

Bye Bye BITNET...

Yes, the UO's connection to the BITNET network really is coming to an end this month. Most campus users are unlikely to notice any substantial changes, since the UO's Internet connection is still in place. BITNET's demise does have some impact, however. Notable changes are described below:

Mail Addressing: Mail to and from BITNET sites will be routed via the Internet, through a BITNET gateway. You should continue to address outgoing mail to BITNET sites in the format *user@host.bitnet*. Then, be sure to notify your BITNET correspondents that they'll need to address e-mail to you in the full Internet address format, *user@oregon.uoregon.edu*. The old incoming BITNET address formats, *user@oregon.bitnet* and *user@oregon*, will no longer get mail to you.

Listserv Lists: If you're a VAXcluster user who subscribes to listserv mailing lists, you'll find that your e-mail address on the lists has already been changed to the Internet format. You can sign up for new lists or modify existing subscriptions by sending e-mail to the appropriate listserv address. Note that you can no longer use the old SEND command for this purpose.

SEND and RECEIVE: While they'll still work for communicating with other VAXcluster users, the SEND and RECEIVE commands will no longer function for communication with other sites. During the next six months, local SEND/RECEIVE functions will also be phased out. The Network Services staff recommends that you consider using FTP or e-mail to transfer files, rather than SEND/FILE.

Student E-Mail Access Improves

Beginning Fall Term, all students will be able to use a new microcomputer-based electronic mail system administered from the CC-EMU Microcomputing Lab. Restricted Accounts, which provided undergraduate students with limited e-mail access on OREGON in the past, will be eliminated.

Under the new system, you'll be able to use a new e-mail server to send and receive messages for as long as you're enrolled at the UO and have a current CC-EMU term pass. Once you've paid your \$10 term lab fee, you may apply for an online "mailbox" by running BRUCE, an online account authorization program.

With this new e-mail option, you'll be able to send and receive e-mail messages—including mail to remote sites on the Internet—from Macintoshes in the CC-EMU lab, using a popular point-and-click mail client called Eudora.

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What Are Students' OREGON/DARKWING Account Options?

Because there is some confusion among UO instructors as to the availability of student class accounts, we'd like to take this opportunity to clarify the Computing Center's account options for students. There are two basic types of computing accounts available to students on OREGON and DARKWING, the UO's timesharing computers:

- **Class Accounts**, for students to complete assignments in particular undergraduate and graduate courses
- **Research Accounts**, for graduate student research

Class Accounts are separate from any other accounts a student may have on OREGON or the DARKWING. Class Account usernames have the form "STnnnn," and are valid only for the term in which the class is offered, making them a poor choice for e-mail use. Instructors interested in setting up a Class Account should contact Connie French, the Computing Center's accounts clerk, at 346-1738 (e-mail: *connie@oregon*).

Research Accounts provide graduate students with all of the resources available on OREGON and DARKWING, including e-mail. Interested graduate students can run BRUCE, the CC's online account authorization program, to apply for a research account. Instructions for using BRUCE are available at no charge in the Documents Room (205). Graduate students may use either their Research Account or a CC-EMU mailbox as their e-mail address (see "Student E-Mail Access Improves," in this issue).

Restricted Accounts, which provided undergraduate students with access to e-mail in the past, will be eliminated for Fall Term, '93. Such accounts were not popular due to their stringent limitations in computing dollars and CPU time. Overcommitment of OREGON's computing resources to research and instruction has prompted us to look at alternative ways of providing students with access to e-mail. ■

MPP Closes for Inventory

The Microcomputer Purchase Plan showroom (Room 202 Computing Center) will be closed for end-of-year inventory on Wednesday, June 30. Regular hours (Monday through Friday from 9 am to 5 pm) will resume on Thursday, July 1.

network notes



cc:Mail Users: How About FAXing Your E- Mail?

Network Services staff recently installed an experimental e-mail-to-FAX gateway for campus cc:Mail users. If you use cc:Mail, you're welcome to try FAXing e-mail messages to your correspondents.

If you'd like to try it out, select "FAX" gateway from the cc:Mail directory. At the prompt, type the recipient's name as you'd like it to appear on the FAX cover page, followed by the string "FAX#" and the phone number to which the FAX is to be sent:

name FAX#phone-number

Since the FAX gateway uses the UO phone system, you'll need to type in the phone number just as you would dial it from a campus phone. For example, to send a FAX to Network Services, you'd type

Network Services FAX#6-4397

To send a long-distance FAX, remember to prefix the FAX number with a "9" to access an outside line. You'll also need to add your UO telephone access code after the phone number. Use "w's" to separate these three components of the FAX number. For instance, if you wished to send a FAX to Senator Edward Kennedy, your address line would look like this:

Senator Edward Kennedy FAX#9w1-202-224-2417w7122356

If you use your telephone access code, be sure to check your long distance phone bill carefully to make sure the billing is correct.

