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INFOFAIR '96

B E C O M I N G D I G I T A L

THURSDAY, APRIL 11, 1996

The University of Utah
Spencer S. Eccles Health Sciences Library
Salt Lake City, Utah

sponsored by
**THE UNIVERSITY OF UTAH
HEALTH SCIENCES CENTER**

INFOFAIR is an annual event at the University of Utah Health Sciences Center with the goal of providing up-to-date information on computer applications, resources and services as well as a glimpse into the future of computers and computing in the health sciences.

The theme of InfoFair '96 is: **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.

The Clifford C. Snyder and Mary Snyder Lecture on the morning of InfoFair '96 titled: "Medicine in the Computer Age" will highlight changes in medicine over the past 30 years as computers have gradually been incorporated into medical research, patient care and teaching. The "Meet the Experts "Becoming Digital" Panel Discussion" will feature panelists from the University of Utah who will discuss and answer your questions on where we are today at the University of Utah and where we want to be in the future as we "become digital."

The afternoon presentations at InfoFair '96 offer you a chance to learn how to find information on the Internet, provide information to others on the World Wide Web via HyperText Markup Language and *JavaScript*, become familiar with the ways that electronic journals in the health sciences are being made available on the Internet, and get a glimpse of the vision, status and implications of "digital libraries" including some under development in Utah. In addition, the exhibits present a unique opportunity to try out new hardware and software, to become acquainted with computer services offered on and off campus, and to become familiar with computer applications developed at the University of Utah.

PROGRAM COORDINATOR

THE CLIFFORD C. SNYDER, M.D. AND MARY SNYDER LECTURER

JOAN M. GREGORY, M.L.S. *Associate Librarian, Technical Services, Spencer S. Eccles Health Sciences Library, University of Utah* Joan M. Gregory received her Masters of Library Science from the University of Rhode Island in 1976 and is a Distinguished Member of the Academy of Health Information Professionals. Joan has coordinated InfoFair since 1988, coordinates the Medical Center/Small Computer Users Group, edits the *IAIMS Newsletter*, and manages the Library's integrated library system and technical services area. She has developed and taught numerous Internet workshops, established the Spencer S. Eccles Health Sciences Library Gopher and has developed Internet courses for the Medical Library Association and Special Library Association. When Joan is not surfing the net, she spends her time with her family, which will soon increase in size by one (due in June).

HOMER R. WARNER, M.D., Ph.D. *Professor and Department Chair, Department of Medical Informatics, and Chief Information Officer, Health Sciences Center, University of Utah*

Homer R. Warner was born in Salt Lake City where he attended high school, undergraduate and medical schools, receiving an M.D. from the University of Utah in 1949. His education was interrupted by two and one-half years in the Navy where he served as a naval aviator prior to entering medical school. After internship and a residency in internal medicine, he received a Ph.D. in Physiology at the Mayo Clinic and the University of Minnesota in 1953.

Medical Informatics at the University of Utah began with the pioneering computer work of Dr. Warner at LDS Hospital in Salt Lake City where he established the cardiovascular laboratory in 1954. In 1964, the University recognized this work and established a Ph.D. program of Biophysics and Bioengineering naming him chairman of the new department. The department was later divided and a separate Bioengineering Department was established while the computing group moved to the medical school and took the name Medical Biophysics and Computing in 1973. In February 1986, the department was the first in the United States to change its name officially to the Department of Medical Informatics.

Dr. Warner pioneered many areas of computer applications in medicine. His definitive book entitled *Computer-Based Medical Decision-Making* was published by Academic Press in 1979. He led the development of "HELP," the first hospital information system to incorporate decision support tools, and is father of "Iliad," a computerized expert system designed to enhance medical diagnosis and teach this skill to medical students. Dr. Warner's most recent research interest has focussed on an Advanced Clinical Information System (ACIS) for the University of Utah Hospital and Clinics.

Dr. Warner is the recipient of the University of Utah Distinguished Alumni Award, BYU James E. Talmadge Scientific Achievement Award, the University of Minnesota Outstanding Alumni Achievement Award, the Distinguished Research Award from the University of Utah, the Governor's Medal for Science and Technology, and in 1994, the Morris Collen Award from the American College of Medical Informatics. In 1988, he was elected a senior member in the Institute of Medicine of the National Academy of Sciences. He was named

**THE
CLIFFORD C.
SNYDER, M.D.
AND MARY
SNYDER
LECTURER**

**THE
CLIFFORD C.
SNYDER, M.D.
AND MARY
SNYDER
LECTURE
ABSTRACT**

**INFOFAIR
PANELISTS
AND
PRESENTERS**

Doctor of Technology Honoris Causa, University of Linköping, Linköping, Sweden in 1990. In 1991 the "Legacy of Life" award, designed to honor Utah-associated citizens, was awarded to him by the Deseret Foundation for his exploratory work in medical applications of computer technology.

For the past 25 years, Dr. Warner has served almost continuously on a research review group for the National Institutes of Health, the National Center for Health Services Research Agency for Health Care Policy and Research at the National Library of Medicine. He was editor of the journal, *Computers and Biomedical Research*, published by Academic Press from 1966-1994.

MEDICINE IN THE COMPUTER AGE.

HOMER R. WARNER, M.D., Ph.D. *Professor and Department Chair, Department of Medical Informatics, and Chief Information Officer, Health Sciences Center, University of Utah*

Our understanding of the world in which we live is based on the use of models, more often implied than explicit. Medical Informatics is that branch of science which uses computers to develop and evaluate explicit models in the domain of medicine to improve understanding and facilitate the performance of intellectual tasks. These tasks include documentation, communication, organization and retrieval of information, diagnosis, prognosis, discovery of new relationships, and decision-making. Many of these opportunities in Informatics were recognized 30 years ago. In a few of these areas such as imaging, Informatics has already had major impact on the quality of health care, but in most, progress has been slower than expected. At the University of Utah, we have been at the forefront in many of these activities. Some lessons learned from this experience will be reviewed in hopes that they may provide a model for future research, development, and strategic planning.

SHARON E. DENNIS, M.S. *Associate Librarian, Computer & Media Services, Spencer S. Eccles Health Sciences Library* Sharon Dennis received her M.S. in Library and Information Science from Drexel University, Philadelphia, PA. She is Principal Investigator for a grant funded by the National Library of Medicine entitled: "A Model Multimedia Support Center for the Health Sciences." As part of this grant, she is directing the Knowledge Weavers Multimedia Library Project. She is currently involved in creating World Wide Web resources, including the Spencer S. Eccles Health Sciences Library Home Page and NetBiochem, an educational biochemistry resource. She also teaches classes related to the Web, HTML, Advanced HTML, JavaScript, and PowerPoint. Sharon has extensive experience designing and programming computer-based learning programs in the health sciences including the *Integrated Biochemistry Learning Series (IBLS)*, a complete medical biochemistry course, and *PulMeDx*, a series of occupational lung cases.

NINA E. DOUGHERTY, M.A. *Librarian, Research, Spencer S. Eccles Health Sciences Library* Nina E. Dougherty received her B.A. in Anthropology and M.A. in Library Science from the University of Wisconsin in Madison. She is an Adjunct Instructor in the Department of Medical Informatics and the 1995-1996 Chair of the Medical Information Systems SIG of the American Society for Information Science (ASIS). Nina has long been active in University of Utah

INFOFAIR PANELISTS AND PRESENTERS

Health Sciences Center and campus-wide electronic information access committees and projects. She teaches MEDLINE, toxic substance databases and Internet access to medical informatics and environmental, occupational and public health resources. As a citizen clean air advocate, she has participated on air quality related county, state and Western U.S. advisory committees.

