

SPC ST. PAUL CAMPUS COMPUTING NEWSLETTER

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33 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. This issue of the newsletter is being distributed more widely than usual to reach individuals who may be interested in continuing to receive it but who are not presently on our mailing list. We also ask people who receive this newsletter to pass it on to colleagues who may be interested in being added to our mailing list. Should you wish to be added to our mailing list or make changes, please contact Roberta Roepke, 33 North Hall (373-0987). We invite anyone with computing-related material for the newsletter or suggestions for future issues to contact Mel Sauve, 33 North Hall, 373-0987.

COMPUTING CENTER (North Hall)

1. ANNOUNCEMENTS

- a. We are now entering our heavy computing season for the IBM 360/30. Generally the 360 system is made available for short-term computing work from 8:00 a.m. to 7:00 p.m. Occasionally it will be necessary to reserve the 360/30 system between 4:00 p.m. and 7:00 p.m., for lengthy runs that cannot be completed during the processing day. When a major scheduling change such as this is made, it will be posted in room 22. All special requirements for scheduling computer runs should be brought to the attention of the operations supervisor, Dick Rignell (373-0987).
- b. A Decision Data 8010 high-speed card interpreter has now been installed to accommodate large volume interpreting jobs. Along with the installation we have implemented a \$6.00 per hour charge for this service (has a minimum charge of \$1.00). The speed of this equipment permits the interpreting of 2000 cards (1 box) in approximately 30 minutes (thus, charges will average \$3.00 per box). The Center will continue to maintain a 514 Card Reproducer and two 029 keypunch interpreters on an open-shop no-charge basis. The 029 keypunch interpreters will be restricted to small interpreting jobs only.

2. AN ADDITIONAL 1004 FOR NORTH HALL

During the past year the 1004 in North Hall (site 40) has operated at or near saturation for significant periods of time. To relieve this situation, the University Computing Center is installing an additional 1004 terminal in North Hall. The site identification for the new terminal will be 4R and it will be located in room 24 North Hall. The new 1004 is expected to be operational by November 1, 1978. Both terminals will be operated on an open-shop basis and all University staff and student users are welcome. Consultants and operations personnel are on hand to assist you with your needs.

3. NEW WORK AREA AT NORTH HALL

In order to make room for the new 1004 at North Hall, all work tables have been removed from room 24 and placed in room 36 (new user work area). The keypunch machines will remain in room 24 near the 1004 terminals. They should be used for production purposes only (punching functions, corrections, etc.). Please do not use the work space and keypunch tables in room 24 for thinking through problems.

4. DATA ENTRY EQUIPMENT CONVERSION

Our Data Entry section is now in the process of converting to a Key-Disk system (Cummins-Allison 5400 system). Because of this conversion we have not been able to give our customers as fast of a work turnaround as we would like. We appreciate your understanding and patience during this time. In a few weeks when the conversion is complete we expect to experience a 10-15 percent production improvement over the IBM 129 Data Recorders.

This new Key-Disk system will allow data that is entered to be ultimately transcribed to reusable magnetic tape (card output will be optional). We will be encouraging users with large data entry jobs (those exceeding 2000 records) to use magnetic tape thus saving us substantial card costs. The magnetic tape characteristics of this new system are 9 track, 800 BPI and is compatible with the IBM and CDC main frames at the University.

5. CARD AND PRINTOUT STORAGE

To allow for additional storage space for active user needs it is necessary for us to remove inactive materials from our shelves and cabinetry and place them in a remote location. Users are reminded that the storage areas that are made available are intended for users whose work requires regular access to their computer-related materials. To help control the Center's storage problems we are implementing a storage charge. The rate for storage will be \$.50 per box (or tray) per quarter and billing will be subject to a random day in each quarter. For additional information contract Dick Rignell (373-0987).

MINNESOTA ANALYSIS & PLANNING SYSTEM (MAPS)

MINNESOTA ECONOMIC DATA PUBLICATION

Minnesota per capita income and population estimates are presented in Issue 31 of Minnesota Economic Data, Counties and Regions.

The estimates were obtained from the Bureau of the Census, which prepared the data in response to the State and Local Fiscal Assistance Act of 1972 (General Revenue Sharing).

