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# Information Technology Newsletter

## Year 2000: Where to Report “Critical” Problems

Ken Hanna, Year 2000 Coordinator, Office of Information Technology  
<http://www.umn.edu/oit/year2000>



Despite our preparations, when the new year rolls over there may be problems, and we need to be prepared. There are “critical” problems and “not so critical” problems. This article will deal with the important/critical ones, and another article in this issue will deal with the “not so critical” ones. Some problems may surface during the New Year’s rollover and some may surface when staff come back to work after the holidays.

For life-threatening or health and safety types of problems, dial 911 as you normally would. This article addresses non-health/safety problem reporting.

### Identifying Critical Problems

It may seem difficult to separate that which is “critical” from the “non-critical.” One way is to use the list of critical systems identified by collegiate units in making Y2K preparations as your guide. Another way may be to think of the potential effects. Some indications of “critical” might be:

- *if a large number of people are affected*
- *if there is legal liability involved*
- *if a substantial monetary loss is involved*
- *if key University services are affected*

Looking for Y2K help?  
Call 1-2000.



The hotline will be available around the clock on New Year's weekend (December 31 to January 2) and during regular business hours after that in early January.

## Y2K Hotline: 1-2000

If you've identified something critical that might be negatively affected by Y2K, it is important to have that information quickly available to several areas within the University. For this and other reasons, a year 2000 hotline has been set up with an easy to remember telephone number: 1-2000.

The long version is 612-301-2000, which is in the University's new 301 prefix. The hotline will be available around the clock on New Year's weekend (December 31 to January 2) and during regular business hours after that in early January.

One way this information will be used is to assign technical staff to follow up to learn what was done to correct the problem (to help others) or to assist to the extent possible in providing a solution. Another use

will be to answer inquiries from the News Media on number and types of problems at the University.

To prevent potential confusion, it should be noted that the hotline will be used for three purposes:

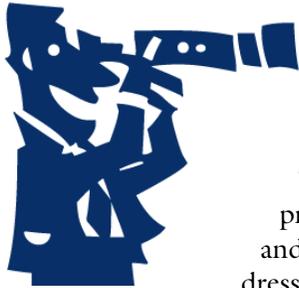
1. a means of **reporting critical problems** as discussed above
2. information on **general year 2000 questions**
3. assist in **identifying departmental support staff if not known**

See the related article on "non-critical" problems in this issue. Note that technical support questions for desktop computer issues should be directed to the respective departmental support staff. ■

<http://www.umn.edu/oit/year2000>



# Year 2000: Contacts for “Not so Critical” Problems



The millennium is just around the corner and the University has been preparing.

The Y2K mission-critical projects have been identified and solutions have been addressed.

But what about the “not so critical but important to me” issues that arise on January 3, 2000 when University employees come back to work after the holidays? Who should faculty and staff contact if there are some “not so major” Y2K problems?

- If a product from a vendor is involved, such as hardware or software, check the vendor’s web page for the information and recommendations for the specific product and version number you have.

The University of Minnesota Y2K website has a list of the most popular vendors with direct links to their Y2K website information:  
<http://www.umn.edu/oit/year2000>

- To report a potential Y2K problem, the first step is to contact your departmental technical contact. Remember, technical staff may be extremely busy during this timeframe, so please be patient.
- If you don’t have a departmental technical contact or have other non-technical questions, call the Y2K hotline at 612-301-2000 (the short version on campus is 1-2000) or send your questions via e-mail to [y2k@cafe.tc.umn.edu](mailto:y2k@cafe.tc.umn.edu)

## December 31 to January 14

The hotline will be available

- December 31, 1999 to January 2, 2000  
— 24 hours a day
- January 3, 2000 to January 14, 2000  
— 8:00 a.m. to 4:30 p.m.

Technical staff will have some additional resources behind the scenes to assist them:

- Technical staff are encouraged to contact the Academic and Distributed Computing Services (ADCS) HelpLine; staff there can assist them in researching questions and problems. Answers will be entered into a database available to technical staff University-wide.
- The University Y2K project staff will monitor the Y2K University issues, answer non-technical questions and research common questions. This information will be e-mailed to the department technical folks.

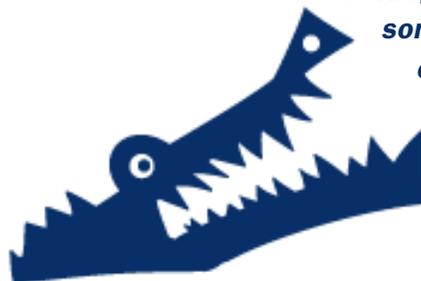
Remember, we are all in this together; please be patient.

■ Renee Wright, Academic and Distributed Computing Services

## Do you use TN3270?

*Perhaps to access  
some library websites  
or departmental data?*

*If yes, read the  
HostExplorer article  
elsewhere in this  
issue.*



# PeopleSoft Security Improvements

## November Roll Out



For nearly a year, Data Security has been planning the implementation of new security technology for the PeopleSoft System — technology that will help the University protect its data and meet key management, security industry and audit standards.

Data Security is glad to be at this point. Now that the PeopleSoft 7.5 application upgrade is complete, they have support in going forward with these important security improvements.

