

Spec-M
58
I
53
40
979

INFO SPHERE

J. OTTO LOTTES HEALTH SCIENCES LIBRARY

FEB - 4 1999

Computer Viruses

The first line of defense is you.

There have been a number of computer virus infections that have sporadically afflicted the Health Sciences Center (HSC) systems lately. The large majority of these viruses have been related to Microsoft Word macro viruses.

Microsoft Word macro viruses are not as harmful as other types of viruses. They generally do not destroy data on your hard drive, but they can cause embarrassing messages to display, render a document unusable (once the virus scanning software runs and marks them as infected) and potentially infect any person's computer who receives the document as an attachment to e-mail. There is always the possibility that the next Microsoft Word macro virus that infects our systems is extremely destructive.

The primary means for spreading viruses on our networked computers are:

- Saving an infected file to the network hard drive, which is accessed by other system users who share or use the document. This will cause the Microsoft Word macro viruses to reappear in certain directories even after the network server is cleaned.
- Sending infected files (documents) as attachments to e-mail which are then used by the receiving party.
- Sharing floppy disks that are infected between HSC computer users. The beauty of a network of computers is that sharing floppies is not supposed to be necessary. We do not believe that this is a major transmission mechanism in HSC for spreading viruses.

What You Should Do

1. Don't get infected in the first place! How?
 - Run virus scanning (prevention) software on your PC
 - Never open suspicious attachments to e-mail. This is especially true if you receive unsolicited e-mail that have attachments that are executable (meaning their file name ends in .exe or .com or .bat). *Do not open these e-mail attachments and do delete the message.*
 - Don't put floppy disks in your machine if you don't know the history of where they have been before.
 - Do not download software from the Internet or bulletin boards and load them to your computer *unless you absolutely trust the party sending you the software.* Ask appropriate ITS personnel to assist in loading software to your machine.

2. Report all suspicious computer behavior to the Help Desk; indicate you are concerned that it might be a virus.

3. Use common sense. It is better to be *safe* than *sorry*. Just like any infection, risky behavior is what puts you in harm's way.

While ITS is pursuing greater deployment of virus prevention software and techniques throughout HSC, you, the system end user, will continue to be the first line of defense against computer virus infection. Implementing the advice given here will eliminate the start of new infections.

If you have any questions or concerns regarding computer viruses, please contact the Information Security Administrator, Bill Saracini, via e-mail, by voice, 884-2591 or page, 441-4103.

Health Sciences Library InfoFair

Bringing the cutting edge in technology to you.

The J. Otto Lottes Health Sciences Library (HSL) and Integrated Technology Services (ITS) are sponsoring an Electronic Information Fair, "InfoFair 99," on Friday, February 12, from 11:00 a.m. to 1:00 p.m. Faculty, staff and students are invited to see these information-access demonstrations. The demonstrations will include these areas:

- Educational Applications
- Research Applications
- Electronic Library products and
- Rural Health Information Access
- Consumer Health Information Applications

The InfoFair will kick-off at 11:00 a.m. in Acuff Auditorium with a special presentation, "The Virtual Heart," by Dr. Zuhdi Lababidi, pediatric

cardiologist. The Virtual Heart, a 3-D animation, is the virtual reality module that teaches students about the functions of the heart.

In the HSL Gallery, members of the Community Health Information Committee (CHIC) will showcase access to PedsWeb, WellWeb, the Missouri Kidney Program and the Columbia Online Information Network (COIN). The Alcohol, Tobacco and Other Drug Information (ATOD-TV) kiosk will also be demonstrated. Floors one and two of the HSL will offer 24+ workstations.

There's no better way in Mid-Missouri to get a quick view of computer applications to healthcare. We'll be looking for you!

For more information please visit: <http://www.hsc.missouri.edu/library>.

