



Benchmarks *Online*

Volume 6 - Number 3 * March 2003

[Skip Navigation Links](#)

Columns

[RSS Matters](#)

[SAS Corner](#)

[The Network
Connection](#)

[Link of the
Month](#)

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

Other Resources

[Back Issues,
Text Search](#)

[UNT Main Page](#)

[UNT Calendar](#)

[Support Services](#)

[General Access
Lab Hours](#)

[Training Web](#)

[Academic
Computing
Services](#)

[Computing
Center](#)

Feature Articles

[Campus Computing News](#)

Dr. Leatherbury is back this month with a very timely column, "File Sharing and Copyright Issues in Higher Education." Also on this page is an announcement of a presentation, via satellite: "Cheating and Plagiarism Using The Internet." Check it all out!

[Spring Break Hours](#)

The title says it all. Everything you wanted to know about Spring Break openings/closings in one place.

[Premium Remote Access Line Changes](#)

The changes in PRAS service discussed last month are in place. Now what should you expect?

[New SkillSoft Web Developer Curriculum Now on CD-ROM](#)

The new SkillSoft curriculum covering Adobe products, Macromedia products, FrontPage 2002, and basic Web tools and design is now available on CD-ROM. Details inside.

[May I Help You?](#)

People ask/say the darndest things. Enjoy the wacky questions that have been fielded by the

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Benchmarks
Online](#)

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Online](#)

Computing Center Helpdesk during the past several weeks.

TODAY'S CARTOON

Click on the title above for an information age laugh.

Don't forget to check out our monthly columns. This month's topics:

- [RSS Matters](#) -- "A New Face in RSS." Meet the new guy on the hall here.
- [SAS Corner](#) -- "SAS Analyst." Garvii Thomas tells you about "a tool that is not only menu driven but also allows the user to view and learn the SAS code for the routine that was just committed."
- [The Network Connection](#) -- "E-mail Privacy and Other Internet Oxymorons." Dr. Baczewski gives you a timely topic to ponder over Spring Break - and beyond.
- [Link of the Month](#) -- "The Computing Center Training Website." New and improved.
- [WWW@UNT.EDU](#) -- "Getting Started with ColdFusion at UNT." Details inside..
- [Short Courses](#) -- Spring Short Courses are still available.
- [IRC News](#) -- Minutes of the Information Resources Council are printed here when they are available. The February 18, 2003 minutes are printed this time.
- [Staff Activities](#) -- New employees, people who are no longer employed at the Computing Center, awards and recognitions and other items of interest featured here.

[Skip Navigation Links](#)[Page One](#)[Campus
Computing
News](#)[Spring Break
Hours](#)[Premium Remote
Access Line
Changes](#)[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)[May I Help You?](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network
Connection](#)[Link of the
Month](#)[WWW@UNT.EDU](#)[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to
Benchmarks
Online](#)

Research and Statistical Support

University of North Texas

RSS Matters

Link to the last RSS article here: [Interactive Graphics in R \(Part II - cont.\): Kernel Density Estimation in One and Two Dimensions.](#)

A New Face in RSS

By [Dr. Philip Baczewski](#), Associate Director of Academic Computing

Academic Computing Services is pleased to announce the addition of Patrick McLeod to our Research and Statistical Support staff. Patrick most recently worked part time in the Computing Center's Security group and brings a wealth of technical knowledge to the research support position. In addition, Patrick has substantial experience and training in statistical methods and will serve as the primary representative for the Stata product as well as provide consultation on ACS-supported statistical software.

Patrick is pursuing a Master's degree in Political Science. He is currently working on his thesis which is "a quantitative examination of the foundations of durable peace in post-settlement civil war environments."

[Page One](#)[Campus
Computing
News](#)[Spring Break
Hours](#)[Premium Remote
Access Line
Changes](#)[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)[May I Help You?](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network
Connection](#)[Link of the
Month](#)[WWW@UNT.EDU](#)[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to
Benchmarks
Online](#)

Research and Statistical Support

University of North Texas

SAS Corner

SAS Analyst

By [Garvii Thomas](#), Research and Statistical Support Services Consultant

It has been brought to my attention that many of our students are not aware of the SAS Analyst tool that is available to them. This is a tool that is not only menu driven but also allows the user to view and learn the SAS code for the routine that was just committed. It is quick and easy and covers most, if not all, the process that a graduate student or professor may want to accomplish in SAS. Just as in the SAS editor window data can be accessed either from an existing library or from an external data set. The quick icons include 2Dscatter plots, linear regression, histograms, one-way ANOVA, correlations, and sub-setting a dataset. The drop down menus also allows you to accomplish the former mentions items plus many more advance statistical techniques such as repeated measures ANOVA, principle component analysis, and logistic regression. Under the Statistics menu option there is also an index that contains over 170 statistical techniques and options that are available.

To open the Analyst tool click on the menu bar "**Solution-Analysis-Analysis.**" Then go to "**File-and or menu-Open by SAS name.**" Choose the library you data is stored and then open it. The following dataset (Fitness) is taken from the Sasuser library to illustrate some of the many uses of the Analyst tool. Click on "**edit-mode**" to change the spreadsheet from being browse only to edit so that are able to make change to the dataset.

	age	weight	runtime	rstpulse	runpulse	maxpulse
1	57	73.37	12.63	58	174	176
2	54	79.38	11.17	62	156	165
3	52	76.32	9.63	48	164	166
4	50	70.87	8.92	48	146	155
5	51	67.25	11.08	48	172	172
6	54	91.63	12.88	44	168	172
7	51	73.71	10.47	59	186	188
8	57	59.08	9.93	49	148	155
9	49	76.32	9.4	56	186	188
10	48	61.24	11.5	52	170	176
11	52	82.78	10.5	53	170	172
12	44	73.03	10.13	45	168	168
13	45	87.66	14.03	56	186	192
14	45	66.45	11.12	51	176	176
15	47	79.15	10.6	47	162	164
16	54	83.12	10.33	50	166	170
17	49	81.42	8.95	44	180	185
18	51	69.63	10.95	57	168	172
19	51	77.91	10	48	162	168
20	48	91.63	10.25	48	162	164
21	49	73.37	10.08	76	168	168
22	44	89.47	11.37	62	178	182
23	40	75.07	10.07	62	185	185
24	44	85.84	8.65	45	156	168
25	42	68.15	8.17	40	166	172
26	38	89.02	9.22	55	178	180
27	47	77.45	11.63	58	176	176
28	40	75.98	11.95	70	176	180
29	43	81.19	10.85	64	162	170
30	44	81.42	13.08	63	174	176
31	38	81.87	8.63	48	170	186

Let look at a simple regression output and the code that it generates:

