



MC/SCUG

Medical Center / Small Computer Users Group

Wednesday, January 3, 1996

NOON

JAVA: the Programming Language for the Internet

Jo Ann Funseth

System Engineer, Sun Microsystems

JAVA is the first programming language designed to meet the challenges of application development for the Internet. When integrated into Web pages, JAVA applets allow expert graphics rendering, real-time interaction with users, live information updating and instant interaction with servers. Come learn why the Web is so excited about JAVA and its capabilities. Challenge yourself to consider how you might incorporate JAVA applets into your Web pages or use Web resources developed with JAVA.

Be sure to come with your questions, your lunch and your friends to the next MC/SCUG meeting, Wednesday, January 3, 1996 at NOON in Classroom C, School of Medicine Building.

ABOUT THE 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 of all types. Monthly presentations focus on current topics of interest. There is no membership fee. You are welcome whenever you are able to come. MC/SCUG meetings are held on the first Wednesday of the month (except during the Summer Quarter) in Classroom C, School of Medicine Building. If you would like more information about MC/SCUG or if you would like to suggest a topic for a MC/SCUG meeting, please contact Joan M. Gregory, Coordinator, MC/SCUG, Spencer S. Eccles Health Sciences Library, (801) 581-5269, INTERNET: joang@ecclab.med.utah.edu. If you are interested in receiving e-mail notification of future MC/SCUG meetings, send an e-mail message to: listserv@ecclab.med.utah.edu. The text of the message you send should include ONLY the following words: **subscribe MCSCUG**

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• LIBRARY SERVICES NEWS
EDITOR: JEANNE M. Le BER •
COPY EDITOR: JEFF SEAMAN

COMPUTER-BASED LEARNING DISCUSSION GROUP

New Multimedia Support Services at Eccles Health Sciences Library

Thursday,
January 11, 1996
NOON - 1:00 pm
History of Medicine
Room, Eccles Library

INTERNET BASICS

Finding Information On The Internet: Yahoo!

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

The Spencer S. Eccles Health Sciences Library recently received funding from the National Library of Medicine to create a Multimedia Support Center for health sciences education. The grant provides funding to create an online Multimedia Library consisting of important multimedia events, including digitized photographs, clip art, sounds, full-motion digitized video, case studies, and textual information. These multimedia events will be available on the Internet through the World Wide Web. The Multimedia Library will serve as a databank of accumulated faculty expertise which can then be transformed into new knowledge structures appropriate to individual teaching styles. Principal investigators for the grant are Sharon Dennis, Assistant Librarian, Computer and Media Services at Eccles Health Sciences Library, and Paul Burrows, Multimedia and Video Producer/Director at KUED Media Solutions. Team members include instructional designers, graphics artists, video production artists, and programmers.

What can the new multimedia support services at Eccles Health Sciences Library do for you? If you have an idea for creating resources for health sciences education, or if you would like to learn more about possibilities for using new media to support health sciences education, come to the next meeting of the Computer-Based Learning Discussion Group, on January 11, 1996 from NOON - 1 pm in the History of Medicine Room at the Eccles Health Sciences Library. Sharon Dennis and Paul Burrows will discuss the goals of the Multimedia Support Center and grant team members will be on hand to answer questions.

For more information, contact Sharon E. Dennis at (801) 585-3928, or via electronic mail: sdennis@ecclab.med.utah.edu.

As the Internet grows exponentially in scope, it becomes increasingly important for users to take advantage of the search tools available. There are many sites providing excellent navigational aids on the Internet today. This series of articles will highlight some of the more useful sites we've found. The first site we will review is **Yahoo!**



What is Yahoo?

Yahoo is a searchable, browsable subject oriented index of Internet information. It began as the project of two Stanford University graduate students, David Filo and Jerry Yang, but became so popular as an Internet search tool that it is now a privately funded company. Yahoo provides a hierarchical menu of major subject

INTERNET BASICS

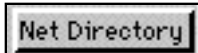
Finding Information On The Internet: Yahoo!

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

categories for browsing Internet resources and also allows keyword searching of the **Yahoo!** database.

Browsing Yahoo!

If you just want to "surf" around to see what's on the Internet, Yahoo! is a great place to start. If you are using *Netscape* as your World Wide Web Browser, you can easily get to Yahoo! by clicking on the Net Directory Button at the top of the *Netscape* window.



From that page, just click on **YAHOO DIRECTORY** or any topic you want to browse and you're on your way! If you are not using *Netscape*, use the Open Location or Open URL feature of your browser to go to: **http://www.yahoo.com/**

From Yahoo!'s main page, you'll find links to each of the Yahoo! Features: What's New, What's Cool, What's Popular, and Random Link, which takes you to a randomly selected site on the Web. The latest news Headlines are provided by Reuters news service and are updated hourly!

Navigating Yahoo! Menus

Throughout Yahoo!, categories are marked in bold text. To move down into the subject hierarchy, simply click on a category name and the next level of menus will be displayed. These are the top level subject categories today:

- Arts** - - Humanities, Photography, Architecture, ...
- Business and Economy [Xtra!]** - - Directory, Investments, Classifieds, ...
- Computers and Internet** - - Internet, WWW, Software, Multimedia, ...
- Education** - - Universities, K-12, Courses, ...
- Entertainment [Xtra!]** - - TV, Movies, Music, Magazines, Books, ...
- Government** - - Politics [Xtra!], Agencies, Law, Military, ...
- Health** - - Medicine, Drugs, Diseases, Fitness, ...
- News [Xtra!]** - - World [Xtra!], Daily, Current Events, ...
- Recreation** - - Sports [Xtra!], Games, Travel, Autos, ...
- Reference** - - Libraries, Dictionaries, Phone Numbers, ...
- Regional** - - Countries, Regions, U.S. States, ...
- Science** - - CS, Biology, Astronomy, Engineering, ...
- Social Science** - - Anthropology, Sociology, Economics, ...
- Society and Culture** - - People, Environment, Religion, ...

Searching Yahoo!

If you're looking for information on a specific topic, try using Yahoo! search. Specify a keyword or set of keywords by typing them into the box in front of the Search Button.



Yahoo! will search its entire database (not the entire Internet) to find listings that match the words you enter. You'll find a search box or search button at the top of

INTERNET BASICS

Finding Information On The Internet: Yahoo!