According to authors Timothy J. Engel and John S. Hoyt, Jr., the estimates provide an opportunity for comparative analysis of the growth rate for Minnesota's population and economic base.

Tables in the publication include the following:

Table 1 presents per capita income in 1969, 1972 and 1974; population in 1970, 1973, and 1975 as well as a percent growth 1969 through 1974 for per capita income; and percent growth 1970 through 1975 for population;

Table 2 presents counties and Development Regions ranked by per capita income;

Table 3 presents percent growth between 1970 and 1975.

The data should be useful to administrators, planners, researchers and market analysts in developing programs and services that can meet the changing needs of Minnesota's population.

Single copies of MED Issue No. 31 are available without charge by contacting the Bulletin Room, 3 Coffey Hall, St. Paul Campus.

Scott Robbins leaves MAPS

Scott Robbins of the MAPS staff accepted a position with the Mid-America Solar Energy Complex (MASEC) and began working there September 1.

Scott's duties at MAPS centered on supporting the Minnesota Extension Management Information System and related Extension management tools. He was with MAPS since 1972.

His new title at MASEC is Data Base Administrator in the Information System Section of the Information Dissemination Division.

Land Management Information Center

A Land Management Information Center (LMIC) has recently been established as a division of the State Planning Agency. The resource center, composed of a data base and analysis system is organized as three functional sections:

the Mapping and Remote Sensing Information Center (MARSIC);

the Planning Analysis Service (PLANS);

and the Minnesota Land Management Information System (MLMIS).

MARSIC has centralized mapping and remote sensing of information for the state; PLANS is the application section, providing assistance to users of the data and analytic system; and MLMIS is the system section which maintains the data base, develops new analysis tools, and enters new data.

MLMIS is attempting to centralize and analyze data on Minnesota's resources. MLMIS was developed on the University Computer as a cooperative project of the University's Center for Urban and Regional Affairs and the State Planning Agency.

MAPS USERS SEMINAR

The next Minnesota Analysis and Planning System User Seminar will be held Thursday, November 2, 1978.

The Seminar, now offered on a quarterly basis, is designed to increase accessibility and understanding of MAPS. The session covers new and updated files in the data base and particularly focuses on 1980 Census developments.

Other aspects of the presentation include information on MAPS services, facilities, and computer-related activities.

To register or for additional information, call the MAPS office (376-7003). There is no charge for the Seminar which runs

from 9:00 a.m. to Noon in Room 101 Coffey Hall.

CLASSROOM OFFICE BUILDING COMPUTING FACILITIES

In Suite 125 in the Classroom Office Building (ClaOff) are located both a laboratory for instructional timeshared computing and a 1004 remote job entry station for the University's CDC CYBER 74. These are supervised by the department of Applied Statistics and are available about 74 hours per week, with an undergraduate consultant available for up to 55 hours.

The hours in which the Computer Facility will be open are 8 am - 10 pm, Monday through Thursday; 8 am - 6 pm, Friday; and 9 am - 5 pm, Saturday. A limited number of keys may be checked out overnight for after-hours use. See the Applied Statistics secretary, 352 ClaOff if you need a key. A deposit is required.

The instructional time shared computing laboratory in ClaOff 125E is an all-university facility primarily for students doing course-related computer work. There are currently 13 terminals hardwired to the MERITSS system running on a CDC6400. Of these 6 are set for 30 characters per second (cps) and 7 for 10 cps. The equipment includes 4 DECwriters, 2 Hazeltine 2000's, and 7 Teletype model 33's. Two of the DECwriters are switchable to acoustic couplers through which they can be connected to MERJE on either the CYBER 74 or CYBER 172. However, because of the primary purpose of the laboratory, instructional related computing has absolute priority on these machines at all times. Instructors who wish to have their students use this facility in connection for a course should ask their department's computer coordinator (call Mike Skow at 373-7745 to find out who that is) for an account number and password. To reserve the entire lab for class use for up to 1 hour, call C. Bingham 373-0988 or 373-1037. All users of this facility should sign the sign-in book before logging in on a terminal.

The 1004 RJE is currently in Room 125G. This is available for students and faculty wishing to submit batch jobs to the CYBER 74. If a job produces excessive output (see the UCC Newsletter for limits) it is diverted, along with any cards or microfilm produced, to Lauderdale from which messenger service delivers it to North Hall. There are also two keypunches in 125G.

