



# IAIMS NEWSLETTER

A publication of the Spencer S. Eccles Health Sciences Library at the University of Utah

Spring 2000

Volume 15 InfoFair 2000 Supplement

## InfoFair 2000

Thursday, March 23, 2000

### **Video Visions: Integrating Multimedia in the Curriculum**

*presented by*

*The University of Utah Spencer S. Eccles Health Sciences Library*

*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 2000 is **Video Visions: Integrating Multimedia in the Curriculum**. The Clifford C. Snyder, M.D. and Mary Snyder Lecturer is Joseph V. Henderson, M.D., Director, Interactive Media Laboratory, Dartmouth Medical School, New Hampshire.

A panel discussion follows Dr. Henderson's lecture. Panelists join Dr. Henderson in discussing issues related to integrating multimedia in educational and clinical settings. Panel participants are Kirtly Parker Jones, M.D., Larry G. Reimer, M.D., Stephanie J. Richardson, R.N., Ph.D., with moderator Wayne J. Peay, M.S. Questions and input from the audience is encouraged.

Afternoon demonstration workshops start with Paul E. Burrows, Manager, Technology Integration and Design at KUED Media Solutions, presenting **Digital Video for Web/CD-ROM/DVD-Videodisc: A Reality Check**. The second workshop features Nancy T. Lombardo, M.L.S. who will discuss **Streaming Video: From Creating to Viewing**. Joseph V. Henderson will conclude

the workshops by demonstrating **Streaming Video with a NICE Touch: Narrative, Immersive, Constructivist, Environments**. Library staff will be available to answer questions about access to electronic resources at the Electronic Resources Fair. Meet informally with staff in the Reference area on the main level of the Spencer S. Eccles Health Sciences Library.

Plan to visit the InfoFair 2000 Multimedia Web Gallery via the InfoFair 2000 website at <http://medlib.med.utah.edu/infofair/gallery.html> Links highlight multimedia examples that can be used for a variety of educational purposes.

### ***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.

# InfoFair 2000 Program

## The Clifford C. Snyder, M.D. and Mary Snyder Lecture and Panel Discussion

Location: George and Dolores Eccles Institute of Human Genetics Auditorium

9:30 A.M.-10:45 A.M. **Introduction**

*Wayne J. Peay, M.S.*

**Sex, Lies and Multimedia: The HIV Virtual Practicum for Health Professionals**

*Joseph V. Henderson, M.D.*

10:45 A.M.-11:00 A.M. **Refreshments**

11:00 A.M.-Noon **Panel Discussion: “How do we integrate material like this into our curriculum?”**

*Moderator: Wayne J. Peay, M.S.*

*Panelists: Joseph V. Henderson, M.D.*

*Kirtly Parker Jones, M.D.*

*Larry G. Reimer, M.D.*

*Stephanie J. Richardson, R.N., Ph.D.*

Noon-1:30 P.M. **Electronic Resources Fair: Responding to Your Needs**

Location: Spencer S. Eccles Health Sciences Library, Reference Area—Main Level

## Afternoon Presentations

Location: Spencer S. Eccles Health Sciences Library, History of Medicine Room—Upper Level

1:30 P.M.-2:15 P.M. **Digital Video for Web/CD-ROM/DVD-Videodisc: A Reality Check**

*Paul E. Burrows, M.S.*

2:15 P.M.-2:30 P.M. **Break**

2:30 P.M.-3:15 P.M. **Streaming Video: From Creating to Viewing**

*Nancy T. Lombardo, M.L.S.*

3:15 P.M.-3:30 P.M. **Break with light refreshments**

3:30 P.M.-4:15 P.M. **Streaming Video with a NICE Touch: Narrative, Immersive, Constructivist, Environments**

*Joseph V. Henderson, M.D.*

## Multimedia Web Gallery

The Multimedia Web Gallery is linked via the InfoFair 2000 website:

<http://medlib.med.utah.edu/infofair/gallery.html>



## *The Clifford C. Snyder, M.D. and Mary Snyder Lecture Abstract*

### **Sex, Lies and Multimedia: The HIV Virtual Practicum for Health Professionals**

Dr. Henderson will describe and demonstrate two multimedia CD-ROM programs: *Primary Care of the HIV/AIDS Patient*, and *Preventive Medicine in the Combat Theater*. These are but two of the many programs he has developed including pediatric emergencies and breast cancer. Dr. Henderson can be considered a "playwright" in that he carefully scripts his simulated scenes for patient encounters. He pays strict attention to environment and accuracy. Additionally he draws on learning models that are appropriate for complex topics. Schon's "reflective practicum" and Boisot's epistemological space as well as Kolb's learning cycle have influenced him.