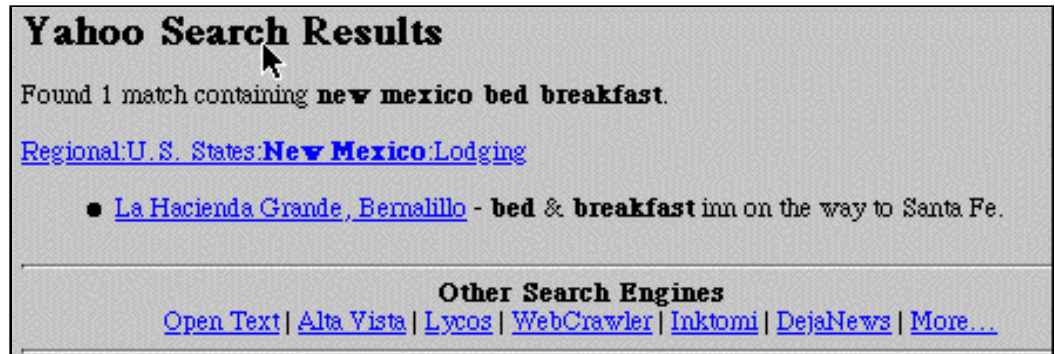
by
Nancy T. Lombardo,
Affiliate Librarian,
Spencer S. Eccles
Health Sciences
Library

LIBRARY SERVICES NEWS

News From The Stacks

by
Amy Mortensen,
Stacks Manager,
Spencer S. Eccles
Health Sciences
Library

every Yahoo! page. Unless you specify otherwise, Yahoo! will search titles, URLs, and comments to find listings that contain all of your keywords. If you want to customize your search, click on the Options link just to the right of the Search Button and you'll find several options you can select.



Yahoo Search Results

Found 1 match containing **new mexico bed breakfast**.

[Regional:U.S. States:](#)**New Mexico**:[Lodging](#)

- [La Hacienda Grande, Bernalillo](#) - **bed & breakfast** inn on the way to Santa Fe.

Other Search Engines

[Open Text](#) | [Alta Vista](#) | [Lycos](#) | [WebCrawler](#) | [Inktomi](#) | [DejaNews](#) | [More...](#)

Yahoo! Search Results

Yahoo! searches retrieve different kinds of information, including Yahoo! categories that match your keywords, sites that match your keywords, and the Yahoo! categories where those sites are listed. This way, you can click on any link to go directly to retrieved sites, or browse around relevant Yahoo! categories for related information. If you are not satisfied with the results you retrieve from the Yahoo! database, click on one of the **Other Search Engine** links. Yahoo! will automatically initiate a search with your keywords in that search engine. Different search engines retrieve different results, so this may bring you more sites.

Where are the 1989 journals?

The 1989 bound journals have been shifted downstairs to make room for the incoming 1996 issues. As always, if the issue you need is not located in the proper place, ask at the Circulation Desk. We will place a search on it and contact you when it is found.

Plea bargaining available for those who have overdue books!

I have always been notorious for not returning library books on time, and now it is my job (and my penance) to bill those people who have books that are extremely overdue. Therefore, I am open to plea bargaining, but I must also ensure that everyone has equal access to materials within the library.

What follows are the Eccles Library checkout policies and renewal procedures. The purpose of these policies and procedures is to ensure that library materials are returned for others to use. Should you have questions, suggestions, or a plea, contact Amy Mortensen at (801)581-8772 or by e-mail: amortensen@ecclab.med.utah.edu.

Eccles Library Checkout Policies and Fine Schedule

The Eccles Library applies checkout policies equally to University of Utah

LIBRARY SERVICES NEWS

News From The Stacks

by
Amy Mortensen,
Stacks Manager,
Spencer S. Eccles
Health Sciences
Library

students, staff, and faculty. Library permit card holders, and students, staff and faculty from other Utah universities or colleges may check out books, theses and documents, but not journals.

Material Type	Loan Period	Fine	
Books, theses, and documents	2 week loan period. 2 renewals allowed.	1-7 days overdue After 7th day Maximum fine	No fine \$.25/day \$10.00
Bound Journals	3 day loan period. No renewals allowed.	1 day overdue After one day Maximum fine	No fine \$1.00/day \$25.00
Open or Closed Reserve	Overnight loan: Check out 2 hours before closing; due 1 hour after the library opens the following day.	1 hour overdue After one hour Maximum fine	No fine \$1.00/hour \$25.00
Recalls	Items requested by another borrower will not be recalled until they are overdue.	1-3 days overdue After 3 days Maximum fine	No fine \$1.00/day \$25.00

Renewals

You may renew books up to one week after they are due, as long as they have not been requested by another borrower. You may renew books in person or by phone at (801)581-8772. The assistant will need only your name and social security number.

Billing

Reminder notices are sent during the first 30 days that materials are overdue. After thirty days, we will call to request that item(s) be returned. Once library materials are sixty days overdue, you will be billed for the replacement cost of the material(s), the maximum fine, plus a \$5.00 invoice fee.

Winter Quarter Hours:

Monday - Thursday 7:00AM - 11:00PM
Friday 7:00AM - 8:00PM
Saturday 9:00AM - 8:00PM
Sunday 11:00AM - 11:00PM

The Spencer S. Eccles Health Sciences Library will be open regular hours on all holidays during Winter Quarter.

LIBRARY SERVICES NEWS

Eccles Library
Hours,
Winter 1996

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.

Special sessions and subject-specific sessions for those affiliated with the University of Utah may be arranged by contacting the instructors directly.

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 October, January, April and June issues of the *IAIMS Newsletter*. The Winter Quarter 1996 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. If for any reason you need to cancel, please call at least 48 hours in advance. Refunds will only be issued with 48 hours notice. Phone registration will be accepted only 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).

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: _____

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: Jeanne M. Le Ber; (801) 581-5534; INTERNET: jeannele@ecclab.med.utah.edu.

