Goodbye 'netid,' Hello 'modem account'...

Confusion surrounding the terms “netid” and “UOnet account” has inspired Computing Center staff to repackage them as a “modem account.” Beginning fall term, you’ll be seeing and hearing the term “modem account” used in Computing Center documentation and consulting services in lieu of “netid” and “UOnet account.” In the paragraphs below, we introduce modem accounts in detail—what they are, who needs one and why, and how to set one up.

What’s a Modem Account?

A modem account is the key to having direct network access without having to log in on a timesharing system such as GLADSTONE or DARKWING. Once you have a modem account and have installed the appropriate remote access software, you have direct dial-in access to all Internet services and archives from home—or from any other on- or off-campus location that is not physically connected to UOnet, the UO’s campuswide network.

Who Needs One?

UO students, faculty, and staff who dial in from a home computer and want direct network access must have a modem account. If you are dialing in successfully now, you do not need to change anything!

How Do You Set One Up?

Setting up a modem account involves the selection of a unique network username (formerly called a “netid”) and a password, using the Computing Center’s account authorization program, AUTHORIZE. This program authenticates your status as a University student, faculty, or staff member, using information you provide online, and establishes a modem account for you. (You also use the AUTHORIZE program to set up timesharing accounts.)

To set up a modem account with the AUTHORIZE program, you must use a personal computer (or terminal) on campus that is physically connected to UOnet, or a home computer that has dial-in access to your campus timesharing system, (i.e., your GLADSTONE or OREGON account). You can find public networked computers and terminals in most campus labs, the Knight Library’s Information Technology Center, the Science Library, and Computing Center lobby areas.

The way you invoke the AUTHORIZE program depends on how the workstation you’re using accesses UOnet. For step-by-step instructions on how to set up a modem account from various types of workstations, see the handout “How to Get a Modem Account.” It is available in the Computing Center Documents Room (205), at the downstairs Help Desk, in campus microcomputing labs, and online at http://darkwing.uoregon.edu/~cchom/documentation/modem.html.

Copyrights on the Web: What's Legal?

Suppose you’re designing a Web page and you want to copy a graphic you find on the network, modifying it to suit your needs. Can you do this without getting sued?

Perhaps you’re an instructor, and you want to distribute copyrighted source material to your students over the network. Is this “fair use?”

Or maybe you’re just a casual network browser, and you want to copy an amusing USENET posting and e-mail it to a friend. Is this okay?

Questions like these are multiplying exponentially as more and more people tap into...
Duckware CD-ROM Debuts

The Duckware CD-ROM is here! Produced this summer by the UO Computing Center and funded by the student technology fee, this CD-ROM is being made available to all current UO students and faculty at no cost. It contains many valuable computing resources, including:

- network software for connecting to the Internet from on- or off-campus
- software from the UO Computing Center’s public domain libraries, including operating system updates, shareware, utilities, drivers, clipart, and more (software categories differ for Macs and Windows-based PCs)
- documentation to help answer common questions and refer users to sources of additional information and help

System Requirements

The Duckware disc can be used on either a Macintosh or PC/Windows computer system with a CD-ROM drive. To use it on a Macintosh, you’ll need to run System 7.x or higher. For PC/Windows, you need Windows 3.1 or Windows 95.

If you don’t have a CD-ROM drive...you may use the CD-ROM drives on OU computer lab machines. If you prefer to use diskettes, the Microcomputer Support Center (Room 202A) is also selling the same remote access software package on diskettes at nominal cost. If you prefer not to buy, you may check out a diskette set from Computing Center Documents Room (205).

Where to Get One

Students: Students may pick up their copy of the Fall 1996 Duckware CD-ROM at one of the following locations:
- Computing Center:
  - Help Desk
  - Microcomputer Support Center
- Dorm Area Desks (for dorm residents):
  - Hamilton
  - Carson/Earl
  - University Inn
- CC-EMU Microcomputing Lab
- CC-Klamath Lab
- CC-Millrace Lab
- Knight Library Information Technology Center
- Science Library Information Technology Center

Faculty: The Duckware CD-ROM is being sent to all faculty via campus mail.

