

ST. PAUL CAMPUS COMPUTING NEWSLETTER

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27 North Hall
St. Paul Campus
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COMPUTING NEWSLETTER MAILING LIST

The publishing of the St. Paul Campus Computing Newsletter represents a consolidated effort by all computing-related groups on the St. Paul Campus to keep the University staff informed of the computing facilities and services available on this campus. This issue of the newsletter is being distributed more widely than usual with the intent of reaching individuals who may be interested in continuing to receive it but are not presently on our mailing list. We invite recipients of this newsletter to pass it on to colleagues who may be interested in being added to our mailing list.

Individuals receiving a complimentary copy of the newsletter (these are addressed on large 3" x 5" pressure sensitive labels) will not automatically continue to receive it unless they return the cutaway portion in the back of this newsletter. Those previously on our mailing list (addressed with small pressure sensitive labels) will continue to remain on the list without returning the cutaway portion.

We invite anyone with computing-related material for the newsletter or suggestions for future issues to contact Mel Sauve, 27 North Hall, 373-0987.

COMPUTING CENTER (North Hall)

1. CHANGE IN OFFICE LOCATIONS

Due to the serious space shortage, the Center has made the following changes for the purpose of establishing a more efficient operation until more space becomes available:

- The secretary, Mrs. Eva Klein, is now located in room 27. This room is the Center's main office and all correspondence should be directed to this new location.
- The manager, Mr. Mel Sauve, is now housed in room 14A.
- The Center's Senior Computer Programmers (Dave Schempp, Jim Colten and Francisco MacClure) are now all housed together in rooms 26 and 28. Please note that they alternate as consultants for the 1004 terminal (CYBER 74), the MERITSS, and the IBM 360 systems. Also, please refer your application programming and software needs to this group.

2. KEY PUNCH WORKLOADS AND EQUIPMENT CHANGE

The demand for key punch services continues to mount. With our full complement of operators, we still find it difficult to keep up.

We regret that there have been some delays when work has become backlogged. Generally, our first priority is to keep the Center's ongoing reoccurring projects as up-to-date as possible and also to oblige the user having small amounts of data to be punched—most of the other key punch demands fall into a first-come first-served category. We therefore

emphasize that users who have large amounts of data for punching, submit their work at the earliest possible time to allow ample time for key punching and subsequent data analysis.

In any event, we feel that soon the Center will be better geared to provide prompt service to all customers. We are now replacing the present key punch equipment with eighteen IBM 129 Data Recorders. This new equipment has many needed additional features that we presently do not have and is reported to be approximately 20% faster. The change in equipment, however, has one drawback—we expect to experience a slowdown during the transition period. We are advised that this period should be of relatively short duration. Thus, we ask that users bear with us during this time.

3. INTRODUCTORY AND ORIENTATION SEMINAR

An introductory seminar for new and prospective users of the equipment and services available in the Computer Center is scheduled for Wednesday, October 9th, from 3:05 to 4:30 p.m. in room 6A North Hall. Those wishing to attend this seminar should call or write Mrs. Eva Klein, 27 North Hall (373-0987), providing her with your name, department, and telephone number.

The subject matter of the seminar will relate to the following topics:

Equipment

- IBM 360 model 30
- Univac 1004 terminal
- Teletype Terminal (MERITSS)
- Unit-record equipment (sorters, reproducers, etc.)
- Key punch equipment
- Miscellaneous equipment (copier, burster, decollator, etc.)

Services

- Application programming
- Computer programming consulting
- Key punching
- Unit-record and computer equipment operations
- Software available

Miscellaneous

- Card and paper supplies available
- Magnetic tape, card and printout storage facilities
- Open-shop operations
- Account numbers and cost of services
- Access to facilities and hours of work
- Tours, demonstrations and short courses available

4. STATISTICAL PROGRAM ORIENTATION SEMINAR

On Wednesday, October 16th, the Computing Center will offer a computer program orientation seminar on the statistical programs that are available on the IBM 360 system.

Place: Room 6A North Hall (Lounge area)

Time: 3:05 to 4:30 p.m.

- Topics:
- a. All the statistical programs that are widely used will be discussed briefly.
 - b. The 'SP22' program (correlation and Multiple Regression program) will be discussed in detail. This program highlights most of the features, conventions and options of the other general programs available on our system.

If you wish to attend this seminar, please call or write Mrs. Eva Klein, 27 North Hall (373-0987). Please provide her with your name, department, and telephone number.