Introduction to CD-ROM Databases

Participants learn the basic mechanisms for searching CD-ROM databases that

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are available at the Eccles Library. Databases include: Aidsline, Bioethicsline, CINAHL (Nursing & Allied Health Literature), HealthPlan, MEDLINE, Sport Discus, TOXLINE and PsycLIT. Arrangements can be made for a date and time that better suits your schedule. Instructors: Jeanne M. Le Ber; (801) 581-5534; INTERNET: jeannele@ecclab.med.utah.edu, or Patricia Arter; (801) 581-4686; INTERNET: parter@ecclab.med.utah.edu

Thursday, January 4, 1996	10:00 am - 11:00 am
Friday, January 12, 1996	1:30 pm - 2:30 pm
Tuesday, January 16, 1996	11:30 am - 12:30 pm
Friday, January 26, 1996	1:30 pm - 2:30 pm
Thursday, February 8, 1996	12:30 pm - 1:30 pm
Thursday, February 22, 1996	3:00 pm - 4:00 pm
Friday, March 1, 1996	1:30 pm - 2:30 pm
Friday, March 8, 1996	1:30 pm - 2:30 pm

Basics of Searching MEDLINE on SilverPlatter CD-ROM

Designed as a follow-up to the introductory CD-ROM class, this 2.5 hour hands-on session gives a more in-depth look at the MEDLINE database via SilverPlatter software, including utilization of Medical Subject Headings, improving search efficiency, and the application of quality filters. Hands-on experience with both DOS and Windows versions provided. Free to students; \$15 for all others. Instructor: Mary E. Youngkin; (801) 581-5534; INTERNET: maryy@ecclab.med.utah.edu

Thursday, January 11, 1996 10:00 am - 12:30 pm

MEDLINE via WinSPIRS and WebSPIRS

If you've moved from DOS to Windows or the WEB, try this 2.5 hour hands-on class in searching MEDLINE via SilverPlatter's Windows software, WinSPIRS, and their World Wide Web software, WebSPIRS. Previous experience with SilverPlatter MEDLINE and *Netscape* recommended. Free to students, \$15 for all others. Instructor: Mary E. Youngkin, (801) 581-5534; INTERNET: maryy@ecclab.med.utah.edu

Thursday, February 15, 1996 3:00 pm - 5:30 pm

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, or Nina E. Dougherty, (801) 581-8771; INTERNET: 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

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instructors
directly.

environment. Contact the instructor to arrange for a class. Instructor: Kathleen M. McCloskey; (801) 585-5743; INTERNET: kmc@ecclab.med.utah.edu.

Internet Overview

Location: Eccles Library, History of Medicine Room

This 3 hour demonstration-only class is designed to give you a basic overview of the Internet. The class will cover the history and development of the net, methods of accessing the Internet, an introduction to the basic tools, (including E-mail, Telnet, FTP, News, Gopher, and World Wide Web) and exploration of Internet resources. Recommended as a prerequisite for hands-on Internet classes. No registration required. Instructors: Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu, or 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, January 17, 1996

9:00 am - NOON

Communicating on the Internet

Internet communication tools allow you to communicate with people in the next room as easily as with people all over the world. This course examines the major Internet communication tools which include electronic mail, electronic discussion groups, and newsgroups. Participants get hands-on practice and can compare the features of the various tools. The *Eudora* e-mail package and the *Netscape* newsreader are the software tools used. Cost: \$5 for students; \$25 for University of Utah faculty and staff; \$50 all others. Instructors: Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu, or 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, January 31, 1996 PC

9:00 am - 11:30 am

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 YAHOO, WebCrawler, Veronica, Jughead, Archie 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: Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu, or 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, February 14, 1996 PC

9:00 am - NOON

Providing Information on the Internet (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. Instructor: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu, or Nancy

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directly.

Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu, or
Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu.

Tuesday, February 20, 1996 MAC 9:00 am - NOON
Tuesday, February 27, 1996 PC 9:00 am - NOON

Creating Educational Presentations Using *PowerPoint*

Learn how to use *PowerPoint 4.0* 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 Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu, or Nancy Lombardo; (801) 581-5241; INTERNET: nlombardo@ecclab.med.utah.edu

Tuesday, March 5, 1996 9:00 am - NOON

Bibliographic Management

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

***EndNote* for the Macintosh**

Wednesday, February 28, 1996 3:00 pm - 5:00 pm

***Papyrus* for the PC**

Monday, March 4, 1996 3:00 pm - 5:00 pm

Using the National Center for Health Statistics Data Tapes

The National Center for Health Statistics is a central source of health-related data in the U.S.A. Learn to access the NCHS data tapes at the University of Utah. Contact the instructor to arrange for a class. Instructor: Dr. Mike Lincoln; (801) 581-4080; INTERNET: mlincoln@msscc.med.utah.edu.

Medical Center/Small Computer Users Group

Location: Classroom C, School of Medicine Building

MC/SCUG is an informal group of computer users who enjoy keeping informed about the latest developments in computer applications of all types. Monthly presentations focus on current topics of interest. No registration required. Coordinator: Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu.

Wednesday, January 3, 1996 NOON - 1:00 pm

Wednesday, February 7, 1996 NOON - 1:00 pm

Wednesday, March 6, 1996 NOON - 1:00 pm

Wednesday, May 1, 1996 NOON - 1:00 pm

Wednesday, June 5, 1996 NOON - 1:00 pm

Computer-Based Learning Discussion Group

Location: History of Medicine Room, Eccles Library

The purpose of the group is to share information about developing and evaluating

ECCLES LIBRARY CLASSES

Descriptions
and Schedules

For more
information, call
(801) 581-5534

ANNOUNCING INFOFAIR '96

Becoming Digital

Thursday,
April 11, 1996

CALL FOR
EXHIBITORS
DEADLINE:
January 15, 1996

computer-based learning as well as curriculum integration issues. Coordinator: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu.

Thursday, January 11, 1996	NOON - 1:00 pm
Thursday, February 8, 1996	NOON - 1:00 pm
Thursday, March 14, 1996	NOON - 1:00 pm

INFOFAIR '96: Becoming Digital

Location: Lower Level, Eccles Library

InfoFair is an annual computer and information fair providing 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. **REGISTRATION INFORMATION for INFOFAIR '96 WORKSHOPS will be printed in the February 1996 issue of the IAIMS Newsletter.** Coordinator: Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu.

Thursday, April 11, 1996 9:30 am - 4:30 pm

InfoFair is an annual computer and information fair providing 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. **REGISTRATION INFORMATION for INFOFAIR '96 WORKSHOPS will be printed in the February 1996 issue of the IAIMS Newsletter.** Coordinator: Joan M. Gregory; (801) 581-5269; INTERNET: joang@ecclab.med.utah.edu.

