UO Departments- We Need Your Questionnaires!

Last May, the Computing Center sent a Computer Inventory Questionnaire to all campus departments in an effort to estimate the number of computer systems and software programs in use at the UO. So far, some 70 departments have returned their completed questionnaires.

The purpose of these questionnaires is to determine whether the UO qualifies for campus-wide site license or volume purchase agreements with major software vendors. However, to apply for such agreements, we need to obtain a larger inventory sample.

A volume purchase agreement could mean significant savings to the campus community for computer products from such companies as Apple, Microsoft, and WordPerfect. Such savings are particularly relevant to system upgrades such as Apple 7.x and MS-DOS 6.x, which are no longer free.

We have distributed another round of questionnaires with a requested return date of mid-October. If you haven't already completed and mailed your forms, please do so now. Address completed questionnaires to Ray Arkin, Computing Center.

If your department has not received a questionnaire and you'd like to participate in the survey, or you have further questions about this project, contact Ray Arkin (phone: 346-1798; e-mail: *arkin@oregon*.)

Discover the CC-EMU Microcomputing Lab

Students looking for a handy, low-cost microcomputing facility on campus should check out the newly renovated CC-EMU Microcomputing Lab. It is located next door to the Arcade and Recreation Center, on the bottom floor of the Erb Memorial Union.

The lab is currently equipped with 65 Macintosh computers, 10 386 DOS PC compatibles, and over 20 popular software packages, including *Excel, Word,* and *PageMaker* for Macs, and *Lotus, WordPerfect,* and *Windows* for PCs. All computers have access to UOnet, the campus network, as well as networked dot matrix and laser printers, and a new electronic mail system called *DuckMail*. UOnet access provides students with the opportunity to tap into such network resources as online library catalogs at the UO and other universities, *Gopher* information servers worldwide, and numerous topical discussion groups on USENET.

A $10 term pass, available at the lab, provides students with unlimited access to the computers and a *DuckMail* account. Those who wish to use the Mac e-mail program *Eudora* with *DuckMail* may either purchase *Eudora* from the lab for $1.20, or copy the program onto their own disk with help from a lab assistant. The *Eudora* disk includes settings for *Eudora*, and for *NewsWatcher*, the Mac news reading program.

Other services, such as laser printing and image scanning, are offered for purchase with "Micro Money" certificates, which the lab sells in $1 and $5 denominations.

Lab hours are as follows:

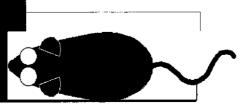|	
• Mon-Thurs	8:30 am - 11 pm
• Friday	8:30 am - 5:30 pm
• Saturday	1 pm - 7 pm
• Sunday	1 pm - 9 pm

For further information, call 346-1769.

Life after BITNET...

As noted in the Summer 1993 issue of Computing News, the UO has dropped its BITNET membership. If you're accustomed to using BITNET, you'll need to make these adjustments:

Incoming Mail: Notify all your off-campus e-mail correspondents to use your *full Internet address*, e.g.,

jdoe@*oregon.uoregon.edu*

Make sure this is the address you give out and have printed on your business card. The old incoming BITNET mail address formats,

user@**oregon.bitnet** and *user*@**oregon**

will no longer get mail to you.

MICRO WORKSHOP SCHEDULE INSIDE...

Micro Purchase Plan Stocks Up for Fall

The Microcomputer Purchase Plan (MPP) is stocked up and ready to go for Fall Term. Visitors to the Microcomputer Support Center showroom (202 Computing Center) will find a wide selection of up-to-date hardware on display from Apple, Dell, Hewlett-Packard, and Supra, together with software from Adobe, Aldus, Claris, Lotus, Microsoft, WordPerfect, and others.