CLIFFORD J. DREW, Ph.D. *Coordinator of Instructional Technology, Office of the Vice President for Academic Affairs, and Professor, Special Education and Educational Psychology* Dr. Drew came to the University of Utah in 1971, after serving on the faculties of the University of Texas at Austin and Kent State University. He received his Master's degree from the University of Illinois and his Ph.D. from the University of Oregon. His professional interests include research methods in education and psychology, human development and disabilities, graduate and professional training, and applications of computer technology in higher education. Dr. Drew has published on many topics in education and related areas, having made over 100 contributions to the professional literature on subjects including mental retardation, research design, statistics, diagnostic assessment, cognition, evaluation related to the law, and instructional technology. Dr. Drew has served on the Board of Directors of the Far West Laboratory for Research and Development in Education, has Chaired the National Ethics Committee of the American Association on Mental Retardation, and is a Fellow of that organization.

REED M. GARDNER, Ph.D. *Professor, Medical Informatics, School of Medicine, University of Utah, and Co-Director, Medical Computing, LDS Hospital* Dr. Reed Gardner is a principal designer and developer of the medical expert system known as HELP (Health Evaluation through Logical Processing). His primary academic and research interests are hospital information systems, computerized medical decision-making, computerization of critical care, and the automation of the nursing process. The author or co-author of more than 250 articles in the fields of medical informatics and engineering, Dr. Gardner currently serves as Editor-in-Chief of *The International Journal of Clinical Monitoring and Computing* and is on the editorial boards of *Journal of American Medical Informatics Association (JAMIA)*, *Journal of Clinical Monitoring*, and *The American Journal of Critical Care*. He was a recent member of the Study Section, Biomedical Library Review Committee for the National Library of Medicine, is currently President of the American Medical Informatics Association and has served as President of Computers in Critical Care and Pulmonary Medicine. Dr. Gardner is a Fellow of the American College of Medical Informatics and the Institute of Electrical and Electronic Engineers (IEEE) and serves on the Utah Chapter Executive Committee.

JEANNE M. Le BER, M.L.I.S. *Assistant Librarian, Instructional and Information Management Services, Spencer S. Eccles Health Sciences Library* Jeanne Le Ber has worked at the Spencer S. Eccles Health Sciences Library since 1979. She received her Masters of Library and Information Science from Brigham Young University in December 1992. Jeanne currently teaches Introduction to CD-ROM Databases, Bibliographic Management with Papyrus, and Bibliographic Management with Endnote classes offered by the Eccles Library. In addition, Jeanne conducts tours and orientations of the Eccles Library and works part-time at the reference desk.

INFOFAIR PANELISTS AND PRESENTERS

NANCY T. LOMBARDO, M.L.S. *Affiliate Librarian, Internet Services, Spencer S. Eccles Health Sciences Library* Nancy Lombardo has been at Eccles Library since October 1994. Her responsibilities include developing and coordinating "Internet Navigator," an online multi-institutional course, developing and teaching Internet classes, assisting patrons with client software and remote access to library resources, contributing to the development of the library's Web server, and helping with other electronic and technology-related projects. Nancy's experience in libraries began in 1981. She has held positions at the University of New Mexico and Dartmouth College libraries as well as at Denver and Salt Lake City public libraries.

JOHN M. MATSEN, M.D. *Vice President for Health Sciences, and Professor, Clinical Pathology* John M. Matsen, M.D., was named University of Utah Vice President for Health Sciences in January 1993, with oversight responsibilities for the U of U Hospitals and Clinics, Medical School, colleges of Pharmacy, Nursing and Health, and the Spencer S. Eccles Health Sciences Library. He also is Chairman of the Board of Associated Regional and University Pathologists (ARUP), a campus-based national reference laboratory. Matsen joined the Utah medical faculty 22 years ago, after work at UCLA (where he earned his M.D. degree), and at the universities of Minnesota and Washington. Before becoming Vice President at Utah, he served for 11 years as Chair of the Pathology Department. He has received the nation's top prizes and peer recognition for his contributions in research, clinical care, education and service to the fields of pathology and clinical microbiology.

T. SAMUEL SHOMAKER, M.D., J.D., *Assistant Dean, Medical Education and Minority Affairs, School of Medicine, and Assistant Professor (Clinical), Anesthesiology* T. Samuel Shomaker, M.D., J.D. received his Juris Doctor degree magna cum laude from Georgetown University in 1979. He practiced law for two years before going to medical school. He received his M.D. degree from the University of Hawaii in 1986, and did an anesthesia residency at the University of Utah. After completing a fellowship in pediatric anesthesia at the University of Texas Southwestern, and a stint in private anesthesia practice, Dr. Shomaker joined the faculty at the University of Utah where he was appointed Assistant Dean for Medical Education in 1994. He chaired the Dean's Ad Hoc Committee on Curriculum Reform, the School of Medicine committee charged with the responsibility for reviewing and updating the undergraduate medical curriculum. The committee recently concluded its work by releasing a curriculum reform proposal which calls for a much expanded exposure to information management as a fundamental skill for medical practitioners. It is anticipated that the new curriculum will be implemented in September 1997.

MARY E. YOUNGKIN, M.L.S. *Associate Librarian, Reference Services, Spencer S. Eccles Health Sciences Library* Mary Youngkin received her B.A. in English from the University of Iowa in 1972 and headed west. She joined the staff of the Eccles Library in 1974, and received her M.L.S. from Brigham Young University in 1987. As Associate Librarian for Reference Services, her responsibilities include management of the department, online and CD-ROM database search services, and participation in the library's instructional programs, where she teaches advanced CD-ROM and MEDLINE classes.

INFOFAIR '96

BECOMING DIGITAL

Thursday,
April 11, 1996

Program

PROGRAM

- 9:30-10:45 AM **Introduction** **John M. Matsen, M.D.**
Location: George and Dolores Eccles Institute of Human Genetics Auditorium
- THE CLIFFORD C. SNYDER, M.D. & MARY SNYDER LECTURE**
Medicine in the Computer Age **Homer R. Warner, M.D., Ph.D.**
Location: George and Dolores Eccles Institute of Human Genetics Auditorium
- 10:45-11:00 AM **Refreshments** Location: George and Dolores Eccles Institute of Human Genetics Lobby
- 11:00 AM-NOON **Meet the Experts: "Becoming Digital" Panel Discussion**
Homer R. Warner, M.D., Ph.D., Nina E. Dougherty,
Clifford J. Drew, Ph.D., Reed M. Gardner, Ph.D.,
and T. Samuel Shomaker, M.D.
Location: George and Dolores Eccles Institute of Human Genetics Auditorium
- LUNCH** (on your own)
- 12:30-2:00 PM **Advanced HTML** **Sharon E. Dennis**
FULL Location: PC Classroom, Lower Level, Spencer S. Eccles Health Sciences Library
- 12:30-2:00 PM **Finding Information on the Internet** **Nancy T. Lombardo**
FULL Location: MAC Classroom, Lower Level, Spencer S. Eccles Health Sciences Library
- 1:00-2:00 PM **The Digital Library** **Nina E. Dougherty**
Location: History of Medicine Room, Upper Level, Spencer S. Eccles Health Sciences Library
- 2:30-4:00 PM **Introduction to JavaScript** **Sharon E. Dennis**
FULL Location: MAC Classroom, Lower Level, Spencer S. Eccles Health Sciences Library
- 2:30-4:00 PM **Finding Information on the Internet** **Nancy T. Lombardo**
FULL Location: PC Classroom, Lower Level, Spencer S. Eccles Health Sciences Library
- 2:30-3:30 PM **Electronic Journals on the Web:** **Mary E. Youngkin**
Hype vs. Reality **& Jeanne M. Le Ber**
Location: History of Medicine Room, Upper Level, Spencer S. Eccles Health Sciences Library
- EXHIBITS** Location: Spencer S. Eccles Health Sciences Library (Lower Level)
11:30AM-4:30PM
Hardware, Software, Information Services, Electronic Publications, University of Utah Services and University of Utah Developed Computer Applications