The REG Procedure
Model: MODEL1
Dependent Variable: age Age in years

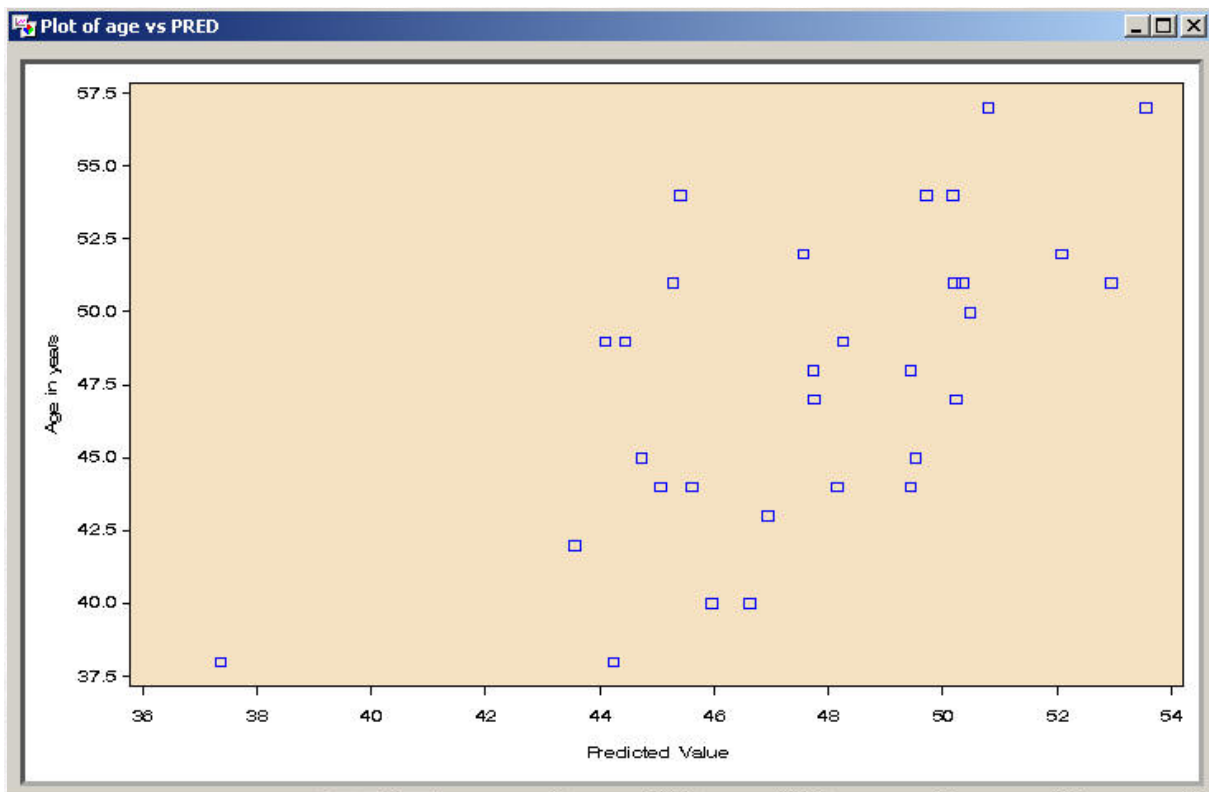
Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	333.64581	83.41145	4.51	0.0067
Error	26	481.12838	18.50494		
Corrected Total	30	814.77419			

Root MSE	4.30174	R-Square	0.4095
Dependent Mean	47.67742	Adj R-Sq	0.3186
Coeff Var	9.02259		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	Intercept	1	145.14567	29.87602	4.86	<.0001
weight	Weight in kg	1	-0.11531	0.09797	-1.18	0.2499
oxygen	Oxygen consumption	1	-0.64597	0.29262	-2.21	0.0363
maxpulse	Maximum heart rate	1	-0.27761	0.09051	-3.07	0.0050
runtime	Min. to run 1.5 miles	1	-0.91561	1.11858	-0.82	0.4205



This is the code that procedure generate. It could be used as a learning tool to writing you own code in the SAS Editor window.

```

    title;
    footnote;
    *** Linear Regression ***;
    options pageno=1;
    goptions reset=all device=WIN;
    title;
    footnote;
    goptions ftext=SWISS ctext=BLACK htext=1 cells
            gunit=pct htitle=6;
    symbol1 c=BLUE v=SQUARE h=1 cells;
    proc reg data=Sasuser.Fitness;
        model AGE = WEIGHT OXYGEN MAXPULSE RUNTIME;
        * Plot observed by predicted values;
        plot AGE * P./ nostat nomodel name='PRED'
            cframe=CXF7E1C2 caxis=BLACK cline=BLUE ctext=BLACK;
    run;
    quit;
    goptions ftext= ctext= htext= reset=symbol;
    goptions reset=all device=WIN;

```

Once again an expansion of this and other topics will be discussed in the in the SAS short course series offered by the Research and Statistical Support: www.unt.edu/rss .

[Skip Navigation Links](#)

[Page One](#)

[Campus
Computing
News](#)

[Spring Break
Hours](#)

[Premium Remote
Access Line
Changes](#)

[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)

[May I Help You?](#)

[Today's Cartoon](#)

[RSS Matters](#)

[SAS Corner](#)

[The Network
Connection](#)

[Link of the
Month](#)

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

[Subscribe to
Benchmarks
Online](#)

Network Connection

By [Dr. Philip Baczewski](#), Associate Director of Academic Computing

E-mail Privacy and Other Internet Oxymorons

Recently, a minor Internet splash was made by an incident involving a Pulitzer Prize-winning reporter, an E-mail message, and an Internet news/discussion site. The reporter was [Laurie Garrett](#), the E-mail [message](#) was her report to her close friends on her experience at the World Economic Forum in Davos, Switzerland in January. Through a series of natural Internet activities, the E-mail came to the attention of habitués of the MetaFilter [Website](#) who proceeded to speculate about the authenticity of its content, correct the author's grammar, and criticize the writing style. All of this is excruciatingly documented and commented on in a [posting](#) by James Grimmelmann to Yale's LawMeme [site](#).

Perhaps not surprisingly, Garrett was abashed to discover that her supposedly private E-mail was being read, discussed, and dissected in detail by a little corner of the Internet community. However, its content, a candid and casual report of her impressions of a meeting of some of the world's wealthiest and most influential people, is such that it makes interesting reading and provides a glimpse of a world that most of us don't see. Right or wrong, it is hard to believe that such a missive once committed to E-mail could remain in private circles for long -- it's just too compelling. At least, it's hard to believe if you've inhabited the Internet as long as I have.

Assume permanence and ubiquity

You would think that such a successful reporter and author who has her own domain name would be cognizant of the nature of Internet E-mail. Her vow to give up E-mail belies the fact that she apparently isn't. Faithful readers of this column will recall that in April of 1991 (OK, really faithful readers -- OK, my editor and I) I provided some basic E-mail guidelines for the then-burgeoning BITNET and the expanding Internet. One which has always stuck with me was quoted from John Quarterman's Book "The Matrix" (well before the popular movie of the same name): "assume permanence and ubiquity." E-mail is permanent because you don't know how long it will exist in someone's mailbox or on a backup tape (maybe forever). E-mail is ubiquitous because once you hit the send button, you lose control of its distribution -- whether intended or not, your E-mail could end up readable by the entire worldwide Internet.

Be careful with private correspondence

Is Internet E-mail privacy a realistic expectation? Quarterman provided a set of ethics in addition to etiquette which included the following directive: "Be careful with private correspondence. Do not redistribute private correspondence without permission." Although not marked "Private and Confidential," the tone and address of Garrett's E-mail message indicated that it was intended for a closed group, but it's common practice these days to assume that E-mail is automatically in the public domain. In most cases, it isn't. Our privacy sense is dulled, however, by the fact that our employers have total rights to any E-mail we

generate at work and the same old jokes are forwarded in E-mail thousands of times every day (the ones that used to encourage Xerox abuse).

If you don't have anything nice to say . . .

Should there be Internet E-mail privacy? A truly private communication system is one which is closed and not Internet accessible (although this still doesn't guaranty that any information will remain private). Perhaps some old advice applies to E-mail communication: if you don't have anything nice to say, don't say it (basic etiquette instruction that most mom's provide their children). Or rather, if you are not willing or able to handle the consequences of information you commit to E-mail, then you'd better not do so. This advice doesn't have to stifle Internet communication, but rather can make it more honest and useful.

Who can you trust?

