This issue starts a regular column aimed at informing IS control and audit professionals of developing trends in Cyberspace. In this column, we will bring to your attention Cyberspace places for spending valuable and rewarding surfing time. Most columns will focus on particular aspects of the Cyberspace and will generally present two special items in highlighted boxes: one with a technology to watch and the other one with some "hot" sites!

In this issue, we begin with a description of our site, the Rutgers Accounting Web (RAW). We also present the Internet Phone as the technology to watch. And, with hundreds of thousands of sites in already in existence, we point to some basic sites that are of paramount importance to ISACA professionals.

RAW resources

The Rutgers Accounting Web (RAW), created in September 1994, is sponsored by the National Center for Automated Information Research. It currently has a plethora of accounting and auditing materials including Accounting Education Change Commission projects, the complete text and database of the Jenkins Report of the AICPA, numerous lectures and outlines in systems, auditing and accounting. The RAW currently hosts several important sites such as the Institute of Management Accountants, the American Accounting Association and the Institute of Internal Auditors. The RAW site can be found at: http://www.rutgers.edu/accounting

The RAW is part of the International Accounting Network with five mirror sites around the world. It concentrates on US accounting, while other nodes of the International Accounting Network have British, Australian, Hawaiian and Finnish orientations.

The RAW develops and maintains an information resource of great value called "Accounting Resources on the Internet." There you can find pointers to the Internet sites of CPA firms, the FASB, publishing houses and much more.

A particularly interesting RAW resource directs you toward Internet locations that host freeware and shareware software for building Internet sites. Current or forthcoming features on the RAW include publications of major professional organizations, searchable databases of articles in major accounting research journals, a searchable database of accounting academics (ANet), and statements of research in progress.

The RAW is now getting about 50,000 "hits" a week and...
is growing rapidly. Internet site usage is commonly measured in hits. A hit signifies that a certain file was requested by a visitor. Therefore, a hit does not necessarily correspond to a visit since a visitor may request more than one document. Moreover, if a particular document consists of the main text body and three pictures (gif files), any time a visitor requests that document, her request will be counted as four hits. It is generally assumed that a visit to a web site corresponds to seven-to-ten hits.

Commercial use of the Internet

While substantial hype has surrounded commercial opportunities on the Internet, most users still shy away from buying through the Internet and are reluctant to use it for commercial purposes. Buying habits are very difficult to change, and the shopping experience through the Net is quite different from the regular one. There also is substantial concern for the security of on-line transactions.

Some industries, however, are jumping on the electronic commerce bandwagon. Software, publishing and banking are among the industries in the forefront.

Most Internet researchers expect that the best opportunities for making money on the Internet, in addition to sellingwares for the Internet itself, will be through advertising, subscription services, and transaction processing.

Advertising on the Net will allow greater tailoring and customizing of the marketing message. Electronic magazines may be able to adjust their messages in real time based on information requests made by visitors. Subscription services will allow the user to buy access to valuable information for his/her activities (e.g. stock prices, analyst reports, test results, etc.). Transaction services will progressively take care of the “back office” functions of many businesses, using the Internet as the virtual private network.

Be aware that Internet access providers (IAP) will charge between US $15.00 to US $30.00 for unlimited access. Note that in some cases this charge will cover only e-mail and telnet services, requiring you to pay extra for WWW usage. In general, it will pay to subscribe to an IAP if you typically access the Internet from the same place and use it for more than eight to 10 hours a month.

Disconnecting for now

In concluding this new edition to the IS Audit & Control Journal, it is obvious that this column could continue and fill an entire book. The Internet and its associated technologies are changing each day, and some readers may have knowledge they wish to share. These comments are welcome.

Readers are invited to forward via e-mail any questions, WWW site recommendations or other comments to the Journal at publication@isaca.org

The Best of Cyberspace

Here are a few directories and search engines that are worth exploring.

Directories
Yahoo: a great favorite for finding WWW sites (over 80,000 WWW sites included)
http://www.yahoo.com
The Whole Internet Catalog:
http://gnn.com/wic/wics/index.html
The Global Online Directory:
http://www.gold.net/gold/

Search Engines
Alta Vista Web Index
http://altavista.digital.com/
Excite NetSearch
http://www.excite.com/
Open Text Index
http://www.open-text.com:8080/
LYCOS Search Engine
http://www.lycos.com/

Alexander Kogan, Ph.D.
received his bachelor’s and master’s degrees in operations research from PhysTech—Moscow Institute of Physics and Technology, and his Ph.D. in computer science from the USSR Academy of Sciences. With his research efforts centered on expert systems and artificial intelligence and accounting information systems, Professor Kogan has published over widely referenced papers. He currently is an assistant professor of accounting and information systems for Rutgers University and Webmaster of the Rutgers Accounting Web (RAW).

Ephraim F. Sudit, Ph.D., M.B.A.
is professor of accounting and information systems at Rutgers Graduate School of Management, director of the Rutgers M.B.A. program in professional accounting and associate director of the Rutgers Accounting Research Center. Published widely in professional journals on the subjects of productivity, cost and quality management, Professor Sudit is the author of Productivity Based Management and the soon-to-be-released Effectiveness Quality and Efficiency: A Management Approach.

Miklos A. Varsahelyi, Ph.D., M.S.
is KPMG Peat Marwick professor of accounting, Graduate School of Accounting at Rutgers University and consulting technical manager for the advanced computing group at AT&T Laboratories. His research interests focus on control monitoring, Internet, economics of telecommunication and intelligent databases. Professor Varsahelyi is the director of the Rutgers Accounting Research Center.