

INFOSPHERE

MU HEALTH SCIENCES COMMUNITY

Software Reaches Productive Use Status

On time and on the move, there are two workgroups ready to go productive with their software; OCF(Open Clinical Foundation)/PowerChart and IDXtend Windows for IDX. OCF/PowerChart, a Cerner product, is a database that will contain clinical and core (central, commonly-used) patient information. Initially, the information contained in OCF/PowerChart will include admission/discharge/transfer data from the current Patient Care Systems and Citation, as well as radiology data from the current MARS system. In the near future, OCF will also include selected data from additional systems such as pathology and Medical Records. This software will provide the framework for the Electronic HealthCare Record (EHCR).

In mid-May, selected patient data from the current software (Patient Care Systems, Citation and MARS) will begin to populate the new Cerner database. The PowerChart Results Reporting system will be the initial software to go to first productive status. It will be activated on June 1 on 4-West (Medicine, Cardiology, and Family Medicine of University Hospital) and on June 15 on the Medical and Surgical Oncology Units at EFCC.

On June 12, IDXtend will go to first productive status in the UP Dermatology, Micrographic Surgery and Pediatric Specialty Clinics. IDXtend is the software that will make scheduling appointments and registering patients in the clinics more efficient, by adding a windows "look" to our current IDX system. To understand and appreciate the transition from the paper chart to an electronic chart a comparison might be helpful.

Paper chart management is difficult at best. The process of updating and tracking the patient chart is organized and defined; yet it is not impossible that the chart may sometimes get lost or delayed

somewhere. No chart is the same; the amount and type of paperwork is different for each patient. It must be passed along for physicians, clinicians and administrative personnel to insert a lot of different types of information such as the results of xrays and laboratory tests, doctor notes and financial information. Technically, anyone requesting the chart must fill out a check-out form for Medical Records. If any other staff should need it while it is out, they are required to fill out a transfer note, indicating who now has possession of the chart. Delays can occur when 'loose sheets' or 'papers' (notes/results) have not been put into the chart. Personnel must always be on guard for duplicate charts, too. And only one person, at one time can read the chart.

An electronic record is available immediately to anyone at any time that is authorized, via a computer and a few keystrokes. Processes that once were done manually such as putting test results, doctors notes, referrals, authorizations, etc., into the chart, now may be done via the computer. Delays due to lost or incomplete charts are eliminated. Because the system allows several people to use the chart at the same time, delivery of care is more timely and efficient.

The benefits of an enterprise-wide electronic patient record reflect the strategy as outlined in the Strategic Vision of UMHS, Cerner, IDX and FCG. Patients and staff both benefit. The new model for managed care provides coordination of healthcare and proactive health manage-

ment. A snapshot of the 'Before and After' shows how patient care will be improved:

Before PCCO:

- Single-user enterprise-wide access to charts
- Non-standard clinical vocabulary/documentation
- Patient care information only at one department information available at a time (wherever the paper chart is)
- Patient results retrieval partially automated

After PCCO:

- Multiple user enterprise-wide access
- Standard and uniform clinical documentation and vocabulary
- Total patient care from every point-of-service
- Patient results gathered from multiple departments and put into one view to support clinical decisions

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COLUMBIA

Caring 2000
Patient Centered Care Online

The other PCCO workgroups are on target. PCCO is tracked by a tool called "Scorecard." This process tracks the progress (completion of the main tasks required to reach the first productive status) of each workgroup. The next phase to occur in late 1998 on the PCCO project timeline will bring more workgroups to the first production status.

Abstracts Accepted for AMIA Spring Congress

The following abstracts were accepted for the AMIA Spring Congress, which will be held May 27-30, 1998, in Philadelphia:

- *Enhancing the education and counseling process for patients undergoing genetic testing by providing Internet accessible information*
Adam L. Asare, B.S., Timothy B. Patrick, PhD.
- *A Virtual Library to Serve Organizational Workflow*
James E. Andrews, MLS, Timothy B. Patrick, PhD, Jesse W. Bowen, PhD, Catherine Craven, MLS
- *Taking Outcomes Studies Seriously*
Jerry Sable, MD
- *Validating the Syndetic Structure of the Thesaurus of Health Informatics Terminology*
Colleen M. Meyer
- *Determining Locally Preferred Expressions for Standard Clinical Concepts*
Timothy B. Patrick, PhD, John C. Reid, PhD
- *An Evidence Based Tool for Health Administration Educator CQI*
Timothy B. Patrick, PhD, James Andrews, MLS, Gary K. Allen, PhD., DVM

Computers in the Curriculum Committee (CCC) Progress Notes

The Computers in the Curriculum Committee has appointed a group charged with identifying, reviewing and recommending software to support the curricula of the Schools of Medicine and Health Related Professions. Chaired by James Campbell in Family and Community Medicine, the Software Advisory Committee includes representatives from the School of Medicine, the School of Health Related Professions, Integrated Technology Services, and the Health Sciences Library.

The committee has developed a procedure for conducting content and technical evaluations of software.