This issue of controlling information on the Internet is not limited to E-mail. With the growing irrelevance of physical media as the distribution method for books, music, and video, control of information distribution is the looming battleground which will shape the future growth of the Internet. We're only a couple years away from Microsoft's Palladium platform which will combine hardware and software to ensure that certain information can be viewed only on "trusted" computers. Then the question will be whether we [trust](#) Microsoft as the arbiter of when and where we can access online information.

Ironically enough, the World Economic Forum meeting for [2003](#) was subtitled "Building Trust." Even more ironic is that one of the themes of the meeting was "Trust and Values." Laurie Garrett has obviously lost trust in the Internet (or possibly her friends), but is that in conflict with her presumed mission as a journalist to support the free flow of information? Can we trust information which is controlled by and available only from large and self-serving institutions?

Where there's a will, there's a way

In the movie, "Jurassic Park" (and possibly the book), Dr. Ian Malcolm (the mathematician) states "No, I am merely stating that uhh... life finds a way." Whether or not we in the U.S. legislate ourselves into a restrictive box of trusted information, the utility of a world-wide communications network is such that it will be tough for any one country or company to close it to the free flow of information. In the case of the Internet, Pandora's box is already open. On the Internet, information finds a way.

[Skip Navigation Links](#)

[Page One](#)

[Campus
Computing
News](#)

[Spring Break
Hours](#)

[Premium Remote
Access Line
Changes](#)

[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)

[May I Help You?](#)

[Today's Cartoon](#)

[RSS Matters](#)

[SAS Corner](#)

[The Network
Connection](#)

Link of the
Month

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

[Subscribe to
Benchmarks
Online](#)

Link of the Month

Each month we highlight an Internet, USENET Special Interest Group (SIG), or similar mailing list(s) or Website(s).



Training ▼

Last month we told you about the Computing Center Homepage's new look. This month we want to show off the Computing Center Training site. Again, besides the clean, new, modern design, the page provides you with one-stop shopping for information on campus computer training.

Point your browser to <http://www.unt.edu/training/> to see what the fuss is all about.

[Page One](#)[Campus
Computing
News](#)[Spring Break
Hours](#)[Premium Remote
Access Line
Changes](#)[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)[May I Help You?](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network
Connection](#)[Link of the
Month](#)

WWW@UNT.EDU

[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to
Benchmarks
Online](#)

WWW@UNT.EDU

Getting Started with ColdFusion at UNT

By [Claudia Lynch](#), *Benchmarks Online* Editor

ColdFusion seems to still be of interest to lots of folks so, since the Web folks continue to be very busy with other things, I thought I would further recap some resources available to you here at UNT to get you started using that product. Shannon Peevey, in UNT Central Web Support, has been writing a series of articles called "Getting Started With ColdFusion at UNT" since September of 2001. You can read the series here:

1. [Getting Started With ColdFusion at UNT](#)
2. [Your First ColdFusion Application](#)
3. [Using ColdFusion: Making a Connection to a Database](#)
4. [Dealing With Empty Variable Names In ColdFusion](#)
5. [The Quest for ColdFusion: Control Structures](#)
6. [The Quest for ColdFusion: Loop-Da-Loop](#)
7. [Beating the <CFOUTPUT>: or Using Loops to Wrap?](#)

Shannon also teaches a Short Course called "Introduction to Macromedia ColdFusion." There are no classes left this semester, but it will be offered again this summer. Please consult the ACS Short Course [page](#) for more information. The ColdFusion classes are listed at the bottom of the page. It is recommended that you have some knowledge of SQL before taking this class. Computer-based training on SQL is available via the UNT [SkillSoft/SmartForce](#) Server.

Also available via SkillSoft/SmartForce is training on ColdFusion. The latest courses available include a series on Macromedia Products, including ColdFusion. In addition to taking the courses online, [CD-ROMs](#) are available, free of charge. The ColdFusion courses are:

- Getting Started with ColdFusion MX – introductory course.
- Data Retrieval and Manipulation - advanced ColdFusion.



[Skip Navigation Links](#)[Page One](#)[Campus
Computing
News](#)[Spring Break
Hours](#)[Premium Remote
Access Line
Changes](#)[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)[May I Help You?](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network
Connection](#)[Link of the
Month](#)[WWW@UNT.EDU](#)[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to
Benchmarks
Online](#)

Short Courses

By [Claudia Lynch](#), *Benchmarks Online* Editor

The Spring Short Courses will resume after Spring Break. There is still time to take classes in New Technologies for Survey Research, FrontPage 2000, and Dreamweaver MX. Please consult the [Short Courses](#) page to see the course schedules and to register for the classes of your choice.

Customized Short Courses

Faculty members can request customized short courses from ACS, geared to their class needs. Other groups can request special courses also. Contact ACS for more information (ISB 119, 565-4068, lynch@unt.edu).

Especially for Faculty and Staff Members

In addition to the [ACS Short Courses](#), which are available to students, faculty and staff, staff and faculty members can take courses offered through the [Human Resources](#) Department, the [Center for Distributed Learning](#), and the UNT Libraries' [Multimedia Development Lab](#). Additionally, the [Center](#) for Continuing Education and Conference Management offers a [variety of courses](#) to both UNT and the general community, usually for a small fee.

GroupWise Training

GroupWise 6 classes for the spring semester are about to begin. Class descriptions can be found [here](#). Following is the schedule for 2003:

- Basic GroupWise 6 II - March 18 *or* March 20
- Open Forum - March 27, 2003
- GroupWise on the Web - April 10
- Intermediate GroupWise I - April 22 *or* April 24
- HTML Messaging - May 1

You may now register online by [clicking here](#) or by clicking "register" from the top of the class description page. You can still register by phone by contacting Melanie Betterson in Human Resources at x4246.

If you would like to have a Basic GroupWise seminar for your area, please contact Jason Gutierrez, Campus Wide Networks, jasong@unt.edu.

ProDirections Instructor-led Training

UNT has formed a partnership with ProDirections to offer instructor-led computer training on Microsoft Word, Excel, PowerPoint, and Access. Classes are \$99+\$42 for the book. Classes in a series (3 classes in the same series) are \$99 for each class and the book is free. The Excel Series includes Basic Excel, Advanced Excel-part 1, and Advanced Excel-part 2. The Access Series includes Basic Access, Intermediate Access, and Advanced Access.

For a description of each class please go to <http://www.prodirections.com/> and click on "Corporate Workshops"

Center for Distributed Learning

The Center for Distributed Learning offers courses especially for Faculty Members. A list of topics and further information can be found at http://www.unt.edu/cdl/training_events/index.htm The center also offers a "Brown Bag" series which meets for lunch the first Thursday of each month at Noon in ISB 204. The purpose of this group is to bring faculty members together to share their experiences with distributed learning. One demonstration will be made at each meeting by a faculty member with experience in distributed learning. More information on these activities can be found at the [Center for Distributed Learning Website](#).

Technical Training

Technical Training for campus network managers is available, from time to time, through the [Campus-Wide Networks](#) division of the Computing Center. Check the CWN site to see if and when they are offering any training.

UNT Mini-Courses

These are a variety of courses offered, for a fee, to UNT faculty, staff and students as well as the general public. For additional information surf over to <http://www.pware.com/index.cfm> .

Alternate Forms of Training

Many of the [General Access Labs](#) around campus have tutorials installed on their computers. For example, the College of Education recently acquired some Macromedia Tutorials for Dreamweaver 4.0, Flash 5.0 and Fireworks 4.0.

The [Training](#) Web site has all sorts of information about alternate forms of training. Training tapes, Computer Based Training ([CBT](#)) and Web-based training are some of the alternatives offered. Of particular interest are courses available via SmartForce (formerly CBT Systems). See <http://www.unt.edu/smartforce/> for more information.

