indicated.

Classes for  
which a fee is  
charged require  
payment in  
advance to  
reserve your  
place in the  
class.

Mail, please call the Reference Desk at (801) 581-5534.

Windows Users: the WinSPIRS client instructions are also available in both Web and brochure format. (<http://www-medlib.med.utah.edu/reference/spirs/winspirs.html>).

Contact Nancy Lombardo at (801) 581-5241 if you need assistance or have any questions about using the MacSPIRS or WinSPIRS client software to access the Eccles Library databases.

The workshops and classes described below are presented on a regular basis by the faculty of the Spencer S. Eccles Health Sciences Library. Schedules are printed in the Fall, Winter, Spring and Summer issues of the *IAIMS Newsletter*. The Spring Quarter 1997 schedule is printed below. The schedule is also available electronically via the Library's Web site: <http://www-medlib.med.utah.edu/education/workshop.html>. Special sessions and subject-specific sessions for those affiliated with the University of Utah may be arranged by contacting the instructors directly.

Sessions are FREE unless a charge is indicated. Classes for which a fee is charged require payment in advance to reserve a place in the class. Registration is on a first-come/first-served basis. **Please fill in the registration form below and return it to the library with your payment.** A postcard will be sent to confirm your registration. Phone registration will be accepted for classes that do not have a fee. To register for one of the free classes or for more information, call (801) 581-5534.

**LOCATION:** Computer Classrooms, Lower Level, Eccles Library (unless otherwise indicated).

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### Workshops and Classes Registration Form

Spencer S. Eccles Health Sciences Library  
Bldg 589 / University of Utah / Salt Lake City, UT 84112

Please fill in the following information completely and return to the above address. Registration for classes is accepted by mail or in-person, and is on a first-come/first-served basis. Payment must accompany registration. Your registration will be confirmed by mail. Make check payable to: Eccles Library.

Name: \_\_\_\_\_ Phone: (w) \_\_\_\_\_ Phone: (h) \_\_\_\_\_

Address: \_\_\_\_\_

City/St/Zip: \_\_\_\_\_

Class name: \_\_\_\_\_

Class date: \_\_\_\_\_ Class time: \_\_\_\_\_ Cost of class: \_\_\_\_\_

Yes! Send me a UU parking day pass for \$2.50 Cost of parking: \_\_\_\_\_

Total enclosed: \_\_\_\_\_

# ECCLES LIBRARY CLASSES

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of Utah may be  
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instructors directly.

## Tours and Orientations

Tours and orientations are conducted to familiarize faculty, staff and students with library resources and services. Brief tours introduce users to information sources and location of library materials, and present an overview of available services. Detailed instruction in the use of compact disc databases, subject-specific sources, and other reference sources can be arranged. Contact instructor to arrange for a tour or orientation. Instructor: Patricia Arter; (801) 581-4686 or (801) 581-5534; INTERNET: [parter@ecclab.med.utah.edu](mailto:parter@ecclab.med.utah.edu).

### Introduction to CD-ROM Databases

Participants learn the basic mechanisms for searching CD-ROM databases that are available at the Eccles Library. Databases include: Aidslines, Bioethicsline, CINAHL (Nursing & Allied Health Literature), HealthSTAR, MEDLINE, Sport Discus, TOXLINE and PsycLIT. Arrangements can be made for a date and time that better suits your schedule. Instructors: Patricia Arter; (801) 581-4686; INTERNET: [parter@ecclab.med.utah.edu](mailto:parter@ecclab.med.utah.edu), or Mary McFarland, (801) 581-5534; INTERNET: [marym@ecclab.med.utah.edu](mailto:marym@ecclab.med.utah.edu).

Wednesday, April 9, 1997	3:30 pm - 4:30 pm
Monday, April 28, 1997	2:30 pm - 3:30 pm
Friday, May 9, 1997	2:30 pm - 3:30 pm
Monday, May 19, 1997	3:00 pm - 4:00 pm

### Win & Web: MEDLINE Today

This 3 hours, hands-on class will focus on effective techniques for searching the Windows and Web versions of SilverPlatter MEDLINE. The course will also examine and evaluate "free" versions of MEDLINE on the World Wide Web. Instructor: Mary E. Youngkin; (801)581-5534; INTERNET: [maryy@ecclab.med.utah.edu](mailto:maryy@ecclab.med.utah.edu).

Thursday, May 1, 1997	11:00 am - 2:00 pm
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### Basics of Searching MEDLINE on the NLM System

Participants learn the basics of searching MEDLINE online on the NLM system in this 8-hour, hands-on class, taught in two 4-hour segments. MeSH vocabulary and search strategy, as well as NLM online search protocols are included. \$30 for U of U students, staff and faculty; \$50 for all others. Contact the instructors to arrange for a class. Instructors: Mary E. Youngkin; (801)581-5534; INTERNET: [maryy@ecclab.med.utah.edu](mailto:maryy@ecclab.med.utah.edu), or Nina E. Dougherty, (801) 581-8771; INTERNET: [nina.dougherty@m.cc.utah.edu](mailto:nina.dougherty@m.cc.utah.edu)

### Grateful Med

*Grateful Med* is the National Library of Medicine's searching software for accessing the MEDLARS databases in either an IBM compatible or Macintosh environment. Contact the instructor to arrange for a class. Instructor: Kathleen M. McCloskey; (801) 585-5743; INTERNET: [kmc@ecclab.med.utah.edu](mailto:kmc@ecclab.med.utah.edu).

