What is MIG?

Medical Informatics Group (MIG) is an academic support unit for the School of Medicine. The overall mission is to manage the academic information (both education and research) needs for the School of Medicine. Under the directorship of Joyce Mitchell, PhD, MIG supports the following major activities:

•Managing the Microcomputer Learning Laboratory in the J. Otto Lottes Health Sciences Library,
•Integrating computing into the curriculum of the School of Medicine,
•Providing biostatistical, grant writing, and research design support,
•Designing and managing the fiber optic backbone network for the health sciences center jointly with the hospital,
•Assisting with computer programming support and information management consultation,
•Providing liaison activities with other parts of campus with respect to computing and statistics,
•Developing long range plans for computer use and academic data management for the School of Medicine, and
•Informatics research and education.

MIG offers a nationally funded program to train postdoctoral and predoctoral candidates for an academic career in health informatics. A three-month postdoctoral fellowship for medical and veterinary students desiring a short research experience is also offered. The training program prepares individuals to develop, use, and evaluate applications of innovative information methods and computers in the health care environment. The program emphasizes the synthesis retrieval, organization, and effective

MIAIMS Liveware Highlight
Joyce A Mitchell

Joyce A Mitchell, PhD, Director of Medical Informatics and Professor, Department of Child Health, has been a faculty member at the University of Missouri-Columbia for 14 years. She received her BA degree from Stephens College and her PhD in genetics from the University of Wisconsin, Madison. She is certified as a PHD Medical Geneticist by the American Board of Medical Genetics. Dr. Mitchell spent two years as a postdoctoral fellow in Medical Information Science at the University of Missouri-Columbia and another two years as a postdoctoral fellow in clinical medical genetics at the University of California, San Francisco.

Dr. Mitchell is the Co-PI for the MIAIMS planning grant awarded January 1994 by the National Library of Medicine. She has also received research funding from the National Institute of Child Health and Human Development, Missouri Department of Health, IBM, the Department of Education, and National Science Foundation. She is the PI of a training grant for medical informatics research training, one of only 10 such awards nationally.

New Hospital CIO

Michael L. Frankenberger has recently joined the University Hospitals and Clinics staff as the Chief Information Officer. Mr. Frankenberger, who has trained in Information Systems, brings his experience in providing strong leadership in implementation of information systems and data/voice communication networks.

Mr. Frankenberger was previously Associate Director, Information Systems at the University of Wisconsin Hospital and Clinics in Madison, Wisconsin. At that institution he directed technical, application development, and computer operations with a staff of 40 professionals. He also managed the installation of that hospital's first client/server application.

Mr. Frankenberger will serve on the MIAIMS Planning Committee as part of the team addressing integration of medical information and accessibility of that information electronically by all appropriate users. "We must ensure that the University Hospitals & Clinics and the Campus are partners in this endeavor. Together we can develop a clinical patient record," said Frankenberger. "Together we can be successful."

MIAIMS Progress Notes

The MIAIMS Planing Committee met August 15th to accept the reports from the 4 subcommittees representing Administration, Education, Patient Care, and Research. A clear set of priorities was voiced by the Planning Committee:

1. Create an administrative structure with a leader.

2. Aquire a relational database, create a warehouse, and give access to information.

3. Focus on an electronic patient record as the overriding institutional goal.

4. Assure network access for all.

The committee feels these priorities are essential if we are to develop an integrated information sharing system, that is available to all who need access and that is easy to use.