Recycling Information

When these Duckware discs become outdated, you may recycle both the disc and its Tyvek sleeve packaging in any of the distribution locations mentioned above, as well as at the Survival Center in EMU Suite 1.

Questions?

For additional help or information about Duckware CD-ROMs, contact the Microcomputer Support Center (202A Computing Center; e-mail: microhelp@oregon.uoregon.edu; phone: 346-4412).

Microcomputer Services Gears Up for Fall

Over the past few months, the Microcomputer Services staff has been working hard, preparing for the 1996-7 academic year. Here’s the scoop on what’s new for fall, what’s planned for the near future, and where you can go to get help with your microcomputer questions.

What’s New?

Duckware CD-ROM. No more waiting in line to copy, check out or buy software from the campus network collections! Now all the UO network application installers, dial-in software installers, public domain software and shareware, clipart, interactive tutorials, and helpful documentation are conveniently packaged on one CD-ROM. The new Duckware CD-ROM is being made available to all UO students and faculty at no cost, together with printed documentation on how to connect to UO net (the UO campus network) via modem. For more details on what software is included on the Duckware disc and how to get yours, see the article “Duckware CD-ROM Debuts” above.

New Web Address. Our Web site has a new address that’s much easier to remember than the old one. Look for us at http://micro.uoregon.edu

PC Copy Stations Updated. Thanks to a generous donation of used computers from the Law School, we have updated the PC copy stations in the Microcomputer Support Center. These stations will allow us to run Windows 95 and take advantage of its superior interface to aid users in copying shareware software from our servers.

-continued on page 3
Microcomputer

Services, continued...

CC Public Domain Revamped. We've cleaned house! The 10,000 files on this server have been updated and reorganized in a more logical manner. We feel that the new look should help you more easily find what you need. CC Public Domain can be accessed via AppleShare in the UOnet AppleTalk zone (log in as "Guest"), or via ftp, logging in on ccpd.uoregon.edu using the username anonymous and a password of the form your-username@oregon

More Staff. We know it can be difficult to reach us by phone during peak business hours, so we've hired more people to begin to meet the increasing demand for our services. With additional staff, we hope to be able to answer more incoming calls directly, or at least return your calls more promptly.

What's Next?

New PC Public Domain Server. During fall term, look for a new Windows NT public domain server for PC users. Whether you use Windows 95, Windows NT, or Windows for Workgroups, you'll have easy access to the latest PC public domain software we distribute—including our network application and dial-in software installers.

Windows 3.1 and DOS users will still be able to access our menu system on Zeus, the Novell Netware server.

...and More... Many other exciting projects are underway. Look for announcements in future issues of Computing News, or check our Web site at http://micro.uoregon.edu for the latest developments.

Where to Get Help

Take your microcomputer-related questions to the Microcomputer Support Center. The consulting office (Room 202A) is open between 9 am and 5 pm weekdays. You may also reach a consultant by calling 346-4412, or sending a brief e-mail message to microhelp@oregon.uoregon.edu

Information about our services is also available at http://micro.uoregon.edu

Reminder:

Use OREGON to Read 9-Track Tapes

Over the summer, the Computing Center replaced a number of older controllers and disks on the VMScluster with newer, more reliable equipment. As a consequence of the upgrade, 9-track tapes can no longer be mounted on DONALD or DAISY. If you need to read a 9-track tape, you must use OREGON.

The MOUNT command has also changed slightly: substitute mk: where you used to type mu: to identify the tape volume or reel, i.e.,

$ mount/comment="pw:password" mk: valid logical-name

Remember, too, that the old 3480-style tape drives are no longer available!

Questions, Concerns?

If you have further questions about the new tape procedures, contact a VMS consultant at consult@oregon.uoregon.edu.