Dr. Henderson's programs were originally developed on videodiscs while he was in the military. In 1989 he "retired" from the Navy and USUHS where he was Director of the Center for Interactive Media in Medicine to direct the Interactive Media Laboratory at Dartmouth where he is also a member of the Departments of Community and Family Medicine and Surgery. He has continued to revise, remodel and create new programs always on the bleeding edge of new technology (explaining his adjunct appointment in the School of Engineering). All of his programs deal with complex topics that are not amenable to standard, fact-based, drill-and-practice approaches; there is an emphasis on decision making, particularly in situations where technical and scientific knowledge must be balanced by less quantifiable kinds of knowledge, such as artistry, intuition and empathy.

Currently he is working at encoding some of his programs in MPEG2 for the next-generation Internet. An advantage of Internet Web delivery is that programs can incorporate "smart" interfaces to relevant websites. Smart interfaces can check several sites simultaneously comparing them for content, updates, and verifying the authoritativeness of information presented. Health professional education applications need to be frequently updated and this can be easily accomplished.



## *The Clifford C. Snyder, M.D. and Mary Snyder Lecturer*

### **Joseph V. Henderson, M.D.**

*Director, Interactive Media Laboratory, Dartmouth Medical School, New Hampshire*



Joseph V. Henderson, M.D., has 15 years experience as a multimedia developer and medical educator. He founded and directed the Center for Interactive Media in Medicine at the Uniformed Services University of the Health Sciences, Bethesda, MD; there he developed ground-breaking multimedia applications that are still considered prime examples of exciting and effective uses of these technologies. For the past decade he has directed the Interactive Media Laboratory (IML) at Dartmouth Medical School, where he has been developing interactive multimedia programs for health professionals and patients. Dr. Henderson has also been assisting in the development of a global distance learning system for the U. S. Army by developing advanced applications and tools that will better anticipate the arrival of ubiquitous, broadband networks. IML is now collaborating with the Centers for Disease Control and Prevention to develop a next-generation distance learning system for public health.

## *InfoFair Presenters and Panelists*

### **Paul E. Burrows, M.S.**

*Manager, Technology Integration and Design, KUED Media Solutions, University of Utah*



Paul Burrows is associated with KUED Media Solutions, a video, multimedia and World Wide Web design and production facility for the University of Utah. He is currently manager of Technology Integration, helping faculty and other University service departments match their media needs to an appropriate technology or delivery method. With 25 years experience in video and multimedia production, Paul brings a unique perspective from "the trenches" of media production and distribution.



**Kirtly Parker Jones, M.D.**

*Associate Professor and Vice Chair for Educational Affairs, Department of Obstetrics and Gynecology, University of Utah School of Medicine*

Dr. Jones' clinical interests are in the area of contraception, infertility and menopause. She has written numerous articles for publication in various medical journals in the area of education and reproductive health. Dr.



Jones received her Doctorate at the University of Colorado School of Medicine and trained in Obstetrics and Gynecology and Reproductive Endocrinology at the Brigham and Women's Hospital and Harvard Medical School. She is Board certified in both her specialty of Obstetrics and Gynecology, and subspecialty of Reproductive Endocrinology. She is the immediate past chair of the Board of the Association of Reproductive Health Professionals.

**Nancy T. Lombardo, M.L.S.**

*Systems Librarian, Spencer S. Eccles Health Sciences Library, University of Utah*

Nancy Lombardo received her Masters of Library Science from Emporia State University in August 1994 and accepted a position at the Eccles Library in October 1994. Nancy is the co-principal investigator for a Higher Education Technology Initiative Grant that led to the development of the virtual course



Internet Navigator. As the Systems Librarian, Nancy works with the library's technical staff to coordinate, maintain and improve the library's technological capabilities. In addition, Nancy teaches a variety of Internet classes and works with library faculty and staff on projects to enhance Eccles Library services through appropriate use of technology.

**Larry G. Reimer, M.D.**

*Professor of Medicine and Pathology, School of Medicine, University of Utah and Chief of Infectious Diseases and Chief of Clinical Microbiology and the Hospital Epidemiologist, V.A. Medical Center, Salt Lake City*

Dr. Reimer completed a residency in internal medicine at the University of Arizona in 1978, and a fellowship in infectious diseases and microbiology at the University of Colorado in 1981. He has been at the University of Utah since 1984. In addition to the above appointments, he is heavily involved in clinical care of patients with HIV infection, and in student education. He directs

a medical student course, a physician assistant student course, and a postgraduate fellowship in clinical microbiology; directs organ system teaching in the basic sciences for medical students; and is the chair of the second year medical school curriculum committee.