Current Macintosh back-to-school specials from Apple include

- Color Classic 4/80
- Centris 610 4/80
- LC III 4/80
- Centris 610 8/230 with CD-ROM
- LC III 4/160
- Centris 650 8/230 with CD-ROM
- PowerBook 145B 4/80
- Centris 660av 8/230 with CD-ROM

The MPP has lots of these systems in stock. All models include a monitor and a keyboard, and buyers will also receive two free CD-ROMs, while supplies last. Special pricing on these systems is good through October 13, 1993.

In addition, a few PowerBook Duo 230 4/120 portables with express modems are still available, while supplies last. The MPP also stocks the recently-announced Newton Message-Pad "personal communications assistant" from Apple.

Dell enthusiasts will be able to choose from an extensive product line, including the new NetPlex and Opti-Plex systems. Many of these systems are featured in special back-to-school bundles and are in stock.

NetPlex products are a series of full-function, low-cost network nodes that complement the 4000/XE servers recently announced by Dell. The new NetPlex systems feature significant technological advances and abundant component choices, including optional pre-installed network cards, custom configurations, and the ability to upgrade to a full line of Intel OverDrive processors.

The new OptiPlex desktop computers are geared to be high-performance workstations or application servers. They offer networking with superior performance and a revolutionary level of upgradeability—all the way to the Pentium OverDrive Processor. With OptiPlex, you have a choice of an L chassis with three 16-bit slots and three drive bays, or the MX chassis with five 16-bit slots and five drive bays. OptiPlex also provides convenient service access through advanced chassis design and standard on-site warranties of up to three years, among other features.

Life after BITNET, continued...

Outgoing Mail: When sending e-mail to a BITNET site, make sure you include a "bitnet" suffix (e.g., *jdoe@cunyvm.bitnet*) so that it will be properly routed to a BITNET-Internet gateway. Otherwise, your message will not reach its destination.

SEND and RECEIVE Commands: During the next few months, these commands will be phased out altogether. They are no longer viable for exchanging files with BITNET sites, so you'll need to use FTP or e-mail instead.

For additional information on these and other products offered through the MPP, stop by Room 202 between 9 am and 5 pm, Monday through Friday. Or, read the *Microcomputer Purchase Plan* files available via Gopher under *DuckScoop/Computing Center.* You can also direct your questions about pricing and product availability via e-mail to *mpp@oregon,* or call 346-4402.

Need a Microcomputer Consultant?

Get Help Via E-Mail

If you are stumped by a microcomputing problem and need consulting advice, you can now get assistance via e-mail. Microcomputer Consulting and Services has established an e-mail address to alleviate pressure on their consulting phone line, and to better serve the increasing number of people who have Mac and PC questions.

If you have a question that doesn't require an immediate answer, try sending an e-mail message to *microhelp@oregon,* describing the problem. A consultant will respond to your query within one working day. Questions regarding hardware or software orders should be directed to *mpp@oregon.*

If you have further questions, stop by the Microcomputer Consulting and Services office (Room 202A) or call 346-4412. The office is open Monday through Friday from 9 am to 5 pm.

network notes

From the Director...

There have been dramatic changes in networking at the UO in the last year, and if anything, the pace of change is increasing. Some highlights of the past year include

* a 20-fold increase in the speed of our connection to the Internet

* dropping our BITNET membership

* expansion of UOnet to essentially every academic and administrative building on campus

* replacement of network wiring in many buildings

* expansion of our *DuckScoop/* Gopher campus-wide information system

Perhaps most important to the typical faculty member has been *SNEP* (the Strategic Network Expansion Project), a University-funded project to bring network connectivity to every faculty member on campus by the end of this year. We've introduced a variety of new network services, including new VAX software for managing large public mailing lists, an online directory that includes students as well as faculty, and an e-mail-to-FAX gateway. We have also purchased site licenses for critical network software for PCs (e.g., *LAN WorkPlace* and, most recently, the *Trumpet* news reader) and Macintosh (most recently, the latest version of *MacTCP*). The next issue of this newsletter will list the latest recommendations for PC and Mac network software.