5. 1004 TERMINAL OPERATIONAL CONVENTIONS

- a. The 1004 terminal will be maintained on an open-shop basis and will be available to all of the University staff and students wishing to use this facility.
- b. Access to the terminal room and operations personnel supporting services are available from 8:00 a.m. until midnight, Monday through Friday and from 8:00 a.m. to noon on Saturday (keys may be checked out for week-end access). Night operators may be summoned to admit users by the night bell on the door immediately below and beside the steps leading to the Photographic Laboratories in North Hall.
- c. As a courtesy to the users of the 1004, the following procedure will apply:
Periodically during the day, Computing Center operators will connect with SUPIO in the output mode (printout mode), for the benefit of users who may have printouts ready in the output queue. All returned outputs that are foreign to the operator will be placed in the '1004 PRINTED OUTPUT' area. Test runs on the 1004 will be made daily to verify that it is operating properly.
- d. As a courtesy to users of the 1004 who do not wish to run it themselves, the following procedure will apply:
As soon as possible after 1004 jobs are placed in the '1004 INPUT' area and a proper SUPIO connect can be made, jobs will be transmitted by computing center operators. Jobs submitted in this manner will be separated, banded, and placed in the '1004 PROCESSED INPUT' area.
- e. The '1004 PRINTED OUTPUT' area and the '1004 PROCESSED INPUT' area will be kept separate. No attempt will be made to bring together the resulting output with its corresponding input.
- f. All calls for 1004 maintenance will be made by the assigned local site supervisors, Dick Rignell and Jim Colten. Users of the 1004 experiencing hardware or software difficulties should tell one of the site supervisors. They in turn will check out the difficulty, make a maintenance call (if necessary), and post pertinent information for subsequent users.
- g. A '1004 OPERATIONS LOG' will be maintained to chronologically reflect all events of importance to the operation of the 1004. This log will act as an information source to users throughout each day of operation.
- h. The key punch equipment, storage facilities, and work area at the terminal site are for the convenience of the terminal users. Please keep this area neat and clear of waste cards and paper. Do not leave cards or terminal

output on the work tables; please use the rightmost storage rack near the terminal that is assigned to short-term storage (all equipment and work tables will be cleared of cards and paper daily).

- i. Consultants and operators are available during the designated hours to answer questions and assist users who may have hardware or software problems (see table for hours of service at the end of this newsletter).
- j. UCC newsletters, system reference manuals, SYSNOTES, NOTICES, the INFO FILE, etc., will be maintained as current as possible by terminal supervisors.

CLASSROOM OFFICE BUILDING COMPUTING FACILITIES

The MERITSS instructional interactive computing laboratory in 125E Classroom Office Building (ClaOff) will be open more hours per week than it has ever been in the past. It will open at 8 a.m. on Monday, Wednesday, and Friday, and at 8:30 a.m. on Tuesday and Thursday. It will remain open until 8 p.m. on Monday, Wednesday, and Thursday, and until 6 p.m. on Tuesday and Friday. In addition the lab will be open from 9 a.m. to 12 noon on Saturday. This laboratory is intended for instruction related interactive computing. There are 11 terminals in all connected to the MERITSS (Minnesota Educational Regional Interactive Time Sharing System) CDC Cyber 72 computer. These include two Hazeltine 2000 CRT terminals, a Tektronix 4013 graphics terminal with APL characters in addition to normal characters, a Di-An 9030 Teleprinter, and 7 Model 33 Teletypes. Some time this winter two of the Model 33's will be replaced by Model 38's with APL character sets. Account numbers for class use can be obtained from the computer representative in each department. Instructors may sign up the entire lab, a class hour at a time, for supervised work. Call C. Bingham (373-0988) to arrange this. In addition, individuals may sign up in the reservation book in the terminal room for assured use of equipment even in busy periods.

Adjacent to the MERITSS lab, in ClaOff 125G, is a Univac 1004 remote batch job entry station to the University's Cyber 74 computer. This is available to all users on an open shop basis during the same hours that the MERITSS lab is open. There is a single 026 keypunch on which those with only a few cards to punch get priority. A fairly complete rack of manuals and newsletters is maintained by the University Computer Center. In addition, information of general interest to computer users, such as schedules for short courses, etc., will be posted there.

In ClaOff 125A is a Hewlett Packard 9100B desk top computer, equipped with a plotter, a digitizer, and a Selectric typewriter for hardcopy output. Its use may be scheduled through the Applied Statistics office.

Students and faculty who require access to the ClaOff computer facility outside scheduled hours may check out keys over night or for the weekend from the Applied Statistics secretary in ClaOff 352. There is a deposit of \$1.00. Long term use of a key may be arranged if substantial need can be established.

As was the case last year, undergraduate R.A. consultants will be on duty most of the time the computer facility is open. They are currently scheduled to be there during open hours except for 10:45 to 1 on Monday, Wednesday, and Friday, and 11:30 to 1 on Tuesday and Thursday. This schedule is subject to change, but an updated schedule will be kept posted. Although the pri-

mary responsibility of these consultants is supervising the MERITSS lab, they are also there to help with problems that may arise on the 1004. In particular, only they may report problems relative to 1004 functioning.