There are also handouts for computer training on the following topics:

- GroupWise 5.2 Handout for Win95/NT
- FAQ for GroupWise 5.2
- Computers - Back to the Basics
- Introduction to Windows 95 /98/NT

- Introduction to Word 97
- Advanced Word 97 - MailMerge It Together
- Introduction to PowerPoint 97 (Creating a Slide Show)
- Introduction to Remedy (THE Call-Tracking Program)
- AND, the award winning Introduction to Excel 97

Adobe Acrobat Reader Format only for the following:

- Introduction to Microsoft Word 2000
- Introduction to Microsoft Excel 2000
- Creating a Slide Show with PowerPoint 2000
- Using Netscape Communicator & the UNT Home Page

Use the Internet to search for answers to Microsoft Office problems. See <http://www.zdnet.com/zdhelp/filters/office/> December 1999's "[List of the Month](#)" offers links to free Microsoft Word and Excel information also.

[Skip Navigation Links](#)[Page One](#)[Campus Computing](#)[Spring Break Hours](#)[Premium Remote Access Line Changes](#)[New SkillSoft Web Developer Curriculum Now on CD-ROM](#)[May I Help You?](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network Connection](#)[Link of the Month](#)[WWW@UNT.EDU](#)[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to Benchmarks Online](#)

IRC News



Minutes provided by Sue Ellen Richey,
Recording Secretary

IRC Regular and Ex-officio Voting Members: Judith Adkison, College of Education; Donna Asher, Administrative Affairs; Craig Berry, School of Visual Arts; Lou Ann Bradley, Communications Planning Group; Cengiz Capan, College of Business and GALC; Bobby Carter, UNT Health Science Center; Matt Creel, Student Government Association; Christy Crutsinger, Faculty Senate; Jim Curry, Academic Administration; Don Grose, Libraries and University Planning Council; Joneel Harris, EIS Planning Group; Elizabeth Hinkle-Turner, Student Computing Planning Group; Tom Jacob, College of Arts and Sciences; Abraham John, Student Development; Jenny Jopling, Instruction Planning Group; Armin Mikler, Research Planning Group; Kenn Moffitt, Standards and Cooperation Program Group; Ramu Muthiah, School of Community Services; Jon Nelson, College of Music; Robert Nimocks, Director, Information Technology, UNTHSC; John Price, UNT System Center; Philip Turner, School of Library and Information Science and University Planning Council (Chair, IRC); VACANT, Graduate Student Council; VACANT, Staff Council; VACANT, University Planning Council; Virginia Wheelless, Chancellor, for Planning; Carolyn Whitlock, Finance and Business Affairs; **IRC Ex-officio Nonvoting Members:** Jim Curry, Microcomputer Maintenance and Classroom Support Services; Richard Harris, Computing Center and University Planning Council; Coy Hoggard, Computing Center/Administrative; Judy Hunter, GALMAC; Maurice Leatherbury, Computing Center/Academic; Doug Mains, UNT Health Science Center; Patrick Pluscht, Center for Distributed Learning; Sue Ellen Richey, Computing Center (Recording Secretary); Ken Sedgley, Telecommunications.

February 18, 2003

VOTING MEMBERS PRESENT: PHILIP TURNER, Chair, JIM CURRY, BRIDGETTE CARTER (for DONNA ASHER), CENGIZ CAPAN, WIL CLARK (for JOHN PRICE), PAUL HONS (for JUDITH ADKISON), CAROLYN WHITLOCK, LOU ANN BRADLEY, PAM HIGHT (for DON GROSE), COY HOGGARD (for JONEEL HARRIS), CRAIG BERRY, JON NELSON, PHILIP BACZEWSKI (for ELIZABETH HINKLE-TURNER), RAMU MUTHIAH, KENN MOFFITT **NON-VOTING MEMBERS PRESENT:** RICHARD HARRIS, PATRICK PLUSCHT, JUDY HUNTER, JOE ADAMO, MAURICE LEATHERBURY, SUE ELLEN RICHEY (Recording Secretary) **MEMBERS ABSENT:** DOUG MAINS, VIRGINIA WHEELLESS, ROBERT NIMOCKS, CHRISTY CRUTSINGER, TOM JACOB, ARMIN MIKLER, BOBBY CARTER, ABRAHAM JOHN, JENNY JOPLING, DUNCAN ENGLER

President's Staff Meeting

The Chair reported that the President's Staff meeting was held last week, and the Web Accessibility Policy was brought to their attention. The Chair is checking with Paula King to see if that policy has been approved and to make sure it goes on to the next step of getting into the Policy Manual.

DCSMT

Maurice Leatherbury reported that at the last DCSMT meeting there was a discussion of security issues and the responsibilities of end-users and support personnel to maintain secure environments on their servers and desktop machines. It was stressed that everyone on the campus needs to understand that their desktop machines are vulnerable and that it is important for each end-user to be responsible for as much security as possible, because a single unprotected machine can bring the whole network down.

Wireless Network

The group also heard a briefing from Joe Adamo on plans for wireless network roll-out on campus. They are gathering user input at this time and plan the roll-out of some of the access points in March.

Teaching With Technology Grants

Maurice also reported that the deadline for Teaching With Technology Grant proposals was February 14th. Originally there was \$150,000 available, but due to the budget cuts, there will now only be \$100,000. Fourteen proposals have been received, totaling \$167,000.00. An evaluation committee has been formed to review the proposals and award the grant funds.

Communications Planning Group

Lou Ann Bradley reported for the Communications Planning Group that they had met and discussed the wiring of the Research Park; and Joe Adamo reported on the Premium Access accounts. A summary of that report was distributed to the Council members. Adamo recommended that, since the Premium Remote Access lines were not heavily subscribed, and the ratio of users to lines is very low, these lines should be discontinued. It was pointed out that when these subscriber lines were offered to the staff, faculty, and students, there were very few internet service providers in the Denton area. That is no longer the case, and users are now able to obtain better service outside of UNT. Lou Ann Bradley moved that the Premium Remote Access dial-up lines be discontinued effective August 31, 2003. Craig Berry seconded the motion and the motion passed with the Dallas System Center representative abstaining.

There was further discussion about the possibility of discontinuing the free dial-up lines, as well, with some questions raised as to whether this would be a hardship to students or anyone else. Cengiz Capan moved to terminate the free dial-up lines effective August 31, 2003 also. Craig Berry seconded the motion and the motion carried with one vote against, and one abstention by the Dallas System Center. When asked if the equipment used for these dial-up lines could be re-deployed after they are discontinued, Joe Adamo replied that the free dial-ups use such slow-speed modems that it is doubtful they could be used anywhere else.

EIS Project

Coy Hoggard reported that there have not been any significant changes in the progress of the EIS project. He announced that there are two rooms in the E-Bay of the Research Park that will be used as training labs; one of those is up and running and the other will be by March 1st. Both will be used for in-house training during the PeopleSoft implementation.

Maurice Leatherbury commented that the DCSMT is planning its next meeting at the Research Park, and invited the other Planning Groups to come out there for a tour of the facilities if they are interested.

Distributed Learning Team

Patrick Pluscht reported for the Distributed Learning Team that they will meet Thursday of this week. It is still a goal of this group to establish a testing facility on campus with

proctors available for students who enroll in on-line courses to take tests. The DLT will bring this issue back to the Council when they have come up with an idea or plan to reach this goal.

The Chair reported that 34.2% of graduate credit hours are delivered on line now, which he noted is more reason to set up a testing facility on campus.

IRC Meeting Schedule

The [IRC](#) generally meets on the third Tuesday of each month, from 2-4 p.m., in the Administration Building Board Room. From time to time there are planned exceptions to this schedule. There was no meeting in December. All meetings of the IRC, its program groups, and other committees, are open to all faculty, staff, and students.

