



# COMPUTING NEWS

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## VAX HOTLINE

### VAX 6230 to Replace IBM 4341

The University has purchased a VAX 6230 to provide a successor to the IBM 4341 for administrative computing, and conversion is now underway. The hardware has been delivered and will be installed later this term as part of a Computing Center VAXcluster.

An early step in conversion is the elimination of all academic use of the 4341. By December 15, 1988, all academic users of VS1 should be moved to the VAX 8800. At that time, the Center will archive all USER.DA data sets and disable academic use of VS1.

Watch future issues of *Computing News* for further developments in the conversion process.

## NETWORK NEWS

### UOnet Connection Update

Campus departments interested in connecting to UOnet, the U of O's new campus communications network, can choose from a number of installation options. Because UOnet is so new and because there are so many ways to install it, the Computing Center recommends contacting its Network Services staff to develop a workable design.

While we can assist with design, installation, and testing, cable installation should be arranged with the U of O Physical Plant (see article in next column). In the meantime, departments may find the following information useful in developing an installation plan:

#### Departmental Ethernets...

In most buildings, UOnet's fiber-optic cable runs to a mechanical room in the basement. University Computing will supply a single fiber-optic Ethernet transceiver to interface with a building-wide Ethernet provided by the building's occupants. (There is currently no charge for this service, but there may be a small yearly fee in the future.)

To connect to UOnet, a building must have an Ethernet bridge and an extension of its resident Ethernet to the mechanical room. The cost of these connections is generally \$2300 - \$3000.

Depending on the building's internal construction, Ethernet cable can be installed for between \$100 and \$250 per room served. We expect most buildings will

eventually have a single extended Ethernet, possibly serving several departments.

#### Ethernet Network Connections...

Once Ethernet cable runs to a room, a computer can be connected to the network for the price of an Ethernet interface card, plus TCP/IP software. Most scientific workstations already include both.

**PCs and clones:** An Ethernet interface for an IBM PC or clone costs between \$200 and \$300. We recommend you use NCSA Telnet software, unless the PC is part of a Novell or 3Com local area network. NCSA Telnet may be checked out from the Center's Public Domain Library (205) and copied at no charge.

**Macintosh users:** For groups of Macintosh users, we recommend installing a Farallon Phonenet (Appletalk) network, at a typical cost per station of \$50 to \$200 for interface and wiring. The whole Appletalk network can then be connected to a building Ethernet, using a Kinetics Fastpath, for approximately \$2000. NCSA Telnet for the Macintosh is recommended. It may be checked out from the Center's Public Domain Library and copied at no charge.

#### Terminal Ports...

The Center provides UOnet terminal ports for \$250 plus wiring costs. Wiring usually consists of twisted-pair wire from the location of the terminal to a telephone closet or basement mechanical room. The cost of wiring ranges from \$50 to \$250. You will also need a terminal, Macintosh, or PC with a serial interface.

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For assistance in designing a UOnet installation, contact the Director of Network Services, JQ Johnson, at x4394 (network address: [jqj@hogg.cc.uoregon.edu](mailto:jqj@hogg.cc.uoregon.edu)).

### Physical Plant Assumes Wiring Tasks

Effective immediately, the University Physical Plant will assume sole responsibility for installing communications wiring in the ceilings and walls of University buildings. This work will be performed by licensed electricians secured by the Physical Plant.

Computing Center technicians will no longer be installing wiring, but will continue to assist departments in designing networks and testing them after wiring is complete. In addition, the Center can help set up equipment, install communications outlets, and connect/reconnect equipment to communications networks.

Departments with communications wiring needs should contact the Physical Plant directly. However, because of

the importance of network wiring design, you should consult the Computing Center first. Watch coming issues of *Computing News* for further details on wiring services and who to call.

### STAT CORNER

Fall Term brings with it a number of new developments in statistical software. We've summarized some of the major changes below:

#### DISSPLA, Version 11.0

Version 11.0 of the DISSPLA graphics program is currently being installed on the VAX 8800. This version features numerous enhancements, including full support for FORTRAN-77 argument passing, improved linkage speed, CGM metafile support, and 3-dimensional object rendering. Version 11.0 also offers online help for each DISSPLA routine.

#### New SCA Routines

VAX users may now access a wider range of SCA routines, including the full Univariate Time Series (UTS) module, the General Statistical Analysis (GSA) module, and the Econometric Modelling and Seasonal Adjustment Module (SCA-ECON/M).

#### BMDP Update

A revised version of BMDP's 1L (life table and survival function) routine was recently installed.

Also, BMDP users may be interested in perusing the first volume of a new two-part BMDP reference set, now available in the Center Documents Room (205). (Volume 2 is yet to be released.) This set brings readers up-to-date on recent changes in BMDP. If you wish to purchase your own copy, contact the University of California Press at (800)-822-6657 and ask for ISBN 0-520-04408-8, the *BMDP Statistical Software Manual*, Volume 1.

#### SPSSx, Version 3.1

Version 3.1 of SPSSx is currently being installed on the VAX. This new version introduces a procedure called RANKS that produces ranks, normal scores, savage scores, and percentile scores. It also includes ENHANCED CROSSTABS, MULTIPLE RESPONSE, REGRESSION, and LISREL (version 6.13) procedures.

For details on Version 3.1 enhancements, create and run the following SPSSx job:

```
$ ed info.sps
*i
INFO ALL SINCE 3.0
EXECUTE
<CTRL-Z>
*ex
$ spssx/out info.lis
$ print/forms=small info.lis
```

You may also look at a copy of this information in the Center Documents Room (205).

#### SAS/PC News

PC owners and users who renewed their SAS/PC subscription for 1988-89 should have received a new SETINIT routine via campus mail. The new SETINIT makes SAS/PC software usable for the current year. If you've paid but haven't yet received your new SETINIT, contact Joe St Sauver, the Center's chief statistics consultant (see Questions?... below).

SAS/PC users currently running at least one megabyte of LIM/EMS memory can request a copy of SAS/ASSIST at no charge. SAS/ASSIST, a new menu-driven interface, makes SAS/PC a little easier to use. For more details on obtaining SAS/ASSIST, contact Joe, as noted below.

#### SAS Shines on Sun Workstations

The SAS Institute recently announced that SAS is now available for Sun computer workstations. If you're interested in running SAS on your Sun workstation, notify Joe at one of the addresses listed below. The Center will request site license information from the SAS Institute if there is sufficient response.

#### Questions?...Suggestions?



If you have questions on any of the above notes, or suggestions for topics you'd like to see covered in future Stat Corner columns, phone them in to Joe St Sauver at x4394. You may also contact Joe via VAX MAIL (username joe) or University Forum (letter j s s), or drop by Room 233 of the Computing Center.

- Joe St Sauver

#### Errata...

Last month we incorrectly reported the 2400-Baud modem access number and the sequence for sending questions to Center consultants via VAX MAIL. Corrections are noted below.

**2400-Baud modem access:** Any off-campus terminal or microcomputer user with a standard 2400-Baud (v.22bis) modem can access UOnet by dialing 686-3565.

**Consultant queries:** The correct format for contacting Computing Center consultants via VAX MAIL is

```
$ mail
MAIL> send
To: consult
```

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