### Internet FTP: Or, how to retrieve and install stuff!

This class will teach participants how to find and retrieve software and documents over the Internet using *Netscape and WS\_FTP*. Basic requirements for accomplishing a successful FTP will be explained. Essential tools for decompressing Zip files and checking for viruses will be downloaded using *Netscape*, installed and used during class. *WS\_FTP*, a highly functional transfer

# ECCLES LIBRARY CLASSES

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and subject-  
specific sessions  
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of Utah may be  
arranged by  
contacting the  
instructors directly

program for the PC will also be examined and used. Participants may bring two 3.5 inch disks and take the essential tools home with them. Prerequisites: Familiarity with *Netscape*, Windows platform and using a mouse. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructor: Nancy Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu.

Tuesday, April 29, 1997

PC

9:00 am - Noon

## **Finding Information on the Internet**

Learn how to search for the information you need on the Internet using *Netscape*. This class explains how to navigate the Internet using *Netscape* and offers instruction and hands-on practice in how to use Internet directories, indexes, meta indexes and other Internet searching tools to find the Internet resources you need. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructors: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu, or Nancy Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu or Nina E. Dougherty, (801) 581-8771; INTERNET: nina.dougherty@m.cc.utah.edu

Wednesday, May 21, 1997

PC

9:00 am -11:30 am

## **Introduction to HTML**

Learn how to create documents to be served over the World Wide Web using the HyperText Markup Language (HTML). This course will cover the basics of HTML coding as well as good document design practices. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructors: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu, or Nancy Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu.

Tuesday, April 22, 1997

PC

9:00 am - NOON

## **Advanced HTML**

This hands-on workshop will cover several advanced HTML features including forms, tables, and imagemaps. Participants will practice using existing CGI scripts, such as CGIEMAIL, to receive input from forms. Prerequisite: Knowledge of basic HTML. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructors: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu, or Nancy Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu.

Wednesday, May 7

PC

1:30 pm - 4:30 pm

## **Creating Multimedia for the Web**

This hands-on workshop will cover methods for creating graphics, sound, and video for use on the World Wide Web. Learn how to scan and convert graphics into appropriate formats for the Web, how to decide when to use appropriate graphics formats for the desired purpose, how to deal with color palette issues on different platforms, and how to incorporate graphics into Web pages. Participants will also learn about appropriate audio and video file formats and methods, including the use of "streaming" audio and video and using various plug-ins for delivering audio and video. The workshop will be taught using the Windows

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arranged by  
contacting the  
instructors directly

platform. Participants may be expected to share a computer. Pre-requisite: Becoming a World Wide Web Information Provider (Introduction to HTML) or equivalent knowledge and experience. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructor: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu

Wednesday, May 7, 1997      PC      9:00 am -12:30 pm

## Creating Educational Presentations Using PowerPoint

Learn how to use PowerPoint 7.0 to create slide presentations on the computer. This course will cover basics of PowerPoint, good design practices, and techniques for using multimedia in your PowerPoint presentations. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructors: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu, or Nancy Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu. or Jeanne M. Le Ber; (801) 581-5534; INTERNET: jeannele@ecclab.med.utah.edu.

Monday, May 19, 1997      PC      12:30 pm -2:30 pm

## Bibliographic Management

Learn how to manage your reprint files and create properly formatted bibliographies for your publications using either *EndNote* or *ReferenceManager*. Instructor: Jeanne M. Le Ber; (801) 581-5534; INTERNET: jeannele@ecclab.med.utah.edu.

**EndNote for the Macintosh**  
Monday, May 12, 1997      MAC      2:00 pm - 4:00 pm

**ReferenceManager for Windows**  
Friday, May 30, 1997      PC      2:00 pm - 4:00 pm

## Medical Center/Small Computer Users Group

MC/SCUG is an informal group of computer users who enjoy keeping informed about the latest developments in computer applications. There is no membership fee. Meetings are scheduled irregularly based on the need to publicize new library technologies and/or services. Meetings will be announced via the MC/SCUG mailing list. If you are interested in receiving email notification of future MC/SCUG meetings, send an email message to: **listserv@ecclab.med.utah.edu**. The text of the message you send should include ONLY the following words: **subscribe MCSCUG**

## Web Developers' Group

*Location: History of Medicine Room, Eccles Library*

The Web Developers' Group is an informal group of faculty, staff and students who are interested in publishing on the World Wide Web to support education, research, and patient care. The purpose of the group is to share information in this rapidly changing field; all levels of expertise are welcome. The group will be moderated by Sharon Dennis and Nancy Lombardo of the Eccles Health Sciences Library. No meetings Spring Quarter. Meetings will resume in June.