Dean Schmidt, Director, J. Otto Lottes Health Sciences Library, presented a demonstration of the world wide web server being organized by the MIAIMS project staff. As reported in the last issue of "Infosphere," this MIAIMS web server will allow access to diverse material related to medical information integration and patient care. It will also provide access to a world of information outside the MU system. This server can be accessed through Mosaic and a number of other WWW client servers at http://www.miaims.missouri.edu.
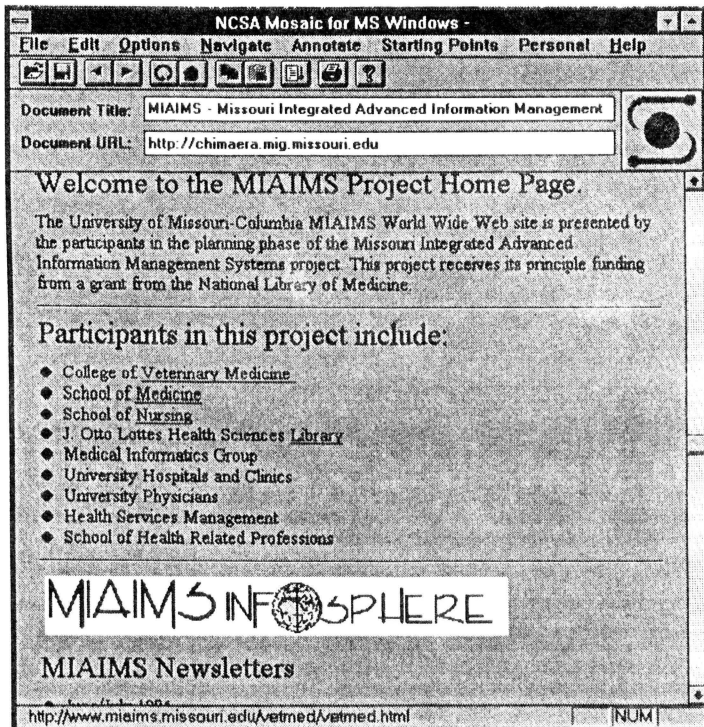
The next considerations for the MIAIMS Planning Committee include identifying costs and resources associated with the project components, establishing working groups, and identifying pilot projects.

Electronic Services Update

The MIAIMS project Electronic Services Initiative continues to progress in its efforts to provide a wide range of fundamental information services to the University of Missouri and to the health care community as a whole. In addition to the MIAIMS World Wide Web home page (for Mosaic users, http:/www.miaims.missouri.edu) new capabilities are being added. Recent additions include Gopher capability and WAIS services.

The ability to present data in Gopher format will allow us to better serve text-mode clients. WAIS (Wide Area Information Services) servers allow presentation of searchable text documents, and can be accessed through WAIS client software or by pass-through mechanisms from Mosaic or Gopher clients. This capability is of particular interest to the medical sciences because of the large volume of health care information stored in document form.

Many specific uses for these facilities are under discussion. We are exploring several possible projects involving both continuing education for physicians and the presentation of patient education material. We have the resources to launch cooperative ventures with departments and research projects in the community that would promote information sharing. If anyone would like to discuss possible projects, please contact the MIAIMS office at 884-6628.

Recommended Guides to the to the Internet
Books:
The Internet Companion, Tracy Laquey,
The Whole Internet Users Guide and Catalogue,
    Ed Krol.
Magazine: Internet World.

MIG - continued from pg 1

management and communication of knowledge. The program has numerous affiliations with faculty from diverse backgrounds and active research programs including seven schools and colleges.

The MIG maintains a special collection library focused on the use of computer technology in health care. The library database system (InMagic) is available for the storage, retrieval, and linkage of references which are concerned broadly with the subject of computer technology for health care or health services.

Liveware continued from pg 1

Dr. Mitchell has served on National Institutes of Health study sections, serves on the board of governors of the American Medical Informatics Association, and the Board of Scientific Councelors for internal research at the National Library of Medicine.

Dr. Mitchell has a high energy level and a commitment to the integration of medical information for electronic access. She can be seen bustling to meetings such as the Medical Records Committee, Medical School Computer Advisory Board, the Fiber Optic Committee, and the Academic Computing Council. Almost nothing gets past Dr. Mitchell as she questions details of presentations she attends. Likewise, the humor of a situation does not languish in her presence as she responds with a chuckle, a comment, and a move to the next issue.