[Skip Navigation Links](#)

[Page One](#)

[Spring Break Hours](#)

[Premium Remote Access Line Changes](#)

[New SkillSoft Web Developer Curriculum Now on CD-ROM](#)

[May I Help You?](#)

[Today's Cartoon](#)

[RSS Matters](#)

[SAS Corner](#)

[The Network Connection](#)

[Link of the Month](#)

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

Staff Activities

[Subscribe to Benchmarks Online](#)

Staff Activities

Transitions

The following are new employees:

- **Hanisa Sharma**, HRMIS team, Administrative Computing Services.
- **Dan Glass**, Information Security Intern, Information Security Team, Computing Center Administration (part-time).
- **Lakshmikanth Gorrepati**, Lab Monitor, Academic Computing/Adaptive Lab, Academic Computing Services (part-time).
- **Hongyan Yuan**, Lab Monitor, Academic Computing/Adaptive Lab, Academic Computing Services (part-time).

The following people no longer work in the Computing Center:

- **Jeff Charette**, CPU Operator (part-time).
- **Neda Salahi**, Lab Monitor, ACS General Access Lab, ACS (part-time).

Changes

- **Patrick McLeod**, moved from a position on the Information Security Team to a position as a Research and Statistical Support Consultant, Research and Statistical Services, Academic Computing Services.

Awards, Recognition, Publications

The following people have been involved in various professional activities in the past month:

- **Dr. Elizabeth Hinkle-Turner**, Student Computing Services Manager, hosted a roundtable discussion on women and music technology issues and curated a recital of women's electroacoustic music for the Center for Experimental Intermedia of the UNT College of Music on March 10.
- **Dr. Philip Baczewski**, Associate Director of Academic Computing, recently participated in the annual meeting of the Texas Society of Music Theory for which he serves as secretary and Webmaster. In addition to performing his duties as secretary, he chaired a conference session entitled, "Rhythm and Meter in 20th Century Music."
- **Sandy Burke**, Manager, Helpdesk Support Services presented "Seeing the Forest and the Acorns in the Decision Tree" at EDUCAUSE, February 20.

[Skip Navigation Links](#)

[Page One](#)

[Campus Computing News](#)

[Spring Break Hours](#)

[Premium Remote Access Line Changes](#)

[New SkillSoft Web Developer Curriculum Now on CD-ROM](#)

[May I Help You?](#)

[Today's Cartoon](#)

[RSS Matters](#)

[SAS Corner](#)

[The Network Connection](#)

[Link of the Month](#)

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

[Subscribe to Benchmarks Online](#)

Campus Computing News

File Sharing and Copyright Issues in Higher Education

By [Dr. Maurice Leatherbury](#), Senior Director of Academic Computing

Only a couple of years ago, Napster was in the news for its innovative use of the Internet to permit sharing of music files easily and quickly. Napster almost single-handedly popularized the concept of "ripping" music from individuals' CDs and making that music available for anyone on the Internet to listen to it on their home or office computers. However, Napster brought with it several problems:

- Record companies argued that it was illegal to share their copyrighted music with other users without paying royalties for such use. They brought suit against Napster and were successful in shutting down its ability to share copyrighted files.
- On college campuses, including UNT's, Napster quickly came to consume inordinate amounts of bandwidth that was already in short supply. As an example, Napster was in its heyday when UNT expanded its Internet bandwidth capabilities from 9 Mbps to 45Mbps. With five days, Napster traffic accounted for at least 30Mbps of the available bandwidth and threatened to use up all of our capacity, thus denying or slowing other uses of the Internet such as our Web site or WebCT traffic. UNT's scenario was repeated in virtually all institutions of higher education that had relatively large "pipes" to the Internet.

File Sharing Software and Problems it Causes

Although Napster itself is no longer a problem for either the recording industry or our data communications infrastructure, other file sharing programs have supplanted it that cause virtually identical problems. KaZaA is one such program that we're seeing lots of on campus but there are others almost too numerous to list. KaZaA is particularly troubling for two reasons: (1) it has the ability to advertise itself as a storage or processing node for others to use and (2) recent incarnations of the program have the ability to change their "footprint" so that we can't easily determine that KaZaA is running on a campus machine. The first problem is serious for us as a State institution because by law we can't use State of Texas resources for anything but official business (with minor exceptions for incidental personal use.) If multiple machines on campus start being used as file storage nodes for pornographic sites, for example, it is obvious that we'd have serious concerns.

The second problem arises because we have a device in place that limits the bandwidth that is allocated to several file-sharing protocols, including KaZaA.

The purpose of those limits is to preserve the limited amount of bandwidth we have (currently, 45Mbps) for uses more directly related to the University's mission: teaching, research, and service. In other words, we don't want to cause students who use WebCT from off-campus to experience intolerable delays because students in our dormitories want to use file sharing services like KaZaA for recreational pursuits. The device we use identifies the file sharing protocols by the "port" they operate on (a port is a generally hidden part of the Internet address of a particular service on a machine:.) KaZaA now employs "port hopping" to change it's identity so that we can't tell that it's running on a machine or machines until we notice that that particular port is consuming excessive amounts of bandwidth.

Copyright Issues

A larger and more serious problem with KaZaA and its cousins, however, is the issue of illegal use of copyrighted files. Notwithstanding any arguments about music, game, or motion picture companies overcharging for their wares, the simple fact of U.S. copyright law is that those companies do have the right to limit distribution of their products to persons who pay for or otherwise obtain the right to use those products. The [Digital Millennium Copyright Act](#) provides immunity from prosecution to "service providers" (UNT is considered a service provider just like your home Internet Service Provider is) for transmitting and storing unauthorized copies of copyrighted materials if they "upon notification of claimed infringement as described in paragraph (3), responds expeditiously to remove, or disable access to, the material that is claimed to be infringing or to be the subject of infringing activity." This has been named the "immediate takedown" clause of the DMCA and requires UNT to act quickly to track down and render inaccessible any copyrighted material found on our campus network.

The various copyright-holder groups are getting increasingly vigilant about protecting their interests and constantly scan university networks, including UNT's, for potential violations of copyright. Although UNT hasn't (yet) received 250 notices in a single day of such violations, as was recently reported about another university, we responded to an average of 5.7 per month from September 2002 through March of this year, from:

- Interactive Digital Software Association
- Motion Picture Association of America
- Mediaforce
- Universal Studios
- Recording Industry Association of America
- Microsoft Corporation
- Digital Software Association

Here's an extract of one that we received on March 3rd:

I am an authorized representative of the Interactive Digital Software Association, which represents the intellectual property interests of over thirty companies that publish interactive games for video game consoles, personal computers, handheld devices and the Internet.

IDSA is providing this letter of notification pursuant to the Digital Millennium Copyright Act and 17 USC Â§ 512 (c) to make University of North Texas aware of material on its network or system that infringes the exclusive copyright rights of one or more IDSA members. This notice is addressed to you as the agent designated by University of North Texas to receive notifications of claimed infringement, as so reflected in the current records of the U.S. Copyright Office. Under

penalty of perjury, we hereby affirm that the IDSA is authorized to act on behalf of the IDSA members whose exclusive copyright rights we believe to be infringed as described herein.

IDSA has a good faith belief that the Internet site found at [a UNT address] infringes the rights of one or more IDSA members by offering for download one or more unauthorized copies of one or more game products protected by copyright, including, but not limited to:

007

Mario

Max Payne

Star Trek: Armada

Star Wars: Jedi Knight II - Jedi Outcast

Zelda

The unauthorized copies of such game product[s] appearing on, or made available through, such site are listed and/or identified on such Internet site by their titles, variations thereof or depictions of associated artwork (any such game titles, copies, listings and/or other depictions of, or references to, any contents of such game product, are hereinafter referred to as "Infringing Material"). Based on the information at its disposal on 3/3/2003 6:01:53 AM GMT, IDSA believes that the statements in this notice are accurate and correctly describe the infringing nature and status of the Infringing Material.