Designing User-Friendly Webpages

Have you ever been to a website where it is impossible to find what you were searching for? Close your eyes and imagine not being able to see and having a friend read to you what was on the webpage. With this in mind, you will want to design the layout and navigation that is easy and useful for users. Here are some navigation tips:

- Be consistent between pages
- Use a clear and consistent navigation structure
- Offer navigation bars for easy access
- Offer a site map
- Place distinguishing information at the beginning of heading, paragraphs, lists and so on.

Along with the navigation tips there are some general tips to follow while developing your site.

- When creating a link, be descriptive; don't just use the words "click me."
- Use "alt" or "description" tags to give the reader an idea about an image.
- When creating tables use table headers to define each column.
- If you are using a form with text windows, drop-downs, radio button, etc. be sure to use tab indexes for easy navigation through the form using the keyboard.

These are just a few of the basic ideas and tips that will make your webpages more accessible.

Chris Tatabochia, Web Programmer,
Spencer S. Eccles Health Sciences Library
Newsletter

Computers in the Curriculum

John C. Reid, Ph.D., Professor, ITS, Education and Psychiatry/Neurology

The software committee chaired by Dr. James Campbell has had several faculty and students evaluate anatomy programs. The most promising prospect is a program developed from the National Library of Medicine's Visible Human project. The committee also considered a Pharmacology program called CliniSearch, but did not purchase it, following the recommendations of the evaluator. An excellent pharmacology program is Clinical Pharmacology, available on the web or at the Health Sciences Library and to other computers that can see that network and have a client installed. The committee also purchased Evidence Based Medicine (EBM) with the assistance of the Medical Software Fund (MSF). The MSF is a donation opportunity for people who want to make software available for teaching and research. For more information on MSF please call Monica Huff at 882-8010. For

EBM reviews, see <http://www.hsc.missouri.edu/library>.

Next, click on Ovid databases, and scroll down to EBM. A license that extends the number of users of STAT! Ref during exam week has been purchased.

Second-year students are using a CD-ROM demo version of the United States Medical Licensure Exam (USMLE) test, which will be administered by computer. The Digital Media Center has investigated other programs that administer tests.

M-2 students as part of their curriculum view pathology images on the web. The 100 images available during block 7 cover the areas of endocrine, renal, prostate/bladder, GI, liver and pancreas.

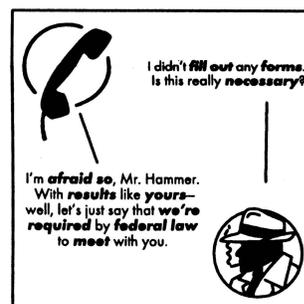
The Virtual Health Care Team™, sponsored by the School of Health Related Professions (SHRP) and the School of Medicine, and rated by University of California at San Diego as one the ten best sites, recently added two cases.

"Does he have Alzheimer's disease?" by Chris Neal, M-2, under the direction of Michael Meyer, MD, and "Rheumatoid arthritis and aerobic exercise," written by Carmen Christopher, a graduate student, directed by Marian Minor, Ph.D. See <http://www.hsc.missouri.edu/~shrp/vhctwww>.

Mary Sebacher and Glen Stancil, SHRP faculty members, have created web-based courses. See <http://www.missouri.edu/~webct/guestaccess.html>.

The School of Nursing has inaugurated several distance learning web-based courses, including: 310 Self-Care Deficit Theory (Donna Scheideberg), 340 Clinical Pharmacology and 341 Foundations of Health Assessment and Promotion (Lila Pennington), and 454 Nursing Interventions in Psychosocial Crisis (Deborah Fingfeld). See <http://mucourses.missouri.edu/scripts/list.asp?by=dept&c=NURSE>.

Jack Hammer, Network Detective by Alan Arnold



InfoSphere 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.