**Stephanie J. Richardson, R.N., Ph.D.**

*Assistant Professor, College of Nursing, University of Utah*

An experienced critical-care nurse, Dr. Richardson has taught with the College of Nursing since 1986. She currently uses four different software and CD-ROM programs to help teach nursing students psycho-motor skills. She also developed an email exchange program

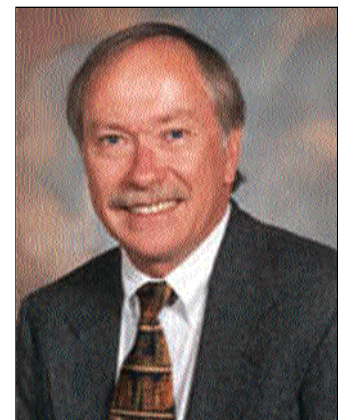


between students at the University of Utah and nursing students in such diverse places as Ireland, Thailand, Finland, Israel, and England. A tutorial she created with another nursing faculty member on immune, inflammation, and coagulation physiology is used in the nursing graduate program.

**Wayne J. Peay, M.S.**

*Director, Spencer S. Eccles Health Sciences Library, University of Utah*

Wayne Peay received an M.S. degree with honors from the School of Library Service of Columbia University in 1977. While attending library school, he was the Assistant Director of the Data Processing Department at the Medical Library Center of New York. Following his graduation, he returned to the University of Utah as Head of Media Services at the Eccles Health Sciences Library. In 1984, he was appointed Director. Currently, he is a member of the University of Utah Task Force on Computing, and is also a member of the Utah Education Network Steering Committee. Wayne has served on the Board of Directors of the Medical Library Association and is a member of the Governor's Utah Steering Committee for the Western Governor's University.



## InfoFair 2000 Abstracts

### **Panel Discussion: “How do we integrate material like this into our curriculum?”**

Local panelists will join Dr. Henderson in discussing the opportunities and the challenges of integrating multimedia in educational and clinical settings. Audience participation and questions are encouraged. The panel moderator is Wayne J. Peay, M.S. Panelists are Kirtly Parker Jones, M.D., Larry G. Reimer, M.D. and Stephanie J. Richardson, R.N., Ph.D.

### **Electronic Resources Fair: Responding to Your Needs**

Library staff will be available to answer your questions about access to electronic resources, including the Horizon Online Catalog and its web-based counterpart WebPAC; bibliographic and full-text databases such as WinSPIRS and PubMed, the Cochrane Library, Health Reference Center, STAT!Ref, Harrison's Online, and ProQuest; full-text journals from A to Z; web-based interlibrary loan requests, and much more. Learn how to print electronic articles in PDF format from your office computer, download the SilverPlatter client, or initiate an interlibrary loan request from your Web browser.

### **Digital Video for Web/CD-ROM/DVD-Videodisc: A Reality Check**

With every passing day, more people are posting digital video clips to the World Wide Web or transferring clips to CD-ROM or DVD-videodisc. Paul E. Burrows will examine what's real, what's hype, and what you should expect in terms of playback performance. Preparing good digital video will also be discussed. Numerous examples will be used for illustration.

### **Streaming Video: From Creating to Viewing**

The Spencer S. Eccles Health Sciences Library has the equipment necessary to create video content which can be delivered over the Internet. Nancy T. Lombardo will demonstrate the details of developing your own video using the library's video creation studio. Ideas and suggestions for producing your own video modules will be discussed. Plug-ins and software necessary for viewing video will be explained and demonstrated.

### **Streaming Video with a NICE Touch: Narrative, Immersive, Constructivist, Environments**

Dr. Henderson will demonstrate an NGI-based (Next Generation Internet) project, developed for the U.S. Army and National Guard. Applying NICE concepts, *Regimental Surgeon* allows an inexperienced doctor to learn the ropes of public health while solving an infectious disease outbreak in Southern Iran where time is short, priorities are competing, the world is at the brink ...