Accordingly, IDSA hereby requests University of North Texas to immediately remove or disable access to the Infringing Material at the URL address identified above.

Spotlight on Universities

Colleges and universities have become prime targets for copyright owners who fear wholesale theft of their wares. Because institutions of higher education typically have higher bandwidth capacities than commercial Internet service providers, higher concentrations of potential purchasers of music, games, and videos than the population as a whole, and college students are more easily identifiable than teenagers connected via commercial ISP's, it seems that the copyright owners make special efforts to track down illegal sharing of files on college campuses. To date, the copyright owners have turned over the legal or disciplinary action to deal with students to the universities, but there are indications that that stance may change if more stringent punishment is not meted out by the higher education community. (See *Chronicle of Higher Education* Volume 49, Issue 27, Page A32, March 14 2003.) The U.S. Congress is also threatening to take action if higher education doesn't: quoting from the same article, "The lawmakers, members of the intellectual-property subcommittee of the House of Representatives' Judiciary Committee, told officials of Pennsylvania State University, the University of North Carolina, and the University of Tulsa that the way to convince students that illegal file sharing is wrong is to expel or prosecute them."

The ratcheting up of pressure to prevent copyright theft on college campuses is of course troubling to those of us who have to either provide technical means to block unauthorized access to copyrighted materials or to discipline those who do download or share copyrighted materials without permission. It is almost impossible to completely block file sharing programs because, like viruses, they change constantly and publishers of those programs find ways around the efforts we might take to prevent them from working on our campuses. In addition, file sharing programs do have some legitimate uses, such as sharing open source programs or music files, or even commercially-produced programs that are freely distributed. We are reluctant, therefore, to attempt to issue a blanket edict

that file sharing programs may not be installed or used on our campus network.

It's safe to say that this issue won't go away any time soon and that the problem of illegal sharing of copyrighted files isn't limited to college campuses. We will continue to respond to "takedown" requests as we are required to do so by law and will make efforts such as this article to educate students, faculty, and staff of their responsibilities to follow the law. In the meantime, it is each person's responsibility to honor the spirit and letter of copyright laws.

Cheating and Plagiarism Using The Internet

The Center for Media Production, the Center for Distributed Learning, the Media Library, and University Relations, Communications, and Marketing have been sponsoring the [series](#) "Critical Challenges in Distance Education Series" live via satellite this academic year. The final installation in this three-part series, **Cheating and Plagiarism Using The Internet**, will be offered in Chilton Hall, Room 245, on Thursday, April 3 from 1:30-3 p.m. An overflow room will be provided in the nearby Media Library, if necessary. **This is a subject that should be of interest to those who teach in either the virtual or traditional classroom.** A videotape of the earlier sessions, "ADA Issues and Requirements" and "Copyright Issues Online," are available in the [Media Library](#).

WHAT PARTICIPANTS WILL LEARN:

- What cheating and plagiarism are, and what they are not
- The extent of the problem
- Why honor codes make a difference
- Why faculty should deal with these issues
- Why administrators should work with faculty to devise and carry out policies on cheating and plagiarism
- Strategies and techniques for detecting plagiarism
- How to deal with students who
- How to deal with students who plagiarize
- How to teach in ways that make cheating and plagiarism more difficult, while at the same time improve student learning**

THIS PROGRAM WILL EXAMINE:

- What constitutes cheating and plagiarism
- The scope and major causes of the problem
- The importance of honor codes
- The roles of faculty in requiring, teaching, and modeling ethical behavior
- The responsibilities of administrators in enforcing policies and procedures regarding cheating and plagiarism, and in supporting faculty who enforce those policies
- Strategies for detecting plagiarism
- Reactive methods of dealing with the problem
- Proactive approaches to dissuading and minimizing cheating and plagiarism, with an emphasis on effective pedagogy

WHO SHOULD ATTEND:

Full-time and adjunct faculty
Distance learning staff
Instructional technology staff
Deans and directors
Institutional attorneys
Presidents
Trustees

For more information, contact [Patrick Pluscht](#), Associate Director,
Center for Distributed Learning.

[Page One](#)[Campus Computing](#)[Spring Break Hours](#)[Premium Remote Access Line Changes](#)[New SkillSoft Web Developer Curriculum Now on CD-ROM](#)[Save Travel Dollars With Videoconferencing](#)[Coming Next Week to a Convention Center Near You!](#)[The Unintended Consequences of Making Music](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network Connection](#)[Link of the Month](#)[WWW@UNT.EDU](#)[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to Benchmarks Online](#)

Spring Break Hours

By [Claudia Lynch](#), Benchmarks Online Editor

Following are the hours for Computing Center-managed facilities for the Spring Break. All staff offices will be closed Monday, March 17 through Friday, March 21, 2003. The [Helpdesk](#), ACS General Access Lab and Mainframe Print Services will maintain some services during that period, however.

- **Print Services** will be continue their normal schedule through Spring Break except that on **Monday, March 17** they won't open until 10 a.m.
- The **Helpdesk** will maintain its regular schedule: Monday through Thursday 8 a.m. to midnight, Friday 8 a.m. to 8 p.m., Saturday 9 a.m. to 5 p.m., and Sunday 1 p.m. to midnight.

On **Monday, March 17**, the Helpdesk NEC phone system will not be operational from 8 a.m. to approximately 5 p.m. so the phone software can be reinstalled by the NEC Support Group. The office will be staffed to answer E-mail (helpdesk@unt.edu and webct@unt.edu) and start taking calls when the phones come back up.

- The **ACS General Access/Adaptive Lab** ([ISB 110](#)) :

Saturday, March 15: 9 a.m.-5 p.m.

Sunday, March 16: **Closed**

Monday, March 17-Friday, March 21: Lab is open 9:00 a.m. - 5:00 p.m.

Saturday, March 22 - **Closed**

On Sunday March 23, resume normal semester hours (Sundays -- 1:00 p.m. - Midnight.; Mondays -- Thursdays -- 8:00 a.m. - Midnight; Fridays - 8:00 a.m. - 9:00 p.m.; Saturdays -- 9:00 a.m. - 9:00 p.m.)

Hours for Other Campus Facilities

The University is [officially](#) closed for Spring Break Monday, March 17 through Friday, March 21, 2002. Due to budget [constraints](#) and in order to conserve energy, heating and air conditioning will be cut back in most buildings during the March 15-23 Spring Break period. Most buildings on campus will receive only minimum heat (to prevent frozen pipes). Some buildings, however will have selected areas left open or will be open on select days. According to the Facilities Department, these buildings/areas will be open or only partially shut down:

Biology (cycled daily)

Chemistry (cycled daily)

Chilton Hall (cycled daily)

Coliseum (according to activity schedule)

Engineering Technology (Accelerator Lab)

Environmental Education, Science and Technology (cycled daily)

Gateway (according to activity schedule)

General Academic Building (Computing Center only)
Information Science Building (Computing Center input/output area, Help Desk)
Murchison Performing Arts Center (according to performance schedule)
Music Building (cycled daily)
Music Practice North and South (cycled daily)
Physics (cycled daily)
Radio, TV, Film and Performing Arts (KNTU)
Science Research Building
Sullivant Public Safety Center
Union (Post Office area)

General Access Labs

- [WILLIS:](#)

Saturday, March 15 - Close at 11 p.m.

Sunday, March 16 - **Closed**

Monday, March 17-Friday, March 21: 8:00 a.m. - 8:00 p.m.