InfoSphere is published monthly to facilitate the transition to an electronic information environment and to promote computer literacy. It is supported, in part, by a grant from the National Library of Medicine (Grant #G08 LM 05415-03). Published by Integrated Technology Services, MC406 McHaney Hall, University of Missouri-Columbia, Columbia, Missouri 65212, (573) 884-7717. For ADA accommodations, contact the ITS office. InfoSphere is available on the World Wide Web at <http://www.hsc.missouri.edu/infosphere>.

Copyright © 1999 Integrated Technology Services and J. Otto Lottes Health Sciences Library. All rights reserved.

From the J. Otto Lottes Health Sciences Library

Announcing SciFinder Scholar

If you have ever struggled to find chemical structures or protein sequences, take heart. SciFinder Scholar contains information from the CAS databases produced by the Chemical Abstracts Service. This database contains nearly 14 million citations from over 9,000 journals. It covers the full spectrum of chemistry-related information, access to patent information, and the CAS Registry of over 17 million chemical substances.

Note that SciFinder is only available during the following hours:
Sunday: 8:00 a.m.–Monday 5:00 a.m.
Monday–Thursday: 5:00 p.m.–5:00 a.m.
Friday: 5:00 p.m.–Saturday 5:00 p.m.

SciFinder Scholar is comprised of the following information: CA Plus, Registry, CAS React and Bio Seq (Biosequences.) CA Plus contains 80 sections of Chemical Abstracts plus more current information. Indexing references from 1967 to the present, it also provides cover to cover information for some documents as well as works in progress. Registry indexes chemical substances from 1957 to the present. CAS React covers reactions from 1985 to present. Bio Seq indexes protein and nucleic acid sequences.

Generally easy to navigate, SciFinder Scholar can be “explored” one of four ways. You can search by “author,” including searching by similarly spelled names, or by a “specific reference” such as a CA Abstract number or a patent number. “Research topic” is a third way to search for literature. This is set up as a natural language search, meaning that you simply type out a

specific question as if you were asking a colleague. A fourth way to search is by “chemical structure or reaction” which gives the option of searching by “chemical structure,” “substance identifier” such as names or identification numbers or “molecular formula.”

Choosing “chemical structure,” incidentally the most fun way to search, allows you to draw a diagram of the structure or reaction by using a template similar to paint software programs. From the left hand tool bar choose benzene ring or cyclopentane, choose atoms and positive or negative charges. Some of the many other options include drawing 3-15 sided rings and ring systems, attaching atoms, and marking bonds that are to be formed or broken in a reaction.

You may obtain/install this software on any computer on the campus network or any computer which dials into campus using the MU Internet Access Suite. For the do-it-yourselfer, go to the following web page for downloading information <http://merlin.missouri.edu/merlin/pages/scholar.htm>. For those wanting human help or more information, call 882-6141.



Ask an Information Question Request an Interlibrary Loan
Request an Expert Search Search MERLIN and Ovid Databases
Register for an Ovid workshop Register for HSLNET

All of these services are available from our website:

<http://www.hsc.missouri.edu/library>.

MedLine/CINAHL/ PsycINFO/Internet Workshop Schedule

February

| | | |
|--------------------|--------------|------------------|
| MEDLINE | Wednesday 3 | 3:30–5:00 p.m. |
| CINAHL | Wednesday 10 | 10:00–11:30 a.m. |
| PsycINFO | Tuesday 16 | 10:00–11:30 a.m. |
| Internet Searching | Wednesday 24 | 3:30–5:00 p.m. |

March

| | | |
|--------------------|--------------|-----------------|
| MEDLINE | Tuesday 9 | 3:30–5:00 p.m. |
| CINAHL | Wednesday 17 | 3:30–5:00 p.m. |
| Internet Searching | Wednesday 24 | 12:00–1:30 p.m. |
| PsycINFO | Tuesday 30 | 3:30–5:00 p.m. |

April

| | | |
|--------------------|-------------|------------------|
| MEDLINE | Thursday 8 | 12:00–1:30 p.m. |
| CINAHL | Tuesday 13 | 3:30–5:00 p.m. |
| Internet Searching | Thursday 22 | 10:00–11:30 a.m. |
| PsycINFO | Monday 26 | 3:30–5:00 p.m. |

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.

