

ST. PAUL CAMPUS COMPUTING NEWSLETTER

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26 North Hall
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ANNOUNCEMENTS

1. EQUIPMENT CHANGES

On December 17, the St. Paul Campus Ad Hoc Computing Advisory Committee agreed, based on the recommendations of the University Computer Center, that the Horticulture 1004 terminal (with its supporting key punch) would be removed and relocated in North Hall. In addition, the committee agreed that the 1004 terminal, then located in North Hall, would be returned to the University Computer Center for overhaul.

These two changes have been made. The Horticulture 1004 terminal users accustomed to using that facility should refer to the table of 'Computer Equipment by Location' in this newsletter to select the equipment and/or site that best serves their needs.

2. COMPUTING CONSULTANTS

All St. Paul Campus computing facilities (College of Biological Sciences, Classroom Office Building, North Hall, and Coffey Hall) are consultant-supported operations. Users needing help may receive assistance from consultants at each site. For consulting hours, please refer to the table in the back of this newsletter.

3. NEWSLETTER MAILING LIST

We wish to maintain an up-to-date mailing list and to distribute this newsletter to everyone interested in the computing facilities and services available on the St. Paul Campus. If you at any time want to receive additional copies for further departmental distribution or make changes (additions, deletions, or corrections) to the existing mailing list, please notify Mrs. Eva Klein, 26 North Hall (373-0990).

COMPUTING CENTER (North Hall)

1. TELETYPE TERMINAL INSTALLED

A 10-character per second Teletype Terminal with a communicative link to the CDC 6400 has been installed in 24 North Hall. This Terminal has access to all of the MERITSS System software and will be made available to research-related projects on an open-shop basis.

Researchers wishing to use this facility may do so on a first-come, first-served basis. Although no charges will be made to the departments using this equipment, we require that all users log in the information requested on the 'Terminal Equipment Utilization Record' provided at the site.

Please direct questions regarding access and the availability of this equipment to Dick Rignell, 373-0990, and questions related to software to Jim Colten, Terminal Supervisor, 373-0987.

2. KEY PUNCH EQUIPMENT AVAILABILITY

The recent move of the 026 key punch machine from the Horticulture location to the 1004 site in North Hall now brings to three the number of key punch machines that are CDC 6600 compatible. Although two of these key punch machines are used in support of the IBM 360 operations, all three are made available to the University staff on an open-shop, first-come, first-served basis.

The 026 type key punch machines (48-character set machines) that are compatible to the UNIVAC 1004 for CDC 6600 use may be distinguished easily from the 029 type key punch machines (64-character set machines) that are IBM 360 compatible. Besides the '026' or '029' identification that is on these machines, they are further identified by the color of the printout on the cards. Characters punched and printed on the 026 key punch will be red in color; those from the 029 will be black.

3. ACCESS TO COMPUTING CENTER FACILITIES

An additional part-time night operator was hired recently. This will permit a better response to answering the door for users who wish to use our facilities at night. Those who wish to work after hours may summon a night operator by the use of a night bell (this bell is located on the door immediately below and beside the steps leading to the Photographic Laboratories in North Hall). Someone on the operations staff generally will be on duty until midnight.

4. SP33 VERSUS SP36 ANALYSIS OF VARIANCE PROGRAMS

We have observed that a number of researchers are still using the old SP33 (Analysis of Variance) program that is on the 360 system. This program has been updated with many improvements (transformations, variable and factor labeling facilities, and many others) and this is now a new program called 'SP36'. Although the old SP33 program is still on the system and it provides correct results, the readability of its output is poor and its processing speed is somewhat slower than the new SP36.

We recommend that researchers now using SP33 switch to SP36. (Should you need assistance in conversions, please contact our Computing Center staff.) We intend to phase out SP33 and remove it from our mass storage active library.

5. RESUMPTION OF THE NORMAL 360 COMPUTER SCHEDULE

After 2 months of very heavy computer utilization demands on the 360 system, we have returned to our normal operating schedule. Our apologies go to those whose turnaround times were affected by some rescheduling of lengthy computer runs during the daytime hours.

The 360 system generally will be available for short-term debugging and production runs daily from 7:00 a.m. to 7:00 p.m. Lengthy computer runs generally will be scheduled after 7:00 p.m.

MINNESOTA ANALYSIS AND PLANNING SYSTEM (MAPS)

1. MAPS USERS SEMINAR

The MAPS Users Seminar will be held 9:00 a.m. to 4:30 p.m., February 5, 1974, in 401 Coffey Hall. The user may schedule additional consultation time with an appropriate MAPS staff member to learn about MAPS and its services in meeting specific needs.

The users seminar is a shortcourse to acquaint both current and potential MAPS clientele with our data base and services. The seminar is led by MAPS staff members David Nelson and Tom Ehlen in an informal atmosphere.

The morning will be used to acquaint participants with the general background of MAPS and the 1970 Census. The census data, its organization and its availability are discussed. Sample output is provided from actual client usage. Participants are encouraged to ask questions of specific interest.

The afternoon will be used to acquaint participants with the supporting services that MAPS is able to provide. Information systems and data processing are given general descriptions. The MAPS library of data files, other than census files, is described and is used to introduce Qwick Query as a usable data information and retrieval system. The potential use of Qwick Query is described.

The general intent of the seminar is to bring the participant to the point of taking full advantage of the services and data that can be provided by MAPS.

2. MERITSS

A 30-character per second time-sharing terminal is in operation at MAPS. MAPS will incorporate terminal into use of SYSTEM 2000. Selected MAPS software will be incorporated with the time sharing system. Contact David Nelson or Tom Ehlen about specified use of MAPS time-sharing terminal.