Saturday, March 22 - **Closed**

Sunday, March 23 - Starting at 1 p.m. normal 24 hr. schedule resumes

- [SLIS:](#)

Sunday, March 16 **Closed**

Monday, March 17-Friday, March 21: 10 :00 a.m. - 8:00 p.m.

Saturday, March 22 - **Closed**

- [MUSIC:](#)

Saturday, March 15 - Saturday, March 22 **Closed**

Sunday, March 23: 1:00 p.m.-Midnight

- [SCS:](#)

Saturday, March 15 - Sunday, March 23 **Closed**

- [SOVA:](#)

Saturday, March 15 - Sunday, March 23 **Closed**

- [COE:](#)

Saturday, March 15 - Sunday, March 23 **Closed**

- [COBA:](#)

Saturday, March 15 - Friday, March 21 **Closed**

Saturday, March 22: 8 a.m. - 8 p.m.

Sunday, March 23: Noon - Midnight

- [CAS:](#)

All CAS labs - GAB 330, GAB 550, Terrill Hall 220, Wooten Hall 120 - will be **closed** until Monday, March 24th at 8 a.m.

[Skip Navigation Links](#)[Page One](#)[Campus
Computing News](#)[Spring Break
Hours](#)[Premium Remote
Access Line
Changes](#)[New SkillSoft Web
Developer
Curriculum Now
on CD-ROM](#)[Save Travel Dollars
With
Videoconferencing](#)[Coming Next Week
to a Convention
Center Near You!](#)[The Unintended
Consequences of
Making Music](#)[Today's Cartoon](#)[RSS Matters](#)[SAS Corner](#)[The Network
Connection](#)[Link of the Month](#)[WWW@UNT.EDU](#)[Short Courses](#)[IRC News](#)[Staff Activities](#)[Subscribe to
Benchmarks
Online](#)

Premium Remote Access Line Changes

*This article was the "Campus Computing News" article in last month's [Benchmarks Online](#). Since that time, the changes described below have been put into place (on March 10). If you have problems accessing the PRAS lines, it may simply be a result of the reduced number of lines rather than an actual problem with the service. **In most cases, you shouldn't notice the change, but if you do encounter busy lines, please try to access the service several times over a 15-30 minute time period before reporting a problem to the [Helpdesk](#).** - Ed.*

By [Joe Adamo](#), Director of Communications Services

UNT provides remote access facilities to its students, faculty and staff in Denton, Dallas and Fort Worth. Remote access users can choose from either standard 'free' remote access that supports dial-up speeds of up to 33.6Kbps or they can subscribe to Premium Remote Access Service ([PRAS](#)) that supports dial-up speeds of up to 56kbps. The charge for PRAS is currently \$45 per semester.

When PRAS was approved, it was agreed that a 7:1 subscriber to line ratio would be maintained in order to ensure subscribers access to the lines. Currently there are 165 access lines (7 T1s) installed in Denton, 48 access lines (2 T1s) installed in Dallas and 12 access lines installed in Fort Worth for a total of 225 access lines. Using the 7:1 ratio, the 225 access lines will support up to 1575 subscribers, but we currently have only 732 subscribers to PRAS. The number of PRAS subscribers varies each semester but has continued to drop over the years due to the many alternatives (commercial dial-up providers, DSL, cable, dorm Ethernet connections) that are available to them, we felt, therefore, that an analysis and reconfiguration of this service was warranted.

Based on the current number of subscribers to PRAS and in light of our new budget [constraints](#), we are reducing the total number of PRAS lines to 127, with 96 in Denton, 24 in Dallas and 12 in Fort Worth. This configuration will re-establish the 7:1 ratio *and* reduce our operating expenses by approximately \$3,700 per month in access line charges. Orders are being issued to the vendors to make this change with the new configuration in effect in early March.

[Skip Navigation Links](#)

[Page One](#)

[Campus
Computing
News](#)

[Spring Break
Hours](#)

[Premium Remote
Access Line
Changes](#)

[New SkillSoft
Web Developer
Curriculum now
on CD-ROM](#)

[May I Help You?](#)

[Today's Cartoon](#)

[RSS Matters](#)

[SAS Corner](#)

[The Network
Connection](#)

[Link of the
Month](#)

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

[Subscribe to
Benchmarks
Online](#)



New SkillSoft Web Developer Curriculum Now on CD-ROM

By [Dr. Elizabeth Hinkle-Turner](#), Student Computing Services Manager

The new SkillSoft curriculum ([announced](#) in last month's *Benchmarks Online*) covering Adobe products, Macromedia products, FrontPage 2002, and basic Web tools and design is now available on CD-ROM. CDs have been made covering the following areas: Adobe Products (includes Acrobat training), Adobe Acrobat (the Acrobat training only), Macromedia Products, FrontPage 2002, and Web Power! (HTML and Web design basics). These CD-ROMs can be obtained by contacting Claudia Lynch (lynch@unt.edu, 565-4068) in the Computing Center. The CD-ROMs are free of charge to members of the UNT community.

The [CD-ROM request and server table of contents page](#) has been modified and updated to include all new courseware acquisitions. The table of contents is now organized by subject matter and one can easily click on the CD-ROM and server topics to view their complete course listings. Note that SkillSoft courses appear in alphabetical order on the actual server so make careful note of the course title before trying to find it.

All Health Science Center personnel can obtain CD-ROM instructional materials by contacting [Suzanne Gravois](#) in the HSC library. The HSC charges a nominal service fee to copy the CD-ROM.

A listing of the newly available CDs and their contents is given below:

Adobe Products CD-ROM

- *Getting Started with Adobe Acrobat*
- *Up and Running with Adobe Acrobat 5.0*

- *Getting Started with Freehand 10*
- *Up and Running with Freehand 10*
- *Moving On with Freehand 10*

- *Getting Started with GoLive 5*
- *Up and Running with GoLive 5*
- *Moving On with GoLive 5*

- *Getting Started with Illustrator 9.0*
- *Up and Running with Illustrator 9.0*

- *Getting Started with Paint Shop Pro 7*
- *Getting Started with Photoshop 6.0*
- *Up and Running with Photoshop 6.0*

- *Optimizing File Sizes with Imageready 3*

Adobe Acrobat 5.0 CD-ROM:

- *Getting Started with Adobe Acrobat*
- *Up and Running with Adobe Acrobat 5.0*

FrontPage 2002 CD-ROM:

- *The Basic Features and Functionality of FrontPage 2002* – introductory course
- *Building and Modifying Websites in FrontPage 2002*
- *Enhancing and Managing Websites with FrontPage 2002*
- *Enhancing and Publishing Websites in FrontPage 2002*

Macromedia Products CD-ROM:

- *Working with Images* – introductory course to Fireworks MX
- *Adding Interactive Objects* – Fireworks MX
- *Using Fireworks MX with Dreamweaver MX and Flash MX*

- *Basic Animation*– introductory course to Flash MX
- *Increased Application* – Flash MX
- *Objects, Functions, and Components in Flash MX*
- *Using Action Scripts in Flash MX*

- *Dreamweaver 4* – introductory course to Dreamweaver 4

- *Using Basic Dreamweaver MX Tools* – introductory course to Dreamweaver
- *Structuring Web Pages* – using tables in Dreamweaver MX

- *Flash 5* – introductory course to Flash 5

- *Getting Started with Coldfusion MX* – introductory course
- *Data Retrieval and Manipulation* - advanced Coldfusion

Web Power! CD-ROM:

- *Design Concepts* – covers Web page design basics
- *HTML Fundamentals* – an overview of HTML
- *Advanced HTML Design Elements*
- *Advanced Technology Concepts* – covers HTML, Javascript, Dynamic HTML, XML, and Java applets

Please alert all faculty, staff, and students in your areas about these new Web developer learning tools which promise to add valuable training in digital

imaging and Web page design for the UNT campus community.