### SQL<>SECURE

SQL<>SECURE, the software to be implemented, was developed by BrainTree Security Software, Inc., a Massachusetts company that jointly certifies its own products with PeopleSoft Security. Since January 1999, Kathie McMullen-Serrault (Data Security Manager) and Michele Berner (Data Security's Technical Security Administrator) have been working closely with BrainTree product and technical staff to ensure that the software will meet the needs of the University of Minnesota.

### The Change

Beginning in early November 1999, a series of small implementations will bring the PeopleSoft Development, Test and Production environments under one security administration umbrella for user authentication and for certain types of user security administration.

Developers, Production and Technical Support staff will be affected first. By mid-November, all PeopleSoft users will authenticate to PeopleSoft via SQL<>SECURE, working in concert with PeopleSoft.

Data Security anticipates a gentle change since users are already familiar with PeopleSoft login requirements and with navigating through the PeopleSoft screens. On implementation day, users will begin their logon as usual, but additional screens will guide users towards the use of strong passwords.

### Password Aging

Password aging and other controls standard to the security industry will be in place for PeopleSoft for the first time. End-users will be asked to change their passwords within two weeks and every 90 days thereafter. Users who do not change their passwords during the first two weeks will be "pre-expired" on November 29th to ensure that everyone is using the new system by month-end.

Since changing passwords requires only a few mouse clicks and a few rules, Data Security expects most users to quickly adjust to these necessary changes.

### What Will Users Need to Know?

Although users already know most of what they will need to know, Data Security will make sure that every user receives updated information regarding PeopleSoft password requirements, the final implementation schedule, and how the change is likely to affect them

Data Security is planning various ways of getting the word out, including email notifications, developing a handy job aid with password rules, posting detailed procedures on the Data Security website and working closely with others who support PeopleSoft users — the Functional Security Administrators, Training, the Communications Team and Enterprise Help/CAC (Customer Assistance Center).

### Improved Security Administration

One of the benefits of the new security system for PeopleSoft is its strength as a security administration tool. BrainTree's SQL<>SECURE product will bring



efficiency to ID and password administration, improved Security Administrator information and a new password reset tool for Enterprise Help/CAC.

“For the first time since PeopleSoft was implemented, we will be able to help customers with password resets,” commented Joann Conradson, manager of Enterprise Help/CAC. “In most cases we will be able to help customers on the spot, rather than referring them elsewhere.”

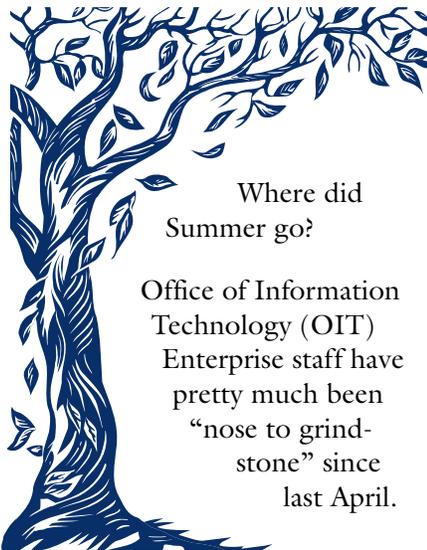
Users needing PeopleSoft password change support may contact Enterprise Help/CAC as usual. Just dial 1-HELP (621-301-4357) and press “2.”

As paraphrased from the BrainTree proposal approved by the Office of Information Technology and PeopleSoft Project management earlier this year, “Security administration for an Enterprise System of the importance of PeopleSoft needs to include strong user authentication, preventative controls...and the automation of certain types of communication among security administrators and users.”

Beginning with these November implementations, the University will have taken an important first step.

■ Kathie McMullen-Serrault, Data Security Manager, <http://www.umn.edu/ccs/security/security.html>

## Accomplishments for OIT Enterprise Staff During September and October



Where did  
Summer go?

Office of Information  
Technology (OIT)  
Enterprise staff have  
pretty much been  
“nose to grind-  
stone” since  
last April.

Registration occupied the Spring of 1999. The upgrade to PeopleSoft 7.5 took enormous effort over the Summer. Financial aid and student records conversion occupied the early Fall. Since then the Technical Infrastructure Team have been busy supporting these activities and improving performance.

### Three Big October Implementations

□ On October 11, the Human Resources Management System (HRMS) implemented the capability to update personal demographic information on line. Faculty and staff seemed to find the new functionality useful — 1,277 staff changed their addresses and phone numbers on October 14.

□ October 11 saw the implementation of a number of fixes for bugs and broken processes, primarily for PeopleSoft and Web Registration processes. Spring semester registration, which begins November 8 at UMD (University of Minnesota Duluth) will proceed much more smoothly the second time around.

□ On October 22 functionality crucial to financial aid, student financials and payroll was successfully implemented. Functional and technical staff have had to struggle with these PeopleSoft modules; needed functionality arrived late and with lots of bugs. While all implementations are stressful, this one has been particularly so.

### And Beyond

The last Student 2000 Project implementation will occur in December (student financials functionality).