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There are a few limitations to be aware of when using this new gateway. First, it accommodates only *outgoing* messages; cc:Mail users may send, but not receive, FAX messages. Second, FAXes are currently restricted to simple text, which means that most cc:Mail attachments cannot be converted to FAX format.

Support for other file formats, including Postscript, is expected in the next release, as is improved support for sending FAXes from mail systems other than cc:Mail.

Network Services welcomes feedback on this experimental system. Send your comments or questions via e-mail to *nethelp@ns.uoregon.edu*.

Try LAN Workplace with Windows

If you run Windows on your PC, you now have an opportunity to experiment with LAN Workplace, a new network software package that enables DOS PC users to communicate with other computers on the Internet via TCP/IP. LAN Workplace, Version 4.1, is now available for installation at no charge. It is administered on local PCs rather than on a network file server.

LAN Workplace runs on PC, PS/2, and other compatibles connected to the

Internet, and offers programs like Telnet, FTP, and Finger. While LAN Workplace can run under both DOS and Windows, Network Services recommends it primarily for Windows users, since it allows them to perform multiple tasks simultaneously.

To install the LAN Workplace software, you'll need to have DOS v. 3.3 or higher installed. For Windows applications, you'll also need

- Windows v. 3.1
- 4.5 MB RAM
- a 4.5 MB disk drive
- an Open Datalink Interface (ODI) driver

If you run it under DOS alone, you'll need 512KB RAM and a 3.0 MB disk drive.

Note that TNVIP users cannot install LAN Workplace since they depend on running a packet driver.

For assistance installing and using LAN Workplace, call the Network Services Hotline (346-4395) and select the "network consulting" option.

Student E-Mail, continued...

Eudora is widely used here at the Computing Center, and is also favored by many faculty and administrators. We think you'll really like this new e-mail system, and hope you'll give it a try this fall.

Although the new system was set up primarily to serve undergraduates, graduate students may also buy term lab passes and obtain mailboxes on the new server. Some graduate students may prefer to use existing mail facilities

available through their research computing accounts on OREGON or DARKWING. See the article, "What Are Students' OREGON/DARKWING Account Options?" in this issue for more information on graduate student accounts.

Check the "back-to-school" issue of *Computing News* this fall for updates on further developments in student e-mail and other improvements in the CC-EMU lab.

New Books

DARKWING User's Guide Debuts

A new user's guide to DARKWING, the Computing Center's Sun/UNIX timesharing computer, is scheduled for release by the end of June. It introduces DARKWING hardware, the UNIX operating system, and software available to DARKWING account holders. You'll find guidelines for getting started, dealing with files and directories, running applications software, and communicating with other computing systems and sites via network, with a supplementary discussion of DARKWING's support for X terminals and the X Window System.

Like the Center's VAX/VMS and network user's guides, this book

will retail for \$10 a copy in the Documents Room (205). A copy of this edition will be worth \$5 toward the purchase of any later edition of the guide.

VAX/VMS User's Guide Update Coming

An updated edition of the Computing Center's VAX/VMS User's Guide will be released sometime early in July. This edition will reflect the upcoming departure of BITNET and the replacement of WIN/TCP Internet network software with MultiNet. It will also provide information on how to use BRUCE, the Center's online account authorization program, and will discuss other recent changes in VAX accounting policies and procedures.

Like earlier VAX user's guides, this edition will retail for \$10 in the Documents Room, and will be worth \$5 toward the purchase of any later edition. Earlier editions are worth \$5, when traded in, toward the purchase of this new edition.

VAX & DARKWING NEWS

As usual, each term introduces lots of software modifications, upgrades, and new installations on OREGON and DARKWING. Some recent major changes, together with an employment opportunity, are discussed in this month's column.

LIMDEP 6.0 Installed on OREGON

Thanks to Larry Singell of the UO's Economics Department, version 6.0 of the popular econometric package LIMDEP is available on OREGON. If you encounter any problems using this version of the program, contact Joe St Sauver (phone: 346-1720; e-mail: joe@oregon).

S Installed on DARKWING

Bell Lab's popular graphics and data analysis package, "S," is available to DARKWING users. To run the package, type a capital S at the SunOS prompt:

```
% S
```

For online information on S, type

```
% man S
```

Or, you can consult *The New S Language*, a definitive text by Becker, Chambers, Wilkes, and Wadsworth, ISBN 0-534-09192-X, available in the Documents Room.