3. MAPSList 4 HOUSING

MAPSList 4 Housing output can be limited to a single page or section from the original format. Sections include the general topics of housing value, appliances and fixtures, plumbing, kitchen and heating, occupancy characteristics, and general housing characteristics. You can realize savings by indicating a single table, page, or section. Contact Tom Ehlen for specifics.

CLASSROOM OFFICE BUILDING COMPUTING FACILITIES

The schedule for the computer suite in Room 125 Classroom Office Building is similar to last quarter's schedule. Both the 1004 room (125C) and the MERITSS Instructional Time-sharing Computing Laboratory (125E) will be open Monday through Friday from 8:30 a.m. through 6:00 p.m. with a consultant always on duty, except for a few isolated hours. One exception to this schedule is Wednesday evening, when the facilities are open until 8:00 p.m. Schedule changes will always be posted in room 125.

The Instructional Laboratory is an all-University facility, primarily for class-related interactive computing. For information on how to obtain the special user account numbers required for the lab, call Michael Skow at 373-7745. The numbers can be used in any of several other Instructional Labs on the East and West Bank Minneapolis campuses, but cannot be used on dial-up ports. The St. Paul Campus Lab has seven on-line teletype 33's, two Hazletyne 2000 CRT terminals (one of which has a teletype as slave printer), a DI/AN 9300 terminal, and a Tektronix 4013 CRT terminal with graphics capability. Time on some of the terminals can be reserved in advance by signing up in the lab. This quarter the following hours are regularly scheduled for classes and are not available for walk-in use: Monday, 3:15-4:00; Tuesday, 1:15-2:00; Wednesday, 3:15-4:00; Thursday, 11:15-12:00 and 1:15-2:00, and Friday, 1:15-2:00. The time-sharing system is undergoing growing pains at the moment. Users will get substantially better service after 4:00 p.m. than earlier in the day when over 100 users may be simultaneously on MERITSS.

As last quarter, consultants on statistical computation will be available in Room 125C under the auspices of the Applied Statistics Department and University Computer Services. The in schedule is as follows:

Monday	Tuesday	Wednesday	Thursday	Friday
1:00-3:00	8:30-10:30	1:00-3:00	8:30-10:30	1:00-3:00
D. Jacobson	L. Thibodeau	D. Jacobson	L. Thibodeau	D. Jacobson
3:00-5:00	10:30-2:00	3:30-5:30	10:30-2:00	3:00-5:00
S. K. Lee	L. Johnson	L. Thibodeau	L. Johnson	S. K. Lee

The consultants are all graduate students in the School of Statistics and can provide help with standard statistical packages and programs. They will help interpret manuals, advise on punching control cards, and help interpret output. For those interested in statistical computation, attention is drawn to two short courses provided by the University Computer Center: Introduction to SPSS (February 1, 4, 6, 8) and Introduction to BMD (February 11, 15). These are scheduled in Room 18, Mechanical Engineering, 3:00-5:00 p.m.

Complementing the statistical computation consulting is the Statistical Consulting Clinic, a service of the Statistical Center in the School of Statistics. The Clinic is a primary source of statistical advice for the general University community, supervised by the Applied Statistics faculty. The consultants' schedule is as follows:

Monday	Tuesday	Wednesday	Thursday	Friday
1:00-4:00	10:00-1:00	1:00-4:00	10:00-1:00	
H. T. Lin	S. K. Roy	H. T. Lin	S. K. Roy	
			1:00-3:30	
			H. E. Lin	

BIOLOGICAL SCIENCES COMPUTING FACILITY

The Biological Sciences computing facility (253 Bio Center) will be open 24 hours a day. The building will be locked, however, after 6:00 p.m. People wishing to use the terminal after this time should contact Howard Meyer (Office 256) or Ralph Comstock (Office 274) for temporary use of a building key. Users are asked to turn off equipment when finished after 4:30 p.m. A limited supply of cards is available (users are asked to furnish their own cards for large jobs).

GENERAL INFORMATION OF COMPUTING EQUIPMENT BY LOCATION

EQUIPMENT TYPE	LOCATION	KEY STAFF PERSONNEL	HOURS OF SERVICE	TELEPHONE
IBM 360/30 computer	22 North Hall	Dave Schempp (consultant)	7:45 a.m.—4:30 p.m.	373-0987
		Operations staff	7:00 a.m.—Midnight	373-0990
		Key punch supervisors	7:00 a.m.—5:00 p.m.	373-0992
		Account clerk	7:45 a.m.—4:30 p.m.	373-0990
Univac 1004 terminal	24 North Hall	Jim Colten (consultant)	7:45 a.m.—4:30 p.m.	373-0987
		Operations staff	7:00 a.m.—Midnight	373-0990
CDC 200 terminal	415 Coffey Hall	Dave Nelson	7:45 a.m.—9:30 p.m.	376-7003
		Tom Ehlen	7:45 a.m.—9:30 p.m.	376-7003
		Elaine Greenfield (principal secretary)	7:45 a.m.—4:30 p.m. (after hours use by arrangement)	376-7003
Univac 1004 terminal	125G Classroom Office Building	Consultant	8:30 a.m.—6:00 p.m.	376-7087
		K. Hirst		373-1037
		C. Bingham		373-0988
Interactive instructional lab	125E Classroom Office Building	Consultant	8:30 a.m.—6:00 p.m.	373-0829
		K. Hirst		373-1037
		C. Bingham		373-0988
Hewlet-Packard 9100B	125A Classroom Office Building	K. Hirst	By arrangement	373-1037
Univac 1004 terminal	257 Biological Science	Howard Meyer (consultant)	8:30 a.m.—4:30 p.m.	376-3067