Items recently purchased through the School of Medicine/School of Health Related Professions software account:

- Robbins Pathology TextStack
- MAXX (25 of the Little, Brown Company's Spiral Manuals, including The Washington Manual of Medical Therapeutics)
- The Metabolic and Molecular Bases of Inherited Disease
- STAT!-Ref license upgrade to allow for more concurrent users
- Office 97 Professional
- Corel Suite 8
- Steadman's Plus 5.0
- SPSS, SAS, Minitab upgrades
- Programs for the Digital Media Center: Kai's Power Tools, Web Clip Empire, Microsoft FrontPage 98

Items being investigated for purchase:

- Clinical Neurology CD-ROM
- Equipment Training Series: Intro to the PB7200 (2 keypad version: enhanced AND enhanced plus)
- Equipment Training Series: Intro to the Siemens Servo 900C
- Equipment Training Series: Intro to the PB7200 Advanced Options Module
- Advanced Cardiac Life Support (ACLS) training CD

To recommend a title for evaluation and potential purchase, contact James Campbell in Family and Community Medicine at 882-5608.

Noon Seminar Series

The Tuesday Noon Seminar Series continues in Room GL-03-11 from 12:00-1:00 p.m. on the ground level of University Hospital.

May 5

Aimee Beaver
Manager, UP Business Applications
UP Business Applications

May 12

Judith Joy
Manager, CareNet Orders
Management Work
The CareNet Orders Management Project

May 19

Joyce A. Mitchell, PhD
Associate Dean and CIO
Integrated Technology Services
TBA

Queries may be directed to the series director, **Dr. John C. Reid**, at **882-8428**. The latest version of the seminar series schedule is available online at <http://www.hsc.missouri.edu/mig/docs/noon97-8.html>.



Editorial Staff

Linda Cooperstock, Manager, Planning and Coordination; **Alan Arnold**, LAN Manager, Internal Medicine; **Karen Apple**, Senior Information Specialist, ITS; **Rebecca S. Graves**, Information Services Librarian, J. Otto Lottes Health Sciences Library; **Lamar Henderson**, Senior Information Specialist, ITS; **Debra Wheeler**, Information Specialist, ITS.

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From the J. Otto Lottes Health Sciences Library

The Business Side Of Health



You need to write a report on current trends in patient satisfaction. Your boss wants information on competing health care organizations, local and national. A MEDLINE search has turned up little or nothing. Where to turn? The J. Otto Lottes Health Sciences Library provides access to three databases that include coverage of the administrative side of health care, namely General Business File ASAP, ABI/Inform, and HealthSTAR.

General BusinessFile ASAP

covers journal articles from 1995 - Apr 1998, with older articles (1980 - 1994) accessed through the backfile. Topics covered by this database are: finance, acquisitions & mergers, international trade, money management, new technologies & products, local & regional business trends, investments and banking. When in General BusinessFile, there are four additional components that may be searched: Company ProFiles, SIC Description, Investext, and Business Index Backfile. Company ProFiles provides a snapshot of the company, covering such information as address and phone numbers, type of business, variant names, parent and/or subsidiary companies, annual sales, number of employees, fiscal year, and officers' names and positions. SIC Description allows you to search for a SIC code number by keyword, or to search directly by SIC code. Investext provides financial reports on companies covering the exchange stocks are posted to, debt, company history, property and value, and business description. These reports are from companies such as Moody's Investors Service, CIBC Oppenheimer, and Argus Research Corp. The Business Index Backfile covers journal articles from 1980 up through 1994 as mentioned above.

Note that the four additional components — Company ProFiles, SIC Description, Investext, and Business Index Backfile — are only searchable when using PowerTrac. PowerTrac is the more advanced method of searching in General BusinessFile, with EasyTrac being the basic search engine. To choose PowerTrac click

on the icon located in the bottom left of the opening search screen. The four components will then be listed at the bottom of the PowerTrac search screen.

ABI/Inform is a business database aimed at professionals. It contains citations from approximately 1,000 international periodicals covering business and management, including health services management, as well as related functional areas including trends, corporate strategies and tactics, and competitive and product information. Coverage is from 1985 to the present with the complete text included for about 50% of the citations entered since 1991 including such journals as Hospitals & Health Networks, Health Care Financing Review, and Medical Economics. Note that text only is provided. No images or pictures are retained.

A hierarchical classification system enables you to create broad topical subsets before applying specific search terms. The five areas covered by the classification codes include: business environment (e.g., economic conditions, social policy); management function (e.g., public relations, planning, information management); industries and markets, article treatment (e.g., company specific, product specific); and, organization codes (e.g., small business, non-profit institution).

HealthSTAR contains citations to the published literature on health services, technology, administration, and research, focusing on both the clinical and non-clinical aspects of health care delivery. It covers the following topics: evaluation of patient outcomes; effectiveness of procedures, programs, products, services and processes; administration and planning of health facilities, services and manpower; health insurance; health policy; health services research; health economics and financial management; laws and regulation; personnel administration; quality assurance; licensure; and accreditation. HealthSTAR includes citations from journals (1975+) as well as books (1985+), technical reports, meeting abstracts and papers, book chapters, government documents, and newspaper articles, covering 1975 to the present.