[Skip Navigation Links](#)

[Page One](#)

[Campus
Computing
News](#)

[Spring Break
Hours](#)

[Premium Remote
Access Line
Changes](#)

[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)

[May I Help You?](#)

[Today's Cartoon](#)

[RSS Matters](#)

[SAS Corner](#)

[The Network
Connection](#)

[Link of the
Month](#)

[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

[Subscribe to
Benchmarks
Online](#)

May I Help You?

Compiled by UNT Computing Center [Helpdesk Staff](#)

People ask/say the darndest things. Below are some questions that have been fielded by the Computing Center Helpdesk during the past several weeks. Enjoy. - Ed.

I already graduated and sold my math book. Can you tell which is the x-axis and which is the y-axis, the line that goes up and down or the line that goes left/right?

I know the dial-up is down, but my Kazaa cannot get anywhere near 30k/sec.

We need the air conditioner turned down in the Gateway building. Its freezing in here.

Can I speak to "Elizabeth Hurley"?<Who!?!>

Elizabeth Hurley!<Are you sure?>

Yes.<Elizabeth who?>

HURLEY!<Do you mean Elizabeth Hinkle-Turner?>

No! Hurley!

HELP.....I CAN'T PLAY MY WINDOWS 95 SOLITAIRE IT COMES UP "ILLEGAL OPERATION". CAN I GET IT BACK WITHOUT REMOVING MY YAHOO MESSENGER? THANKS..

Do you happen to know what the bed sheet sizes are for the dorm rooms?

I need to activate service for my internet box that these guys just installed.

<is it a dial up account you need activated?>

No, it's an internet box. They said to call you.

Hi...uhh....uhhh.. I need to...uhh... connect my Playstation 2 to play games online... Can you remove the uhhh... firewall and uhh... give me a separate IP address for the Playstation?

Do you have a first aid kit? I need some ointment, like Neosporin.

These email attachments in my Inbox are about 4400 KEG-A-BYTES.

I've been trying to log into Eglemail all day and it won't let me

<ok, are you at Eglemail now?>

No, how do I get to Eglemail?

I heard that the Lambda Chi's were in trouble for hazing. Do you know anything about that?

I know they're blocking Kazaa in the dorms, but can you tell me how to get

around that?
If I get DSL from Verizon, will it still be the same Internet as my UNT Dial-up?"
While sitting at the front desk wearing my badge and talking on the phone. Girl walks in and asks: "Do you work here?"
Can you guys come shovel snow on Highland and Ave. C?
Each year I receive a form from UNT showing how much I spent on tuition so I can get a tax write-off.
My neighbors received a form this year, but I haven't. How can I get one?
Hello, I'm calling because I'm sick and won't be able to come to class today
I can't log into my GroupWise email 5 minutes later.... well, I can't get to the login page because my internet connection hasn't been working.
I go to CNN.com, and that's fine, BUT, then I go and type the address for Google.com, and it goes to Google, but it deletes CNN. (35 minute call)
What's the difference between a hard drive and an operating system, because I spilled a drink on my laptop.
Right click on the text . . . How do I do that?

[Skip Navigation Links](#)

[Page One](#)

[Campus
Computing
News](#)

[Spring Break
Hours](#)

[Premium Remote
Access Line
Changes](#)

[New SkillSoft
Web Developer
Curriculum Now
on CD-ROM](#)

[May I Help You?](#)

Today's Cartoon

[RSS Matters](#)

[SAS Corner](#)

[The Network
Connection](#)

[Link of the
Month](#)

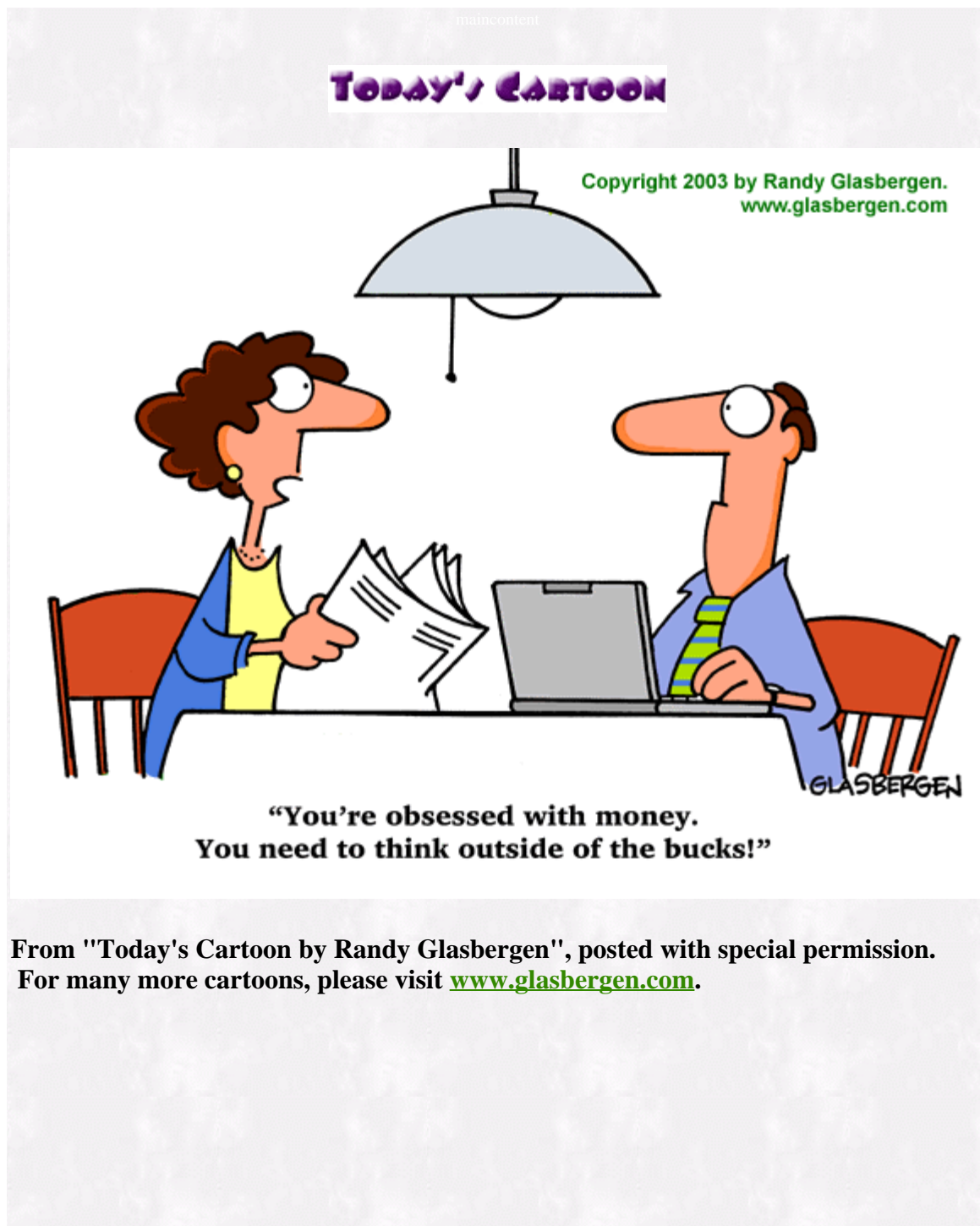
[WWW@UNT.EDU](#)

[Short Courses](#)

[IRC News](#)

[Staff Activities](#)

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Benchmarks
Online](#)



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