## ECCLES LIBRARY CLASSES

## SLICE OF LIFE

8th Annual  
Slice of Life  
Workshop

June 25-28,  
1997

## SLICE OF LIFE NEW PRODUCTS & SERVICES

by  
**Michael A. Thelin,**  
Senior Library  
Specialist,  
Slice of Life  
**Spencer S. Eccles**  
Health Sciences  
Library

*IAIMS Newsletter*  
v. 12, no. 4, Spring 1997  
URL: [http://www-medlib.  
med.utah.edu/iaims/iaims.html](http://www-medlib.med.utah.edu/iaims/iaims.html)

## InfoFair

InfoFair is an annual computer and information event that provides an opportunity for health professionals to obtain up-to-date information on computer applications, resources and services and a glimpse into the future of computers and information technology in the health sciences. Coordinator: Joan M. Gregory; (801) 581-5269; INTERNET: [joang@ecclab.med.utah.edu](mailto:joang@ecclab.med.utah.edu).

Thursday, April 24, 1997

9:30 am - 4:30 pm

Just a reminder that the **8th Annual Slice of Life Workshop** will be held June 23rd-28th, 1997 in Chicago, Illinois. The workshop is being hosted by the University of Chicago. For information on workshop registration and accommodations please contact Marlene Goldberg at: [marlene@delphi.bsd.uchicago.edu](mailto:marlene@delphi.bsd.uchicago.edu) or visit the Slice of Life Workshop Web site at <http://slice97.uchicago.edu>

For information concerning submissions for the Sandoz Software Award please contact Michael Thelin at: [amthelin@ecclab.med.utah.edu](mailto:amthelin@ecclab.med.utah.edu) or visit the Slice of Life Web page at <http://www-medlib.med.utah.edu/sol/>

The Slice of Life project encompasses a wide range of activities. Here is a listing of new products and services available.

*Slice of Life VII* videodisc. The videodisc sells for \$300 (those qualified individuals and institutions may obtain the disc at the upgrade price of \$150). This new edition of the videodisc incorporates frame imagery from previous releases of the disc and in addition some 5,600 new frames and 65 motion sequences. Of particular significance is the inclusion of over 1,600 images taken from the *William Boyd Collection of Diseased Human Organs*. The Boyd collection images on Slice VII are hand-tinted photographs organized by twelve systems and described by patients' histories, specimen descriptions, autopsy findings, and cross-references to the original museum acquisition numbers.

One of Slice of Life's most popular programs, *Embryo Images*, has now been made available to PC users. The program, which is an interactive tutorial designed to teach mammalian embryology, was introduced in 1994. *Embryo Images* is oriented by organ system and includes nine separate units. The price of the program is \$400 for a single copy, \$800 for a site license.

The *Interactive Brain Atlas*, produced as part of the University of Washington's Digital Anatomist Program is a Macintosh-based CD-ROM that presents computer generated, dynamic 3-D reconstructions of the brain and its component parts. The program can be added, as a module, for use with *HyperBrain 1.0*. The cost of the *Interactive Brain Atlas* is \$200.

*NeuroClinic* is a comprehensive, interactive *SuperCard* guide to clinical neurology that was authored by this year's recipient of the Sandoz Software

# SLICE OF LIFE NEW PRODUCTS & SERVICES

by  
**Michael A.  
Thelin, Senior  
Library  
Specialist,  
Slice of Life  
Spencer S.  
Eccles Health  
Sciences Library**

Award, David Schimp. *NeuroClinic* features 413 neurological conditions with over 1,000 definitions and hundreds of test questions. With links to over 1,500 frames images (still and motion) on the *Slice of Brain I* videodisc, *NeuroClinic* is a dynamic tool for rapid access to medical information. *NeuroClinic* is available as a single copy for \$250; \$500 for a site license.

*Virgil Pathology Lessons* is the result of a project developed by the pathology department at Vanderbilt University. The program comprises over 60 lessons covering general and systemic pathology. Each lesson includes multiple digitized images of gross and microscopic specimens with explanatory drawings and text. Representative lessons include basic response to injury, hemostasis, wound healing, atherosclerosis and diseases of the aorta, lung infections, vascular diseases of the kidney, and brain infections. A feature of *Virgil Pathology Lessons* is the ability to display multiple images simultaneously for comparison of gross and microscopic changes and correlation of standard histology with special studies such as ultrastructure, fluorescence microscopy, and immunocytochemistry. Each lesson includes a "slide-show" that allows display of any pair of images from the lesson. *Virgil Pathology Lessons* is a Macintosh-based program that sells for \$300 for a single copy; \$1,200 for a site license. A student version of the program sells for \$75.

In addition to these new programs in the Slice of Life catalog, there are a number of product upgrades. *Dermatology for Medical Students* (version 4.60) is available for \$225 single copy; \$400 site license. *Dermatology for Medical Students*, an algorithmic approach to dermatologic diagnosis, is an interactive, Macintosh-based program for third and fourth-year medical students.

*GuidePATH* (version 1.65) is a Macintosh-based, interactive (with the Slice of Life videodisc) instruction program for teaching pathology to second-year medical students. *GuidePATH* contains 2,863 gross and microscopic as well as x-rays and charts. *GuidePATH* is available for \$525 for GRIPE members; \$625 for non-members.