■ Questions or concerns? Send email to us: Roberta Armstrong, Applications and Development at [r-arms@umn.edu](mailto:r-arms@umn.edu) or Jude Poseley at [jposeley@umn.edu](mailto:jposeley@umn.edu)

***On Oct. 22 functionality crucial to financial aid, student financials and payroll was implemented.***

# Faculty Members Get Low-Cost Website Production Help



Many faculty members, busy with research and teaching, may have little or no time to produce websites for their courses. Some may be lucky enough to have teaching assistants (TAs) with website production skills. Those who don't may be able to hire already trained students at a quarter-to-half the rate typically charged by outside consultants if a new pilot program, the Student Web Core service, is successful.

## Student Web Core Service Piloted

The program is part of the 1998-2000 TEL Initiative sponsored by the Office of the Executive Vice President and Provost <<http://www.umn.edu/dmc/initiatives>>. Academic and Distributed Computing Services (ADCS) and the Digital Media Center (DMC) have hired seven students to help Twin Cities campus faculty members produce course websites during fall semester 1999. ADCS and DMC staff will train the students, then assign a full-time instructional multimedia consultant and one of the students to work with each faculty member. The consultant will set up an initial meeting with the faculty member and his or her assigned student to outline the work the student will do. The student will then help the faculty member develop and produce the site and teach him or her to maintain it.

The student can work in an ADCS computer facility or any other campus computer facility to which the faculty member has access. The consultant will also provide information and advice as needed for the duration of the project.

## Low Fees

ADCS will charge each faculty member \$25 an hour for the student work, but the initial consultation meeting is free.

## Demand Exceeds Slots

ADCS and DMC staff hired the students at the beginning of the semester. They then sent an email announcement inviting faculty members to participate and 18 signed up within a week. Those with the

shortest project deadlines who called first were chosen to participate this semester.

## Students Taught Design and Technical Skills

The students hired to work with the participating faculty members have varying backgrounds in writing, design and programming. They will attend formal courses on how to use WebCT, a web-based course management tool. They will also participate in the 21-hour TA Web Certification program that teaches teaching assistants how to plan, design, create and evaluate course websites.

- WebCT: <http://webct.umn.edu>
- TA Web Certification program: <http://www.umn.edu/dmc/create/ta-cert>

Specifically, the students will learn to perform the following tasks:

- digitize and edit images and video
- create web documents using Dreamweaver and HTML (HyperText Markup Language)
- create a course website using WebCT that includes a syllabus, on-line communication tools, quizzes and content modules
- help faculty members learn how to maintain a WebCT course website

## Program May Continue

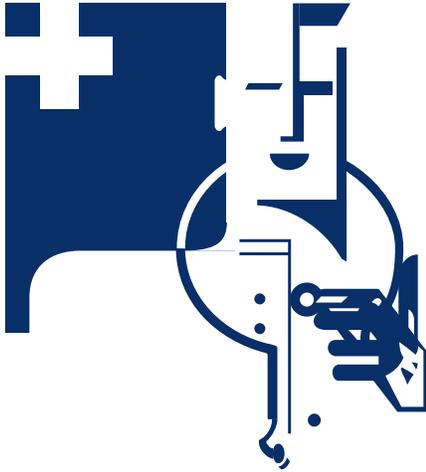
If the pilot program is successful, ADCS and DMC staff may offer it as a regular service beginning next semester. If so, they will put the names of the faculty members who were not chosen to participate this term at the top of a waiting list and contact them next term.

Other faculty members who are interested in participating in the future should call Shih-Pau Yen, ADCS (612-624-8865), Michael Dunham, ADCS (612-625-7397) or Linda Jorn, DMC (612-626-7320) for more information. Program updates will be published on the Participate in Initiatives section of the DMC website: <http://www.umn.edu/dmc/initiatives>

■ Christina Goodland, Digital Media Center



# Sophos Anti-Virus Software



## Site License for the U

Academic and Distributed Computing Services (ADCS) has purchased a site license for the Sophos Anti-Virus software package.

Under the terms of the license agreement we can distribute

this software to all departments as well as any student, faculty and staff member at no additional charge.

University of Minnesota employees and students at the coordinate campuses and outstate offices are eligible. (Persons not currently registered for classes or employed by the University of Minnesota cannot partake in this program.) Sophos Anti-Virus is fully Year 2000 compliant.

## Integrated Protection

Sophos Anti-Virus provides cross-platform protection in a single, fully integrated product. The network-centric design provides benefits for the protection of servers, workstations and portables. Sophos Anti-Virus monitors all virus entry points, including disks, programs, documents, network drives, CD-ROMs, Internet downloads, email attachments and compressed files.

## Windows, Macs, NetWare and More

Sophos Anti-Virus is a multi-platform solution supporting virtually any combination of the following clients and servers:

Macintosh, MS-DOS, NetWare, NetWare Lite, Windows 95/98, Windows for Workgroups and Windows NT

AIX PowerPC, Banyan VINES, Digital Unix Alpha, FreeBSD Intel, Lan Manager, Lan Server, LANtastic, Linux Alpha, Linux Intel

OpenVMS, OS/2, SCO UnixWare Intel, SCO OpenServer Intel, Solaris SPARC, Solaris Intel

It has features for network managers, including the ability to enable the software to be installed, configured and updated from a single point. Sophos Anti-Virus also features centralized reporting of virus incidents. More information is available on their website: <http://www.sophos.com>

## Updated Monthly

Sophos is updated monthly; each month it incorporates the detection and disinfection of about 300 new viruses. (Updates are shipped on the first Monday of the month and ADCS makes these updates available as quickly as possible after receiving them.)