There are also tremendous changes brewing in national networking. President Clinton's "National Information Infrastructure" is receiving increased press and congressional attention. NSF funding for NSFnet is in flux, commercial Internet services are evolving rapidly, and the differences between telephone companies, cable TV providers, and "value added" network service providers are beginning to blur. One of the more interesting developments in national networking has been the establishment of Internet e-mail addresses for the President (*president@whitehouse.gov*), Vice President, and several members of Congress (unfortunately, not yet including any of the Oregon delegation).

Another recent development is the increased availability of commercial databases on the Internet. On this campus, we are exploring site licensing of several such databases. Among the databases newly available at the UO through Gopher are:

* OCLC's *FirstSearch*, a large computerized database of citations to books and journal articles from many disciplines

* *Federal Register*, a database licensed for administrative use only. (If you are a faculty member interested in online access to the *Federal Register*, contact me at 6-1746.)

* the *Oregon State Price Agreements*, a database of all State purchase contracts.

The winds of change are blowing. We can expect campus and national networking to evolve quite rapidly over the next few months. Watch this newsletter for continued analysis of the changes as they affect the UO.

- JQ Johnson

Try *Mailserv* for Group Mailings

E-mail aficionados now have a new medium for group discussion and information dissemination called *Mailserv*. This new mail distribution facility, which is similar in concept to BITNET's popular Listservs, was recently installed on OREGON.

Mailserv joins USENET News and Gopher as an electronic publishing and mass communication tool, and provides an attractive alternative to campus or US Mail mass mailings. While *Mailserv* is particularly useful for group discussions, it's also a good alternative to VMS MAIL's ".DIS file" announcement-style distribution lists.

It is not necessary to have a VAX account to use *Mailserv*. The program's commands are sent via e-mail, so anyone with mail access (e.g., *Eudora, cc:Mail*) can use it. Each *Mailserv* list has a name up to 12 characters long that is associated with a list of e-mail addresses. For example, suppose you created a *Mailserv* list named *politics* and associated it with a list of 100 people. Whenever anyone sends a message to *politics@oregon.uoregon.edu*, an e-mail copy of the message is automatically sent to all 100 people on the list.

Mailserv provides a number of tools for managing mailing lists. Lists can be set up so that anyone may issue a **subscribe** command to become a member, or restricted so that applicants may be screened by the list's creator. Likewise, posting privileges can be left open to anyone, or restricted to list members only, the list owner, or a select list of people.

If you're interested in starting your own *Mailserv* list, you'll need assistance from University Computing. Applications are available in the Computing Center Documents

3

WHAT'S NEW ??

New Microcomputer Purchase Plan Form Expedites Departmental Orders

The Microcomputer Purchase Plan (MPP) recently mailed a streamlined, one-page Departmental Order Request form to all UO departments. The form is designed to expedite orders paid for by electronic Journal Vouchers (JVs). Departments that have not received this form may request one by sending an e-mail message to *mpp@oregon*, or by calling 346-1753.

Here's the current ordering procedure:

1. Complete the Order Request Form. Fill in the product descriptions and account number(s) to be charged. (Note that the MPP now issues invoices for UO Foundation requests or other funding.) Get a Departmental Approval signature for each request, as well as the name of the person responsible for completing the Equipment Inventory CO-350 form.

2. Mail or hand-deliver the completed form to the MPP (202 Computing Center). You'll get an acknowledgment via campus mail (or e-mail, if requested). Note the MPP order number and refer to this number when making inquiries.

3. Complete the CO-350 Inventory Form. When your order is filled, the JV is recorded electronically and a hard copy of it is mailed to the person who handles your CO-350 form. A second copy of the order form is attached, complete with serial numbers for each product and the signature of the person who picked up the merchandise for your department. Complete the CO-350 form, indicating its corresponding JV number, and forward it to Oregon Hall.

Full price, product, and ordering procedure information is available on Gopher in *DuckScoop* under the *Computing Center: Microcomputer Purchase Plan* menu entries. You may also call 346-4402 for ordering information, or send your queries via e-mail to *mpp@oregon*.