Introduced in 1995, *HyperBrain 1.0* is a core resource for neuroscience education. This new version of *HyperBrain* can be used with either the *Slice of Life VI* or *Slice of Brain I* videodiscs. *HyperBrain 1.0* is available for \$400 single copy; \$800 site license (upgrade pricing to previous versions of *HyperBrain* are available).

*HyperHeart 3.0* is a completely re-worked interactive program linked to frame imagery on the Slice of Life videodisc. The program can be used either with or without the videodisc. This new version of *HyperHeart* more resembles the navigational attributes found in *HyperBrain*. *HyperHeart 3.0* is available for \$350 single copy; \$600 site license (upgrade pricing to previous versions of *HyperHeart* are also available).

*Physiology Tutor and Tester* (version 4) is a PC-based program for review and self-evaluation of basic medical physiology. The new version of the program has had many new modules added making *Physiology Tutor and Tester* an even more useful application. *Physiology Tutor and Tester* has been designed to serve as a

# SLICE OF LIFE

## INTERNET RESOURCES

### Internet Resources Related to the Physician Assistant Profession

by  
Nancy T. Lombardo  
Affiliate Librarian,  
Systems  
Spencer S. Eccles  
Health Sciences  
Library

study aid for preparation for medical physiology courses and for the physiology component of the National Board Exam. *Physiology Tutor and Tester* is available as a single copy for \$75; \$175 for a site license.

For additional information on what's new with Slice of Life please visit the Slice of Life Web site at <http://www-medlib.med.utah.edu/sol/sol.html> or call (801) 581-8694 for further information.

There is a growing collection of Internet information related to the Physician Assistant Profession. Whether an Internet user wants to find out about educational programs, job opportunities or current trends in the profession, there is valuable information to be found online. Internet resources can provide PAs with opportunities for professional development, personal growth and communication with other professionals around the country and the world. Listed here are some of the more prominent resources in the field.

### COLLECTIONS OF INFORMATION

#### MedWeb/PA

[http://www.gen.emory.edu/MEDWEB/keyword/Physician\\_Assistants.html](http://www.gen.emory.edu/MEDWEB/keyword/Physician_Assistants.html)

MedWeb contains over 8000 links relating to the health sciences. It is supported by the Emory University Health Sciences Center Library.

### WEB SITES

#### American Academy of Physician Assistants (AAPA)

<http://www.aapa.org/>

AAPA is the only national organization that represents Physician Assistants (PAs) in all specialties and all employment settings. Its membership also includes Physician Assistant students and supporters of the profession.

#### AAPA List of Accredited PA Programs (by state)

<http://www.aapa.org/pgmlist.htm>

American Academy of Physician Assistants maintains this site listing Physician Assistant Programs. All programs listed have been accredited by the Commission on Accreditation of Allied Health Education Programs as of November 1, 1996.

#### The National PAPAGE

<http://www.papage.com/papage/>

The Internet's first and foremost independent resource for and about the Physician Assistant profession. This site is probably the most comprehensive PA site on the Web. It contains general information about the PA profession, a national PA email address directory, links to free MEDLINE sites on the Net, and an index for the *PA Journal*, listings of PA Programs, CME opportunities, employment possibilities, as well as links to other PA resources on the Internet.

#### Nursing and Allied HealthWeek

<http://www.healthweek.com/>

# INTERNET RESOURCES

## Internet Resources Related to the Physician Assistant Profession

by  
Nancy T. Lombardo  
Affiliate Librarian,  
Systems  
Spencer S. Eccles  
Health Sciences  
Library

This electronic journal offers the latest news, resources, and opportunities for those in the Nursing and Allied Health Professions. There are featured articles, job information, and links to other resources and information on continuing education. The site highlights news on regulatory, political and research information relevant to these professions.

### Physician Assistant Resources

<http://www.orst.edu/instruct/exss132/papage.html>

This page is maintained by an individual and provides links to professional organizations, educational programs, World Wide Web sites, newsgroups, and email lists relating to the PA Profession.

### Society of Emergency Medicine Physician Assistants (SEMPA)

<http://www.morgan.net/mwinters/sempa.htm>

This site provides information about the SEMPA organization, explains the mission of the group and outlines membership options. It includes ACEPs guidelines for the use of PAs in the ER and many links to other Emergency Medicine Sites on the Web.

A unique feature of this site is the SEMPA Self Assessment Exam. This self assessment tool is designed as an independent study program to direct Physician Assistant, towards the level of professional competency required to function in the area of emergency medical treatment. A bibliography of Emergency Medicine texts is available, with links allowing online purchase.

### Student Academy of the American Academy of Physician Assistants (SAAAPA)

<http://www.aapa.org/saaapa/>

This page is run by PA students and graduate PAs for student PAs across the country. They work to bring you the most current information relevant to PA students in the United States. This page was developed by and formerly known as the National Physician Assistant Student Homepage.