### **CSAV: Command AntiVirus Reminder**

*Sophos does not replace the site license we have with Command Software, Inc. for their Command Software AntiVirus (CSAV). That product is available for the DOS and Windows platforms as well as Windows NT Server and Novell NetWare Server platforms.*

## For More Information

We're working on a way to make Sophos Anti-Virus information and software available from the Virus and Security section of our website, which already has links for Command Software AntiVirus (CSAV): <http://www.umn.edu/adcs/help/virus>

Check our website for software updates and for links to virus and security information on the Internet. If you need additional license information, please contact Phil Kachelmyer at [phk@umn.edu](mailto:phk@umn.edu)

■ Michael Snyder, Academic and Distributed Computing Services and Networking and Desktop Integration Services (ADCS-NDIS), Manager

<http://www.umn.edu/adcs/help/virus>

# MS TechNet for IT Professionals



Microsoft TechNet is an information resource designed for administrators of Novell networks and information technology (IT) professionals, and Academic and Distributed Computing Services (ADCS) has a site license for it. In addition to the CD

subscription the TechNet program includes technical briefings, special offers and an electronic newsletter.

Microsoft designed TechNet to meet the technical information needs of anyone who plans, evaluates, deploys, maintains or supports Microsoft business products. The program covers Microsoft strategies and industry trends; it can even serve as a forum to share information, ideas, and opinions with Microsoft and other IT professionals. Information about TechNet is also available on Microsoft's website:

<http://www.microsoft.com/TechNet>

## TechNet CD Subscription

The Microsoft TechNet CD subscription has more than 200,000 pages of content; and every month it delivers up-to-date technical information, including the complete Microsoft Knowledge Base and the latest Resource Kits, Service Packs, drivers and patches, deployment guides, white papers, evaluation guides and more. There's so much information each month's offerings must be delivered on numerous CDs.

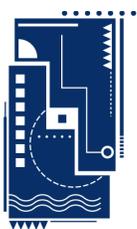
This article provides a brief roadmap to the information contained on all the TechNet CDs. Below is a list of the files shipped with the September 1999 edition (Volume 7, Issue 9). We will update this article frequently so you can see the files contained on subsequent CDs. Some of the subjects that are covered include:

- Technical Information
- Supplemental Drivers and Patches
- Microsoft Knowledge Base
- Software Library Archive
- Client Utilities
- Server Utilities
- Windows NT 4.0 Resource Kit
- BackOffice 4.5 Resource Kit
- BackOffice Resource Kit
- Second Edition Utilities
- Internet Information Server 4.0 Resource Kit Utilities
- Service Packs CD 1
- Service Packs CD 2
- Exchange Server 5.0 Service Pack 2
- Exchange Server 5.5
- Service Pack 2
- Windows NT 4.0 Service Pack 4
- Windows NT 4.0 Option Pack
- Seminar Online CD 1
- Seminar Online CD 2
- Seminar Online CD 3
- Year 2000 and Other Resources
- Windows NT 4.0 Service Pack 4 128-bit Version
- 128-bit Encryption

For more information on how to access these CDs, please contact Phil Kachelmyer at: [phk@tc.umn.edu](mailto:phk@tc.umn.edu)

■ Michael Snyder, Academic and Distributed Computing Services and Networking and Desktop Integration Services (ADCS-NDIS), Manager

# HostExplorer — Formerly TCP3270



HostExplorer provides a link to business information from the enterprise desktop for TN3270E, TN5250E and Telnet applications.

At the University of Minnesota its most common use is to access the mainframe systems managed by Central Computing Operations (CCO).

## Y2K Update for TN3270

If you're using software to emulate a TN3270 terminal you should get this update because of Y2K compliance issues.

## Site License

ADCS has a site-wide license covering the University of Minnesota for this Hummingbird Communications product.

## Mac and Windows

We have both the Windows and Macintosh versions of the software. The software requires more than 100MB of disk space. For more information on how to access the CDs for HostExplorer, please contact Phil Kachelmyer at: [phk@tc.umn.edu](mailto:phk@tc.umn.edu)

■ Michael Snyder, Academic and Distributed Computing Services-Networking and Desktop Integration Services (ADCS-NDIS), Manager



# Important News and Notes from the Libraries

Nancy Herther, University Libraries, <http://www.lib.umn.edu>

## Databases, Catalogs, E-Journals and More

In the past few months a variety of important new features, products and services have become available through the Libraries. Try it!

## AccessUN Covers the Globe

AccessUN is a new online database available to all current faculty, staff and students of the University through the Libraries' web page.

**AccessUN** provides access to current and retrospective UN (United Nations) documents and publications. The index benefits researchers who need information on international problems of an economic, social, cultural or humanitarian nature. Peace and security, world hunger, human rights, economic development, the environment and atomic energy are among the issues addressed by the UN.