Notes from the J. Otto Lottes Health Sciences Library

For more information about the following, call the Health Sciences Library Information Services at 882-6141

FAQ on the HSLNET

HSLNET is the network created by the library to provide access to MEDLINE, CINAHL, Health and CancerLit databases through OVID.

1.   Who can register to use HSLNET databases?

Access is currently available to students, faculty, and staff of the University. Students registered in programs outside of the medical sciences must renew their password each semester. All users must be registered to use HSLNET services.

2.   How do I access HSLNET?

There are three methods for accessing HSLNET - via any local area network connected to the campus or hospital fiber backbone, remote dialup access for anyone without a local area network, or from a public workstation in the library. To access via local area networks, see your network manager to setup your computer. Dialup users need a modem and a telecommunications package that will do VT-100 terminal emulation and X-MODEM download protocol.

3.   Who do I see if I have technical problems?

First report problems to your network manager . S/He may be able to solve the problem without our assistance. If you need to call the library to report your problem, contact Stephanie Poole or Diane Johnson at 882-6141. To help us solve your problem write down any error messages you may have gotten.

4.   Who do I see if I have questions about searching or any of the features of the software?

These types of questions can be answered by any of the librarians on duty. If you need help with a search strategy or just can't figure out how to download call Information Services in the library at 882-6141 and we will try to answer your questions.

New Library Orientation

Information Services in the library has redesigned its orientation for M1 students. The new orientation uses a hands-on format, replacing the traditional lecture. The orientation includes use of LUMIN (UM online catalog) and two electronic systems called SAM-CD and STAT!-Ref. Both are available in the MIG lab and the two PBL labs.

SAM-CD is the electronic format of Scientific American Medicine, a source of information on the management, clinical diagnosis, basic medical science, and drug regimens for 15 internal medicine subspecialties.

STAT!-Ref is an electronic library of textbooks and drug compendia. The collection can be accessed by browsing or by key word searchs.

The new format emphasizes access to books as the first step in an information search. Searching MEDLINE for journal literature is considered the next most valuable information search skill. These skills are addressed in separate orientation sessions.

Info Tours

J. Otto Lottes Health Sciences Library
OVID, MEDLINE, CINAHL Workshops - Fall 1994

To reserve a place in any of the classes contact Stephanie Poole, HSL 212, or call 882-6141. All workshops will be held in HSL 126, J. Otto Lottes Health Sciences Library.

MEDLINE - WINDOWS
Oct. 19   9:00 am - 10:30 am
Nov. 16   2:30 pm - 3:30 pm
Dec. 7   9:00 am - 10:30 am

MEDLINE - DOS
Oct. 18   9:00 am - 10:30 am
Nov. 8   1:00 pm - 2:30pm
Dec. 6   1:00 pm - 2:30 pm

CINAHL (Nursing and Allied Health Database) - DOS
Oct. 21   9:30 am - 11:00 am
Nov. 11   1:30 pm - 3:00 pm
Dec. 9   1:30 pm - 3:00 pm

* Classes may be scheduled for individuals or departmental groups for dates other than those listed above.

Attention Nursing Students and Faculty !

Students and faculty can learn about the new Computer Adaptive Testing (CAT) for the NCLEX-RN exam through a software package available in the MIG lab. The tutorial features a practice test and test-taking tips specific to CAT.

Medical Informatics Group Wednesday 12:40 Seminar

Date	Location	Topic
Oct 5	606 Lewis	Using a name server to locate httpd servers, Timothy Patrick, PhD
Oct 12	606 Lewis	Hospital-wide computerization of physician documentation, James Barthel, MD
Oct 19	M328	Ethics issues in Medicine, JohnOro, MD
Oct 26	606 Lewis	Practical instructional design, John Wedman
Nov 2	606 Lewis	Adventures in Problem Based Learning, Robert Blake, MD
Nov 9		SCAMC - seminar cancelled
Nov 16	606 Lewis	Discussion of events at SCAMC
Nov 30	606 Lewis	Decision Support, Andrew Balas, MD, PhD

MIAIMS INFOSPHERE