ADVANCED HTML

*Sharon E. Dennis, Associate Librarian, Computer and Media Services,
Spencer S. Eccles Health Sciences Library*

This hands-on workshop will cover several advanced HTML features including forms, tables, and images. Participants will practice using existing CGI scripts, such as CGIEMAIL, to receive input from forms. (Note: CGI scripting, Java, and JavaScript will **not** be covered). Prerequisite: Knowledge of basic HTML. REGISTRATION IS REQUIRED. Class size limit: 10 participants.

INTRODUCTION TO JAVASCRIPT

*Sharon E. Dennis, Associate Librarian, Computer and Media Services,
Spencer S. Eccles Health Sciences Library*

JavaScript is an easy to use scripting language for programming interactivity into your Web pages. This hands-on class will introduce participants to basic JavaScript programming. Prerequisite: Knowledge of basic HTML and experience with another scripting language such as HyperTalk or dBase. Please call the instructor before signing up if you have questions about the course content. REGISTRATION IS REQUIRED. Class size limit: 8 participants.

FINDING INFORMATION ON THE INTERNET

*Nancy T. Lombardo, Affiliate Librarian, Internet Services, Spencer S.
Eccles Health Sciences Library*

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, Alta Vista and other Internet searching tools to find the Internet resources you need. REGISTRATION IS REQUIRED. Class size limit: 12 participants (MAC Lab), 16 participants (PC Lab). Participants may be required to share a computer.

THE DIGITAL LIBRARY

*Nina E. Dougherty, Librarian, Research, Spencer S. Eccles Health
Sciences Library*

The vision, status and implications of the "digital library" concept will be presented in an Internet-based overview and demonstration with links to relevant resources. Topics to be covered will include: What is a "digital library"? What digital resources do library users in Utah have access to right now? What does the future hold for the development of "digital libraries" locally, nationally, and internationally?

ELECTRONIC JOURNALS ON THE WEB: HYPE VS. REALITY

*Mary E. Youngkin, Associate Librarian, Reference Services, Spencer S.
Eccles Health Sciences Library and Jeanne M. Le Ber, Assistant Librarian,
Instructional and Information Management Services, Spencer S. Eccles
Health Sciences Library*

Which health sciences journals are available on the World Wide Web? How much of their content is really available (information about ordering the journal, tables of contents, full text of articles, accompanying pictures, graphs and charts, editorials, announcements, job listings, etc.)? Finding, evaluating and using electronic journals on the Web will be discussed and demonstrated in this one-hour presentation.

EXHIBITORS

**Exhibit Area
Map will be
available at
InfoFair '96**

ADMINISTRATIVE COMPUTING SERVICES

Administrative Computing Services (ACS) provides data processing services to administrative (Payroll, Accounting, etc.), student (Admissions, Student Records, Registrar, etc.), and support (parking, Public Safety, etc.) agencies at the University of Utah. ACS manages the university's IBM mainframe computer, develops application software, and supports administrative mainframe and personal computer users. *Margaret Young, Stacey Wood, Roy Schultz, Administrative Computing Services, University of Utah, 150 Park Building, (801) 581-3325, FAX: (801) 581-5877, INTERNET: jtaylor@acs.utah.edu*

ADVANCED CLINICAL INFORMATION SYSTEMS (ACIS)

The University Hospital Ambulatory Care Information System (ACIS) is an electronic clinical database for use by health care providers in outpatient clinics to improve and facilitate continuity of patient care. ACIS provides pertinent patient data regardless of medical or surgical service areas, to include outpatient clinics and inpatient units. *Michele Mills, University Hospital and Clinical Informatics, University of Utah, AB193 SOM, (801) 585-2387, FAX: (801) 581-4297, INTERNET: michele.mills@hsc.utah.edu*

ADVANCED SYSTEMS GROUP/SUN MICROSYSTEMS

Sun Microsystems, Inc. is a leading-edge provider of computer hardware and software to the high-performance computing marketplace. Specializing in the mid-range to high-end computing environment, Sun's new Ultra family of high performance UNIX workstations and servers represents a true breakthrough in network computing. In addition, Java, Sun's industry-leading Internet programming language, brings the net to life -- enabling live-content interaction for Internet users while providing greater security, multiplatform support and enhanced connectivity. Advanced Systems Group, the authorized Sun Microsystems sales agent for higher education in Utah, has specialized in supplying and integrating best-of-breed hardware and software to the Intermountain region for the past 14 years. *Jeff Cox, Jon Blakeburn, Joann Funseth, Advanced Systems Group/Sun Microsystems, Inc., 5 Triad Center, Suite 750, Salt Lake City, UT 84180, (801) 350-9242, FAX: (801) 350-9426, INTERNET: jcox@virtual.com*

ASSOCIATED BUSINESS PRODUCTS

Associated Business Products is a digital office solutions provider, specializing in high speed color and black and white printer and duplication systems and in high quality presentation and visualization solutions. *Ray Moffat, Jerilyn Hammond, James Biggs, Larry Finch, Jim Bates, Associated Business Products/Ikon Office Solutions, 193 West 2100 South, Salt Lake City, UT 84115, (801) 488-5146, FAX: (801) 488-5144*

DAVIS AUDIO-VISUAL

Davis Audio-Visual specializes in LCD projectors, smart boards, SVGS 3 gun projection systems, LCD panels and overheads. *Tony Spencer, Ray Caldwell, Davis Audio-Visual, Inc., 1140 South Richards Street, Salt Lake City, UT 84101, (801) 355-5402, FAX: (801) 355-5010, INTERNET: tspencer@aros.net*

EBSCO SUBSCRIPTION SERVICES

EBSCO Subscription Services is an international subscription agency with field

EXHIBITORS

Exhibit Area Map will be available at InfoFair '96

offices in 27 countries. As part of the EBSCO Information Services Group, we provide libraries with traditional subscription services, CD-ROM online services, remote database access, and full document delivery. *Tom Paolucci, EBSCO Subscription Services, 2801 Youngfield St. Suite 120, Golden, CO 80401-2264, (800) 727-1077, FAX: (303) 237-1752; INTERNET: tompaol@ebSCO.com*

EXECUTRAIN/MICROSOFT

ExecuTrain will be showing Windows '95 and related products including ExecuTrain's new multimedia training tools to support these products. ExecuTrain provides computer training on desktop applications, networking and development tools. *Stacy McPherron, Derek Ward, 7090 S. Union Park Ave #650, Midvale, UT 84047, (801) 561-8511, FAX: (801) 561-8549*

