

COMPUTER

Users Source Electronic Repair Service
Commodore • Amiga • Arche • Star • Novell Certified Retailer

CUI Advantage 286/12
IM expandable to 4M • 1.2 Floppy Drive • 40M Hard Drive • Ports: 2S, 1P, 1G • 101 Keyboard • 3.3 DOS & Mouse • Video Controller • **\$995.00***
• Monitor: Cost + 10%

AMIGA Education Purchase Program for all Faculty, Staff and Students
As Low As \$699.00

All Packages Include:
Color Monitor,
CPU &
Software



*Price Subject to Change

135 N. 5th, Springfield 726-8500 • Fax service available

In Touch with the Computing Center

REACHING THE WORLD

The unseen men of network services keep UO in contact with the nation and world via cable



Donald Williams, left, and David Meyer, right, look over some network equipment at the Computing Center.

They are the invisible people. They exist underground and behind walls. While students are in classes and teachers and administrators are working at their desks, the workers remain in hiding.

"If we're doing our job, nobody notices us," says Dale Smith.

And because of their invisibility, their job is even harder. For the four network service analysts and engineers of the Computing Center take care of the more than 600 computers connected to networks on the University campus.

Networking, a recent hot topic in computing, is the process of communicating with other computers via modems or cables.

"The majority use computers to manage information," says Smith, the assistant director of network services.

"We provide the ability for computers to exchange information."

Three years ago network services had only 30 computers in two buildings. One-and-a-half years ago, there were 600 in 20 buildings. They haven't been counted recently, but Smith says there has been an enormous growth in the networkers on campus in the last few years. The networkers now connect to virtually every building on campus, and a few off.

Smith conducted a survey about nine months ago that said 3,000 to 4,000 users sent electronic mail to communicate with the outside world each day. It has doubled since then.

If the network service analysts are ever seen, they are the men walking back and forth across campus with walkie talkies, pagers and a case of equipment. They fix the problems users are having with the networks,

problems with the electronics and the fiber optic cables. They are responsible for everything from the Oregon Hall administrators wanting to admit a new student to the athletic departments computerized ticket sales.

"It's very difficult to dig through and find what's wrong," Smith says. "The hardest problem for the user is knowing how to use the computer. The network is rather straightforward; it's computers that are difficult to use."

David Meyer, a network service analyst, says he can think of a number of things that could be wrong when a user can't log onto a network. "The most frequent problems are not with the infrastructure but with the individual set-ups or computers," he says.

All the networks are monitored by computer and the analysts can tell

when something goes wrong.

"Our goal is to notice there are problems before the user notices there are problems," Smith says. "We keep a close watch on the networks and many times we'll get a call saying something doesn't work and we're already out there fixing it."

There are three primary networks people on campus can use. The School of Education was given a half million dollar grant in 1987 to begin UOnet. Through UOnet, which is accessed through the Computing Center's VAX computers, users can communicate (by fiber optic cables) with others in the University who are on the network. This allows for easier research and the ability to send electronic messages or even look in the library's Janus system.

The second popular network is NWnet which is a consortium of ten

universities in the northwest, Montana and Alaska. Communication is accessible the same way as UOnet and is helpful for research and communication with other professors and administrators.

Internet is the international network available to the campus. Users can hook up to computers in more than half a million different countries simply by logging into the VAX system and then into Internet.

"It's going to become more pervasive," Smith says. "Soon everybody will be on the network and the network will have to run much faster."

Smith adds that the job for network services is never that easy. "We're an invisible organization but it's a massive operation all over campus," he says. "We push the technology every day."

—Anna Rembecki

**Spring 1991
DUCK
BUCKS**

Coming soon!
Deadline: Monday, March 4, 1991

SMITH CORONA
TOMORROW'S TECHNOLOGY AT YOUR TOUCH

Ask About Rent to Own! **LAPTOP PERSONAL WORD PROCESSOR**

PWP 7000LT
Sophisticated Features In A Compact Design

LIST PRICE: \$899.00
POWERPACK: \$79.95
\$978.95

On Sale!! \$699.00
(Offer good through March 5th)

Display / Memory / External Storage

- 16 Line By 80 Character Backlit LCD
- 50,000 Character Editable Memory
- Built-In Disk Drive
- 100,000 Character DataDisk Storage

Grammar-Right System™

- Spell-Right™ 90,000 Word Dictionary
- Word-Right™ Auto Spell™
- Thesaurus/Word Count
- Word Alert™
- Phrase Alert™
- Punctuation Check™

Word Processing Functions

- Block Copy, Move, Delete and Insert
- Search and Replace
- Address Merge™
- Headers and Footers
- Undo/AutoSave
- Tutorial Disk

Options

- CoronaCalc™ Spread Sheet
- Sheet Feeder
- Rechargeable Power Pack

Other Features

- AC Adapter
- RS232 Port

Carrying Case Or Spread Sheet Program \$60.00 Value FREE with purchase

Oregon Typewriter Co. & Stereo Loft
30 E. 11th M-F 9-6 Sat 9-5 342-2463

LETTER PERFECT
Graphics

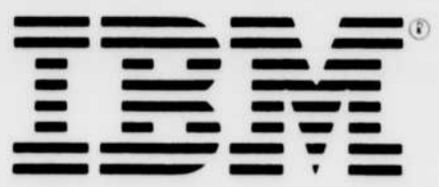
• TYPESetting • PASTE-UP • LAYOUT • DESIGN • CONSULTATION • LAYOUT •
SUITE 300 EFB MEMORIAL UNION 346-4381 9:00 - 5:00 P.M.

Q: We carry computers, but we're not in the EMU. Who are we?

Sporting an easy-to-use interface, the Apple Macintosh line has become the favorite of many students. Whether you are writing a paper or designing a building, the Macintosh line can help you complete your project in style.



The IBM PS/2 line is easier to use than ever. IBM has packaged Windows 3 and other software with its computers, so all you have to do is plug it in and go! The IBM PS/2 line is the best of the DOS computers at great educational discount prices.



Microsoft is one of the leading software companies in the world, and for good reasons. Macintosh products like Microsoft Word and Microsoft Excel are hard to beat, and Microsoft's new Windows 3, Word and Excel 3.0 for Windows are revolutionizing the DOS software industry.



Claris offers easy-to-use software like MacWrite II and MacPaint 2.0, earning itself a solid reputation. And with software like FileMaker Pro, Claris CAD and MacDraw Pro, Claris has made a niche for itself.

Say Ashton-Tate and people will think of the dBase series of database software. They continue to offer strong software packages like dBase III+ and dBase IV, as well as innovative Macintosh software like FullWrite Professional and FullImpact.



and
that's
not
all!

We also carry popular software packages like Aldus PageMaker and Lotus 1-2-3. Since we are always working to offer more software at low educational discount prices, stop by or call to find out what else we have.

Getting through college is no easy task, and a good computer can help you do that job. That's why we're here. We carry computers and software at educational discount prices so they match everyone's pocketbook.

But what good is a computer if you can't use it? That's why "support" is part of our name. Our staff is here to support the computers and software we carry. If you are stumped by Windows or stymied by Microsoft Word, we can help. Want a computer but don't know where to start? We'll help you make a choice that will fit your needs.

Have a question? Come on in to 202 Computing Center (across from Rennie's Landing), or give us a call at 346-4402. We're open Monday through Friday, 9 a.m. to 5 p.m. We display what we sell so you can try before you buy.

A: The Microcomputer Support Lab • 202 Computing Center