X Terminal Interface Changes

The X terminals in the Center's Public Terminal Room (105) have been reconfigured to run *xdm chooser* to connect

to a host computer. This means X terminal users can now sit down, click on the host they want to use, log in, and get to work much more easily and quickly than before.

If you're an X terminal user, here are a few things you'll need to do to ensure your *xdm chooser* sessions are trouble-free:

1. **Create additional dot files.** You'll need to create some additional initialization files, as *xdm* doesn't use the same startup files as the old manual process did. Issue the following sequence of commands:


```
% cp /usr/local/X11/motif/.mwmrc $HOME/.
% cp /usr/local/X11/motif/.Xresources $HOME/.
% cp /usr/local/X11/motif/.xsession $HOME/.
```

2. **Keep old dot files.** If you might log in from a non-*xdm* X terminal, you'll need to keep two of your old initialization files:

```
% cp /usr/local/X11/motif/.Xdefaults $HOME/.
% cp /usr/local/X11/motif/.xinitrc $HOME/.
```

If you routinely use a campus host that's not listed in the *xdm chooser* window, contact Jon Neher (phone: 346-1731; e-

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mail: jneher@oregon) to have its name added to the chooser window.

New Gopher Menus

Some Gopher users have expressed concern that recent changes in Gopher menus signal the demise of some of their favorite topics. Not so! Some topics are now listed under different headings, but nothing has been deleted.

Here are the answers to two of the most frequently asked questions about the new menus:

- **What happened to the list of other gopher servers?** Look under "Other Gopher and Information Services" to find the "U Minn List of Other Gopher Servers by Region"
- **Where's the menu of library catalogs accessible via Telnet?** Look down a couple of levels under "Library Resources." Select "Other Libraries via Telnet," followed by "Catalogs Listed by Location"

Student Consultant Needed

The Computing Center's Academic Services group is interested in hiring a student consultant. The position is half-time (20 hours/week), and is non-work study and non-GTF. The new employee must be able to begin work this summer and continue in the position throughout the 1993-94 academic year. Here are the position requirements:

- **Computing:** experience with large systems or workstations running VMS or UNIX.
- **Statistics:** a minimum of one year of basic statistics training, including descriptive statistics and regression/ANOVA. Familiarity with SAS, SPSS, or a similar package is highly desirable. Additional statistical training or experience is a definite plus.
- **Skills:** excellent problem-solving and interpersonal skills, good technical writing ability, strong small-group training skills, a self-starting personality, and good tolerance for stressful situations.

Applications for this position are available from Celeste DeLay in Room 250D Computing Center. To apply, complete an application and return it to Celeste, together with a resume and

the names of three references who are prepared to discuss your qualifications for this position.

BMDP, EQS, MINITAB All Move to DARKWING

As reported in the last issue of *Computing News*, the statistics package BMDP and EQS, a linear structural equations program, will migrate from OREGON to DARKWING during Summer Term.

By the beginning of Fall Term, MINITAB, the elementary statistics package taught in several introductory courses, will also have been moved to DARKWING. If you're an instructor who plans to use MINITAB in one of your classes, you'll need to arrange for a Class Account on DARKWING rather than OREGON. You'll also need to update your handouts to reflect UNIX, rather than VMS, commands. Users will find MINITAB'S new DARKWING environment reassuringly familiar, as it utilizes the same MTB> prompt.

If you have any questions concerning these changes, contact Audun Runde (phone: 346-1714; e-mail: audun@oregon).

New VAX Laser Printers Arrive

The Computing Center recently acquired three Xerox 4213 laser printers to replace its two aging model 4045s. The new 4213s print faster and with higher quality and reliability than the 4045s, and can print two-sided pages. To route a file to one of the new printers, issue a command that looks like this:

```
$ print/queue=sys$laser filespec
```

The printing charge is 6.3 cents per page. Details on how to print two-sided pages will be coming in a future issue of *Computing News*.

One important change...the 4213s are not configured to print PostScript text and graphics as the 4045s were. All PostScript files should now be queued to the DEClaser printer, using the PSP command:

```
$ psp filespec
```

The former PostScript laser printer queuing option, SYSSLASER/SETUP=POSTSCRIPT, no longer works. The cost for printing PostScript output is 20 cents per page.

MicroTips

Mac Tip: If you want to locate the original file that corresponds to an alias, highlight the alias and choose **Get Info** from the File menu. Click the box labeled **Find Original** in the lower right of the Info window. The file's original folder will open, highlighting the file name.

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