Two types of statistical consulting will also be available in the computing suite—the Statistical Clinic and Statistical Computing Consulting, both in ClaOff 125C. The former is supervised and scheduled by the Statistical Center, the consulting arm of the School of Statistics. The Clinic is a service available to everyone, especially graduate students with problems that arise in their research. Frank Martin, 373-1048, is a source of further information on this service. The clinic is staffed by statistics graduate students and should be the first place to turn for statistical advice. Problems with respect to statistical computing, especially regarding the use of the standard statistical packages and programs such as BMD, OMNITAB, SPSS, IMSL, and ISIS, are the domain of the statistical computing consultants. They also are graduate students in statistics and are prepared to aid in selecting computer programs, interpret manuals, prepare control cards, etc. They do not do programming for users, but may sketch short Fortran programs to change data already on punched cards to a form suitable for input to particular statistical programs. This service is sponsored jointly by University Computer Services and the Department of Applied Statistics.

The schedule for the Statistical Clinic and the Statistical Computing consultants is as follows:

Statistical Computing Consulting

Monday and Friday	1:00 p.m. — 5:00 p.m.	Greg Chun
Tuesday and Thursday	11:00 a.m. — 3:00 p.m.	Roy Mensch
Wednesday	1:00 p.m. — 5:00 p.m.	Larry Thibodeau

Statistical Clinic

Monday	2:00 p.m. — 4:00 p.m.	Lance Johnson
Tuesday	12:00 a.m. — 2:00 p.m.	Doug Kess
Wednesday	2:00 p.m. — 4:00 p.m.	Steve Brier
Thursday	10:00 a.m. — 11:00 a.m. 1:30 p.m. — 3:00 p.m.	Art Roth Rick Nordheim
Friday	10:00 a.m. — 12:00 a.m. 3:00 p.m. — 5:00 p.m.	Melanie Sunarti Ken Koehler

Please direct any suggestions for better or more convenient operation of this facility to either C. Bingham, 373-0988, or S. Weisberg, 373-1068.

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 Ricardo Cardellino (Office 276) 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).

MAILING LIST CHANGES

Should you wish to make changes to our newsletter mailing list, please check the appropriate box, print your name, address and department, then return this section to Mrs. Eva Klein, 27 North Hall, St. Paul Campus.

- Remove the following name(s) from the mailing list.
- Add the following name(s) to the mailing list.
- Make the following corrections.

Name _____
 Department _____
 Campus Address _____

GENERAL INFORMATION OF COMPUTING EQUIPMENT BY LOCATION

Equipment Type	Location	Hours of Service	Key Staff Personnel	Telephone
IBM 360/30 computer	22 North Hall	8:00 a.m.—4:30 p.m. (M-F)	Dave Schempp (consultant)	373-0987
		7:00 a.m.—5:30 p.m. (M-F)	Key Punch Supervisors	373-0992
		8:00 a.m.—4:30 p.m. (M-F)	Secretary (Account clerk)	373-0990
		8:00 a.m.—Midnight (M-F)	Operations staff	373-0990
		8:00 a.m.—Noon, Sat.	Operations staff	373-0990
Univac 1004 terminal	24 North Hall	8:00 a.m.—4:30 p.m. (M-F)	Jim Colten (consultant)	373-0987
		8:00 a.m.—Midnight (M-F)	Operations staff	373-0990
		8:00 a.m.—Noon, Sat.	Operations staff	373-0990
MERITSS teletype terminal (for research use only)	24 North Hall	8:00 a.m.—4:30 p.m. (M-F)	Jim Colten (consultant)	373-0987
		8:00 a.m.—Midnight (M-F)	Operations staff	373-0990
		8:00 a.m.—Noon, Sat.	Operations staff	373-0990
CDC 200 terminal	415 Coffey Hall	7:45 a.m.—9:30 p.m. (M-F)	Dave Nelson	376-7003
		7:45 a.m.—9:30 p.m. (M-F)	Tom Ehlen	376-7003
		7:45 a.m.—4:30 p.m. (M-F)	Elaine Greenfield	376-7003
		(after hours use by arrangement)	(principal secretary)	
Univac 1004 terminal	125G Classroom Office Building	8:00 a.m.—8:00 p.m. Mon.	Consultant	376-3846
		8:30 a.m.—6:00 p.m. Tues.	L. Lawton (secretary)	373-1037
		8:00 a.m.—8:00 p.m. Wed.	C. Bingham	373-0988
		8:30 a.m.—8:00 p.m. Thur.	S. Weisberg	373-1068
		8:00 a.m.—6:00 p.m. Fri.		
		9:00 a.m.—Noon, Sat.		
Interactive instructional lab	125E Classroom Office Building	8:00 a.m.—8:00 p.m. Mon.	Consultant	376-3846
		8:30 a.m.—6:00 p.m. Tues.	L. Lawton (secretary)	373-1037
		8:00 a.m.—8:00 p.m. Wed.	C. Bingham	373-0988
		8:30 a.m.—8:00 p.m. Thur.	S. Weisberg	373-1068
		8:00 a.m.—6:00 p.m. Fri.		
		9:00 a.m.—Noon, Sat.		
Hewlett-Packard 9100B	125A Classroom Office Building	By arrangement	L. Lawton (secretary)	373-1037
Univac 1004 terminal	257 Biological Science	8:30 a.m.—4:30 p.m. (M-F)	Ricardo Cardellino (consultant)	376-3407

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