Another important facility in this suite is the Statistical Clinic, currently located in ClaOff 125F. This is operated under the aegis of the Statistical Center in the School of Statistics. This year its activities are being coordinated by Professor Kinley Larntz, of the Department of Applied Statistics. The Clinic is staffed for approximately 30 hours per week, primarily by graduate students in the School of Statistics. It is a source of statistical advice concerning the design of experiments and the collection and statistical analysis of data. It would normally be the point of approach for graduate students who feel the consulting services of the Statistical Center are needed in their research. Please note, however, that the Statistical Clinic does not consult on problems that are primarily computer related. In particular, it is not the place to take questions about why an SPSS job is not running right. The University Computer Center does provide a limited amount of such consulting. As mentioned above, there is usually an undergraduate computing consultant available for both the time sharing lab and the 1004 RJE. Within the limits of their expertise (which does not include knowledge of

statistics) these consultants are there to explain the use of the equipment, give programming advice, replace paper and ribbons, and report equipment mal-function.

SCHEDULE FOR STATISTICAL CLINIC, FALL 1978

Monday	8-12	(PC),	12-2	(RP),	2-4	(GR)
Tuesday	8-10	(CA),	1:30-5:30	(RP)		
Wednesday	8-12	(PC),	12-2	(RP),	2-4	(JR)
Thursday	8-10	(RP),	1-3	(GT)		
Friday	8-12	(PC),	12-2	(RP)		

PC=Phil Chapman; RP=Rick Picard, GR=George Rungar,
CA=Cliff Angstman, JR=John Rogers, GR=Greg Thompson

GENERAL INFORMATION ABOUT 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) 7:00 a.m.-5:30 p.m. (M-F) 8:00 a.m.-4:30 p.m. (M-F) 7:45 a.m.-Midnight (M-F) 8:00 a.m.-Noon (Sat)	Dave Schempp (consultant) Keypunch Supervisors Secretary (account clerk) Operations staff Operations staff	373-0987 373-0992 373-0990 373-0990 373-0990
Univac 1004 terminal	24 North Hall	8:00 a.m.-4:30 p.m. (M-F) 7:45 a.m.-Midnight (M-F) 8:00 a.m.-Noon (Sat)	Jim Colten (consultant) Operations staff Operations staff	373-0987 373-0990 373-0990
MIRJE teletype terminal (for research use only)	35 North Hall	8:00 a.m.-4:30 p.m. (M-F) 7:45 a.m.-Midnight (M-F) 8:00 a.m.-Noon (Sat)	Jim Colten (consultant) Operations staff Operations staff	373-0987 373-0990 373-0990
Hewlett-Packard 9100B	37 North Hall	By arrangement	Operations staff	373-0990
CDC 200 terminal	415 Coffey Hall	7:45 a.m.-4:30 p.m. (M-F) 7:45 a.m.-4:30 p.m. (M-F) 7:45 a.m.-4:30 p.m. (M-F) (after hours use by arrangement)	David M. Nelson Elaine Greenfield (office supervisor)	376-7003 376-7003
MIRJE teletype terminal (for research use only)	415 Coffey Hall	7:45 a.m.-4:30 p.m. (M-F) 7:45 a.m.-4:30 p.m. (M-F) 7:45 a.m.-4:30 p.m. (M-F) (after hours use by arrangement)	David M. Nelson Elaine Greenfield (office supervisor)	376-7003 376-7003
Univac 1004 terminal	125G Classroom Office Building	8:00 a.m.-10:00 p.m. (M-Th) 8:00 a.m.-6:00 p.m. (Fri) 9:00 a.m.-5:00 p.m. (Sat) (After hours by arrangement)	Naomi Miner (secretary) C. Bingham	373-1037 373-0988
Interactive instructional lab	125E Classroom Office Building	8:00 a.m.-5:00 p.m. (M-F) (after hours by appointment)	Naomi Miner (secretary) C. Bingham	373-1037 373-0988
Univac 1004 terminal	253 Biological Science	8:00 a.m.-5:00 p.m. (M-F)	Michael Simmons	373-1961