If you need further assistance, contact Sue Cox (phone: 346-1753; e-mail: *suecox@oregon*).

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New Laser Printers

The two Xerox 4045 laser printers formerly available to VAX and DARKWING users have recently been replaced with three new Xerox 4213's. The new printers offer better print quality, higher speed, improved reliability, and two-sided printing capability.

To produce two-sided, head-to-head pages on the new printers, append the qualifier /setup=duplex to your print commands, i.e.,

$ print/queue=sys$laser/setup=duplex *filespec*

Use /setup=tumble instead if you want two-sided, head-to-tail pages.

All Xerox mode output (i.e., 2700 or XES), including downloadable signature fonts, function the same with the new printers.

Note PostScript Printing Changes: Because the DEClaser 3250 printer and associated DECprint software provide a better PostScript environment, the new Xerox laser printers do not have the extra-cost PostScript option that was installed on the old 4045's. Therefore, those who wish to print PostScript files should now use the PSPRINT command exclusively:

$ **psprint** *filespec*

The command
$ print/queue=sys$laser/setup=postscript
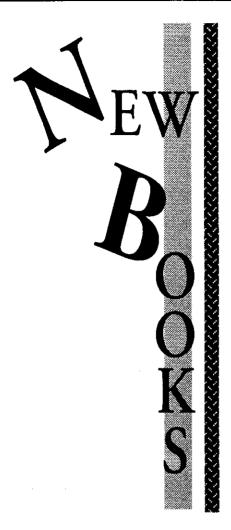no longer works.

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Mailserv, continued...

4

Room (CC 205; phone 346-4406) and on Gopher in *DuckScoop* under *Computing Center: Network Services: Group Communication Tools*.

Because of the effort involved in setting up these lists, this service will be restricted initially to lists that will be in active use for at least one year. We are looking for ways to extend this service to shorter-lived lists (e.g., for one-term classes). Keep an eye on *Computing News* for future developments.

For more information, see the handouts titled "Mailserv Basics" and "MAILSERV@OREGON.UOREGON.EDU." Both are available at no charge in the Documents Room, and on Gopher in *DuckScoop*.

NEW BOOKS

New Computing Center Publications

Fall Term brings new editions of two Computing Center user's guides, as well as a new guide to the Center's facilities and services. Here's a current wrap-up of Center publications:

• A new edition of the *VAX/ VMS User's Guide* presents enhancements and changes to VAXcluster hardware and software through Summer Term. It features a complete revision of the network software chapter and reflects the departure of the UO's affiliation with the BITNET network and the replacement of WIN/TCP Internet software with MultiNet. Earlier editions are worth $5 toward the $10 purchase price of this new version.

• The second edition of the *Network User's Guide* reflects changes and additions to network software and resources for a variety of platforms through Summer Term. It introduces new Macintosh and PC dial-in network programs and *LAN Work- Place*, an icon-based Internet software package for high-end PCs. References to BITNET and WIN/TCP software have also been deleted from this book. Like the VAX guide, copies of the first edition of this book are worth $5 toward the $10 purchase price.

• A new booklet titled *Guide to the UO Computing Center* introduces the computing facilities available to the UO community through the Center, the services provided by the Center staff, and various procedures and policies of interest to Center users. Copies are available for $1.

• The first edition of the *DARKWING User's Guide* was released early in Summer Term. DARKWING is a Sun/UNIX timesharing computer slotted for compute-intensive academic applications. This guide introduces DARKWING hardware and software, the UNIX operating system, and support for the X Window System.

In addition, the Center's VMS MAIL write-up, "Electronic Mail for VAX/VMS Users," has been substantially revised. All Computing Center publications are available for perusal, check-out, or sale in the Documents Room (205).