## MAILING LISTS

Listname	Description
<b>pafaculty</b>	Discussion of PA faculty issues
<b>paforum</b>	General discussion of PA issues
<b>pajournal</b>	Discussion about <i>PA Journal</i> articles and editorials
<b>primarypa</b>	Discussion of issues relating to primary care
<b>studentpa</b>	Discussions relating to PA students and potential PA students

To join any of these mailing lists, send the message **subscribe "listname"** (example: subscribe studentpa) to: **Majordomo@list.mc.duke.edu**

You should receive a Welcome message within a few hours and then begin receiving all messages sent to the list.

# CAMPUSWIDE SEMINARS, CLASSES AND SHORT COURSES

## Medical Informatics Seminars

## UUCC Internet and Computer Seminars

## UUCC Short Courses

## Marriott Library Short Courses

### Medical Informatics Seminars

During Spring Quarter 1997, Medical Informatics Seminars will be presented on Tuesdays, NOON - 1:00 pm in Classroom B (Gates Lecture Hall), School of Medicine Building, University of Utah. Presenters are from the University of Utah, School of Medicine, Department of Informatics. Point your reader to the Department of Informatics home page: <http://www.med.utah.edu/medinfo> for the current schedule.

### UUCC Internet Seminars

The University of Utah Computer Center offers **FREE** Internet Seminars for students, faculty and staff of the University of Utah. No preregistration is required, but seating is limited. Information is not specific to any particular platform, unless indicated. Each seminar includes a lecture on the indicated topic, followed by hands-on experience and/or questions on any topic. All classes meet at NOON in 3465 MEB and last 1 to 2 hours.

An electronic version of the schedule is available at: <http://www.cc.utah.edu/training/>. For further information, contact the Computer Center Help Line at (801) 585-4357 (585-HELP).

### UUCC Short Courses

The University of Utah Computer Center (UUCC) offers a variety of short courses. Register at class location; non-students pay at 3440MEB. Course sections may be canceled if less than 5 people are registered 2 hours prior to class time, or less than 5 people are present. Refunds will only be issued if the course section is canceled by the instructor, or registrant cancels at least 2 hours prior to class time. Make refund request within 2 weeks of class date, in 3440 MEB. Costs: Students ... FREE; Faculty, Staff, Spouse... \$15.00; Non-University ...\$50.00 Ability to use a Macintosh computer on a basic level is required for all MAC courses listed except for Introduction to the Mac. Ability to use an IBM compatible computer on a basic level is required for all PC courses listed except for Introduction to the PC.

An electronic version of this schedule is available at: <http://www.cc.utah.edu/training/>. For further information, contact the Computer Center Help Line at (801) 585-4357 (585-HELP).

### Marriott Library Short Courses

Marriott Library offers short courses on the use of electronic databases (including Lexis/Nexis, FirstSearch, UMI Periodical Abstracts and InfoTrac), Internet tools (such as Listservs, Newsgroups, Telnet, Archie, and FTP, Gopher and the World Wide Web) and electronic sources in various subject areas. The Spring schedule is available via Marriott Library's Web site: <http://www.lib.utah.edu/instruction/mltech.html>. For further information, contact Kenning Arlitsch, Technology Instruction Librarian, (801) 585-3721, INTERNET: [karlitsch@alexandria.lib.utah.edu](mailto:karlitsch@alexandria.lib.utah.edu)

## OUTREACH SERVICES

### GM IGM GMWIN

by  
Kathleen M.  
McCloskey,  
Associate  
Librarian,  
Outreach Services,  
Spencer S. Eccles  
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Many changes are taking place in the world of *Grateful Med*. First, *Internet Grateful Med (IGM)* was announced last April, then the *Grateful Med/Loansome Doc (GM/LD)* access phone number changed in September, and now the long awaited *Grateful Med for Windows (GMWIN)* is available. Both *IGM* and *GMWIN* include the *Loansome Doc* component for document delivery. Future plans include an online tutorial for *IGM* that is in development.

For those of you who have an NLM account and Internet access, and would like to check out *Internet Grateful Med*, the URL is: <http://igm.nlm.nih.gov>. The *IGM* search template displays in a Windows format. Search term input is sorted out and mapped to an expanded version of MeSH that has been under development by the National Library of Medicine (NLM) for a number of years. *IGM* came to national attention in July 1996 when Michael DeBakey, MD, wrote a letter to Ann Landers' telling the public about the benefits of using it to access the medical literature. Future Outreach columns will focus on making the most of an *IGM* search.

*GMWIN* disks are now being mailed to subscribers. If you don't want to wait for your disk to arrive and you have access to the Internet, you can download the software directly from the Internet. The URL for this information is: <http://www.nlm.nih.gov/databases/gmwin.html>. Instructions for downloading are very explicit and you can always call the MEDLARS Service Desk (800-638-8480) for help. In addition, the new user's guide for *GMWIN* can be downloaded in portable data format (PDF). For example [userguid.pdf](#). The User's Guide (458 K) has 3 parts: the Installation and Setup section (95 K); the Overview of *Grateful Med* (365 K); and the Troubleshooting section (62 K).