HARDEN ASSOCIATES MULTIMEDIA TRAINING RESOURCES

Harden Associates provides interactive solutions, support and custom development services to meet training objectives for our clients. We are a value-added reseller of *Quest 5.1*, multimedia authoring tools and several interactive training titles on issues such as Sexual Harassment, Customer Service, Diversity and Drug Awareness. *Spencer Harden, Dan Rector, Clint Goudie, Harden Associates, PO Box 9197, Salt Lake City, UT 84109, (801) 273-8602, FAX: (801) 272-9518, INTERNET: 72144.1522@compuserve.com*

HEALTH SCIENCES BOOKSTORE

A.D.A.M. (Animated Dissection of Anatomy for Medicine), *StatRef* on CD-ROM, *Franklin Digital Books* (including *PDR*, *Merck Manual*, *Manual of Medical Therapeutics* and *Harrison's Principles and Practice of Internal Medicine*), *TextStacks* (standard microbiology, pharmacology and pathology textbooks with multiple choice questions and answers on diskette) and *MAXX* (Little, Brown's medical reference CD-ROM) will be demonstrated. Copies of the new catalog of multimedia software available from the Health Sciences Bookstore will be available. *Lisa Lesyshen, Maryetta Tsukamoto, Health Sciences Bookstore, University of Utah, Building 528, (801) 581-2559, FAX: (801) 581-2559, INTERNET: gartha@ubs.ubs.utah.edu*

KNOWLEDGE WEAVERS MULTIMEDIA LIBRARY PROJECT

The Knowledge Weavers Multimedia Library Project incorporates individual multimedia events (digitized photographs, clip art, sounds, digital video, etc.) into a central database using the Library's Horizon Integrated Library System. Items in the Multimedia Library can be viewed or downloaded for faculty use in lectures, presentations, or computer-based learning programs. Health sciences faculty who wish to contribute to the Multimedia Library can use the services of the Knowledge Weavers team, which includes instructional designers, digital video experts, graphic artists and animators, and computer programmers. *Carol Cassidy, Susan Roberts, Knowledge Weavers Multimedia Library Project, Spencer S. Eccles Health Sciences Library, University of Utah, Building 589, (801) 581-3031, FAX: (801) 581-3632, INTERNET: sroberts@ecclab.med.utah.edu*

KUED MEDIA SOLUTIONS

KUED Media Solutions joins forces with several of its campus clients this year in exhibiting a variety of multimedia and World Wide Web projects. The software,

EXHIBITORS

Exhibit Area Map will be available at InfoFair '96

CDs and videodiscs offered by the Slice of Life Office for medical school education are demonstrated, including the latest release of *HyperBrain*, a core resource in neuroscience, and the internationally distributed videodisc encyclopedias, *Slice of Life* and *Slice of Brain*. The Moran Eye Center shows off its new cross-platform CD of the conference proceedings for the 2nd Great Basin Visual Science Symposium on "Physiological and Molecular Mechanisms of Retinal Function." The Center's web site is also showcased. KUED Media Solutions shares information on cataloguing and digitizing resource materials for use in many different educational disciplines, and will demonstrate its ongoing project, Utah Collections Multimedia Encyclopedia. *Paul E. Burrows, Mark Hanna, Marshall Johnson, Ciming Mei, Kevin Wald, Mike Thelin, Trish Goede, KUED Media Solutions, University of Utah, 160 Eccles Broadcast Center, (801) 581-7908, FAX:(801) 585-6105, INTERNET: pburrows@eddy.media.utah.edu*

MARRIOTT LIBRARY

Access to databases and services available via the Marriott Library's WWW and other gateways, including demonstrations of statewide full-text projects, and access to these resources from different platforms will be demonstrated. *Joe Potts, Kenning Arlitsch, Mike Hussey, Ann Marie Breznay, Marriott Library, University of Utah, (801) 581-3852, FAX: (801) 585-3464, INTERNET: abreznay@library.utah.edu*

OVID TECHNOLOGIES, INC.

Ovid Technologies provides local and Internet access to the latest medical and scientific literature in bibliographic and full-text (including image) format. Ovid databases may be accessed using the Ovid World Wide Web Gateway and when combined with the Ovid Client/Server system, will allow for full access to Z39.50 servers throughout the world. Use Ovid to access MEDLINE, BIOSIS, and *Current Contents* with built-in links to the full-text version of the world's leading prominent biomedical journals. *Joe Michalak, Tim Tamminga, Sean O'Doherty, Ovid Technologies, Inc., 114 Escalona Dr., Santa Cruz, CA 95060, (408) 425-7477, FAX: (408) 425-7522, INTERNET: joem@ovid.com*

RESEARCH INFORMATION SYSTEMS

Research Information Systems provides software and information tailored to the needs of researchers and information professionals. *Reference Update* and *Reference Manager* provide the solution to your information and bibliographic needs. *Reference Manager* allows you to create a database of reference information and easily prepare bibliographies for publication. *Reference Update* is a comprehensive and accurate current awareness subscription service which covers up to 1300+ life science journals. Free demonstration copies available for Microsoft Windows, DOS and Macintosh operating systems. *Nancy Matus, Research Information Systems, 2355 Camino Vida Roble, Carlsbad, CA 92009, (800) 722-1227, FAX: (619) 438-5573, INTERNET: risinfo@ris.risinc.com*

SILICON GRAPHICS

The *WebFORCE* Software Environment from Silicon Graphics sets a higher standard for creating and serving media-rich content. It gives you power to create more compelling content in less time, providing everything you need for creating, capturing, editing, and combining diverse digital media. *Richard Grossen,*

EXHIBITORS

Exhibit Area Map will be available at InfoFair '96

Michael Matheson, Silicon Graphics, 111 East Broadway, Suite 750, Salt Lake City, UT 84111, (801) 531-9070, FAX: (801) 531-9072, INTERNET: grossen@sgi.com

SPENCER S. ECCLES HEALTH SCIENCES LIBRARY

Come explore paths to electronic journals and other full-text resources via the World Wide Web! Bring a disk and we'll share our favorite Internet bookmarks. Information about other Eccles Library projects and services will also be available. *Mary M. McFarland, Jennifer Sanders, Mary E. Youngkin, Jeanne Le Ber, Spencer S. Eccles Health Sciences Library, University of Utah, Building 589, (801) 581-5534, FAX: (801) 581-3632, INTERNET: maryy@ecclab.med.utah.edu*

UNIVERSITY BOOKSTORE - COMPUTER SALES

University Bookstore offers educational discounts on computers, software, and accessories to University of Utah students, staff, and faculty. We will be exhibiting Macintosh and PC computers, as well as computer books and software. *Anthony Ford, Eddy Silvano, University Bookstore, University of Utah, Bookstore, (801) 585-6177, FAX: (801) 581-6443, INTERNET: esilvano@campnet.utah.edu*

UNIVERSITY OF UTAH COMPUTER CENTER

The Computer Center is a non-academic department that offers support to students, faculty, and staff. Some of our FREE services include a Help Line, e-mail accounts, seminars, dial-in modems and microcomputer labs. UUCC also administers department site-license software distribution. *Jay Deuel, Victoria Dockstader, Craig Bennion, Gordon Wakefield, Joseph Buchanan, Computer Center, University of Utah, 3440 MEB, (801) 581-8343, FAX: (801) 585-5549, INTERNET: jay@cc.utah.edu*

UNIVERSITY PRINTING SERVICE

University Printing Service will demonstrate online submission of copy jobs to a Docutech printing system on campus. *Julia Caldwell, John Richards, University Printing Service, University of Utah, 135 USB, (801) 581-6171, FAX: (801) 581-4359, INTERNET: jrichards@printing.utah.edu*

UTAH SUPERCOMPUTING INSTITUTE

The Utah Supercomputing Institute, soon to be renamed Center for High Performance Computing, provides large scale computer resources to facilitate advances in the field of computational science at the University of Utah. *Tim Burns, Utah Supercomputing Institute, University of Utah, 85 SSB, (801) 581-5172, FAX: (801) 585-5366, INTERNET: tim@osiris.usi.utah.edu*

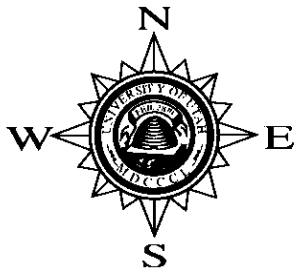
WISE MEDICAL SYSTEMS, INC.