DOS Public Domain Revamped

Campus PC users will discover that the DOS Public Domain library has a whole new look this fall. Upgrades, new programs, and a new menu system have contributed to the makeover. Here are the highlights:

• a PC-SIG CD-ROM ugrade to version 12, adding hundreds of new programs and a new graphical, mouse-supported interface

• numerous program updates, including the latest McAfee anti-viral software

• Direct Access Network, a new menu program from 5th Generation Systems

To access the DOS Public Domain Library, type

F:\> **login zeus/pd**

at your network prompt. If you don't have other access to a networked PC, you may reserve one in the Microcomputer Consulting and Services office (Room 202A, phone 346-4412).

5

FALL WORKSHOP SCHEDULE

Each term University Computing offers short introductory workshops on a variety of computing topics. These non-credit workshops are open free of charge to UO faculty, staff and students. This term's workshop schedule is outlined below. Pick up a flyer at the Microcomputer Consulting and Services office (Room 202A) for brief descriptions of the workshops.

Pre-registration is required for all courses. To pre-register or get more information, call 346-4412.

Workshop	Day/Date	Time	Room
Introduction to Macintosh	Tu Oct 5	11am - 1pm	B13 Klamath, Lab B
	Fri Oct 8	9am - 11am	B13 Klamath, Lab B
Intermediate Macintosh Topics	Mon Oct 11	2pm - 4pm	B13 Klamath, Lab B
	Mon Oct 18	1pm - 3pm	B13 Klamath, Lab B
Introduction to Microsoft Word for Macintosh	Fri Oct 15	9am - 11am	B13 Klamath, Lab B
Advanced Topics in Microsoft Word for Macintosh	Fri Oct 22	9am - 11am	B13 Klamath, Lab B
Merging with Microsoft Word 5.x for Macintosh	Tu Nov 2	10am - noon	185 Computing Center
Introduction to DOS	Mon Oct 4	2pm - 4pm	165 Computing Center
	Tu Oct 12	3pm - 5pm	165 Computing Center
Introduction to Windows	Tu Oct 5	3pm - 5pm	165 Computing Center
	Wed Oct 13	3pm - 5pm	165 Computing Center
Introduction to WordPerfect for DOS	Th Oct 7	11am - 1pm	165 Computing Center
Advanced Topics in WordPerfect for DOS	Mon Oct 11	10am - noon	165 Computing Center
Converting Files (both Mac and DOS systems)	Tu Oct 26	2pm - 4pm	185 Computing Center
File and Disk Management with Windows	Tu Oct 26	10am - noon	185 Computing Center
Introducing WordPerfect 6.0 for DOS!	Th Oct 28	10am - noon	185 Computing Center

VAX & DARKWING NEWS

For the benefit of new faculty and students, we're devoting this column to summarizing the resources of the VAXcluster and DARKWING, the UO's timesharing computers.

What's the VAXcluster? The VAXcluster is an array of VAX computers available to UO faculty, graduate students, staff, and classes for research, instruction, and administration. Its primary components are two large-scale computers that run the VMS operating system:

- OREGON, for academic computing and network communications

- DONALD, for BANNER and other administrative applications

What's DARKWING? DARKWING is a Sun/UNIX computer that offers academic faculty, graduate students, and classes an alternative academic and research computing resource to OREGON, especially for compute-intensive applications.

Getting an Account. Academic faculty and graduate students can apply for an account on OREGON or DARKWING by running an online account authorization program. Instructions for using this program are available at no charge in the Documents Room (Computing Center 205), and are outlined in the VAX/VMS and DARKWING user's guides.

Instructors wishing to set up an OREGON or DARKWING account for their classes should contact Connie French, the Computing Center's accounting clerk, at 346-1738 (e-mail: *connie@oregon*). Undergraduate access to OREGON and DARKWING is limited to class accounts. Undergraduates wanting general e-mail access should investigate *DuckMail* (see the CC-EMU article in this issue for information on *DuckMail*.)

OREGON, DARKWING, and other timesharing computers on campus are available through direct or dial-in connections to UOnet, the campus network. Dial-in AppleTalk and Novell networks provide off-campus Mac and PC users with access to UOnet timesharing hosts.

