



COMPUTING NEWS

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University Computing Reorganized

Provost Richard Hill recently announced a reorganization of University Computing that will see the current co-directors specializing their efforts and the addition of a new, third director. Gordon Ashby has become the Director of Computing Facilities; Joanne Hugi, the Director of Computing Services. A new Director of Network Services will be hired to oversee the development of a campus-wide network, manage network services, and serve as a liaison with internal and external organizations.

Larry Fincher, Vice Provost for Academic Administration, expects full implementation of the reorganization to take several months. Fincher, who is responsible for developing and coordinating plans for the improvement of administrative and academic computing, will function as the executive director of computing for the interim. Questions about the change can be directed to him at x3050.

LAN/1: What Is It?

In this third and final article in our series about the University's LAN/1 broadband network, we outline what the network can do for you, now and in the future.

The current broadband runs through steam tunnels from the Computing Center to PLC and Gilbert Hall. When the basic cable reaches your building or department, NIU's (described in the last issue) must be acquired for each cable terminus. Your terminal or micro then has to be wired to the NIU that provides your access to the network. If you are using a micro on the network, you may need terminal emulation or communications software and hardware to allow you to send and receive information through a serial or RS232 port. When all of these connections are acquired and in place, you can link to other network devices.

On our current LAN/1, you can access another network device by "calling" its name or address (NIU and port number). Available devices include the University's central DEC and IBM mainframe computers, for those with accounts. Authorized users may connect to the Computer & Information Science department's local bridge network. LAN/1 users can also pass data directly between micros connected to the network. For details on using current services, see the free handout "How to Use the LAN/1 Network," available in the Documents Room (205).

Extended services, such as sharing remote disks and printers in a way that makes them appear to be "local" resources for each user, are possible on the existing broadband. Adding such services would require the use of additional broadband channels, and additional software and NIUs for every connection point on the network.

Proposals for a campus-wide network have been funded this year by the Department of Education. Planning for that network is underway. Current plans call for campus-wide Ethernet support, which will allow services beyond terminal connections, such as shared printers and disks. As with the LAN/1, you will have to acquire software and hardware for your network access point and possibly for your micro before you can use such additional services.

IBM 4341 NOTES

- Rick Millhollin

New CMS Batch

Anyone who used the CMSBATCH virtual machine provided with VM/SP will appreciate the new Purdue Batch System now available on CMS. This system overcomes all of the limitations of CMSBATCH. It provides a user-friendly interface for preparing, submitting, monitoring, and controlling jobs. Almost all CP and CMS commands can now be used in a batch job, including those used to define temporary disk space and mount magnetic tapes. The new system offers job chaining and scheduling facilities, batch macros, multiple batch job streams, and more. It is ideal for freeing your terminal from long-running tasks, like extensive SAS jobs.

Those of you who have been submitting batch processing to OS/VS1 for lack of a viable CMS alternative will also find the new system very useful. We encourage you to move from VS1 to the new CMS batch system now, since VS1 is basically obsolete (see next article).

Documentation for the new batch system includes local notes and a User's Guide, both available online and in the Documents Room. Type `help uo4341 doclib` and `doclib index` for online information. Watch the CMS log-on news for information on any future modifications.

Please report any problems to userid BATCHMT, via MAIL on CMS. Once any problems with the new system are resolved, the old CMSBATCH will be removed.

OS/VS1 To Be Frozen

As most users are aware, the IBM 4341 has two operating systems running under VM/SP, which keeps track of the others and oversees the entire system:

- CMS -- the interactive operating system, which also provides batch services
- VS1 -- our original batch processing system (compatible with the old IBM/360)

Since we acquired the IBM 4341, most IBM users have migrated from VS1 to the friendlier CMS environment. Current development efforts at IBM are focused on VM/SP and MVS, a system requiring more hardware resources than we have. IBM no longer supports new releases of some system software for VS1, such as VS FORTRAN and the next VS COBOL, so VS1 is now basically obsolete.

With the decline of VS1, our VS1 system will be stabilized at its current software level. Neither VS1 nor any of its software (application packages, language compilers, utilities, etc.) will be updated in the future.

CMS is not affected in any way by the VS1 freeze. VS1 users of packages like SAS and SPSSX are urged to move their batch processing to the new CMS batch system (see preceding article), where new releases will continue to be available.

MICRO SCOPE

Microsoft Word 3.0 Upgrade

Microsoft has announced that release 3.01 of Word for the Macintosh will include corrections to known problems in version 3.0 and several enhancements, as well as support for the Macintosh II. This release, available in June, will be automatically sent to registered owners of version 3.0.

Owners of Word 1.0 and 1.05 can still upgrade to 3.0 at a discount. Prices for U of O students, faculty, staff, and departments are included on the Microsoft price list, available in the Documents Room (205), the Micro Support Lab (105), or at the U of O Bookstore's Electronics Counter. If you have questions, contact David Boyes at the Computing Center, x4394.

Apple Award Announced

With the success of Macintosh sales at the U of O and the increasing use of Macintoshes on campus, Apple has introduced the MacChampion Award. It will be presented monthly to a U of O student, faculty, or staff member who has contributed significantly to the integration of the Macintosh into academic activities.

The initial winner of the award is Kit Larsen of the Computing Center. Kit has consulted on Macintosh-related topics in the Micro Support Lab for several years, and developed the Macintosh Short Course program offered by the Computing Center for the last four terms. An experienced database programmer, Kit created the automated software check-out system for the EMU Computer Lounge, using Omnis 3. He is a member of the Oregon Macintosh Programmer's and Developer's Group, and has developed several other Macintosh applications.

MacChampion Award winners will have their names inscribed on a plaque created by Apple which will be placed in the Computing Center's Micro Support Lab (Room 105). To nominate people for the award or obtain more information, contact Pat Holleran at x4394.

IBM Micro Purchase Plan Changes

IBM has determined that the existing microcomputer purchase plan does not cover the new IBM Personal System/2 products, introduced briefly in last month's *COMPUTING NEWS*. A new contract is currently being negotiated between IBM and the Oregon State System of Higher Education (OSSHE).

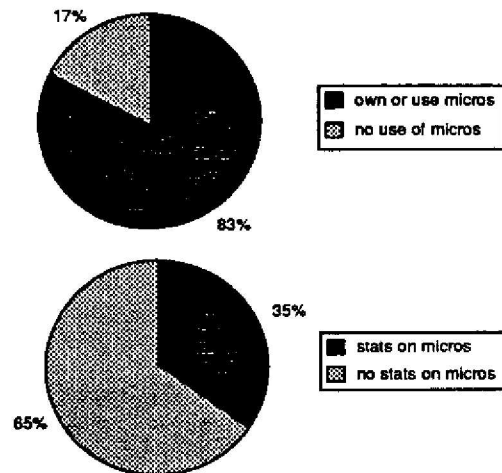
Meanwhile, purchase plan prices for many of the old IBM products, such as the IBM PC/XT, have been lowered. New IBM price lists are available in the Documents Room (205) and the Micro Support Lab (105).

STAT CORNER

- Pat Holleran

Survey Completed

The survey of statistical users we described in January has been completed. Thanks to all 100 of you who took time to participate. As always, the survey has provided much useful information, such as the patterns of micro use



Access to or Use of Micros versus Use of Micros for Statistical Analysis

shown above. As indicated, most respondents now use micros, but statistical analysis on micros is still limited. We expect such use to increase, and will keep tracking it. Those of you interested in the complete survey results can pick up a summary in the Consulting Office (Room 207).

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