Wise-Med is a mobile clinical informational system designed to support the full spectrum of patient information and clinical decision support for providers at the "moment-of-care." *Wise-Med* utilizes voice, pen, a Windows interface to departmental systems, and a lightweight (less than 3 pounds) hand-held computer designed for clinicians in the context of a wireless, mobile, client/server network. *Mary Moten, Wise Medical Systems, 130 Knowles Drive, Los Gatos, CA, (310) 410-0763, FAX: (310) 410-1744*

EXHIBITORS

Exhibit Area Map will be available at InfoFair '96

DIRECTIONS

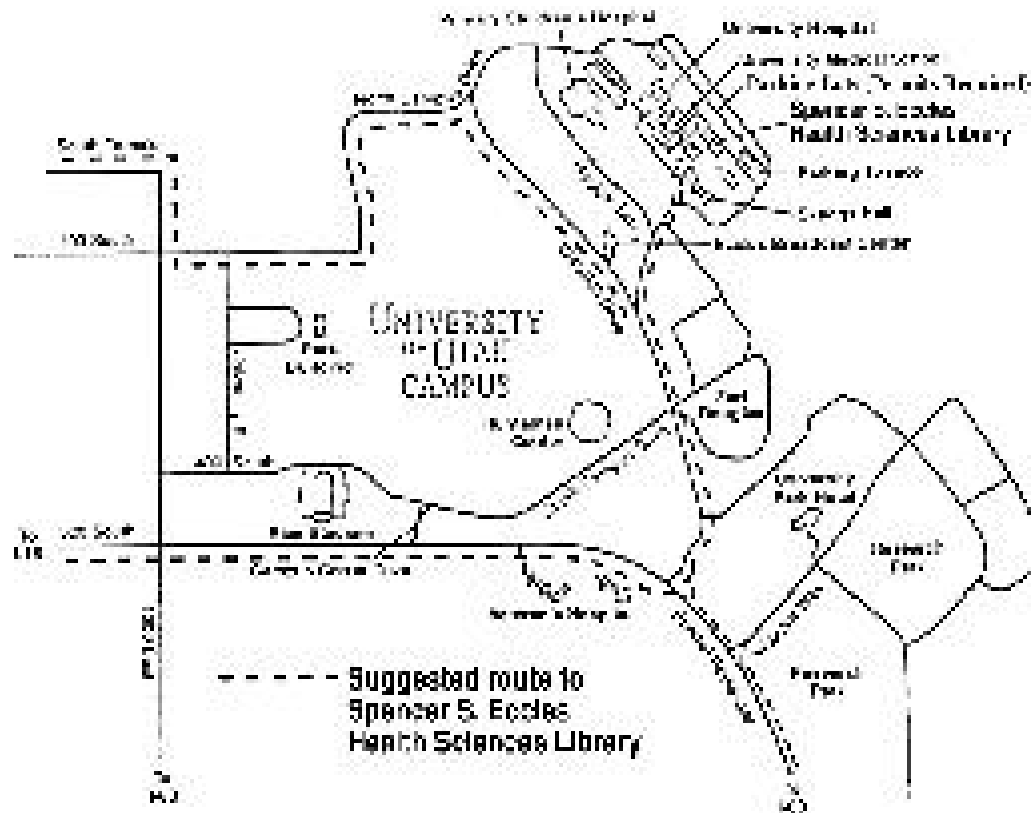


XMISSION INTERNET

Utah's largest commercial Internet Service Provider, providing services for business and individuals. How to use the Internet for business success will be the focus of this exhibit. *John Webster, Pete Ashdown, Sue Ashdown, Bill Swinyard, Jason Kohles, XMission Internet, 51 East 400 South, Suite 200, Salt Lake City, UT 84111, (801) 539-0852, FAX: (801) 539-0853, INTERNET: john@xmission.com*

The Spencer S. Eccles Health Sciences Library is located on the University of Utah Health Sciences Center Campus just south of the University Hospital/School of Medicine Building and northeast of the Nursing Building. The George and Dolores Eccles Institute of Human Genetics is located southeast of the Library. Signs on Wasatch Drive and North Medical Drive mark the route to the Spencer S. Eccles Health Sciences Library. A brochure on "Transportation to Eccles Library" is available by calling (801) 581-5534 or via the web at: <http://www-medlib.med.utah.edu/infofair/trans.pdf>

Parking at the University is quite a challenge at times. Parking passes are available from the Parking Services Office located on the west side of Wasatch Drive. Come



early as parking spaces fill up quickly! For a parking brochure or further information about parking at the University of Utah, contact Parking Services at (801) 581-6415. Parking Service Office hours are: 7:30 am - 5:00 pm Monday - Friday. The University Department of Parking and Transportation Services provides free shuttles across campus from 6:00 am to 6:00 pm Monday - Friday. Contact Shuttle Customer Service (801) 581-4189 for details. The Utah Transit Authority (UTA) serves the University of Utah with 21 direct routes including two express routes from Weber and Utah counties. Call UTA at (801) 287-4636 for details and schedule information.

THE CLIFFORD C. SNYDER, M.D. AND MARY SNYDER LECTURESHIP

Dr. Clifford C. Snyder, Professor of Surgery, founded the Division of Plastic and Reconstructive Surgery at the University of Utah School of Medicine in 1967 and served as chair of that division until 1985 when he was appointed Professor Emeritus of Surgery and Associate Dean of the School of Medicine. Throughout his career, Dr. Snyder has been an ardent supporter of the library. Dr. Snyder's endowment of The Clifford C. Snyder, M.D. and Mary Snyder Lectureship provides funding for the featured presentation at InfoFair.

SPECIAL ASSISTANCE PROVIDED BY

The Staff of the Spencer S. Eccles Health Sciences Library
The George & Dolores Eccles Institute of Human Genetics
The University of Utah Computer Center
University of Utah Printing Services
The University of Utah School of Medicine
 Department of Medical Informatics
 Office of Continuing Medical Education
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Faye Hadley, Hospitality Coordinator
Nancy E. Litz, Equipment Coordinator
Wayne J. Peay, The Clifford C. Snyder, M.D. and Mary Snyder
 Lectureship Coordinator

REGISTRATION

INFOFAIR '96 is FREE. The "Advanced HTML," "Introduction to *JavaScript*," and "Finding Information on the Internet" workshops are **FULL**.

Registration is **NOT REQUIRED** for the presentations on "Medicine in the Computer Age," "The Digital Library," or "Electronic Journals on the Web." Seating for these presentations is on a first-come/first-served basis.

