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Anyone who spends much time at the UO has probably noticed one or two intent individuals dashing across campus rapidly speaking into a two-way radio. Others may have observed someone alighting from a van with cables looped over one shoulder—also half-running, half-walking, and clutching a radio.

Who are these guys?

They're members of the hardworking, troubleshooting Computing Center Network Services crew led by Dale Smith, and no wonder they're running! Their schedule these days is enough to make anyone pick up the pace.

In addition to maintaining the network connections for 100 buildings, 6000 computers, and the Computing Center's ever-expanding modem pool, as well as evaluating and maintaining networking software for both PCs and Macs, Network Services is currently juggling nearly a dozen other major projects:

New Modems

Network Services is collaborating with Telecommunications Services to install a new, more efficient style of modems on campus that use special "channelized" interfaces to the phone system.

Dorm Networking

Working closely with the Office of University Housing and Telecommunications Services, the Network Services group is overseeing the wiring of every dorm room with cable TV, new phone wires, and two data wires. The new wiring will be used to install Ethernet connections. Riley Hall and University Inn should be fully networked by summer's end, and eventually other dormitories will follow.

Metricom

The UO is currently negotiating with Metricom, Inc., a manufacturer based in Los Gatos, California, to install an innovative wireless network that will provide access to UOnet and the Internet. Called "Ricochet," this network offers speed and service that is roughly analogous to existing v.32bis and v.34 modems. Moreover, Ricochet can be accessed from anywhere—whether users are sitting under a tree outside PLC or at a table in a local coffee shop.

Law School

This fall, the UO Law School is requiring incoming freshman to have an Ethernet-capable laptop Macintosh system. Since December 1994, Network Services has been working to provide the networking infrastructure to support these systems. By September, network connections should be completed for almost every study desk in the Law Library, as well as the Law School student lounge and other public areas.

NERO

Funded by a NASA research grant to the Oregon Joint Graduate Schools of Engineering, the Network for Engineering and Research in Oregon (NERO) project is a collaborative effort between educational institutions, government research organizations, and private industry. The project's goal is to realize the kind of high-speed, high-bandwidth connections that can facilitate valuable multimedia information exchanges between participants worldwide. As reported in last month's issue of *Computing News*, Network Services continues to design, test, and refine the network "backbone" that supports NERO.

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'Used Computer Exchange' Benefits Buyers, Sellers

Trying to sell that printer you don't need? Want to buy a used computer? Advertise for free in the Microcomputer Support Center's Used Computer Exchange!

The Used Computer Exchange is a way for buyers and sellers of used computing equipment to advertise without the expense and hassle of placing newspaper ads. All you have to do to participate is fill out a form. Forms are available in the Purchase Plan showroom (Microcomputer Support Center, Room 202 Computing Center). Once your form is filled out and returned, Purchase Plan staff will type up your ad and make it available to potential buyers.

Shopping for used equipment is even easier: just browse through the Purchase Plan's notebook of advertisements for the item you desire.

The Purchase Plan office is open Monday through Friday from 9 am to 5 pm.

Wired *continued* ...

Lane Education Network

Last October, the UO and a number of other regional partners were awarded a \$500,000 grant from the National Telecommunications and Information Administration (NTIA) to form a new "Lane Education Network." Using this grant money, Network Services has built a network that provides service to several local agencies and firms, including the City of Eugene, Dynamix, Lane Community College, Oregon Public Networking, and all the local K-12 school districts.

High-Speed Networking

Network Services continues to explore various technologies for high-speed networking, including

- FDDI/CDDI - a mature, 100Mbps networking technology that performs well in a UNIX/NFS environment
- 100VG-AnyLAN and 100baseT - two new 100Mbps networking technologies that use Ethernet framing but run at ten times the speed of Ethernet
- ATM (Asynchronous Transfer Mode) - a very new networking technology that runs at various speeds and utilizes very small cells, in contrast to the large packets used by other technologies

Network Services has been testing various hardware components and interface cards that implement these technologies, and is working toward providing the campus with access to higher-speed network capability.