Use Diskette Smarts

If you store your work on a diskette, particularly if you use the campus microcomputer labs for your computing work, here are some tips for keeping your data safe:

1. Always copy your work files to more than one diskette. A diskette can fail without warning. In most cases, the data can be recovered, but you may lose some of your work, and you will always lose time trying to salvage lost data.

2. Keep your diskette in a hard container. Diskettes are easily damaged, particularly when they're transported in backpacks. A hard, plastic container can help protect your valuable files.

3. Don't hang on to old diskettes. The reliability of a diskette degrades over time and with continued use. If your diskette is more than a few months old and you use it constantly, consider purchasing a new one. Copy all your data onto the new diskette and throw the old one away.

-continued on page 4

3
getting an ip address the easy way

All campus personal computers that operate on the Internet, using software such as Netscape, Eudora, and ftp, must have an Internet Protocol (IP) address assigned. In the past, machines new to the campus network had to be registered with the Computing Center's Network Services staff, at which time they were assigned an IP address.

Now, a new network service known as DHCP (Dynamic Host Configuration Protocol) automates this process by assigning an IP address whenever a properly configured machine is plugged into the campus network. DHCP address assignment will be particularly useful for "roving" users, who use their computers at various campus locations. For example, a student working on a laptop computer in their dorm room could shut it down, take it to the library, plug it into an activated network jack, boot the machine, and continue working there.

There are certain situations when DHCP dynamic address assignment should not be used. If the machine is going to be used as a server (i.e., an email, Web, or ftp server), it should be formally registered on Network Services' Bootp Registration Form at http://ns.uoregon.edu. It is then assigned a fixed IP address and a user-specified host name. Laser printers and other devices that provide service to a large number of users should be registered similarly.

Otherwise, you should make use of DHCP to obtain an IP address and get your system up and running on the network. If you're the owner of a typical personal computer (such as a Mac running Open Transport or a PC/compatible running Windows 95), and you wish to connect your machine to UOnet, you'll first need to configure it to select DHCP. See http://ns.uoregon.edu/dhcp for examples of how to configure your system for DHCP. Then, just plug it into an appropriate campus network jack, boot it, and you're up and running on the network.

If you are using an existing machine that has already been registered and which has an IP address assigned, you can continue to use it without taking any action.

Need Help/More Information?

If you encounter a problem using DHCP, in most cases it can be corrected by rebooting the machine. For more information on DHCP, send e-mail to nethelp@ns.uoregon.edu or see the Network Services Web pages at http://ns.uoregon.edu.

Diskette Smarts, continued...

4. Use 3 1/2" plastic diskettes whenever possible. Floppy 5 1/4" diskettes are much less reliable than the smaller 3 1/2" plastic ones. If you have a choice, use the smaller ones.

5. Be aware of diskette danger zones. Diskettes are very susceptible to damage by heat (i.e., direct sunlight), moisture, dust, and magnetic fields (including the magnet in your phone!)

6. Discard repaired disks. If your diskette ever fails and is repaired, always throw out the defective diskette after recovering your data. It's not worth the risk of reusing it.

Questions?

If you have further questions about safeguarding your microcomputer data, contact the Microcomputer Services staff in Room 202A (phone: 346-4412; e-mail: microhelp@oregon.uoregon.edu). Hours are 9 am to 5 pm, Monday through Friday.
This fall, the UO Library is offering 90-minute workshops on a variety of Internet topics, the Lexis/Nexis database, and bibliographic software. Most workshops include some hands-on experience, and all are free to UO faculty, staff, and students. Unless otherwise noted with an *, classes will be held in the Knight Library's Electronic Classroom (Room 144).

No advance registration is required. Seating is limited, so participation will be on a first-come, first-served, basis. Requests for accommodation related to disability should be made to 346-1897 at least one week in advance of the workshop.