QUESTIONS

If you have questions about InfoFair, please contact us:

Reference Department
Spencer S. Eccles Health Sciences Library
University of Utah, Building 589
Salt Lake City, UT 84112
PHONE: (801) 581-5534 or 581-5269 or 581-8771
FAX: (801) 581-3632
INTERNET: joang@ecclab.med.utah.edu

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 Spring 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

ECCLES LIBRARY CLASSES

Descriptions and Schedules

For more information, call (801) 581-5534

Sessions are FREE unless otherwise indicated.

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are available at the Eccles Library. Databases include: Aidslines, 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

Friday, April 5, 1996	2:00 pm - 3:00 pm
Monday, April 15, 1996	11:00 am - Noon
Friday, April 26, 1996	3:00 pm - 4:00 pm
Thursday, May 2, 1996	11:30 am - 12:30 pm
Friday, May 10, 1996	2:00 pm - 3:00 pm
Wednesday, May 15, 1996	11:30 am - 12:30 pm
Friday, May 24, 1996	2:00 pm - 3:00 pm
Friday, June 7, 1996	2:00 pm - 3:00 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. Contact the instructor to arrange for a class. Instructor: Mary E. Youngkin; (801) 581-5534; INTERNET: maryy@ecclab.med.utah.edu.

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 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;

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.

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, April 17, 1996 PC 9:30 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. 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, April 24, 1996 PC 9:30 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 YAHOO, WebCrawler, 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.

Friday, May 3, 1996 PC 9:30 am - NOON

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: 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

Tuesday, May 7, 1996 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. Instructor: Sharon E. Dennis; (801) 585-3928; INTERNET: sdennis@ecclab.med.utah.edu

Friday, May 10, 1996 PC 9:30 am - NOON

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.

Introduction to *JavaScript*

JavaScript is an easy to use scripting language for programming interactivity into Web pages. This hands-on class will introduce participants to basic *JavaScript* programming. Prerequisite: Knowledge of basic HTML and experience with another scripting language such as HyperTalk or dBase. 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

Friday, June 14, 1996 PC 9:30 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, May 14, 1996 PC 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

Thursday, May 9, 1996 3:00 pm - 5:00 pm

Papyrus for the PC

Wednesday, May 15, 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, May 1, 1996 NOON - 1:00 pm
Wednesday, June 5, 1996 NOON - 1:00 pm

UCC FREE SEMINARS

Spring 1996

All classes begin at NOON in 3465 MEB unless otherwise indicated.

The University of Utah Computer Center offers **FREE** 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.

The electronic version of this schedule is available via the University of Utah Computer Center web site: <http://www.cc.utah.edu> (choose: Seminars). 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).

April 1, 1996	Survey of <i>PowerPoint</i>
April 2, 1996	Internet History, Jargon and Etiquette
April 3, 1996	Survey of <i>MS Word 6</i>
April 4, 1996	Spinning A Web Home Page (setup, graphics, HTML)
April 8, 1996	Survey of PhotoShop
April 9, 1996	E-Mail: Basics
April 10, 1996	Survey of Windows 95 [Windows]
April 15, 1996	Modems & Dialup
April 16, 1996	Mac Tips [Macintosh]
April 17, 1996	Transferring Files via Modem
April 18, 1996	E-Mail: Basics
April 22, 1996	The Internet Client Kit [Windows]
April 24, 1996	The "Internet Client Kit" [Macintosh]
April 25, 1996	E-Mail: Pine
April 29, 1996	World Wide Web
April 30, 1996	NewsGroups
May 1, 1996	Netscape Navigator and Interesting URLs
May 2, 1996	E-Mail: <i>Eudora</i> [Macintosh]
May 6, 1996	Gopher, Jughead and Veronica
May 7, 1996	Archie & FTP
May 8, 1996	Spinning A Web Home Page (setup, graphics, HTML)
May 9, 1996	E-Mail: <i>Pegasus</i> [Windows] Rm. 304B Marriott Library
May 13, 1996	HTML (part 1)
May 14, 1996	Basic UNIX Commands
May 15, 1996	HTML (part 2)
May 16, 1996	PGP: Pretty Good Privacy
May 20, 1996	Computers and the "Americans with Disabilities Act"
May 21, 1996	CGI: Common Gateway Interface
May 22, 1996	E-Mail: Basics
May 23, 1996	CGI Programming and HTML Forms

UCC SHORT COURSES

Registration Information

UCC MAC SHORT COURSES

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**.]

The electronic version of this schedule is available via the University of Utah Computer Center web site: <http://www.cc.utah.edu> (choose: Short Courses). 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)

Macintosh Classes

304A Marriott Library
3465 Merrill Engineering Building

All courses listed with an ID number greater than 01 require "Introduction To The Mac" knowledge.

M00 Computer Fundamentals Learn how to take advantage of the various computer facilities and short courses at the University of Utah.

April 2, 1996	9:55am-11:50am	304A Marriott
April 3, 1996	2:15pm-4:10pm	3465 MEB
April 9, 1996	9:55am-11:50am	304A Marriott
April 30, 1996	2:15pm-4:10pm	304A Marriott

M01 Introduction To The Mac Fundamental concepts used in all Macintosh programs. Items covered include System, Finder, Windows, mouse, icons, menus, edit, save, open, print, etc. Take this class first, as the knowledge covered is a prerequisite for all other courses taught on the Macintosh.

April 4, 1996	9:55am-11:50am	304A Marriott
April 8, 1996	2:15pm-4:10pm	304A Marriott
April 15, 1996	2:15pm-4:10pm	304A Marriott
April 23, 1996	2:15pm-4:10pm	304A Marriott
April 29, 1996	2:15pm-4:10pm	3465 MEB
May 2, 1996	9:55am-11:50am	3465 MEB

M05 Claris Works (Word Processing) Using "Claris Works" to do basic word processing. Items covered include editing text, formatting paragraphs, tabs, changing font types, styles and sizes, headers, footers, footnotes. Prerequisite: "Introduction To The Mac" course knowledge.

April 10, 1996	2:15pm-4:10pm	304A Marriott
May 1, 1996	2:15pm-4:10pm	3465 MEB

M15 MS Word 5.1 (part 1) Basic word processing operations. Topics include tabs, margins, page numbering and page preview. Prerequisite: "Introduction To The Mac" course knowledge.

April 22, 1996	2:15pm-4:10pm	304A Marriott
May 14, 1996	9:55am-11:50am	304A Marriott

UCC MAC SHORT COURSES

Registration
information on
page 19.

M16 MS Word 5.1 (part 2) Intermediate features. Topics include spell checking, footnotes, and multiple columns. Prerequisite: "MS Word 5.1 (part 1)" course.

April 24, 1996	2:15pm-4:10pm	304A Marriott
May 16, 1996	9:55am-11:50am	304A Marriott

M24 Moving To MS Word 6.0 Tips on moving from MS Word 5.1 to 6.0. Prerequisite: Familiarity with MS Word 5.1.

April 25, 1996	9:55am-11:50am	3465 MEB
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M25 MS Word 6.0 (part 1) Basic word processing operations. Topics include tabs, margins, page numbering and page preview. Prerequisite: "Introduction To The Mac" course information.

April 9, 1996	9:55am-11:50am	3465 MEB
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M26 MS Word 6.0 (part 2) Intermediate features. Topics include spell checking, footnotes, and multiple columns. Prerequisite: MS Word 6.0 (part 1)

April 16, 1996	9:55am-11:50am	3465 MEB
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M27 MS Word 6.0 (part 3) Advanced features. Topics include built-in styles, tables, and paragraphs. Prerequisite: MS Word 6.0 (part 2).