You will need to have the *Adobe Acrobat* software on your computer in order to print these PDF files. To make the process more convenient, if you do not have *Adobe Acrobat*, NLM has included a hot button that allows you to download the software to your computer's desktop. This is easy to do. The *Adobe Acrobat* software is very useful for other Internet downloads and a good program to have on your machine.

For now, *GMWIN* only allows access to MEDLINE databases. If you search other databases (e.g. AIDSLINE, ChemID, HealthSTAR, TOXLINE, etc.), you may want to keep your DOS version until *GMWIN* offers access to these databases. In the next issue of the *IAIMS Newsletter*, I'll offer tips and more information on *GMWIN*, and keep you posted on changes and updates. Also, Outreach Services will be setting up training for both *IGM* and *GMWIN*. If you'd like to schedule a training session, call Kathleen McCloskey at (801) 585-5743.



U. S. National Library  
of Medicine

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If you live in Utah and are interested in accessing the MEDLINE database, there are many free options. MEDLINE is produced by the National Library of Medicine (NLM) in Bethesda, Maryland. It is offered for a reasonable fee on their MEDLARS system, either through direct command searching, the front-end software *Grateful Med*, or via the Web through *Internet Grateful Med*. (See article on page 13 of this issue of the *IAIMS Newsletter*.)

NLM also makes their tapes available to a wide variety of commercial vendors who have created their own interfaces. The University of Utah provides free access to the database for students, staff, and faculty and provides links to Web versions for non-university clientele.

## UNIVERSITY OF UTAH OR UALC USERS

### SilverPlatter MEDLINE 1983-1997

The Eccles Library and the Utah Academic Library Consortium (UALC) offer access to SilverPlatter's version of MEDLINE utilizing client software for Windows or Macintosh, or by using a Web browser and SilverPlatter's WebSPIRS software.

Instructions for downloading, installing and reconfiguring the clients are located on the Eccles Library MEDLINE page at <http://www-medlib.med.utah.edu/reference/medline.html>. UALC instructions are at <http://www-medlib.med.utah.edu/reference/medualc.html>. (See also the Update article in this newsletter on page 3.)

The Windows software (WinSPIRS) is particularly powerful and versatile, offering full boolean capabilities, hierarchical searching utilizing the MeSH vocabulary, highlighted hits, and much **faster** retrieval than any Web version of the database.

University of Utah or UALC students, staff or faculty not wishing to load client software may simply point their browsers to [http://medstat.med.utah.edu/cgi-bin/webspirs\\_disp](http://medstat.med.utah.edu/cgi-bin/webspirs_disp) or click on the "Search WebSPIRS" icon on our MEDLINE page: <http://www-medlib.med.utah.edu/reference/medline.html>. The WebSPIRS version is also linked from Marriott Library's database page at: <http://www.lib.utah.edu/dbaccess/uu.html>

Access to this service is limited to IP addresses from the University of Utah or one of the other UALC schools: BYU, USU, Westminster, CEU, etc.

## UNIVERSITY OF UTAH USERS ONLY

### FirstSearch MEDLINE: 1985-1997

The FirstSearch version of MEDLINE is available in two formats from Marriott Library. A Web version is accessible at: <http://www.lib.utah.edu/dbaccess/uu.html> or you may telnet to Infogate:

```
telnet infogate.lib.utah.edu
select "i" for FirstSearch
select "8" for Medicine & Health
select "6" for MEDLINE
```

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While the FirstSearch version lacks the hierarchical searching capability of SilverPlatter, it offers a "hook to holdings" feature. Once records are retrieved, searchers may type "lib" to see a brief summary of libraries with holdings for that journal. Utah holdings will display first. (In the Web version, simply click on "Libraries with Item.") It also has excellent help screens, both for general manipulation of FirstSearch databases, and for searching the MEDLINE file.

## **Community of Science MEDLINE: 1965-1997**

Also available on Marriott Library's database page: <http://www.lib.utah.edu/dbaccess/uu.html>. (See the discussion below.)

## **NON-UNIVERSITY OF UTAH USERS**

For non-University of Utah users, or those utilizing a commercial Internet provider, many other options exist. An excellent starting point is on the Medical Matrix Page from Slack Incorporated in New Jersey: <http://www.slackinc.com/matrix/medline.html>. Dr. Gary Malet maintains an updated, ranked, annotated list of MEDLINEs on the Web. His rankings include cost, usage restrictions, search features, concept matching, advantages, other comments, and full-text access or document delivery. They can be displayed either in list or table format, and each service is linked from the Matrix page. (The MEDLINE Access table from Medical Matrix is represented on page 18 of this newsletter.)

Some examples:

### **Community of Science**

<http://muscat.gdb.org/repos/medl/>

The Community of Science MEDLINE from Johns Hopkins, offers sophisticated access to the full run of MEDLINE from 1965 forward. Searchers have many options and lots of online help.

*Search the entire Medline Database*, the first menu option, provides access to all of MEDLINE via a "compact" field searching interface which displays commonly-used fields: Title, Author, Institutional affiliation, Journal Name, Abstract, MeSH Heading, and Year. Query boxes are also available for Section (i.e. year of publication), UNIQUE ID (the unique identification number assigned to each MEDLINE record by the National Library of Medicine), Volume, Page, Language, and Type (i.e., record type).