Pine Mountain Observatory

As part of the ongoing NERO project, Network Services is collaborating with Greg Bothun, a UO physics professor and director of the Pine Mountain Observatory, to install a network connection to the 24-inch telescope dome. This connection will give authorized users real-time access to the telescope, and allow other users to access a large archive of images.

What's New in the Docs Room?

Looking for some desktop publishing or multimedia inspiration? Whether you're interested in learning the latest masking techniques, developing 3-D graphics, or gleaning tips on creating spinning logos, you're likely to find what you're looking for in the Computing Center's Documents Room library (205).

The Documents Room has added half a dozen new magazines to its inventory, and more are on the way. Many of the new acquisitions target desktop publishers and online graphics designers. New titles include

- PC Graphics and Video
- Corel Magazine
- IW (Imaging World)
- Communication Arts
- Inside Netware
- OS/2 Magazine
- Exploring Windows NT (coming)

Stop by the Documents Room and take a look. Summer hours are 9:30 am - 5:00 pm, Monday through Friday.

Apple Printer Rebate

During the month of June, Apple is offering a \$100 rebate when you purchase an Apple LaserWriter Select 360. If you buy a computer (Macintosh or Windows) and a printer, Apple will double the rebate to \$200.

This offer ends June 30. For more information, call 346-4402 or stop by the Microcomputer Purchase Plan showroom (Microcomputer Support Center, Room 202 Computing Center) between the hours of 9 am and 5 pm, Monday through Friday.

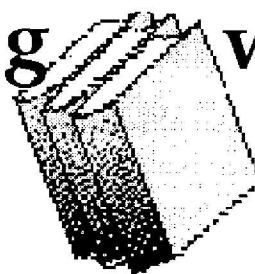
Security Reminder for Filesharing Workstations ...

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If you're working on a platform that supports peer-to-peer networking and filesharing (such as *Windows for Workgroups*, *Windows 95*, *Windows NT*, or *Macintosh System 7*), be sure your files are password-protected. In a filesharing environment, unprotected files are easily available to anyone who can access your machine. You can control unauthorized copying or reading of shared or exported files by creating passwords to protect file directories.

For more details on password protection, see your operating system manual or online help files. A variety of informative manuals and handouts are also available in the Computing Center Documents Room (205).

Try One-Stop Shopping with Orbis Library Database



Researchers and bookworms all over Oregon were recently given a boost by the advent of *Orbis*, a computer system that provides "one-stop shopping" at the libraries of seven Oregon universities and colleges. The system's express goal is to enhance education and economic development by making the information resources of Oregon's academic libraries more widely accessible to its citizens.

Member libraries currently include those of the University of Oregon, Eastern Oregon State, Linfield College, the Oregon Institute of Technology, Southern Oregon State, Western Oregon State, and Willamette University. Over the next few months, complete holdings of four new member institutions (George Fox College, Lewis and Clark College, Reed College, and the University of Portland) will also be added. *Orbis* merges member databases into one catalog that provides access to over two million items—including books, sound recordings, scores, maps, videotapes, and films.

The service features quick, easy access to information via keyword searching, a separate index of journal titles, and subject headings from all sources, including the Library of Congress, national libraries of medicine and agriculture, and children's literature. Information is continually updated, and *Orbis* browsers can locate details for each member library, such

as the local call number and current status of each item.

In the future, *Orbis* envisions implementing online interlibrary loan requests as well as automatic verification of borrowing privileges and item availability. A reference database service that would provide either full-text or journal article citation databases is also in the works.

There are several ways to access *Orbis*, depending on your platform. If you are already associated with a member library, you may connect to

your local library system, then select an *Orbis* search. (For example, if you're using Janus, the UO Library's information server, select

U>Search Orbis UNION Catalog from the Janus menu.)