Materials indexed are available in paper and microfiche in the Government Publications Library, Wilson Library; many are also available in the Law Library. Complete bibliographic citations of UN documents and publications are given. The database includes full-text of selected UN documents, including resolutions from the General Assembly (1981-onward), the Security Council (1974-onward), and the Economic and Social Council (1982-onward). Also, selected Provisional Verbatim and Summary Records docu-

ments, which contain voting records of General Assembly and Security Council resolutions, are being added to the database in reverse chronological order (1990-onward).

Documents from the six main bodies of the United Nations — General Assembly, Security Council, Economic and Social Council, Trusteeship Council, Secretariat and International Court of Justice — are indexed. Masthead documents (formerly referred to as mimeographed documents), Official Records, sales publications, limited and restricted documents, and documents emanating from sessional and standing committees, functional commissions, conferences and regional bodies are the basis of the Index. Articles appearing in UN periodicals are individually indexed. Bilateral and multilateral treaties in the UN Treaty Series are fully indexed.

The database covers 1961 to the present and eventually will be expanded back to 1946. The database is produced by NewsBank/Readex. To access the database, click on the **Indexes** option and then select **AccessUN**.

## German and British Catalogs

Using the **Eureka** web interface, current University faculty, staff and students now have access to two new important online catalogs.

- The Consortium of University Research Libraries (CURL) Union Catalogue
- The Deutsche Bibliothek Database

The CURL Union Catalogue comprises over 13 million catalog records representing holdings of research and legal deposit libraries in the United Kingdom and Ireland. The Deutsche Bibliothek Database holds 6.5 million records representing printed and electronic publications issued in Germany, published abroad in German, translated from German-language publications or about Germany. More information on both resources may be found on the RLG Information Center's home page under **Databases**.

- See RLG at: <http://www.rlg.org/ric/ric.html>
- Or go directly to the CURL database descriptions at: <http://www.rlg.org/curlucacat.html>
- Or go directly to the Deutsche Bibliothek at: <http://www.rlg.org/deutschedb.html>

## New Full-Text E-Journals

Using the Libraries' web **MNCAT** catalog of holdings, current students, staff and faculty now have online access from office or home to the following important journals:

- *Anthropology Today* (from the Royal Anthropological Institute of Great Britain and Ireland) Vols. 1-9, 1985-1993
- *Biometrika* (from Biometrika trust) Vols. 1-80, 1901-1993
- *Callaloo* (from Johns Hopkins University Press) Vols. 1-17, 1976-1994
- *Current Anthropology* (from University of Chicago press on behalf of Wenner-Gren Foundation for Anthropological Research) Vols. 1-34, 1959-1993

- *Eighteenth-Century Studies* (from Johns Hopkins University Press and the American Society for Eighteenth-Century Studies) Vols. 1-28 (Issue 2), 1967-1995
- *Harvard Journal of Asiatic Studies* (from Harvard-Yenching Institute) Vols. 1-53, 1936-1993
- *Journal of Black Studies* (from Sage Publications) Vols. 1-26 (Issue 2), 1970-1995
- *Journal of Business* (from University of Chicago Press) Vols. 1-66, 1922-1993
- *Pacific Affairs* (from Pacific Affairs, University of British Columbia) Vols. 1-66, 1928-1993
- *Proceedings of the Royal Anthropological Institute of Great Britain and Ireland 1965-1973*. Published from 1965 until 1973.
- *Public Opinion Quarterly* (from University of Chicago Press) Vols. 1-57, 1937-1993
- *Social Psychology* (from American Sociological Association) Vols. 1-56, 1937-1993

The University Libraries currently subscribes to well over 3000 e-journals for your use. Check them out!

## New Medical Databases

The Bio-Medical Library now has a new health sciences resource, BioMedSearch **MICROMEDEX**, available for use by all current staff, students and faculty here at the University. It is at: <http://www.biomed.lib.umn.edu/micromedex>

Micromedex is a collection of drug information databases. Funding support has been provided by the Academic Health Center in response to a request from the College of Pharmacy and the Bio-Medical Library. The Library is providing the necessary staff support and server space. Some of the Micromedex databases include:

- DRUGDEX**: Designed to deliver unbiased drug information for those who prescribe, order, dispense or administer medications, the DRUGDEX system provides independently reviewed data gathered from major drug centers and pharmacology services worldwide. FDA-approved and investigational drugs, along with over-the-counter and non-U.S. preparations, are covered with regard to dosage, pharmacokinetics, cautions, interactions, clinical applications and comparative drug efficacy. Information is prepared by the MICROMEDEX editorial board and can be retrieved by generic name, manufacturer brand name or indications. Its modules include: Drug Evaluations, Drug



Consults and Product Index. As new drug evaluations are written, they are published on the MICROMEDEX website:  
<http://www.micromedex.com>

□ **POISINDEX:** The POISINDEX system identifies ingredients for hundreds of thousands of commercial, pharmaceutical and biological substances. Each substance is linked to one or more management documents providing information on clinical effects, range of toxicity and treatment protocols for exposures involving the substances. The system contains modules on product/substance identification and toxicological managements.