Call 346-3047 or see http://libweb.uoregon.edu/instruct/internet.html for more information about the Library's Internet curriculum. Printed descriptions of the workshops are also available at the Knight Library reference desk and in the Information Technology Center.

### Workshop Descriptions

<table>
<thead>
<tr>
<th>Workshop</th>
<th>Day/Date</th>
<th>Time</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Introductory Web Courses</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to the Internet</td>
<td>Thu Oct 3</td>
<td>11am - 12:30pm</td>
<td>Heinzkill, Lenn</td>
</tr>
<tr>
<td></td>
<td>Thu Oct 10</td>
<td>1 - 2:30pm</td>
<td>Heinzkill, Lenn</td>
</tr>
<tr>
<td></td>
<td>Thu Oct 17</td>
<td>1 - 2:30pm</td>
<td>Heinzkill, Lenn</td>
</tr>
<tr>
<td></td>
<td>Mon Oct 28</td>
<td>1 - 2:30pm</td>
<td>Robare, Slight-Gibney</td>
</tr>
<tr>
<td></td>
<td>Mon Nov 4</td>
<td>3 - 4:30pm</td>
<td>Robare, Slight-Gibney</td>
</tr>
<tr>
<td>World Wide Web for the Computer Novice</td>
<td>Thu Oct 3</td>
<td>1 - 2:30pm</td>
<td>Hawk, Robare</td>
</tr>
<tr>
<td></td>
<td>Mon Oct 7</td>
<td>1 - 2:30pm</td>
<td>Frantz, Hawk</td>
</tr>
<tr>
<td>Introduction to the World Wide Web</td>
<td>Wed Oct 2</td>
<td>4 - 5:30pm</td>
<td>Crumb, Lincicum</td>
</tr>
<tr>
<td></td>
<td>Wed Oct 9</td>
<td>12:30 - 2:00 pm</td>
<td>Crumb, Lincicum</td>
</tr>
<tr>
<td></td>
<td>Tues Oct 15</td>
<td>11am - 12:30pm</td>
<td>Crumb, Paynter</td>
</tr>
<tr>
<td></td>
<td>Mon Oct 21</td>
<td>4 - 5:30pm</td>
<td>Frantz, Stave</td>
</tr>
<tr>
<td></td>
<td>Tues Oct 22</td>
<td>1 - 2:30pm</td>
<td>Robare, Slight-Gibney</td>
</tr>
<tr>
<td></td>
<td>Wed Oct 23</td>
<td>12:30 - 2pm</td>
<td>Bell, Panchenko</td>
</tr>
<tr>
<td></td>
<td>Thu Oct 31</td>
<td>2 - 3:30pm</td>
<td>Chadwell, Thomas</td>
</tr>
<tr>
<td></td>
<td>Thu Nov 7</td>
<td>12:30 - 2pm</td>
<td>Bell, Panchenko</td>
</tr>
<tr>
<td>Beyond Just Surfing: How to Find What You Really Want on the Net</td>
<td>Mon Oct 14</td>
<td>1 - 2:30pm</td>
<td>Cawthorne, Paynter</td>
</tr>
<tr>
<td></td>
<td>Thu Oct 17</td>
<td>11am - 12:30pm</td>
<td>Cawthorne, Jenkins</td>
</tr>
<tr>
<td></td>
<td>Mon Oct 21</td>
<td>2 - 3:30pm</td>
<td>Cawthorne, Jenkins</td>
</tr>
<tr>
<td></td>
<td>Tues Oct 29</td>
<td>1 - 2:30pm</td>
<td>Jenkins, Paynter</td>
</tr>
<tr>
<td>USENET Discussion Groups</td>
<td>Wed Oct 30</td>
<td>3 - 4:30pm</td>
<td>Klassen</td>
</tr>
<tr>
<td>Knight Library Room 144 (PC users)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITC Classroom* (Mac users)</td>
<td></td>
<td></td>
<td>Klassen</td>
</tr>
<tr>
<td>Introduction to Web Publishing</td>
<td>Wed Oct 16</td>
<td>12:30 - 2:30pm</td>
<td>Smith, T. Smith</td>
</tr>
<tr>
<td>Knight Library Room 144 (PC users)</td>
<td>Mon Oct 28</td>
<td>3 - 5pm</td>
<td>Smith, T. Smith</td>
</tr>
<tr>
<td></td>
<td>Tues Nov 5</td>
<td>4 - 6pm</td>
<td>Smith, T. Smith</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITC Classroom* (Mac users)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*ITC = Information Technology Center, on the second floor of the Knight Library
Intermediate Web Publishing