Thursday, April 11, 1996 9:30 am - 4:30 pm

InfoFair is an annual computer and information event at the University of Utah Health Sciences Center with the goal of providing an opportunity for health professionals at the University of Utah and throughout the state 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. **InfoFair '96** (Thursday, April 11, 1996), a full-day event, will include presentations, exhibits and workshops focused on the theme: **Becoming Digital.**

The challenge to "become digital" is ever present at the University of Utah Health Sciences Center as the colleges, the hospital and the library attempt to provide access to health sciences information and services for faculty, staff and students at the University of Utah as well as for practicing health care professionals throughout the state. Whether the information be patient records, drug information, MEDLINE citations, full text of journal articles and technical reports, or support for medical decision making, the challenge to make all this information available electronically requires planning, funding, sophisticated computer technology, expert technical support and continuous maintenance. InfoFair '96 will attempt to address where we are today and where we want to be in the future as we "become digital."

ANNOUNCING INFOFAIR '96

Becoming Digital

Thursday,
April 11, 1996

CALL FOR
EXHIBITORS
DEADLINE:
January 15, 1996

UUC INTERNET SEMINARS

Winter 1996

All classes start at
NOON in Room 3465
MEB unless
otherwise
indicated.

InfoFair '96 exhibits will focus on the theme: **Becoming Digital**. If you are interested in demonstrating or exhibiting a program or application which you have developed or if you would like to recommend a particular program or vendor for inclusion in the exhibit area or in the workshop or demonstration schedule, or if you would just like more information about InfoFair, contact: Joan M. Gregory, Coordinator, InfoFair, Spencer S. Eccles Health Sciences Library. PHONE: (801) 581-5269. FAX: (801) 581-3632 INTERNET: joang@ecclab.med.utah.edu.

The **DEADLINE** for Exhibitor/Demonstrator Pre-Registration is: **January 15, 1996**. NOTE: InfoFair '96 exhibits must focus on the theme: **Becoming Digital**. If your company or department would like to have an exhibit or demonstration at InfoFair '96, please send the following pre-registration information to: Joan M. Gregory, Coordinator, InfoFair, Spencer S. Eccles Health Sciences Library. PHONE: (801) 581-5269. FAX: (801) 581-3632 INTERNET: joang@ecclab.med.utah.edu.

NAME: _____

DEPARTMENT: _____

COMPANY/INSTITUTION: _____

ADDRESS: _____

PHONE: _____ FAX: _____

ELECTRONIC MAIL ADDRESS: _____

TOPIC/FOCUS OF YOUR EXHIBIT: _____

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. Seating is first come, first served. All classes start at NOON. In 3465 MEB, unless otherwise indicated.

Our electronic version of this is available via the University of Utah web site: http://www.utah.edu/HTML_Docs/Schedules/comp_cal.html. For further information, contact Jay Deuel, Computer Center, (801) 581-8343, Internet: jay@cc.utah.edu or the Computer Center Help Line at (801) 585-4357 (585-HELP).

Survey of MS PowerPoint
Internet History, Jargon & Etiquette
Survey of MS Word 6

January 8, 1996
January 9, 1996
January 10, 1996

UCC INTERNET SEMINARS

Winter 1996

All classes start at
NOON in Room 3465
MEB unless
otherwise
indicated.

E-Mail: Basics	January 11, 1996
Survey of MS Photoshop	January 16, 1996
Macintosh Tips	January 17, 1996
E-Mail: using PINE	January 18, 1996
Survey of Windows 95	January 22, 1996
Modem Dialup & SLIP	January 23, 1996
Survey of HyperCard (Macintosh)	January 24, 1996
E-Mail: using Eudora (Macintosh)	January 25, 1996
Gopher - Jughead & Veronica	January 29, 1996
Transferring Files with a Modem	January 30, 1996
News Groups	January 31, 1996
E-Mail: using Pegasus (Windows) (304B Marriott)	February 1, 1996
World-Wide Web	February 5, 1996
The "Internet Client Kit" (Windows)	February 6, 1996
Netscape Navigator & URLs	February 7, 1996
Computerized Periodical Indexes	February 8, 1996
Creating WWW Home Pages (Documents, Graphics, Sound, etc.)	February 12, 1996
Archie & FTP	February 13, 1996
HTML Introduction	February 14, 1996
First Search (Library Catalogs and Indexes)	February 15, 1996
Basic UNIX Commands	February 20, 1996
HTML Tips	February 21, 1996
COMPENDEX, METADEX & INSPEC (Engineering Periodical Indexes)	February 22, 1996
Excel (part 1)	February 26, 1996
Excel (part 2)	February 27, 1996
Excel (part 3)	February 28, 1996
Excel (part 4)	March 1, 1996
Creating a Web Server	March 4, 1996
CGI Programming	March 5, 1996
E-Mail: Basics	March 6, 1996
CGI & HTML Forms	March 7, 1996

UCC SHORT COURSES

Registration
Information

The University of Utah Computer Center (UCC) offers a variety of short courses. Register **IN PERSON** at the facility where the course is scheduled to be taught. Courses are free to registered students. A fee of \$15 per course is charged for staff, faculty and their spouses. The fee for non-University of Utah participants is \$50 per session. Courses are offered at the Computer Center (801) 581-6802, Marriott Library (801) 581-6494, and the Spencer S. Eccles Health Sciences Library (801) 581-8052. Courses may be cancelled unless there are at least 5 people registered 2 hours before class time or if there are fewer than 5 in attendance at class time. [Classes at Eccles Library are highlighted in **bold type**.]

**UCC
MAC
SHORT
COURSES**
Winter 1996

Registration
Information on
page 12.

**UCC
PC
(WINDOWS)
SHORT
COURSES**
Winter 1996

Registration
Information on
page 12.

Macintosh Classes

304A Marriott Library
3465 Merrill Engineering Building
Mac Lab, Lower Level, Eccles Library

