



# COMPUTING NEWS

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The Computing Center University of Oregon Eugene, Oregon 97403

Vol. 2 #6

## Resource Digest Compiled

Thanks to the work of Dave Moursund's fall seminar on Computers in Education (Curriculum & Instruction 510), there is now a digest of the computing facilities and resources available in every department on campus. The document begins with a description of the Computers in Education program. Following that are alphabetical entries for departments ranging from the American English Institute to Law to Teacher Education. Facilities such as the Computing Center, the EMU Computer Lounge, and the Library are also included.

Each entry includes a description of equipment, key personnel, and the "computers-in-education orientation" of the department. Current and prospective students may find most useful the sections detailing departmental computer requirements and courses in which computers are used.

A copy of this 100+-page digest is available for reference in the Computing Center's Documents Room (205) under the title *Computing Resources on the U of Oregon Campus*. The document, which was prepared on the Apple Macintosh with MacWrite, is also available in computer-readable format. To obtain a copy, send your request, along with a double-sided Macintosh disk, to Dave Moursund (at ICCE or CATE in Condon School).

Dave plans to have his seminar update the information each fall. In addition, a graduate student is expanding the digest to include education programs in the community at large, such as the Eugene, Springfield, and Bethel School districts, the Lane Educational Service District, and Lane Community College.

## LAN/1: What Is It?

More and more of the Computing Center's documentation refers to the LAN/1 network. This column is for those of you who have been wondering about it, and about networks in general. Over the next few months, we'll provide a simple explanation of network technology and terminology.

We currently have a local area network (LAN), so-called because it's designed to cover a small area--the campus. (Wide-area networks, such as BITNET, reach state-, nation-, or world-wide.) Physically, the network is a coaxial cable, which means there is a central conductor sheathed by a metal tube or braid. Our cable, which was installed last spring, currently runs through steam tunnels from the Computing Center to Gilbert Hall and PLC.

The network is a broadband type, which means several signals can be transmitted over the same cable. Broadband networks are essentially an update of cable TV technology in which the cable is divided into channels.

Each channel carries signals at a particular electromagnetic frequency. While cable TV sends out, or broadcasts, signals on many channels, channels on the broadband are paired for forward and reverse communications. Broadband networks can transmit data at very high speeds. Because data is transmitted by radio frequencies, which are analog rather than digital, broadbands have the potential for transmitting video signals, as well as computer data.

The broadband itself is only one of the pieces needed for network transmission. Next month, we'll describe network interface units (NIU's), which are required devices that determine the type of service and transmission available on a network.

## A Look at Desktop Publishing

Desktop publishing has been the talk--and sales hit--of the microcomputer market during the past year. With the advent of low-cost equipment and page layout software, people can produce attractive, high-quality newsletters, flyers, manuscripts, journals, etc. that were previously sent out for design, typesetting, layout and printing. Here on campus, a number of publications (including this one) are now produced on microcomputers, such as the Apple Macintosh, with software like Aldus' PageMaker.

This new technology brings to academic authors and publishers the potential for great savings and control, but also the need for a whole new range of skills and tasks to be managed. For a look at the possibilities this developing field of desktop publishing holds for you, come to the Computing Center's spring lecture series:

- **Academic Publishing:** Jack Rollwagen, Anthropology, publisher of *Urban Anthropology* for 15 years, will describe the business of publishing an academic journal and the role of microcomputers in everything from managing communications with authors to final production.
- **Page Layout Software:** Craig Hickman, Fine Arts, will give a demonstration of Aldus' Pagemaker, a program designed for integrating text and graphics to compose pages for printing.
- **Design:** David Rose, Fine Arts, will discuss the elements of graphic design and present guidelines for producing legible, effective, interesting material with the new page layout software.

These free lectures will be given at 7 pm on Thursdays, April 16th, 23rd, and 30th, in room 138, Gilbert Hall. Demonstrations will be done on an Apple Macintosh and shown on a large (20 by 20 foot) screen for easy viewing.

## Spring Short Courses

A special series of short courses will be offered to faculty and staff during spring break: CMS, XEDIT, Macintosh Intro, and BITNET. Watch your mailbox, or check at the Computer Center reception desk, for a flyer describing these and the regular spring term short courses. Both the Introduction to SAS and the popular evening series (see *A Look at Desktop Publishing* on page 1) will be repeated this spring. Contact Pam Prichard, x4394, if you have any questions.

## DOCUMENTS ROOM NOTES

### File Transfer Write-up Revised

A new version of the Computing Center's "Micro/Mainframe File Transfer" write-up is now available in the Documents Room (205) for reference or purchase (\$2). Discussions of hardware and software requirements for file transfer and a description of the KERMIT program are included. New appendixes show how to use KERMIT to transfer files to and from the DEC 1091 and IBM 4341 with either an IBM PC or an Apple Macintosh.

An updated version of KERMIT for the Apple Macintosh, which works with the MacPlus keyboard, is also available. Disks containing KERMIT for the IBM PC, the Macintosh, and the Apple IIe (or II+) are part of the Public Domain Library and can be checked out from the Documents Room and copied.



Apple LaserWriter printing in the Computing Center's Documents Room now costs \$.25 per page with no minimum charge. Call 686-4406 to reserve a time.

### Spring Cleaning Time!

Wondering what to do with those computer books and manuals that are cluttering up your desk and office? You might consider donating some of them to the Computing Center's Documents Room. Since our budget is extremely limited, we cannot afford to purchase a large number of items. Donations, therefore, are always welcome, and allow us to offer a wider range of materials to our patrons. Our collection is open to everyone. Materials may be used and borrowed at no charge.

If you have any books, manuals, periodicals, etc. you would care to donate, please contact Betsy Shaw, the Documents Room Librarian. She can be reached at 686-4406, or in the Documents Room (205), between 9:30 am and 4 pm weekdays.

## IBM 4341 NOTES

### FSX for CMS Withdrawn

University Computing has learned that the FSX package for performing full-screen I/O from EXECs on CMS is not legal. It has been withdrawn from distribution by its developer and will be removed from CMS soon. Watch the CMS news for further notice.

A newer REXX function package for full-screen I/O, which performs essentially the same services, is available. Please convert any applications that use FSX to the REXX package as soon as possible. Consult the *REXX Function Packages Installation* manual, available for reference in the Documents Room (205), for more information.

## STAT CORNER

- Pat Holleran

### Micro Statistical Package Discounts

Brainpower, Inc., is offering its StatView 512+ statistical program for the Apple Macintosh to U of O faculty, staff, and students at a discount. The program, which retails for \$349.95, may be purchased for \$150 from Brainpower. Orders must be accompanied by a document, available at the Computing Center, certifying the buyer's eligibility for the special price.

StatView 512+ is a sophisticated statistical program that features a wide variety of analytical techniques such as descriptive statistics, correlation, regression (including stepwise), factor analysis, and analysis of variance. It also produces high-quality statistical graphs and charts. A demo of Statview 512+ is available in the Public Domain Library in the Center's Documents Room (205).

For more information, contact a statistical consultant in Room 207 (x4402), 10-11 am or 2-3 pm weekdays.

### SAS for Micros

Remember, the SAS/PC package, for users of IBM PC/XT's, AT's, and compatibles, is available for rental from the Computing Center. Pick up a handout in the Center's Documents Room (205) or contact a statistical consultant (see above) for more information.

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