□ **Martindale, the Extra Pharmacopoeia:** This electronic version of the highly respected MARTINDALE textbook published by the Royal Pharmaceutical Society of Great Britain offers extensive information on international drug products. System enhancements allow quick and easy searching for data on therapeutic uses, adverse effects, chemical forms and manufacturer trade names. The MARTINDALE database contains the following information on drugs and substances used world-wide: therapeutic uses, adverse effects, and proprietary names. You can search by brand or generic name.

□ **REPRORISK System Reproductive Risk Information:** The REPRORISK system is a unique collection of reproductive risk information databases. It provides information covering full-range health effects that is helpful when assessing reproductive risks of drugs, chemicals and physical and environmental agents. Risks to females, males and unborn children are discussed.

□ **Physicians Desk Reference:** The electronic Physician's Desk Reference (PDR) provides fast, easy access to information found in the popular Physicians' Desk Reference: the PDR for Prescription Drugs and the PDR for Ophthalmology. This integrated system includes current FDA-approved prescription drugs, commonly used over-the-counter drugs, and specialized ophthalmic pharmaceuticals. Its global searching capability allows instant access to detailed data on ingredients, drug interactions, side effects, recommended dosages, clinical pharmacology, pediatric use, contraindications and available forms. Information on drug manufacturers is also included.

□ **BioMedSearch MICROMEDEX** provides for searching each of the individual resources or for cross-file searching from the Integrated Index search. These and other drug related components of BioMedSearch MICROMEDEX are available at: <<http://www.biomed.lib.umn.edu/micromedex>>. Please note: there are several databases that appear on the "search by database" screen which are not part of the University's subscription.

*As with all University Libraries licensed resources, authentication using your University of Minnesota Internet ID and password is required for remote access. – Janet Arth, Bio-Medical Library*

## Full-Text ERIC Digests on New FirstSearch

The full-text of approximately 2,000 ERIC Digest documents is now available at no additional charge on the new **OCCLC FirstSearch** service to all current University staff, students and faculty.

Full-text of the actual ERIC Digest documents is included in the full record display. The digest records can be searched in both phrase and keyword indexes by term or code. The ERIC Digests are short reports on topics of prime current interest in education and include references to items providing more detailed information. Targeted specifically for teachers, administrators, policymakers and other practitioners, they are useful as well to the broad educational community.

In addition, many more citations in the ERIC database on new FirstSearch now include links to full text from other FirstSearch databases and electronic journals.

The Thesaurus of ERIC Descriptors is also part of ERIC on new FirstSearch. It contains a complete list of descriptive terms used by ERIC to index and search the database, with a cross-reference structure and rotated and hierarchical displays.

## New Science Database from the DOE and GPO

The Department of Energy's (DOE) Office of Science and the Government Printing Office (GPO) have announced the development and public availability of

PubSCIENCE. GPO is sponsoring the public access of PubSCIENCE through its GPO Access website.

PubSCIENCE, developed by DOE's Office of Scientific and Technical Information (OSTI), focuses on the physical sciences and other energy-related disciplines. Approximately 1000 scientific and technical journals from over twenty participating publishers will initially be searchable from PubSCIENCE. It was modeled after the highly recognized PubMed, which covers medical sciences for the National Institutes of Health. Like PubMed, PubSCIENCE will continue to expand, with the vision of becoming a huge resource of published information.

PubSCIENCE's easy-to-use search system provides the scientific and educational community a long-needed resource to quickly identify and locate peer-reviewed journal articles without navigating through individual publisher websites or searching through multiple journal publications. The user can navigate across hundreds of bibliographic citations from multiple journal sources and identify information of interest.

Searches return abstracts and citations for relevant articles from over a dozen scientific journal publishers. These abstracts and citations contain hyperlinks to the publishers' servers, where users may retrieve full-text articles through a journal subscription, on a pay-per-view basis, by special arrangement with a publisher, or through a library or commercial provider. The user can then link directly to the publisher's doorstep to view the electronic full-text.

Access to the full-text will normally require a subscription, site license or pay-per-view arrangement. Fee-based arrangements to view the full-text at the publisher's site are the responsibility of the users.

Last year OSTI's DOE Information Bridge was made available through GPO Access. These new systems represent the latest in a series of web-based public services (developed by OSTI within the past 3 years) for public use. To see the public resources, check out OSTI's home page: <http://www.osti.gov/resource.html>

PubSCIENCE is made available to the public through a partnership between the Department of Energy and the U.S. Government Printing Office. The service is accessible:

- directly at: <http://www.osti.gov/pubsci>
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For assistance, contact the GPO Access User Support Team at 888-293-6498 (toll-free) or via e-mail: [gpoaccess@gpo.gov](mailto:gpoaccess@gpo.gov)

## New Guide to Finding Uncataloged Rand Documents

Finding Rand documents in the Libraries has been a challenge. Although all new Rand publications have been cataloged since 1992, a large uncataloged backlog remains. To make searching easier, the Libraries' Government Publications Library has created a guide to finding Rand publications in the Libraries. It is on the web at: <http://www.lib.umn.edu/gov/randdocs.html>



## Have You Seen the New QuickStudy?

If you haven't seen the new version of our *QuickStudy: Library Research Guide*, you will want to check it out. This latest version of QuickStudy is powered by a database and has new features including *Guided Exercises*, *Useful Links* and *Instructor's Pages*. Quizzes will be added soon. It's online at: <http://tutorial.lib.umn.edu>

We did a round of usability tests on this version of QuickStudy and are fortunate to have a Rhetoric Department class to help with more testing, which will guide further refinements over the year.