Retrieval can be requested either in list or tabular format, and the system includes a "Citation Manager" which allows downloading of all or selected records in formats such as HTML, ASCII, *EndNote*, or *ReferenceManager* with the fields you want (i.e., author, title, source, abstract, MeSH Headings, etc.)

Searches can be restricted by a *Secondary Search* feature, which allows the combination of multiple search queries.

Other search options include: *Advanced Interface for Information Specialists*, *Search Using Natural Language and Fuzzy Logic*, and *Browse or Search Medline by MeSH Terms*.

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The MeSH option allows you to search for MeSH terms, browse them, apply subheadings, and gather entire subject categories of information just as in SilverPlatter or "online" MEDLINE from NLM.

This is an excellent version of MEDLINE with search options on many levels. Note: Searching directly or via the Matrix page is usually faster than via the University of Utah entry point on Marriott Library's home page, but may not remain free.

## **HealthGate**

<http://www.healthgate.com/HealthGate/MEDLINE/search.shtml>

HealthGate, "Your online source for health, wellness, and biomedical information," offers free MEDLINE searching sponsored by advertising, many consumer resources, and access to other databases for a fee.

Dr. Malet rates this service very highly and describes it as "an intuitive interface that gives advanced users many options to focus queries. The full text delivery service is relatively expensive." My assessment is that while it is probably appropriate for consumers and the occasional MEDLINE user, the serious researcher may find it lacking, and its animated advertising irritating. The basic interface is simple and unimposing, but has no help screens. It assumes you don't know what you're doing, and utilizes ReADER<sup>(TM)</sup> Technology to "translate your words automatically into the appropriate indexing terminology, command language, or search query necessary." This is great for the novice, but not for the expert. Even the "advanced" option lacks search flexibility. Each search is a separate entity. One cannot manipulate previous search "statements" or retrieval.

I do agree with Dr. Malet on the expense of full text. Each citation retrieved has the linked statement "Order full text of this document," and conveniently pastes the selected citation onto a form. This is document delivery, not electronic full text. Articles sent in US Mail are \$20, and faxes are \$35.

## **NLM's PubMed MEDLINE Retrieval System**

<http://www4.ncbi.nlm.nih.gov/PubMed/>

"PubMed is an experimental service of the National Center for Biotechnology Information (NCBI) at the National Library of Medicine (NLM). PubMed has been developed in conjunction with publishers of biomedical literature as a search tool for accessing literature citations and linking to their full-text versions at publishers' Web sites. PubMed searches the 9 million citations in MEDLINE supplemented by pre-MEDLINE citations which do not yet have MeSH index terms and by citations supplied electronically by publishers."

PubMed utilizes the NCBI Entrez retrieval engine to search the entire MEDLINE database plus citations from NLM's new PreMEDLINE file, which is updated daily. Furthermore, citations from a small set of journals are linked with publisher's home pages. When full text is available, this is indicated on the citation/abstract display with "Links" and a button with the journal name. The link takes you directly to the article if you have agreements with the publishers. Note: Most journals require you to subscribe or pay a fee in order to view the full

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text of an article. Eccles Library has arranged electronic access for most of the journals on the list and is negotiating for the others. The linked journals are: *Biochemical Journal*, *Journal of Biological Chemistry*, *Journal of Clinical Investigation*, *Journal of Neuroscience*, *New England Journal of Medicine*, *Nucleic Acids Research*, and *Science*.

PubMed is exciting for several reasons.

- It offers access to PreMEDLINE, which is much more current than MEDLINE. For example, the February 27th issue of *Nature* was entered into the PreMEDLINE database on March 4. That's approximately a month ahead of the online MEDLINE and considerably ahead of what's included in SilverPlatter.
- The Entrez retrieval engine is extremely fast for a Web interface.
- The links to full text hopefully will expand greatly and become the model we've all been waiting for ... a powerful and usable search engine linked directly to text.

These are only three of the many versions listed on the Medical Matrix page. Others are excellent as well. As with everything on the Web, MEDLINE resources are constantly changing. Dr Malet has done an excellent job of regularly updating the Medical Matrix page and the Eccles Library will attempt to notify you of any changes we've made in MEDLINE services. Announcements are made on our Web page, in the *IAIMS Newsletter*, and via library faculty who act as liaisons to departments.

If you've discovered exciting resources or would like to offer feedback on this article, please send email to [maryy@ecclab.med.utah.edu](mailto:maryy@ecclab.med.utah.edu). For further information or assistance, please contact the Eccles Reference Department in person, by phone (801) 581-5534 or via email: [reference@ecclab.med.utah.edu](mailto:reference@ecclab.med.utah.edu).