## **Multimedia Web Gallery**

Web-based multimedia resources will be highlighted on the InfoFair website. The featured sites provide creative and informative multimedia examples that can be used for a variety of educational purposes. Numerous disciplines from the health sciences are represented including medicine, nursing and pharmacy. Visit the Multimedia Web Gallery at <http://medlib.med.utah.edu/infofair/gallery.html>



## **Directions and Parking**

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 College of Nursing. The George and Dolores Eccles Institute of Human Genetics is located southeast of the Eccles 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 contacting the Reference Desk 801-581-5534 or via the Web at: <http://medstat.med.utah.edu/pubs/transport.html>

Visitor parking is available directly south of the Eccles Library. The lot is regulated by a ticket and the fee is \$1 per hour to a maximum fee of \$5 per day. Parking passes (\$3.00 per day) are available from the Parking Services Office located on the west side of Wasatch Drive, or from the Hospital cashier located in the lobby at the hospital entrance (801-581-2100). This parking pass allows parking in any A, U or E parking lot. 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 A.M.-5:00 P.M. Monday through Friday.

The University Department of Parking and Transportation Services provides free shuttles across campus from 6:00 A.M. to 6:00 P.M. Monday through 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.



## *Special Assistance Provided by:*

The Staff and Education Team of the  
Spencer S. Eccles Health Sciences Library  
The George & Dolores Eccles Institute of Human Genetics  
The University of Utah School of Medicine  
Office of Continuing Medical Education  
The University of Utah Health Sciences Center  
Office of Public Affairs  
The Utah Medical Association

## *Program Committee*

Joan M. Gregory, M.L.S.  
Joseph V. Henderson, M.D.  
Jeanne Le Ber, M.L.I.S.  
Nancy T. Lombardo, M.L.S.  
Wayne J. Peay, M.S.  
Suzanne Stensaas, Ph.D.  
Joan M. Stoddart, M.A.L.S.

## *InfoFair 2000 Coordinator*

### **Jeanne Le Ber, M.L.I.S.**

*Assistant Librarian, Education Services, Spencer S. Eccles  
Health Sciences Library, University of Utah*

Jeanne Le Ber received her Masters of Library and Information Science in 1992 from Brigham Young University. As the Education Librarian, Jeanne is responsible for coordinating the formal education efforts of the Eccles Library in a team environment. She works with faculty from the School of Medicine and Colleges of Health, Nursing and Pharmacy to identify, schedule and teach information literacy classes, with an emphasis on using electronic resources. Jeanne is the editor of the *IAIMS Newsletter*, and coordinates the Library and Information Technology Forums held the second Wednesday of the month from September through May.

## *Coordinators*

Dawn Ashment, Financial Coordinator  
Niloofer Bakhti, Facilitators Coordinator  
Derek Cowan, Website Designer  
Joan M. Gregory, Advisor  
Deborah Hile, Multimedia Web Gallery  
Monica Jenks, Hospitality Coordinator  
Jeanne Le Ber, Publicity  
Nancy E. Litz, Equipment Coordinator  
Mary McFarland and Mary Youngkin,  
Electronic Resources Fair Coordinators  
Wayne J. Peay, The Clifford C. Snyder, M.D. and Mary Snyder  
Lectureship Coordinator

## *Registration*

InfoFair 2000 is **FREE**.  
**REGISTRATION IS NOT REQUIRED.**

## *Accreditation*

### *Continuing Medical Education Credit*

The University of Utah School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

The University of Utah School of Medicine designates this continuing medical education activity for a maximum of 4 hours in Category 2 of the Physician's Recognition Award of the American Medical Association. Each physician should claim only those hours of credit that s/he actually spent in the educational activity.

### *Medical Library Association Continuing Education Credit*

Application has been made for Medical Library Association continuing education credit. Please contact Jeanne Le Ber at 801-585-6744 for more details.

## *Questions*

If you have questions about InfoFair, please contact us:

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Spencer S. Eccles Health Sciences Library  
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PHONE: 801-585-6744 or 581-5534  
FAX: 801-581-3632  
INTERNET: [jeannele@lib.med.utah.edu](mailto:jeannele@lib.med.utah.edu)  
URL: <http://medlib.med.utah.edu/infofair/>



## *Eccles Electronic Resources*

The Spencer S. Eccles Health Sciences Library provides numerous links to electronic resources from their website. During InfoFair 2000, staff from the Eccles Library will be available to answer questions including how to access electronic resources from off-site via the proxy server. So join us at the Electronic Resources Fair from Noon until 1:30 P.M. in the Reference area on the Main Level. Some links of interest:

### **Cochrane Library**

<http://www.updateusa.com/clubip/club.htm>

The Cochrane Library is a source of reliable evidence in health care decision making.