Introduction To The Mac	1/9/96	9:55am-11:50am	3465 MEB
Introduction To The Mac	1/17/96	2:15pm-4:10pm	3465 MEB
Introduction To The Mac	1/23/96	9:55am-11:50am	3465 MEB
Introduction To The Mac	1/29/96	9:55am-11:50am	304A Marriott
Introduction To The Mac	2/7/96	2:15pm-4:10pm	304A Marriott
Introduction To The Mac	2/13/96	9:55am-11:50am	304A Marriott
MS Word 5.1 (part 1)	1/9/96	9:55am-11:50am	304A Marriott
MS Word 5.1 (part 1)	2/5/96	9:00am-11:00am	Eccles Library
MS Word 5.1 (part 1)	2/12/96	2:15pm-4:10pm	304A Marriott
MS Word 5.1 (part 2)	1/11/96	9:55am-11:50am	304A Marriott
MS Word 5.1 (part 2)	2/6/96	9:00am-11:00am	Eccles Library
MS Word 5.1 (part 2)	2/14/96	2:15pm-4:10pm	304A Marriott
Moving To MS Word 6.0	1/24/96	2:15pm-4:10pm	3465 MEB
MS Word 6.0 (part 1)	1/25/96	9:55am-11:50am	3465 MEB
MS Word 6.0 (part 2)	1/30/96	9:55am-11:50am	3465 MEB
MS Word 6.0 (part 3)	2/1/96	9:55am-11:50am	3465 MEB
Claris Works (Word Processing)	1/11/96	9:55am-11:50am	3465 MEB
Claris Works (Graphics)	1/16/96	9:55am-11:50am	3465 MEB
Claris Works (Spreadsheet & Database)	1/18/96	9:55am-11:50am	3465 MEB
Spreadsheets with Excel (part 1)	1/23/96	9:00am-11:00am	Eccles Library
Spreadsheets with Excel (part 1)	2/13/96	9:55am-11:50am	3465 MEB
Spreadsheets with Excel (part 2)	1/25/96	9:00am-11:00am	Eccles Library
Spreadsheets with Excel (part 2)	2/15/96	9:55am-11:50am	3465 MEB
Scanning Text & Images	2/5/96	2:15pm-4:10pm	3465 MEB
Databases with FileMaker Pro	2/6/96	9:55am-11:50am	3465 MEB
PowerPoint	2/8/96	9:55am-11:50am	3465 MEB
Photoshop (part 1)	2/20/96	9:55am-11:50am	3465 MEB
Photoshop (part 2)	2/22/96	9:55am-11:50am	3465 MEB

PC (WINDOWS) Classes

304B Marriott Library
PC Lab, Lower Level, Eccles Library

Introduction To The PC	1/9/96	9:55am-11:50am	304B Marriott
Introduction To The PC	1/16/96	7:00pm-9:00pm	304B Marriott
Introduction To The PC	1/29/96	9:00am-11:00am	Eccles Library
Windows Introduction	1/9/96	2:15pm-4:10pm	304B Marriott
Windows Introduction	1/11/96	9:55am-11:50am	304B Marriott
Windows Introduction	1/23/96	7:00pm-9:00pm	304B Marriott
Windows Introduction	2/5/96	9:00am-11:00am	Eccles Library
WordPerfect Introduction	1/11/96	2:15pm-4:10pm	304B Marriott
WordPerfect Introduction	1/30/96	7:00pm-9:00pm	304B Marriott
WordPerfect Editing	1/16/96	2:15pm-4:10pm	304B Marriott

UCC PC (WINDOWS) SHORT COURSES

Winter 1996

Registration
Information on
page 12.

WordPerfect Editing	2/6/96	7:00pm-9:00pm	304B Marriott
WordPerfect Format	1/18/96	2:15pm-4:10pm	304B Marriott
WordPerfect Format	2/13/96	7:00pm-9:00pm	304B Marriott
WordPerfect Graphics	1/23/96	2:15pm-4:10pm	304B Marriott
WordPerfect Graphics	2/20/96	7:00pm-9:00pm	304B Marriott
WordPerfect Tools	1/25/96	2:15pm-4:10pm	304B Marriott
MS Word (part 1)	1/16/96	9:55am-11:50am	304B Marriott
MS Word (part 2)	1/18/96	9:55am-11:50am	304B Marriott
MS Word (part 3)	1/23/96	9:55am-11:50am	304B Marriott
Spreadsheets (part 1)	1/30/96	9:00am-11:00am	Eccles Library
Spreadsheets (part 2)	2/1/96	9:00am-11:00am	304B Marriott
Graphics Introduction	1/30/96	2:15pm-4:10pm	304B Marriott
Presentation Graphics	2/1/96	2:15pm-4:10pm	304B Marriott
PowerPoint	1/31/96	2:15pm-4:10pm	304B Marriott

UCC PC (DOS) SHORT COURSES

Winter 1996

Registration
Information on
page 12.

PC (DOS) Classes

304B Marriott Library

Introduction To The PC	1/10/96	7:00pm-9:00pm	304B Marriott
Introduction To The PC	2/6/96	9:55am-11:50am	304B Marriott
Introduction To The PC	2/8/96	2:15pm-4:10pm	304B Marriott
DOS Introduction	1/17/96	7:00pm-9:00pm	304B Marriott
DOS Introduction	2/15/96	2:15pm-4:10pm	304B Marriott
DOS Commands	1/24/96	7:00pm-9:00pm	304B Marriott
DOS Commands	2/22/96	2:15pm-4:10pm	304B Marriott
WordPerfect Introduction	2/8/96	9:55am-11:50am	304B Marriott
WordPerfect Editing	2/13/96	9:55am-11:50am	304B Marriott
WordPerfect Format	2/15/96	9:55am-11:50am	304B Marriott

MARRIOTT LIBRARY SHORT COURSES

Winter 1996

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. All short courses are one hour in length and are held in Room 464 of the Marriott Library unless otherwise noted.

The Winter 1996 schedule is printed here but is also available via Marriott Library's web site <http://www.lib.utah.edu/instruction/schedwint96.html> For further information, contact Kenning Arlitsch, Technology Instruction Librarian, (801) 585-3721, INTERNET: karlitsc@alexandria.lib.utah.edu

**MARRIOTT
LIBRARY
SHORT
COURSES**
Winter 1996

MAGAZINE AND NEWSPAPER INDEXES

Basic Search Strategies (Search skills for all databases)

January 17, 1996 (Wednesday) 10 am
February 14, 1996 (Wednesday) NOON

UNIS (Marriott's Online Catalog)

January 8, 1996 (Monday) 10 am
January 24, 1996 (Wednesday) 3 pm
February 6, 1996 (Tuesday) 1 pm

InfoTrac CD-ROM Databases (Our most popular indexes)

January 9, 1996 (Tuesday) 1 pm
January 31, 1996 (Wednesday) 4 pm
February 14, 1996 (Wednesday) 2 pm

UMI Periodical Abstracts (Full-image printable articles)

January 26, 1996 (Friday) 10 am
February 15, 1996 (Thursday) NOON

Salt Lake Newspapers Online (Tribune & Deseret News via Internet)

January 25, 1996 (Thursday) 4 pm
February 7, 1996 (Wednesday) NOON

Social Work Abstracts

February 7, 1996 (Wednesday) 10 am
February 26, 1996 (Monday) 1 pm

PsycLit (Psychology-related literature)