## We Want Your Feedback

We are eager to hear from library users as well. Once you've gotten a chance to work with the tutorial, please let us know what you think. Contact Kay Kane ([k-kane@tc.umn.edu](mailto:k-kane@tc.umn.edu), 6-8790) or Karen Beavers ([k-beav@tc.umn.edu](mailto:k-beav@tc.umn.edu), 5-0822) with your suggestions or comments.



## Special Free Workshops on Electronic Text Research

In the coming weeks the Libraries' Electronic Text Research Center (ETRC) — located in Room 179 Wilson Library — will again sponsor a series on aspects of working with primary sources in electronic form. The sessions are designed to promote further use of electronic texts in teaching and research and will provide information about a variety of files, projects and markup schemes.

This Fall the sessions will be held in Wilson's Electronic Training and Instruction Facility. We will offer two programs per month on Thursdays from 3-4 p.m. These programs will usually be held in room s30 Wilson; however, you will want to check their web page or call for more information. Come and hear about e-text resources available in the Libraries, and how they and similar resources can be applied to and created for different courses in the humanities and social sciences! Everyone is welcome. No registration necessary. For more information, call the ETRC at 612-624-6370.

- November 4 • Stephen Hearn • **CETEDOC**  
▼ Located at the Université Catholique de Louvain, the Centre de Traitement Electronique des Documents' CD-ROM of Christian Latin Texts is part of an ongoing project to produce a database of Patrological texts covering authors of the 2nd through 15th centuries. The CLCLT-3 CD-ROM contains the complete Latin texts of the Corpus Patrum Latinorum (including the Corpus Christianorum, Series Latina, and the Continuatio Mediaevalis), as well as the Vulgate, Pseudepigrapha of the Old Testament, the complete works of Augustine, Jerome and many others.
- November 18 • Bill Fietzer • **NUD\*IST/ATLAS**  
▼ NUD\*IST and ATLAS are two recognized qualitative data analysis programs. Their purpose is to facilitate the management and analysis of unstructured data. For instance, NUD\*IST (Non-numerical Unstructured

Data Indexing, Searching and Theorizing) provides a method of analyzing unstructured data such as text from interviews or documents, or non-textual material such as video-tapes—by allowing you to code in an infinite variety of index categories, organize these indexes into hierarchies, analyze the relationships between indexes and report your findings.

- December 2 • Caroline Lilyard • **University of Virginia Electronic Text Projects**  
▼ The University of Virginia is renowned as a pioneer in the area of electronic text production and delivery. Come and hear about some of the exciting projects currently under way, and how Virginia's faculty use them extensively in teaching and research.
- December 16 • Wendy Treadwell • **Connecting Words and Numbers: The Development of an XML Codebook Standard for Social Science Data**  
▼ Development of an XML codebook structure for social science data files has been the focus of an international cooperative of major data archives and libraries over the past 3 years. The initial version went through beta testing this summer and work is progressing rapidly. This session will look at the overall structure, how it facilitates searching across locations and across document types, sections still 'under construction' and the MRDC beta test project using *StarTribune* Minnesota Poll files. This project included the development of an entry tool to assist the individual researcher in developing appropriate documentation for their primary research projects.

For more information, check out the Electronic Text Research Center web page at:  
<http://www.lib.umn.edu/etrc>

For communications about this column or for more information on any of the items discussed, contact: Nancy Herther, University Libraries, 170b Wilson Library, West Bank; 624-2020; [n-hert@umn.edu](mailto:n-hert@umn.edu)



LUMINA is the on-line computer system of the University of Minnesota Libraries-Twin Cities, and includes MNCAT, the catalog of most of the books and periodicals in the Libraries' collections. Access to MNCAT is available free of charge with no password. Due to contracts with commercial vendors, many of the other databases available through LUMINA may be accessed only by University of Minnesota faculty, staff, and students; this restricted access also requires a campus e-mail username (ID) and password.