Produced cooperatively by the U.S. National Library of Medicine (NLM) and the American Hospital Association, HealthSTAR uses NLM's Medical Subject Headings (MeSH). As some of the information in HealthSTAR is derived from MEDLINE, you may use the limit function to limit a search set to nonMEDLINE information only.

ABI/Inform and HealthSTAR are available through Ovid. All three databases may be accessed from the library's web page, <http://www.hsc.missouri.edu/library>, by clicking on "databases" located under the heading "Library Resources." Once in the "databases page," clicking on the desired database title in the lefthand frame will bring up a description within the right-hand frame. Click on "begin search," found just below the description, in order to link into the database.

If you should have any questions accessing or searching these databases or if you would like us to search them for you, you may call us at **882-6141** or email us at hslrefer@showmo.missouri.edu.

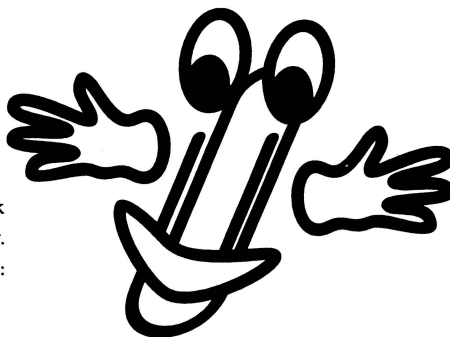
Caution: Wet Virtual Paint!

Check out our virtual remodeling! The webpage for the J. Otto Lottes Health Sciences Library has been redesigned. Visit the site at <http://www.hsc.missouri.edu/library>. Now there are more links with less clicks from the homepage. Visitors get a clear view of what our page has to offer without digging down several layers deep. Our site features Internet search guides, subject as well as alphabetical access to key biomedical sites, and links to electronic journals. Make use of library services directly from our webpage by requesting a library purchase, asking an information question, requesting materials by interlibrary loan, or asking for a literature search. Toolbars at the bottom of the page allow for easy access to the MU webpage and Health Sciences Center website. We would love to hear your comments on our new look as we're keeping the virtual paintbrush handy!

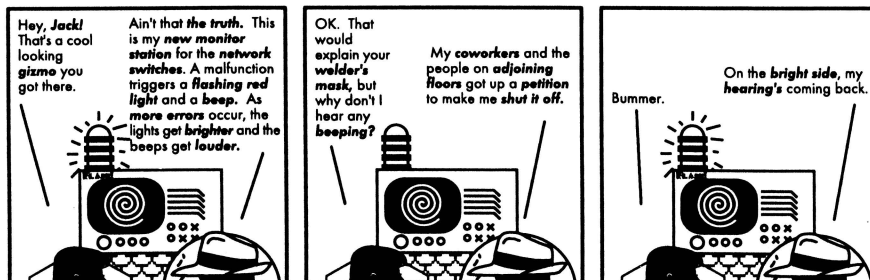
Quick Tips From Mr. Paper Clip

The e-mail migration continues from the current many and various mail platforms to Microsoft Outlook. There are many handy tips in the new system. If you do not have the new system yet, you will. So save these tips that we have compiled below. You'll be glad you did. And now, a Tip on how to get to the Tip Section!

- To access daily tips about Microsoft Outlook e-mail, click the Help icon on the tool bar. The Outlook Office Assistant (Mr. Paper Clip) will appear in the lower right hand corner of your screen. Click on the 'TIP' button to view the daily tip. (It's a good idea to keep Mr. Paper Clip open in the bottom of your screen for ready access to help).
- For a quick way to flag your E-mail messages as "read" press CTRL + Q.
- In the 'to' or 'cc' box, a red wavy line means there's more than one name match in the address book. Right click the name to pick the correct one. Green dashed underline means that's the name you picked last time.
- Been too busy to check the Outlook Tips on a daily basis? Not to worry. Here is how to access previous tips: click ALT + B. Can't wait to see the next tip? Press ALT + N.



Jack Hammer, Network Detective by Alan Arnold



MedLine/CINAHL/ PsycINFO Workshop Schedule

May

MEDLINE	Monday 4 3:30-5:00 pm
CINAHL	Wednesday 6 3:30-5:00 pm
PsycINFO	Tuesday 19 10:00-11:30 am

June

MEDLINE	Tuesday 2 10:00-11:30 am
CINAHL	Wednesday 10 10:00-11:30 am
PsycINFO	Wednesday 17 10:00-11:30 am

July

MEDLINE	Wednesday 8 10:00-11:30 am
CINAHL	Tuesday 14 10:00-11:30 am
PsycINFO	Tuesday 21 10:00-11:30 am

You can search journal literature on the OVID system using Windows or Web. These workshops focus on Windows; you may request Web instructions. Enrollment is limited to eight each. Special dates available. Call **882-6141** or go to <http://www.hsc.missouri.edu/library/docs/wsreg.html> to register or for more information.

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