You may also access *Orbis* directly via *Telnet* at *orbis.uoregon.edu*, or the World Wide Web at URL

<http://www-vms.uoregon.edu/~libsys/hporbis.html>



Explore Computing Center Publications on the World Wide Web

Prefer getting your information from cyberspace? In case you haven't looked lately, *Computing News* and numerous other Computing Center publications on a variety

of topics are available on the World Wide Web via the Computing Center's home page. (You can access this page from the UO's home page, or by opening URL <http://darkwing.uoregon.edu/~cchome>) Information is continually updated, and new documents are being added all the time.

You can access Computing Center publications on the Web either by selecting "Documentation" from the Center's home page menu, or by opening URL

<http://darkwing.uoregon.edu/~cchome/documentation/documentaton.html>

In addition, this menu features information on the Computing Center Documents Room, and will soon have links to online documents at other sites, help files, and UNIX "man" pages.

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SUMMER WORKSHOPS

The Internet Curriculum...

During summer term, the UO Library is again offering workshops on a variety of Internet topics. These free 90-minute workshops are offered to UO faculty, staff, and students on a first-come, first-served, basis. *No preregistration is required, but seating is limited.* Note that requests for accommodation related to disability need to be made to 346-1880 one week in advance of the workshop.

Workshop schedules and course descriptions are posted in the Knight Library and have been distributed to all UO instructors and GTFs. All courses listed below will be held in the **Knight Library's Electronic Classroom (Room 144)**, unless otherwise indicated (ITC*). For more information, call 346-1935, or browse the World Wide Web URL <http://www.vms.uoregon.edu/~rpaynter/class.html>

Workshops	Day/Date	Time	Presenter(s)
<i>Introduction to the Internet</i>	Wed June 21 Thu July 6 Fri July 14 Thu July 20	4:30pm - 6:00pm 3pm - 4:30pm 10am - 11:30am 11am - 12:30pm	Frantz Slight-Gibney, Brinkerhoff Slight-Gibney, Robare Jenkins
<i>Introduction to the World Wide Web</i>	Thu June 22 Fri June 30 Wed July 5 Tue July 11	3pm - 4:30pm 2pm - 3:30pm 3pm - 4:30pm 1pm - 2:30pm	Klos, Stark Watson Crumb, Paynter Klassen
<i>Introduction to Web Publishing</i> For Mac users (ITC*) For PC users (Knight Library Room 144)	Fri July 7 Wed July 12	1pm - 2:30pm 1pm - 2:30pm	Johnson, Turk Brownmiller, Turk
<i>Intermediate Web Publishing</i> For Mac Users (ITC*)	Wed July 19	1pm - 2:30pm	Johnson, Turk
<i>Educational Resources on the Internet</i>	Fri July 14 Wed July 19 Tue July 25	noon - 1:30pm 3pm - 4:30pm 3pm - 4:30pm	Lenn Lenn Lenn
<i>E-Mail Using Pine</i>	Wed June 21 Fri June 23	9am - 10:30am 3pm - 4:30pm	Starr Starr

**ITC = Information Technology Center classroom, on the second floor of the Knight Library*

Internet Resources in the Sciences...

Two one-hour workshops are being held in the **Science Library Conference Room**. (The Science Library is located just north of the courtyard between Cascade and Pacific Halls.) Seating is limited, so attendance is on a first-come, first-served basis. If there is more demand for a class than seating permits, additional workshops will be scheduled. Note that requests for accommodation related to disability need to be made to 346-3075 one week in advance of the workshop. For more information, send an e-mail message to sciref@darkwing.uoregon.edu

Workshops	Day/Date	Time	Presenter
<i>Introduction to the QuickTake</i>			
<i>Digital Camera</i>	Tues June 20	3:00pm - 4:00pm	Tim Klassen
<i>Scanning</i>	Thu July 6	3:00pm - 4:00pm	Tim Klassen

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