Y2K Progress Report

The Y2K (Year 2000) project has currently entered the First Quarter 1999, phase four of the six-phase project. Phase four—the replacement or redemption of products and testing—is 50 percent complete. Phase 5 will begin during the Second Quarter 1999. This phase will implement replaced or upgraded products in the production environment. Post implementation assessment and disaster preparedness will begin in Phase 6, Third Quarter 1999.

One of the Y2K major goals is that any system containing date information should correctly function regardless of whether the data contains dates before, on, or after January 1, 2000. “In addition,” says Mowaffak Mohammed, Computer Project Manager, “we have also initiated contacts with our business partners to be sure that there will be no interruptions in our patient care services, or any other aspect of the enterprise.”

As the project proceeds to identify Y2K related issues, it has encountered a new set of challenges prior to the year 2000. The beginnings of these problems were discovered during the date change from December 31, 1998 to January 1, 1999. These problems are universal in Y2K; major computer publications refer to these as a Y2K-1, (Y2K minus one) related problems. So far, five Y2K-1 incidents have been reported; all symptoms of these have been repaired or adjusted.



Update on Computer Installations

At Ellis Fischel Cancer Center (EFCC), Integrated Technology Services (ITS) User Services recently completed the placement of all the PCCO computers and printers that will be necessary for the Orders Management module to go-live. To insure success for this transition, the Orders workgroup will provide on-site support. Issues will be dispatched to them from the HelpDesk if users call. The command center (local help desk) will once again be available. At the University of Missouri Hospital and Clinics (UMHC) the PCCO computers continue to be installed at the main hospital. Installation at nursing stations, floors three through seven are complete. The operating suites and clinic spaces are in progress. The expected date for completion of the main hospital and the University Physicians Medical Building is the end of January. Next in line are the Green Meadows, Fairview, CrossRoads and other clinics.

This implementation process is not simple. It

involves research, knowledge and timing. Kevin Bailey, Manager, User Services explains the process and thanks those folks for all their hard work and success thus far. "Mike Harris, Computer Project Manager for the PCCO equipment roll-out has been very busy over the past few months meeting with departmental managers and supervisors to determine exact needs. We wish to thank everyone for their understanding as we enter into their areas to do surveys, talk to decision makers, negotiate roll-out schedules and computer equipment."

Bailey also reports that in many cases older computers running older operating systems (Windows 3.1) have been replaced with new computers running Windows 95. These computers will all have a different "look and feel," log into the network differently and will be updated with new versions of software quite differently than before. "It is important and would be appreciated," states Bailey, "if we could hear your feedback on

what we have done well; and what we can improve upon as we continue our efforts to roll out these computers."

PowerChart Training Begins

In January, PowerChart training began in various locations at University Hospital and Clinics. PowerChart is the Cerner computer system that provides timely and user-friendly access to clinical results. In PowerChart, multiple users can view clinical information at the same time.

take several months. As each department is scheduled to go live with PowerChart, a representative of Education and Consulting will contact the manager to discuss PowerChart training. Initially, PowerChart training will be given to current users of the PCS (current) system, including Unit Clerks, Clinical Supervisors, House Managers, and select staff from all shifts.

In addition, the PowerChart Computer Based Training (CBT) program will be

Caring 2000

Patient Centered Care Online

Presently, patient demographic information and radiology results are available in PowerChart. Work is underway to include laboratory results and transcribed documents in PowerChart in the near future.

Completion of training with PowerChart to all Hospital and Clinics staff is expected to

installed in work areas. Staff members who want to pursue the training on their own can do so. A training guide will be provided to all departments/units.

If you have any questions, please contact Linda Lightfoot at 882-5842.