**HTML Revisited**
- Knight Library Room 144 (PC users)  
  Wed Oct 23 9 - 10:30am  
  Knight Library Room 144 (PC users)  
  Thu Oct 24 1 - 2:30pm

**Debugging and Publishing Non-HTML Documents**
- Knight Library Room 144 (PC users)  
  Wed Oct 30 9 - 10:30am
- ITC Classroom* (Mac users)  
  Thu Oct 31 1 - 2:30pm

**Images on Web Pages**
- Knight Library Room 144 (PC users)  
  Wed Nov 6 9 - 10:30am
- ITC Classroom* (Mac users)  
  Thu Nov 7 1 - 2:30pm

**HTML Editors and Converters**
- Knight Library Room 144 (PC users)  
  Wed Nov 13 9 - 10:30am
- ITC Classroom* (Mac users)  
  Thu Nov 14 1 - 2:30pm

**Animation**
- Knight Library Room 144 (PC users)  
  Wed Nov 20 9 - 10:30am
- ITC Classroom* (Mac users)  
  Thu Nov 21 1 - 2:30pm

**Forms and CGI Scripts (PC & Mac users)**
- Knight Library Room 144 (PC users)  
  Wed Dec 4 9 - 10:30am
- ITC Classroom* (Mac users)  
  Thu Dec 5 1 - 2:30pm

**Introduction to Scanning: Creating and Moving Digitized Images (ITC Classroom)**
- Thu Nov 14 3 - 4:30pm
- Wed Nov 20 3 - 4:30pm

**Subject Resources on the Web**

**Lexis/Nexis**
- Tue Oct 8 4 - 5:30pm  
  Fri Oct 18 11am - 12:30pm  
  Mon Oct 28 10 - 11:30am  
  Thu Oct 31 4 - 5:30pm  
  Mon Nov 11 7 - 8:30 pm

**Art and Architecture Information**
- Tues Nov 12 4 - 5:30pm  
  Thu Nov 14 5 - 6:30pm

**Chaos or Order? Using Bibliographic Management Software**

**Overview**
- Wed Nov 6 noon - 1:30pm  
  EndNote
- Wed Nov 13 noon - 1:30pm  
  Procite
- Wed Nov 20 noon - 1:30pm

**Consumer Information on the Web**
- Mon Nov 4 5 - 6:30pm  
  Tues Nov 19 5 - 6:30pm

**Electronic Journals...**
- Wed Oct 30 noon - 1:30pm  
  Thu Oct 31 noon - 1:30pm

**Finding a Job on the Internet**  
(Note: Contact the UO Career Center at 346-3235 to register for this workshop!)
- Tues Oct 15 3 - 5pm  
  Fri Nov 1 2 - 4pm  
  Thu Nov 21 3 - 5pm

**Newspapers & News Services on the Web**
- Thu Nov 7 3 - 4:30pm  
  World News Connection (FBIS Online)  
  Thu Oct 31 10 - 11:30am

*ITC = Information Technology Center, on the second floor of the Knight Library
Take a Workshop Home—on Video!

If you've ever missed a UO microcomputer workshop you wanted to attend, or wished you could review a workshop you did attend, you now have the option of viewing it on video.