February 12, 1996 (Monday) 1 pm
February 28, 1996 (Wednesday) 10 am

Lexis/Nexis (Huge full-text online database)

January 16, 1996 (Tuesday) 10 am
January 19, 1996 (Friday) 2 pm
February 13, 1996 (Tuesday) NOON
February 28, 1996 (Wednesday) NOON

FirstSearch (Group of 12 online indexes)

January 12, 1996 (Friday) 3 pm
February 7, 1996 (Wednesday) 2 pm

Databases for Business (Periodical indexes)

January 22, 1996 (Monday) 1:00-2:30 pm
February 21, 1996 (Wednesday) 2:00-2:30 pm

Moody's Business Databases (Company financial statements)

January 16, 1996 (Tuesday) NOON-1:30 pm
February, 14, 1996 (Wednesday) 9:00-10:30 am

RIA OnPoint Tax Library (Tax & IRS information)

February 16, 1996 (Friday) 10 am

MARRIOTT LIBRARY SHORT COURSES

Winter 1996

HANDS-ON CLASSES

New to the Marriott Library Short Classes this quarter is a subset of classes which offer a hands-on component. Except for the HTML classes (which will meet directly in the lab), we will still meet in Room 464 for a 45-60 minute lecture. Following the lecture we will move to the 3rd floor PC lab in the Marriott Library Microcomputer Center (MLMC), where we will spend the second hour gaining hands-on experience with the topic we have just discussed.

Registration **is required** for the hands-on component of the class because we have only 15 computers. If you don't register you may still attend the lecture. You may also double up on a computer with a friend, but you must arrange this **prior** to the class.

To register contact Kenning Arlitsch, Technology Instruction Librarian, (801) 585-3721, INTERNET: karlitsc@alexandria.lib.utah.edu

INTERNET TOPICS (Asterisk indicates hands-on class)

Introduction to the Internet (Internet tools and how to get around)

January 10, 1996 (Wednesday) NOON
January 18, 1996 (Thursday) 4 pm
January 30, 1996 (Tuesday) 6:00-8:00 pm*
February 19, 1996 (Monday) 10 am

World-Wide-Web (Navigate WWW with *Netscape*)

January 17, 1996 (Wednesday) 1 pm
January 31, 1996 (Wednesday) NOON
February 16, 1996 (Friday) 1:00-2:45 pm*

FTP and Archie (Finding and transferring files)

January 24, 1996 (Wednesday) 11:00 am-1:00 pm*
February 20, 1996 (Tuesday) NOON-2:00pm*

HTML (Writing WWW home pages)

January 23, 1996 (Tuesday) NOON-1:30 pm - Meet in PC lab*
February 8, 1996 (Thursday) NOON-1:30 pm - Meet in PC lab*

Listservs and Newsgroups

January 24, 1996 (Wednesday) 1 pm
February 22, 1996 (Thursday) 10 am

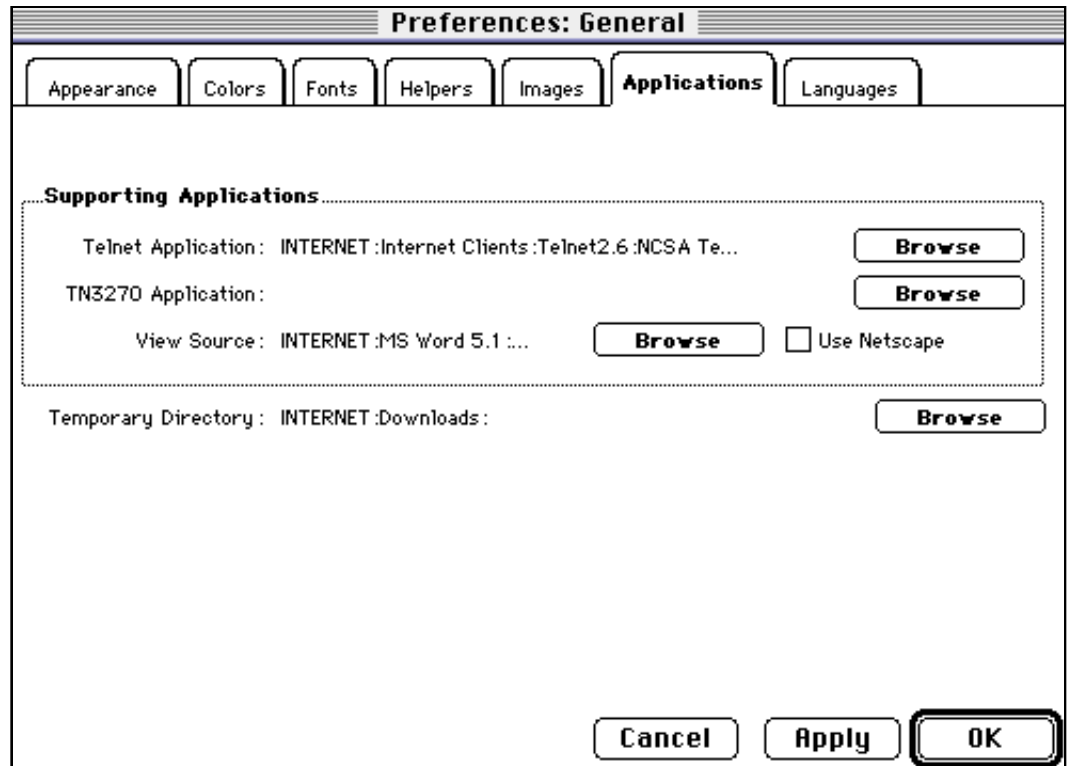
INTERNET BASICS

Configuring *Netscape 2.0 Beta 3* for FTP

by
Joan M. Gregory,
Associate Librarian,
Spencer S. Eccles
Health Sciences
Library

In last month's *IAIMS Newsletter*, the Internet Basics article on using *Netscape* for file transfer protocol (FTP) stated: For those of you using *Netscape 2.0 Beta*, no configuring is necessary. However, this is not the case with the new *Netscape 2.0 Beta 3*. The Macintosh version **does** require some configuring if you wish to change the default temporary directory. See the NOTE at end of this article for Windows version changes.

To set up a different Temporary Directory for the Macintosh version of *Netscape 2.0 Beta 3*, choose: OPTIONS from the main menubar, then choose: GENERAL PREFERENCES.