# Upcoming TEL Seminars

*Sessions are free. Refreshments are provided.*

<p>● <b>Thursday • November 11, 1999 • Noon to 1:30 p.m.</b>          ● <b>2-101 Basic Sciences/Biomedical Engineering • Minneapolis • East Bank</b></p>		
<p><input type="checkbox"/> <b>Kristin Janke</b>          Outreach Education, College of Pharmacy, Twin Cities</p>	<p>“Resource Management and Instructional Delivery Innovations in a Professional, Doctoral Level, Internet-Delivered Curriculum”</p>	<p>The pharmacy profession recently embraced a doctoral Pharm.D. as the only entry level degree, but most state pharmacists have bachelor's degrees. A team developed six online courses with WebCT for Pharm.D. students in 1998, and the size and retention rate of the entering class was unprecedented. Another six on-line courses are being developed.</p>
<p><input type="checkbox"/> <b>Kristin Janke</b>          Outreach Education, College of Pharmacy, Twin Cities</p>	<p>“Getting Started with Online Problem-Based Learning”</p>	<p>This team is using WebCT to develop an online self-paced course examining problem-based learning. It will be pilot tested by instructors in the College of Pharmacy and later made available to all University faculty.</p>
<p>● <b>Tuesday • November 23, 1999 • Noon to 1:30 p.m.</b>          ● <b>Minnesota Commons Room • St. Paul Student Center • St. Paul</b></p>		
<p><input type="checkbox"/> <b>Laura Molgard</b>          Small Animal Clinical Sciences, College of Veterinary Medicine, Twin Cities</p> <p><input type="checkbox"/> <b>Abby Sage</b>          Clinical and Population Sciences, College of Veterinary Medicine, Twin Cities</p>	<p>“Physical Examination of the Canine Patient”</p>	<p>This team is creating a CD-ROM that will be used in two yearlong clinical skills courses that teach first- and second-year veterinary medicine students how to conduct physical examinations of dogs.</p>
<p><input type="checkbox"/> <b>Carol Urness</b>          James Ford Bell Library, Twin Cities</p> <p><input type="checkbox"/> <b>Julia Gillett</b>          James Ford Bell Library, Twin Cities</p>	<p>“Early Maps and Mapmakers”</p>	<p>This team is developing electronic materials for a distance learning class on the history of maps and early mapmakers. Learners will be able to access on the Internet digitized maps, a series of assignments and discussion questions, and excerpts from explorers' journals and other early documents.</p>
<p>● <b>Tuesday • December 7, 1999 • Noon to 1:30 p.m.</b>          ● <b>Minnesota Commons Room • St. Paul Student Center • St. Paul</b></p>		
<p><input type="checkbox"/> <b>Peter Dimock</b>          Family Social Science, College of Human Ecology, Twin Cities</p> <p><input type="checkbox"/> <b>Philip Colgan</b>          Alcohol and Drug Counseling Education Program (ADCEP), College of Human Ecology, Twin Cities</p>	<p>“Basic Pharmacology of Alcohol and Drug Use”</p>	<p>This team is developing an online course that provides students with information about the interaction of alcohol and drugs with specific receptor sites and neurotransmitters in the brain. Students will be able to interact with each other and the instructor on line in real time.</p>
<p><input type="checkbox"/> <b>John Fetrow</b>          Clinical and Population Sciences, College of Veterinary Medicine, Twin Cities</p>	<p>“Development of a Prototype Distance Education Module in Dairy Production Medicine”</p>	<p>Dr. Fetrow and colleagues are developing a modular distance education curriculum for dairy veterinarians who live in widely dispersed rural areas. The curriculum will make use of multimedia and interaction tools as well as case-based instruction and will dovetail with an agricultural MBA program offered via distance education by the University of Guelph.</p>



# TEL Seminar Series

## *More Technology Enhanced Learning (TEL) Seminars Presented by Award-Winning Faculty*

Attend a session or two to hear why faculty decided to use instructional technology, how they developed new learning environments, and how they are evaluating the results. Sessions are free and refreshments are provided.

*The TEL Seminar Series is led by the Office of the Executive Vice President and Provost and organized by Academic and Distributed Computing Services and the Digital Media Center. Sessions are cosponsored by the Office of Information Technology and collegiate units.*

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  - web: <http://www.umn.edu/ccco>
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- walk-in 50 Coffey Hall, St. Paul: 8 am–5 pm, M–F
- walk-in 50 HHH, West Bank: 1-5 pm, M-F
- web: <http://www.umn.edu/adcs/>
- by e-mail for U of M: [help@tc.umn.edu](mailto:help@tc.umn.edu)

Password: Forgot it? ..... 301-4357

- NTS-TAC: Technical Assistance Center ..... 301-4357
  - web: <http://www.nts.umn.edu>

▼ **Dial-in Computer Access**

Internet/PPP/SLIP: up to 53kps if v.90 ..... 612 627-4250  
(56k K-flex, Flex56, X.2 protocols are unsupported)

Internet: ADI & ITE (with MKO) ..... 623-0291

SecurID Access HiSpeed (v.32) 19200-N81 ..... 626-1061  
2400-N81(no parity/8 data bits/1 stop bit) .... 626-7770

▼ **Web and Internet Addresses**

**Quick Guide**

**Information Technology Newsletter**

<http://www.umn.edu/oit/newsletter>

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<http://www.nts.umn.edu/services/modemusage.html>

Internet/E-mail account management/validation

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LUMINA (Library) – <http://www.lib.umn.edu>

via Telnet/TN3270: [admin.ais.umn.edu](mailto:admin.ais.umn.edu)

OIT – <http://www.umn.edu/oit>

Onestop Student Services – <http://onestop.umn.edu>

UM Bookstores – <http://www.bookstore.umn.edu>

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▼ **General**

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Computer Accommodation Program – voice/tty... 626-0365

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