## MEDICAL MATRIX

Ranked, Peer-Reviewed,  
Annotated, Updated  
Clinical Medicine Resources

- 
- |            |             |                     |
|------------|-------------|---------------------|
| ● MEDLINE  | ● NEWS      | ● FORUMS            |
| ● JOURNALS | ● RX ASSIST | ● PATIENT EDUCATION |
| ● CME      | ● TEXTBOOKS | ● CLASSIFIEDS       |
- 

*check new listings ● suggest a new URL ● rate current sites  
about MEDICAL MATRIX*

*site selection by the Editorial Board ● web mastering by SLACK Incorporated*

The **Medline Access** table on the following page is from the Medical Matrix Web site (<http://www.slackinc.com/matrix/MEDLINETABLE.HTML>) and is reproduced with the permission of Dr. Gary Malet, Medical Informatics Fellow, and Family Physician at Oregon Health Sciences University.

**MEDLINE ACCESS**

<i>Service</i>	<a href="#">Community of Science</a> ★★★★	<a href="#">HealthGate</a> ★★★	<a href="#">NLM's PubMed</a> ★★★★	<a href="#">Medscape</a> ★★★★	<a href="#">Helix from Glaxo</a> ★★★★	<a href="#">PhyNet</a> ★★★★	<a href="#">PDRnet.Com</a> ★★★★
<i>Cost</i>	Free	Free	Free	Free	Free	Free	Free
<i>Usage Restrictions</i>	Immediate access, Fee after 2/28	Immediate access, Medline 1990 - current	Immediate access, "Experimental"	Registration	U. S. Professional Registration	Immediate access	Physician DEA Registration
<i>Search Features</i>	Natural Language, Boolean	Boolean	Boolean Operators	Boolean Symbols	N/A	N/A	N/A
<i>Concept Matching</i>	MeSH	MeSH	MeSH	N/A	MeSH	MeSH	N/A
<i>Advantages</i>	★ Integrated MeSH, Multiple Selection Criteria	Advanced Option	★ preMedline, Publisher Web Sites	★ Integration with Full Text Articles	Advanced Options, Icons	Fast Connect	N/A
<i>Comments</i>	Tabular Pick List, Tracks Queries, ★ Citation Formatter	Limited search criteria, Ads, Slow Connect	Complex Help & Query	Ads, No Reference Manager, Limited Search Criteria	Limited Search Criteria, Uses SilverPlatter	Limited Search Criteria, Construction, No Reference Manager	N/A
<i>Full-text Access</i>	None	\$20.00	None	\$8+ fee	\$16.75 Fax	\$8+ fee	N/A

<i>Service</i>	<a href="#">PDRnet.Com</a> ★★★★	<a href="#">Avicenna</a> ★★★★	<a href="#">SilverPlatter</a> ★★	<a href="#">Knowledge Finder</a> ★★	<a href="#">Internet Grateful Med</a> ★★★	<a href="#">Ovid On Call</a> ★★	<a href="#">Infotrieve</a> ★★	<a href="#">Paper Chase</a> ★★
<i>Cost</i>	Free	Free	Fee	Free Trial	Fee-based	Fee-based	Free	Fee-based
<i>Usage Restrictions</i>	Physician DEA Registration	Registration, 90-current	Registration	Registration	Complex Registration	Complex Registration	N/A	Registration
<i>Search Features</i>	N/A	N/A	N/A	★ Natural Language, Boolean	N/A	Natural Language	N/A	N/A
<i>Concept Matching</i>	N/A	MeSH	MeSH	N/A	MeSH	MeSH	N/A	MeSH
<i>Advantages</i>	N/A	★ Multiple search criteria, ★ MeSH Search Focus	Icon Driven, Adv. Options	Handsome Interface	★ Integrates MeSH, ★ Help Features	★★ Hyperlinks Full Text, Help Menus	N/A	Relevance Ranking
<i>Comments</i>	N/A	No Reference Manager, Advanced Option	Limited Search Criteria	N/A	NLM's Frontier Interface	Institutional Interface	N/A	Multiple Search Criteria, Databases
<i>Full-text Access</i>	N/A	None	\$12.75 incl.	None	E-mail Delivery	Fee-based	N/A	N/A

The purpose of the *IAIMS Newsletter* is to keep the campus community informed on all aspects of computer and information technology as well as on the services provided by the Spencer S. Eccles Health Sciences Library. Articles on computer and information technology events, applications, services, education, etc. are welcome. To contribute articles to the *IAIMS Newsletter*, contact Jeanne M. Le Ber at the address indicated below.

**The deadline for the Summer 1997  
issue of the *IAIMS Newsletter* is:  
June 1, 1997.**

The *IAIMS Newsletter* is available electronically via the World Wide Web at <http://www-medlib.med.utah.edu/iaims/iaims.html>. If you would like to receive a copy of the electronic version in **PDF format**, send an email message to: [listserv@ecclab.med.utah.edu](mailto:listserv@ecclab.med.utah.edu). The text of the message you send should include ONLY the following words: **subscribe IAIMS**

To be added to the **printed** newsletter mailing list, send the following information to: Jeanne M. Le Ber, Editor, *IAIMS Newsletter*, Spencer S. Eccles Health Sciences Library, University of Utah, Building 589, Salt Lake City, UT 84112. VOICE: (801) 581-5534. FAX: (801) 581-3632. INTERNET: [jeannele@ecclab.med.utah.edu](mailto:jeannele@ecclab.med.utah.edu).

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**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_

**State/Zip Code:** \_\_\_\_\_

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