University Computing, in conjunction with the Knight Library's Instructional Media Center (IMC), has created a number of instructional videotapes which you may purchase or check out. The workshops range from 12 minutes to three hours (three one-hour tapes) in length and cover a variety of topics. Here's a current list of available titles:

- Introduction to Windows 95
- Introduction to Windows 3.1
- Introduction to Macintosh
- Computer Fundamentals
- Introduction to Microsoft Word (Windows and Macintosh)
- UO Computing Resources Tour
- Microsoft Word Advanced Formatting for Papers
- Getting More Out of Microsoft Word 6.0
- Microsoft Excel 5.0 Fundamentals
- Getting More Out of Microsoft Excel 5.0
- Remote Access Using a Modem: Macintosh
- Remote Access Using a Modem: PC/Windows

Both the IMC and Computing Center Documents Room (205) have copies of these workshop tapes. Checkout procedures and purchasing details are presented below.

Note: The videotaped workshops will also be shown on campus cable Channel 14, available in the dorms. Stay tuned for scheduling information.

Check-Out and Purchasing

To check out or purchase a videotape, go to the Computing Center Documents Room (205) or the front desk of the IMC in the Knight Library. Note that tapes may not be reserved in advance, and you need a photo i.d. to check one out. If you prefer to buy your own tape, the charge is $10 per tape.

IMC hours are 8 am - 10 pm, Monday through Thursday, and 8 am - 5 pm on Fridays. For more information, call 346-3091.

Documents Room hours are 9:30 am - 5 pm, Monday through Friday. For more information, call 346-4406.

Need Some Survival Skills?

If you're new to the computing world and would like to get up to speed, the CC-EMU Microcomputing Lab's fall "Survival Skills" classes may be just the thing. The CC-EMU lab (22 EMU) is offering introductory computing classes during the second and third weeks of fall term under the topic headings Introduction to Windows and Introduction to Macintosh.

Among other survival basics, these courses provide instruction on getting a class account, reading e-mail, formatting disks, creating documents, and printing.

For workshop schedules and registration information, call 346-0581. Note: You'll need to bring your own blank diskette to class.

Thinking About Dialing In???

If you're interested in establishing a dial-in modem connection to UOnet, the campus network, you might want to attend one of the remote access workshops the Computing Center is offering in October. These introductory classes cover the basics of dialing in from home on either a Macintosh or a PC/Windows system, using recommended dial-in software.

All workshops will be held in the Knight Library's Instructional Media Center, Studio C, which can accommodate 45 students. Classes are free and are offered on a first-come, first-served basis (no pre-registration is necessary). Each one-hour session is repeated at the same time on successive days:

- **Remote Access from a Macintosh**
  - Using InterPPP
    - Thursday, October 3: 1 - 2 pm
    - Friday, October 4: 1 - 2 pm
    - Monday, October 7: 1 - 2 pm
    - Tuesday, October 8: 1 - 2 pm
  - Using MacPPP
    - Thursday, October 3: 2 - 3 pm
    - Friday, October 4: 2 - 3 pm
    - Monday, October 7: 2 - 3 pm
    - Tuesday, October 8: 2 - 3 pm

- **Remote Access from a PC**
  - Using Windows 3.1
    - Thursday, October 3: 3 - 4 pm
    - Friday, October 4: 3 - 4 pm
    - Monday, October 7: 3 - 4 pm
    - Tuesday, October 8: 3 - 4 pm
  - Using Windows 95
    - Thursday, October 3: 4 - 5 pm
    - Friday, October 4: 4 - 5 pm
    - Monday, October 7: 4 - 5 pm
    - Tuesday, October 8: 4 - 5 pm

Questions?

For more information, call 346-441 or send an e-mail message to microhelp@oregon.uoregon.edu
**Speedy New Alphas Arrive**

Four new Digital Alpha 500 systems (named Waterfall, Thunderstorm, Downpour, and River) are now available to Darkwing account-holders. These new systems are intended for compute-intensive applications. They are connected to a Digital Alpha 1000A network file server, and represent a substantial increase in CPU capacity over what is available from Darkwing or Oregon. Together they offer roughly thirty-six times the current CPU capacity available on Darkwing alone.