### **Electronic Journals**

<http://medstat.med.utah.edu/database/ejournal.html>

This link provides a list of full-text electronic journals available to the University of Utah community.

### **Harrison's Online and STAT!REF**

<http://www.harrisonsonline.com>

*Harrison's Principles of Internal Medicine* is available online from any University of Utah computer or via the proxy server. Click on the subscriber login button to start your search.

<http://EcclesNT.med.utah.edu/statref/tserver.dll>

STAT!REF provides access to 31 electronic medical and pharmaceutical textbooks.

### **Marriott Library Databases**

<http://www.lib.utah.edu/cgi-bin/drframe.pl>

Marriott Library provides access to a number of databases in various disciplines. PsycInfo and Science Citation Index are just two of many databases that can be searched.

### **National Guideline Clearinghouse**

<http://www.guideline.gov/>

NGC is a public resource for evidence-based clinical practice guidelines, sponsored by the Agency for Healthcare Research and Quality in partnership with the American Medical Association and the American Association of Health Plans.

### **PubMed**

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Bring your questions about the new version of PubMed, the National Library of Medicine's front end to MEDLINE.

### **WebPAC**

<http://medstat.med.utah.edu/webpac/>

Provides access to the Eccles Library Online Catalog over the Web. WebPAC users can search for materials owned by the Eccles Library or member libraries of the Utah Health Sciences Libraries Consortium by keyword, or alphabetically by title, journal title, author, subject and series. Links are provided to Eccles Library electronic journal subscriptions; access to electronic journals requires a University of Utah IP address.

## *Multimedia Resources for Health Sciences Education*

The following web-based multimedia resources provide creative and informative examples that can be used for a variety of educational purposes. Numerous disciplines are represented including the areas of medicine, nursing, and pharmacy.

Sites may require QuickTime, Shockwave, and Flash players to view interactive Web content. If you are using Internet Explorer 3.0 or above, your browser will automatically check for and install the latest versions when you open each movie. If you are using Netscape Navigator, you may download the players for free and follow the installation instructions. Shockwave and Flash are both available at <http://www.shockwave.com> and QuickTime at <http://www.apple.com/quicktime/download/>

### **Auscultation Assistant**

<http://www.med.ucla.edu/wilkes/intro.html>

This site provides a unique way to utilize the multimedia capabilities of the Web to enhance teaching of physical diagnosis. This site was designed to assist medical students and health care professionals with learning how to distinguish between various heart and breath sounds. Using this site will require a computer equipped with a sound card and speakers. The site includes a brief introduction to murmur physiology, an audio listing of systolic murmurs, and various other sound files. This site is hosted by the UCLA School of Medicine.

### **Introduction to Cardiothoracic Imaging**

<http://info.med.yale.edu/intmed/cardio/imaging/>

From the Yale University School of Medicine, this site features a wide variety of imaging techniques, imaging findings, and case studies to facilitate learning in the area of cardiothoracic imaging. Labeled images, a glossary, sound files (such as Transesophageal echocardiography), useful audio notes, and digital video all contribute to making this a valuable resource.

### **Knowledge Weavers**

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

The Spencer S. Eccles Health Sciences Library Knowledge Weavers Project offers many Web-based learning programs and resources for health sciences education, including tutorials on ECGs, multiple sclerosis, and a variety of custom-made animations. Of special note are the HyperHeart and Neuroanatomy animations that require a Flash player. The site also features a multimedia catalog of images, illustrations, animations and videos.

### **Medware**

<http://www.med.uc.edu/medware2/>

The Medware homepage at the University of Cincinnati College of Medicine features software materials created by students, for students. A limited but useful number of Shockwave movies and slides related to the Year I and Year II medical school curriculum are available.



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# *InfoFair 2000*

## *Video Visions: Integrating Multimedia in the Curriculum*

Thursday, March 23, 2000

### Phone Numbers

Administration	801-581-8771
Hours	801-581-8773
Accountant	801-581-5267
Circulation	801-581-8772
Clinical Library	801-581-4686
Computer & Media	801-581-8052
Gifts to Library	801-581-5266
Duplication	801-581-5258
Education Services	801-585-6744
Interlibrary Loans	801-581-5282
Knowledge Weavers	801-585-3031
Reference	801-581-5534
Reserve	801-585-8772
Technical Support	801-581-3691

The *IAIMS Newsletter* is published 3 times a year (August, January, May) with 1 InfoFair Supplement, by: The Spencer S. Eccles Health Sciences Library at the University of Utah.

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