April 18, 1996	9:55am-11:50am	3465 MEB
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M33 Scanning Text & Images An introduction to the scanning of text and images and associated scanning software including *Ofoto*, *Photoshop*, and *OmniPage*. Prerequisite: "Introduction To The Mac" course knowledge.

May 8, 1996	2:15pm-4:10pm	3465 MEB
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M35 Photoshop (part1) An introduction to *Adobe Photoshop 3.0* covering fundamental techniques and concepts including elementary selection techniques, and an overview of the toolbox tools. Prerequisite: Course knowledge from "Introduction To The Mac."

May 7, 1996	9:55am-11:50am	3465 MEB
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M36 Photoshop (part2) Describes advanced selection techniques and toolbox use, image manipulation and adjustment, masking, and filters. Prerequisite: "Photoshop (part 1)" course knowledge.

May 9, 1996	9:55am-11:50am	3465 MEB
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M44 PowerPoint Introduction to powerful presentation techniques integrating text, graphics/images, sound, and video. Prerequisite: "Introduction To The Mac" course knowledge.

April 17, 1996	2:15pm-4:10pm	3465 MEB
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M61 HyperCard Introduction *Hypercard* is a general purpose knowledge management tool. How to produce simple *HyperCard* applications. Prerequisite: "Introduction To The Mac" course knowledge.

April 22, 1996	2:15pm-4:10pm	3465 MEB
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MAC SHORT COURSES

UUC PC (WINDOWS) SHORT COURSES

Registration
information on
page 19.

M62 HyperCard Basic Scripting How to take advantage of *HyperCard* programming tools; this course does not require prior programming knowledge. Prerequisite: "*HyperCard* Introduction" course knowledge.

April 24, 1996 2:15pm-4:10pm 3465 MEB

PC (WINDOWS) Classes

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

All courses listed with an ID number greater than 01 require "Introduction To The PC" knowledge.

W00 Computer Fundamentals Learn how to take advantage of the various computer facilities and short courses at the University of Utah.

April 3, 1996 2:15pm-4:10pm 304B Marriott
May 1, 1996 2:15pm-4:10pm 304B Marriott

W01 Introduction To The PC Fundamentals of the PC (IBM Personal Computer), for those who have little or no experience with a computer. The information in this class is a prerequisite for all courses taught in the DOS and/or Windows environment. * This class is also listed as D01 (same information).

April 8, 1996 2:15pm-4:10pm 304B Marriott
April 11, 1996 7:00pm-9:00pm 304B Marriott
April 22, 1996 9:00am-11:00am Eccles Library
May 6, 1996 2:15pm-4:10pm 304B Marriott

W02 Windows Introduction The Windows Graphical User Interface, for those with little or no experience. The Pull-Down Menus will be shown, and how to access features using a mouse and/or keyboard, via CUA (Common User Access). This also includes a discussion of hardware requirements. Suggested: "Introduction To The PC" course knowledge.

April 9, 1996 9:55am-11:50am 304B Marriott
April 10, 1996 2:15pm-4:10pm 304B Marriott
April 18, 1996 7:00pm-9:00pm 304B Marriott
April 24, 1996 9:00am-11:00am Eccles Library
May 8, 1996 2:15pm-4:10pm 304B Marriott

W11 WordPerfect Introduction The fundamental system used in all versions of this powerful word processor, to create a document. Features include help, cursor, selecting text, save, open, and print. Prerequisite: "Windows Introduction" course knowledge.

April 16, 1996 2:15pm-4:10pm 304B Marriott
April 25, 1996 7:00pm-9:00pm 304B Marriott

W12 WordPerfect Editing Features such as spell, thesaurus, codes, bars, and find. Prerequisite: "WordPerfect Introduction" (Windows) course knowledge.

April 18, 1996 2:15pm-4:10pm 304B Marriott
May 2, 1996 7:00pm-9:00pm 304B Marriott

UCC PC (WINDOWS) SHORT COURSES

Registration
information on
page 19.

W13 WordPerfect Format Features used in creating a report or thesis, such as tabs, margins, columns, footnotes, labels and page numbering. Prerequisite: "WordPerfect Introduction" (Windows) course knowledge.

April 23, 1996	2:15pm-4:10pm	304B Marriott
May 9, 1996	7:00pm-9:00pm	304B Marriott

W14 WordPerfect Graphics Simple desktop publishing features such as fonts, non-keyboard characters, lines, graphic images and utilities. Prerequisite: "WordPerfect Introduction" (Windows) course knowledge.

April 25, 1996	2:15pm-4:10pm	304B Marriott
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W15 WordPerfect Tools Features such as macros, mail merge, sort, and tables. Prerequisite: "WordPerfect Introduction" (Windows) course knowledge.

May 2, 1996	2:15pm-4:10pm	304B Marriott
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W21 MS Word 6.0 (part 1) Basic word processing operations. Topics include tabs, margins, page numbering and page preview. Prerequisite: "Windows Introduction" course knowledge.

April 29, 1996	9:00am-11:00am	Eccles Library
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W22 MS Word 6.0 (part 2) Intermediate features. Topics include spell checking, footnotes, and multiple columns. Prerequisite: MS Word 6.0 (part 1) course knowledge.

April 30, 1996	9:00am-11:00am	Eccles Library
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W23 MS Word 6.0 (part 3) Advanced features. Topics include built-in styles, tables, and paragraphs. Prerequisite: MS Word 6.0 (part 2) course knowledge.

May 2, 1996	9:00am-11:00am	Eccles Library
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W33 Graphics Introduction Drawing tools used to create & edit figures, using *WP Presentations for Windows*. Also, bitmap vs. vector graphic images. Prerequisite: "Windows Introduction" course knowledge.

April 30, 1996	2:15pm-4:10pm	304B Marriott
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W34 Presentation Graphics Create text, various charts, slide shows and multimedia items (sound & animation), using *WP Presentations for Windows*. Prerequisite: "Graphics Introduction" course knowledge.

May 7, 1996	2:15pm-4:10pm	304B Marriott
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W44 PowerPoint Introduction to powerful presentation techniques integrating text, graphics/images, sound, and video. Prerequisite: "Windows Introduction" course knowledge.

April 15, 1996	9:55am-11:50am	304B Marriott
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UUC PC (DOS) SHORT COURSES

Registration
information on
page 19.

MARRIOTT LIBRARY SHORT COURSES

Spring 1996

PC (DOS) Classes

304B Marriott Library

All courses listed with an ID number greater than 01 require "Introduction To The PC" knowledge.

D00 Computer Fundamentals Learn how to take advantage of the various computer facilities and short courses at the University of Utah.

April 2, 1996	9:55am-11:50am	304B Marriott
April 16, 1996	9:55am-11:50am	304B Marriott

D01 Introduction To The PC Fundamentals of the PC (IBM Personal Computer), for those who have little or no experience with a computer. The information in this class is a prerequisite for all courses taught in the DOS and/or Windows environment. * This class is also listed as W01 (same information).

April 4, 1996	9:55am-11:50am	304B Marriott
April 16, 1996	7:00pm-9:00pm	304B Marriott
April 18, 1996	9:55am-11:50am	304B Marriott

D02 DOS Introduction A hands on approach to understanding the disk directory structure. This will aid in program use, organizing files, and directory navigation in DOS & Windows. Anyone who owns a PC should take this class. Prerequisite: "Introduction To The PC" course knowledge.