To access the Alpha cluster, telnet to alpha.uoregon.edu and log in with your Darkwing username and password; all your Darkwing files will automatically be available to you. (Note: Programs compiled on Darkwing under Solaris 2.5 must be recompiled under Digital UNIX to run on the new Alpha systems!)

As the fall term progresses, the staff will continue to add new applications to the Alpha cluster. A list of currently available software is shown under the Alpha column in the table on page 9 of this issue of Computing News. Additional compilers and scientific/technical applications—such as SAS and RATS—will be added as soon as possible. If you're interested in having a particular scientific or technical application available on Alpha, send an e-mail request to hak@oregon.uoregon.edu, describing the program.

Please note that the Alpha cluster will not be configured as a general-purpose Web server, nor will it be usable as a mail- or news-reading host. Any mail sent to your Alpha account will be delivered to your mailbox on Darkwing, instead. Please continue to use Darkwing for these types of general-purpose timesharing applications.

---

**Docs Room Changes Check-Out Policies**

On September 23, the Computing Center Documents Room instituted a new checkout policy on a trial basis. Under the new policy, checkout times are substantially extended for books and videos. Books may now be checked out for two weeks, and videos, for one week. Borrowing limits for magazines remain the same.

All materials may be renewed once, except those that are in high demand (e.g., documents on network-related topics such as the Internet, Java, CGI, HTML, etc.). You may still renew by phone or e-mail.

During this trial period, Documents Room staff will be evaluating the new checkout policy. If you have comments or feedback, contact the staff (phone: 346-4406; e-mail: docsrm@oregon.uoregon.edu), or drop by in person. The Documents Room is located on the second floor of the Computing Center in Room 205. During the academic term, hours are 9:30 am to 5 pm, Monday through Friday.

---

**TeX on VMS**

DECUS TeX95 is now installed on Oregon and is available to everyone. This versatile typesetting software is the de facto standard for formatting complex mathematical and technical documents for printing. For more information about TeX on Oregon, type:

$ type/page tex_disk:texmf/aaaareadme.txt

---

**New Rates for Network Installation**

Due to funding restrictions, the Computing Center's Network Services group recently instituted a charge for new network connections. This charge is for installing new network connections only; there are no fees for network usage or maintenance. Here's the new fee structure:

- Installation of a new network connection $100
- Moving an existing connection $50
- Installation of new wiring time and materials
- Network installation to buildings without current UOnet service time and materials

Comments about this policy change should be directed to Joanne Hugi, Director of University Computing (e-mail: hugi@oregon.uoregon.edu; phone: 346-1702).
<table>
<thead>
<tr>
<th>Type of Software</th>
<th>Alpha Systems</th>
<th>DARKWING</th>
<th>OREGON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics Packages</td>
<td>sas</td>
<td>sas spss minitab bmdp Splus</td>
<td>SAS SPSS SCA PRELIS/LISREL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>eqs rats</td>
<td>SHAZAM SLAM LINDO LIMDEP</td>
</tr>
<tr>
<td>Text Editors</td>
<td>pico vi</td>
<td>pico vi emacs [gnu]</td>
<td>EVE ELVIS (vi) MicroEMACS</td>
</tr>
<tr>
<td></td>
<td>emacs [gnu]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network Software</td>
<td>ftp telnet</td>
<td>pine (e-mail) ftp (remote file transfer) telnet (remote log-in) lynx (Web Browser) trn, tin (USENET News)</td>
<td>PINE (e-mail) FTP (remote file transfer) TELNET (remote log-in) LYNX (Web Browser) TIN (USENET News)</td>
</tr>
<tr>
<td>X Windows-Only</td>
<td></td>
<td>netscape ileaf6 (desktop publishing) coreldraw (graphics)</td>
<td>NETSCAPE MOSAIC</td>
</tr>
<tr>
<td>Programming Languages</td>
<td>c (C language)</td>
<td>c (C language) c++ (C++) f77 (FORTRAN) pc (Pascal)</td>
<td>C FORTRAN (77 and 90) Pascal</td>
</tr>
<tr>
<td>Mathematics</td>
<td>mathematica</td>
<td>mathematica matlab maple</td>
<td>MATHEMATICA</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>rasmol radiance</td>
<td>radiance</td>
<td></td>
</tr>
</tbody>
</table>