Within GENERAL PREFERENCES, choose APPLICATIONS. Use the BROWSE button on the line labeled TEMPORARY DIRECTORY to locate the folder where your downloads should be placed (e.g., INTERNET: Downloads:). Once you have designated your Temporary Directory, choose the OK button on the bottom of the APPLICATIONS screen. Finally, go back to the *Netscape 2.0 Beta 3* menubar, choose: OPTIONS and then choose SAVE OPTIONS to make your changes permanent.

NOTE: The Windows version of *Netscape 2.0 Beta 3* will ask you (as it has in the past): How would you like to handle this file? Save to Disk, Cancel Transfer, or Configure a Viewer. To save the program to your hard drive, choose SAVE TO DISK and identify the subdirectory on your hard drive where you want the download to be stored (e.g., c:\internet\downloads). The Temporary Directory choice in the GENERAL PREFERENCES of the Windows version of *Netscape 2.0 Beta 3* does NOT determine the default location of the download.

If you have questions about using *Netscape* for FTP, please contact: Joan M. Gregory, (801) 581-5269, INTERNET: joang@ecclab.med.utah.edu.

INTERNET RESOURCES

Nursing Resources

by
Joan M. Gregory,
Associate Librarian,
Spencer S. Eccles
Health Sciences
Library

As the Internet expands, the amount of nursing information accessible via the Internet is growing as well. Nursing information is available by accessing electronic discussion groups, electronic journals, gopher servers, Web servers, USENET news, and other services.

The resources highlighted in this article were found using several of the many searching tools now available for searching specific subjects on the Internet. If you use *Netscape* as your Web browser, choose the **NetDirectory** button to access the Yahoo! search engine (see the Internet Basics article on page 2 of this issue of the *IAIMS Newsletter* for further information about using Yahoo!) or choose the **NetSearch** button for access to numerous search engines, including InfoSeek (<http://www2.infoseek.com/>), Alta Vista (<http://altavista.digital.com/>), Deja News (<http://www.dejanews.com/>), Excite (<http://www.excite.com/>), Lycos (<http://www.lycos.com/>) and WebCrawler (<http://webcrawler.com/>).

The following list is is not comprehensive. It is an attempt to demonstrate the kinds of nursing resources currently available via the Internet.

LISTS OF NURSING RESOURCES

A number of sites compile lists of nursing resources on the Internet. Some of the most widely-known sites are highlighted below:

HealthWeb Nursing Resources

The HealthWeb Nursing Resources Page is a collaborative project of Taubman Medical Library, the School of Nursing at The University of Michigan and the CIC Health Sciences Internet Working Group. Resources listed at this site have been peer reviewed by members of the project group and represent the best of the nursing resources on the Internet. Eight categories of resources are listed: career information, clinical nursing, communication, education, organizations, research, resources (including electronic journals, nursing school newsletters and information for authors) as well as a link to other HealthWeb sites. This site is managed by the Taubman Medical Library at the University of Michigan, Ann Arbor, MI. <http://www.lib.umich.edu/tml/nursing.html>

NIGHTINGALE Gopher/WWW

This guide to Internet nursing resources includes information and pointers to resources on nursing research, practice, professional nursing communications (e.g., information about nursing conferences, lists of nursing discussion groups, and position announcements) and education. The NIGHTINGALE Gopher/WWW is located at The University of Tennessee, Knoxville, College of Nursing. <http://nightingale.con.utk.edu:70/>

NURSE WWW Server

NURSE provides access to nursing-oriented Internet resources via a clickable world map as well as via a list arranged by resource type (e.g., WWW sites, gopher sites, telnet sites, USENET newsgroups, etc.). Links are also provided to information about specialists in various nursing fields, nursing jobs, midwifery, nursing and health-related software packages, nursing courses and conferences, nursing and health-related journal information, and health-related information sources. The NURSE WWW server is located at the University of Warwick, Coventry, Great Britain. <http://www.csv.warwick.ac.uk:8000/>

INTERNET RESOURCES

Nursing Resources

by
Joan M. Gregory,
Associate Librarian,
Spencer S. Eccles
Health Sciences
Library

DISCUSSION GROUPS AND NEWSGROUPS

Lists of nursing discussion groups and newsgroups can be found on NIGHTINGALE(<http://nightingale.con.utk.edu:70/1/Communications/Discussion-groups>), NURSE (<http://www.csv.warwick.ac.uk:8000/resources/nurse-resources/>) and HealthWeb (<http://www.lib.umich.edu/tml/comm.html>). Two general sources for nursing discussion are: NURSENET and sci.med.nursing:

NURSENET An electronic discussion group focusing on nursing administration, practice, education and research.

Subscription address: listserv@vm.utcc.utoronto.ca

Subscribe Message: Subscribe NURSENET Yourfirstname Yourlastname

sci.med.nursing Newsgroup for discussion of nursing issues in general.
news:sci.med.nursing

NURSING RESOURCES UNDER DEVELOPMENT

There are a number of nursing projects underway on the Internet. The following are two very exiting projects worth adding to your bookmarks file:

AJN Network

In September of 1993, the American Journal of Nursing Company was awarded a three-year Special Projects Grant from the Division of Nursing, Department of Health and Human Services to develop a computer network that will provide a variety of formal and informal continuing education services to nurses in medically underserved communities. Full-text of articles from the 1995 issues of *American Journal of Nursing* and for selected issues of *MCN* are available online as is the *AJN 1995 Career Guide*. Listings of AJN videos (with downloadable video clips), computer-based learning programs, and continuing education opportunities are provided. Access to AJN business services for customer support is also available. In addition, AJN offers a telnet server (<telnet://ajn.org/>) and an FTP server (<ftp://198.185.157.160/>) as part of their AJN Network.
<http://www.ajn.org/>

Virtual Nursing College

The goal of the Virtual Nursing College is to provide a virtual learning and teaching environment that uses concept-resource mapping, multimedia, full access to the Internet, and virtual reality to enhance learning and education. Links to resources and information on the following topics are currently available: effective searching for resources, nursing practice seminar, general nursing, informatics, nursing research, psychiatry, images and pathology, cardiology, medicine, holistic health, keeping current, nursing education, epidemiology, pharmacology, health, humor, and HTML guides. Links under development include: Project Cybernurse, Featured Nurse, Interactive Seminar, Health III Topics, and Virtual Clinic - NurseMOO.

<ftp://ftp.langara.bc.ca/pub/nursing/vnc.htm>

OUTREACH SERVICES

Grateful Med/Loansome Doc Subheadings (sh)

by
Kathleen M. McCloskey,
Associate Librarian,
Outreach Services,
Spencer S. Eccles
Health Sciences
Library

Last month you heard about the advantages of using MeSH headings for searching. The next little-publicized gem for searching is the use of **subheadings**.