April 25, 1996	9:55am-11:50am	304B Marriott
April 30, 1996	7:00pm-9:00pm	304B Marriott

D03 DOS Commands Survey of common DOS commands used in file, directory and system management. Anyone who owns a PC should take this class. Prerequisite: "Introduction To The PC" course knowledge.

May 2, 1996	9:55am-11:50am	304B Marriott
May 7, 1996	7:00pm-9:00pm	304B Marriott

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 Spring 1996 schedule is printed here but is also available via Marriott Library's web site <http://www.lib.utah.edu/instruction/spring96.html> For further information, contact Kenning Arlitsch, Technology Instruction Librarian, (801) 585-3721, INTERNET: karlitsc@alexandria.lib.utah.edu

MARRIOTT LIBRARY SHORT COURSES

Spring 1996

MAGAZINE AND NEWSPAPER INDEXES

Introduction to Electronic Searching (focus on science & engineering)

April 10, 1996 (Wednesday) 2-3:30 pm

UNIS (Marriott's Online Catalog)

April 9, 1996 (Tuesday) 3 pm

April 18, 1996 (Thursday) 4 pm

May 6, 1996 (Monday) 11 am

InfoTrac CD-ROM Databases (Our most popular indexes)

April 10, 1996 (Wednesday) 11 am

Social Sciences Medley (*Social Sciences Index, PsycLit, Sociofile, Social Work Abstracts, ERIC*)

April 8, 1996 (Monday) 10 am

May 1, 1996 (Wednesday) 3 pm

Lexis/Nexis (Huge full-text online database)

April 15, 1996 (Monday) 11 am

May 1, 1996 (Wednesday) 11 am

May 6, 1996 (Monday) 11 am

FirstSearch (Group of 12 online indexes)

April 17, 1996 (Wednesday) NOON

FirstSearch for Science & Engineering

April 9, 1996 (Tuesday) 2-3:30 pm

Databases for Business (Periodical indexes)

April 23, 1996 (Tuesday) 3-4:30 pm

May 21, 1996 (Wednesday) 2-3:30 pm

Advanced Databases for Physical Sciences and Engineering (*Inspec, Compendex, Chemical Abstracts*)

April 24, 1996 (Wednesday) 2-3:30 pm

Advanced Databases for the Life Sciences (Cambridge Life Sciences, BIOSIS, MEDLINE)

May 8, 1996 (Wednesday) 2-3:30 pm

Tanner Room Special (come and enjoy this lecture/tour of Special Collections)

April 11, 1996 (Thursday) NOON

May 7, 1996 (Tuesday) 6 pm

HANDS-ON CLASSES

Registration is **required** for the hands-on component of the class because we have only 15 computers. All Internet classes except **HTML** have lecture portions. 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. Except for the HTML classes (which will meet directly in the lab), we will meet in Room

MARRIOTT LIBRARY SHORT COURSES

Spring 1996

MEDICAL INFORMATICS SEMINARS

Spring 1996

**Tuesdays,
NOON - 1:00 pm**

Classroom B
(Gates Lecture
Hall), School of
Medicine Building

462 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.

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

INTERNET TOPICS (All Internet classes are hands-on class)

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

April 16, 1996 (Tuesday) 4-6 pm

April 16, 1996 (Tuesday) 6-8 pm

April 23, 1996 (Wednesday) 6-8 pm

World Wide Web (Navigate WWW with *Netscape*)

April 17, 1996 (Wednesday) 2-4 pm

April 22, 1996 (Monday) 10 am-NOON

May 9, 1996 (Thursday) 1-3 pm

May 14, 1996 (Tuesday) 6-8 pm

FTP and Archie (Finding and transferring files)

April 25, 1996 (Thursday) 3-5 pm

HTML (Writing WWW home pages)

April 23, 1996 (Tuesday) NOON-2 pm

April 26, 1996 (Friday) 10 am-NOON

May 13, 1996 (Monday) 6-8 pm

The Medical Informatics Seminar schedule is available electronically on the World Wide Web (<http://www.med.utah.edu/medinfo/seminar.html>).

April 2, 1996

Ping Wang, Graduate Student, Department of Medical Informatics
An Outcome Measurement Tool for Quality Improvement

April 9, 1996

Matt Sailors, Graduate Student, Department of Medical Informatics
Topic: to be announced

April 16, 1996

Derrick Albright, Graduate Student, Department of Medical Informatics
Knowledge Management and Knowledge Reuse with HELP Pharmacy
Alert MLMs

April 23, 1996

Brian Chapman, Graduate Student, Department of Medical Informatics
Assessment of Vessel Visibility in MRA Using Signal Detection Theory

MEDICAL INFORMATICS SEMINARS

Spring 1996

Tuesdays,
NOON - 1:00 pm

LIBRARY SERVICES NEWS

Telnet and
Updated
Windows and
Macintosh
Access To
Eccles Library
Online Catalog
Now Available

April 30, 1996

Karen Abston, Graduate Student, Department of Medical Informatics
Application of Unsupervised Classification on a Clinical Database

May 7, 1996

Mike Ekstrom, Graduate Student, Department of Medical Informatics
Quality Control in Clinical Transcription Systems

May 14, 1996

Joe Dalto, Graduate Student, Department of Medical Informatics
Impact of Automated Data Collection from Infusion Pumps on ICU Units

The Horizon Online Catalog is a computerized index to library materials owned by the Spencer S. Eccles Health Sciences Library, the Hope Fox Eccles Clinical Library, and participating members of the Utah Health Sciences Library Consortium (UHSLC). It contains records of books, journal titles and holdings, audiovisuals, University of Utah Health Sciences theses, and government documents.

The Horizon software, a product of Ameritech Library Services, provides both text-based and graphical interfaces to the online catalog.

If you are a student at the University of Utah or are a member of the University of Utah faculty or staff and you are using Macintosh System 7 or Microsoft Windows (3.1 or Windows 95), new graphical Horizon client software (Horizon 3.2.2) is available by contacting the Eccles Library Reference Desk, (801) 581-5534. Brochures on how to obtain and install the software and how to search the library's online catalog via the Macintosh and Windows graphical interfaces are available at the Reference Desk as well.

It is also possible to telnet to the Spencer S. Eccles Health Sciences Library Online Catalog:

telnet address: library.med.utah.edu
login as: guest

When you are prompted for a password, just press the ENTER key. Telnet provides a text-based interface to the online catalog.

If you are at the University of Utah and you are using IBM OS/2 (2.1 or WARP) or X-Windows on a SUN running SOLARIS, and are interested in using the graphical OS/2 or X-Windows clients, please contact Joan M. Gregory, (801) 581-5269, INTERNET: joang@ecclab.med.utah.edu to arrange to obtain the Horizon client software for these operating systems.

**Deadline and
Mailing List**

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 May 1996 issue of the *IAIMS Newsletter* is: April 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**

To be added to the **printed** newsletter mailing list, send the following information to: Joan M. Gregory, Editor, *IAIMS Newsletter*, Spencer S. Eccles Health Sciences Library, University of Utah, Building 589, Salt Lake City, UT 84112. VOICE: (801)581-5269. FAX: (801)581-3632. INTERNET: joang@ecclab.med.utah.edu.

IAIMS NEWSLETTER MAILING LIST

Please add my address to the **printed** *IAIMS Newsletter* Mailing List.

Name: _____

University of Utah Department: _____

University of Utah Campus Address: _____

Company/Institution: _____

Address: _____

City: _____

State/Zip Code: _____

**Spencer S. Eccles Health Sciences Library
University of Utah
Building 589
Salt Lake City, Utah 84112**

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