1 also available with an X-Windows interface
2 3D molecular models for chemistry instruction
3 ray shading for architecture
What was once a heady free-for-all is now coming up against some sticky copyright and fair-use issues—issues that are far too numerous and complex to be adequately addressed in a single brief article. Instead of grappling with the finer points of law, this article is merely intended to alert the campus community to the importance of taking network copyright issues into account. In the paragraphs below, we identify some of the critical copyright areas you are likely to encounter and refer you to related source material for details.

**Fair Use**

The definition of "fair use" is particularly vital to academia, as copyrighted materials play a significant role in higher education. Over the years, as the concept of fair use was developed by the courts, it was intended to balance the rights of copyright owners with certain uses to the public. Under the U.S Copyright Law of 1976, the "fair use" of copyrighted work is defined as "use by reproduction...for purposes such as criticism, comment, news reporting, teaching (including multiple copies for classroom use), scholarship, or research." Educators should not assume, however, that copying and disseminating Web materials is within the law merely because it is done for educational purposes.

The law includes several tests used in determining whether a particular copying is fair use:

- the purpose and character of the use, including whether such use is of a commercial nature or is for nonprofit educational purposes
- the nature of the copyrighted work (i.e., is it a poem or a textbook?)
- the amount and substantiality of the portion used in relation to the work as a whole
- the effect of the use upon the potential market for or value of the copyrighted work

The courts weigh all four factors. When the UO Library accepts materials for reserve, or the Printing Department produces course packets, they must apply similar standards to minimize the risk of UO liability for copyright violations.

A good source of information on fair use law may be viewed at [http://fairuse.stanford.edu](http://fairuse.stanford.edu) This site, sponsored by Stanford University Libraries, in collaboration with the Council on Library Resources and FindLaw Internet Legal Resources, provides not only a thorough overview of copyright law, but also has links to primary legal source material, judicial opinions, and current legislation, cases, and issues. It also provides links to other copyright information resources on the Internet.

**Multimedia Issues**

The rules for fair use are particularly unclear in the new frontier of multimedia. Note that copyright law protects sounds and images as well as text, and interpretation of the law is increasingly stringent. If you "borrow" an image from the Web and modify it to suit your needs, you are creating a derivative work, and may need permission from the copyright owner of the original.

**Newsgroup Postings**

Many people assume that anything that is posted to USENET is in the public domain and may be freely copied. This is very probably wrong. Copyright applies to newsgroup postings as well as any other publication, image, or sound that is not clearly in the public domain. For discussions on copyright as it affects USENET news publishing, see [ftp://rtfm.mit.edu/pub/usenet/news.answers/net-privacy/](ftp://rtfm.mit.edu/pub/usenet/news.answers/net-privacy/)

**Stay Current!**

Keep in mind that copyright law is likely to change dramatically in the near future. Lobbyists from both the publishing industry and academia are currently involved in attempting to develop guidelines and proposed changes in the law. Several bills have already been introduced in Congress, some of which would radically change the rules as they affect universities.

**When in Doubt...**

The stakes are high and the law is complex. If you're doing anything unusual, or have even a shadow of a doubt about copyright infringement, be sure to get adequate legal counsel.

For More Information... see the list of links pertaining to Web copyright issues at [http://darkwing.uoregon.edu/~jqj/publishing/copyright-notes.html](http://darkwing.uoregon.edu/~jqj/publishing/copyright-notes.html)