Subheadings are terms that cover general, frequently discussed aspects of a subject, such as adverse effects, drug therapy, and metabolism. When articles are read for indexing at the National Library of Medicine (NLM), the indexers link subheadings with MeSH headings to reflect the topic of the article precisely.

In a printout of citations from a *Grateful Med* search the subheadings follow the MeSH headings. An example is **Aspirin/ADVERSE EFFECTS**. The subheading, **ADVERSE EFFECTS**, combined with the MeSH heading **Aspirin** reflects the content of the article - adverse effects of aspirin. If a broader range of adverse effects of aspirin were the topic of the article you might see a longer list of attached subheadings, **Aspirin/ADVERSE EFFECTS/POISONING/TOXICITY**.

If a MeSH heading precisely describes your topic, for instance **HEART TRANSPLANTATION** or **HEART SURGERY**, then you do not need subheadings to express the concept of "transplantation" or "surgery." There are exceptions, however. Suppose you are looking for "drug therapy" for heart transplantation/surgery recipients, how might you express this concept when combining MeSH headings and subheadings?

Each subheading has a definition that explains precisely what is meant by the term. The definition below for adverse effects comes from the *Annotated Alphabetic List of Medical Subject Headings* that is published each year and is available in the library. If you would like a copy of these definitions, contact Kathleen M. McCloskey; (801) 585-5743; INTERNET: kmc@ecclab.med.utah.edu.

adverse effects

Used with drugs, chemicals, or biological agents in accepted dosage - or with physical agents or manufactured products in normal usage - when intended for diagnostic, therapeutic, prophylactic, or anesthetic purposes. it is used also for adverse effects or complications of diagnostic, therapeutic, prophylactic, anesthetic, surgical, or other procedures, but excludes contraindications for which "contra-indications" is used. (1966).

One "Rule of Thumb" suggested by searchers is: When you see a term that describes your concept and it is a subheading, choose it as well as any other seemingly identical term that isn't identified as a subheading, (sh). In *Grateful Med*, subheadings are generally paired with a MeSH heading, (mh), by entering the MeSH heading on one line and the subheading on another line so that the two are ANDed together. In last month's discussion of search strategy, we used the combination of **INJURIES (sh)** with **SKATING (mh)** to retrieve articles on skateboard injuries in children. In order to express the concept of an injury we used both the subheading **INJURIES (sh)** and the MeSH heading **WOUNDS & INJURIES (mh)**.

OUTREACH SERVICES

Grateful Med/Loansome Doc Subheadings (sh)

by
Kathleen M. McCloskey,
Associate Librarian,
Outreach Services,
Spencer S. Eccles
Health Sciences
Library

In *Grateful Med*, when you view a hierarchy of “more specific terms” for a MeSH heading that is followed by a + , you may search for all the terms listed under that term by using the “explode” capability. This is one of the unique features of the MEDLARS databases. There is also a capability known as **pre-explosion**. A “pre-explosion” is indicated by a + and the qualifier (px) following the term in the alphabetic listing of MeSH headings. The “pre-explosion” differs from a simple “explosion” in that, from experience, indexers at NLM know that a particular “explosion” of terms has been requested so often that it’s more efficient to simply group this set of terms together. With the “explosion” the NLM computers are forced to search the entire database for the group of terms and then combine them, taking more time and costing more. So a “pre-explosion” is an “explosion” that is already combined.

As with MeSH headings, subheadings may also be used in groups as a pre-explosion. For instance if you want to express the concept of “treatment” you will need to consider just what is meant by “treatment.” Treatment might be drug therapy **or** surgery **or** rehabilitation **or** therapy **or** diet therapy. Are you beginning to see a search evolve? Unfortunately, the subheadings are not available as a separate list in the *Grateful Med* software, but are identified in the alphabetic listing of MeSH headings in the thesaurus. As mentioned previously, they are followed by the qualifier (sh). Some common groupings of subheadings are listed in the September - October, 1995 issue of the *NLM Technical Bulletin*, pg 49. They are reprinted here for your convenience:

FAMILIES OF 1996 SUBHEADING PRE-EXPLOSIONS

adverse effects

poisoning
toxicity

analysis

blood
cerebrospinal fluid
isolation & purification
urine

anatomy & histology

blood supply
cytology
 pathology
 ultrastructure
embryology
 abnormalities
innervation

chemistry

agonists
analogs & derivatives
antagonists & inhibitors
chemical synthesis

complications

secondary

cytology

pathology
ultrastructure

diagnosis

pathology
radiography
radionuclide imaging
ultrasonography

embryology

abnormalities

epidemiology

ethnology
mortality

etiology

chemically induced
complications
 secondary

OUTREACH SERVICES

Grateful Med/ Loansome Doc Subheadings (sh)

by
Kathleen M.
McCloskey,
Associate Librarian,
Outreach Services,
Spencer S. Eccles
Health Sciences
Library

etiology (continued)

- congenital
- embryology
- genetics
- immunology
- microbiology
- virology
- parasitology
- transmission

metabolism

- biosynthesis
- blood
- cerebrospinal fluid
- deficiency
- enzymology
- pharmacokinetics
- urine

microbiology

- virology

organization & administration

- economics
- legislation & jurisprudence
- manpower
- standards
- supply & distribution
- trends
- utilization

pharmacology

- administration & dosage
- adverse effects
 - poisoning
 - toxicity
- agonists
- antagonists & inhibitors
- contraindications
- diagnostic use
- pharmacokinetics

physiology

- genetics
- growth & development
- immunology
- metabolism
 - biosynthesis
- blood
- cerebrospinal fluid
- deficiency
- enzymology
- pharmacokinetics
- urine
- physiopathology
- secretion

statistics & numerical data

- epidemiology
- ethnology
- mortality

surgery

- transplantation

therapeutic use

- administration & dosage
- adverse effects
- contraindications
- poisoning

therapy

- diet therapy
- drug therapy
- nursing
- prevention & control
- radiotherapy
- rehabilitation
- surgery
 - transplantation

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 Joan M. Gregory at the address indicated below.

The deadline for the February 1996 issue of the *IAIMS Newsletter* is: **January 15, 1996.**

To be added to the electronic distribution list for the *IAIMS Newsletter*, send an e-mail message to: **listserv@ecclab.med.utah.edu**. The text of the message you send should include ONLY the following words: **subscribe IAIMS**

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