Consulting. If you have questions about basic VMS or UNIX commands, network and communications software, statistics, programming, or X Window applications, consulting help is available. Call 346-1758, or send your question via e-mail to *consult@oregon* or *consult@darkwing*. You may also drop by the consultants' offices in Rooms 233-239 for help during business hours (Monday through Friday, 9 am - 5 pm).

On-Site Instruction. Consultants also offer on-site instruction for groups of new OREGON and DARKWING users, as resources permit. Instructors needing such assistance for their classes may request it by calling Audun Runde at 346-1714.

Documentation. The Computing Center Documents Room (205) stocks a variety of user's manuals, chapter-length software write-ups, and quick-reference handouts pertaining to OREGON and DARKWING.

Online help is also available. To see a display of information on a specific topic, type

$ help *topic* (OREGON)   or   % man *topic* (DARKWING)

Software. The table on the following page shows software that is currently available on OREGON and DARKWING. For Sun workstation users, we've also listed the UO's campus-wide, site-licensed Sun software.

- Joe St Sauver

NEWSRDR Supplants VNEWS

Due to its unreliability and excessive drain on resources, the VAX/VMS USENET news reader, VNEWS, is being replaced by a program called NEWSRDR. NEWSRDR offers a VMS-friendly interface quite similar to the MAIL utility's, and provides access to more than 2000 USENET newsgroups.

While VNEWS will remain on the VAXcluster until the end of Fall Term, 1993, regular USENET News users are urged to switch to NEWSRDR now. For more information on NEWSRDR, type

$ help **news**

Surplus Plotter Available

The Computing Center has a surplus pen-and-ink plotter available for transfer to a campus department that employs graphics applications. For more information about the plotter's features, contact Fred Beisse (telephone: 346-1735; e-mail: *fbeisse@oregon*).

Software Available on OREGON and DARKWING

Type of Software	DARKWING	OREGON
Statistics Packages	SAS (almost all products) SPSS MINITAB BMDP IMSL EQS New S (but not Stat Sci's S Plus)	SAS (Base and Stat only) SPSS LISREL 7/PRELIS SCA SHAZAM LIMDEP RATS IMSL
Symbolic Mathematics	Maple	MAPLE (older version) REDUCE
Compilers/Libraries	*cc* and *gcc* Pascal C++ and G++ PHIGS DevGuide SunVision *f77* FORTRAN XGL Motif NCAR Graphics	C Macro COBOL Pascal FORTRAN PROLOG IMSL Exponent Graphics NCAR Graphics
Text Editors	*vi* *gnu emacs* *nu/tpu* (EVE/EDT emulator) *pico* X Window editors	EDT EVE EMACS (Micro and Gnu) VI (emulated) TECO
Network Software	*archie* *pine* (mail) *elm* (mail) *rn* *ftp* *telnet* *gnus* *tin* *gopher* *trn* *mail* *xmail* *mh* *xrn* *nn*	MAIL FTP FINGER GOPHER NEWSRDR TELNET WHOIS
Miscellaneous Software	Interleaf 5 (X Window typesetting) TeX/LaTeX (technical typesetting)	EXSYS Pro (expert system shell) LINDO (linear programming) ODYSSEY (geographic info) SLAM II (simulation) TeX/LaTeX

Software for Sun Workstations:

All campus Sun workstation users who contribute to the UO's Sun Software Support contract have access to the following software:

Operating Systems: Solaris 1.1, Solaris 2.X

Applications: Sun XGL, Sun PHIGS, Interleaf, Motif 1.2, NCD X terminal software, NCAR Graphics for UNIX, SAS*
(*note: unlimited number of users on limited number of machines)

Languages: Sun FORTRAN 1.4, SPARCompiler FORTRAN, Sun C 1.1, SPARCompiler C, Sun C++ 2.1, SPARCompiler C++, Sun Pascal 2.1, SPARCompiler Pascal, SPARCworks (debugger/source code browser, etc.)

8