

# SPCC NEWSLETTER

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April 1976  
Volume 7, Number 3

27 North Hall  
St. Paul Campus  
373-0987 - 0990

## COMPUTING CENTER (NORTH HALL)

### 1. 1004 TERMINAL OPERATIONS

- a. North Hall continues to operate on an open-shop basis in Room 24 and welcomes all University staff and student users. Operations personnel will assist any user who requests help; please ask.
- b. Access to the terminal room and operations personnel supporting services are available from 7:00 a.m. until midnight, Monday through Friday and Saturdays from 8:00 a.m. until noon (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. 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.
- d. The key punch equipment (three model 26's), 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.

### 2. INTRODUCTORY AND INFORMATION SEMINAR

An introductory seminar for new and prospective users of the equipment and services available in the Computing Center is scheduled for Wednesday, April 21, from 3:05 to 4:30 p.m., in Room 6A North Hall. Those wishing to attend this seminar should call or write Eva Klein, 27 North Hall, 373-0987, providing her with your name, department, and telephone number.

### 3. IDENTIFICATION OF DATA ENTRY WORK

In recent months our Data Entry Section has been receiving more and more card punching destined for use on the CYBER 74. While we welcome this work, we ask that users indicate their intention of using University CDC computers. By this, supervisory personnel will be alerted to the need of using the 48-character punch codes (026 keypunch equipment) that are compatible to the CDC computers for data containing special characters, such as FORTRAN programs. Unless indicated otherwise, the 64-character punch codes produced by 029 keypunch equipment and common to our IBM 360 computer operations will be assumed.

### 4. HEWLETT-PACKARD EQUIPMENT

The operation and programming of the Hewlett-Packard programmable calculator (with digitizer and X-Y plotter) are demonstrated periodically. Those wanting a demonstration of this equipment should contact Jim Colten, consultant (373-0990), for making the necessary arrangements.

### 5. REMINDERS

- a. Preventive maintenance is scheduled for the IBM 360 computer equipment on Tuesdays, 8:00 to 10:00 a.m.

- b. The IBM 360 computer system usually is available after normal working hours (until 7:00 p.m.) for short-term debugging or production runs. Generally, long-term computer runs requiring longer than an hour are scheduled after 7:00 p.m.
- c. Please continue to identify all card decks stored in room 14 with the 'Data Set Identifier' labels available in that area.
- d. We wish to remind our patrons that the Center can presently handle only 9 track, 800 bpi magnetic tape on the IBM 360/30 equipment. In the event that users cannot control the recording characteristics of magnetic tape data files received from other installations, the SPCC staff can refer you to other computer centers within or outside the University for any necessary conversions.

## MINNESOTA ANALYSIS & PLANNING SYSTEM (MAPS)

### REVENUE SHARING FILE

Current estimates of the population and per capita money income for selected areas in each state, including Minnesota, are now part of the MAPS data base.

The population estimates relate to July 1, 1973, and the estimates of per capita income cover calendar year 1972. Areas included are all counties, places, and minor civil divisions. In addition to these estimates, April 1, 1970 population figures and 1969 per capita money income are shown for each area.

The estimates were developed to provide updates of the data elements in federal revenue sharing allocations under the State and Local Fiscal Assistance Act of 1972.

### SPECIAL CENSUS TABULATIONS BY RACE

Two special tabulations have been prepared recently by the Bureau of the Census for federal agencies needing racial data. The data are more detailed than those found in the 1970 Census reports or computer tapes, and MAPS has been notified that these files are now available as additional sources of information for users.

One file on Affirmative Action Data was prepared from the 1970 Census 15-percent sample records. It shows the number of persons 16 years old and older in the civilian labor force and their average (mean) 1969 earnings by race, sex, and occupation.

The other new file, entitled Detailed Race by Age by Sex, is a special tabulation from the 1970 Census complete-count basic records showing age by sex for detailed minority races not shown on standard summary tapes.

### STATE AUDITOR'S REPORT

The 1974-75 Minnesota State Auditor's Report on cities, which has been processed and computerized at MAPS, will soon be printed and released to the public.

The financial data for the annual report cover the revenues, expenditures, indebtedness, taxable valuations, and tax levies of all 855 cities in Minnesota.

At MAPS, the information is available on computer tapes for machine-tabulation and further analysis. In addition, the Auditor's reports from fiscal years 1967-68 through 1973-74 are available at MAPS on tape for comparison and analysis.

## 1974 CENSUS OF AGRICULTURE

Preliminary reports from the findings of the 1974 Census of Agriculture will be published between April and July for each county in the U.S. with 10 farms or more as well as for each state and the U.S. as a whole.

According to the U.S. Department of Commerce, Bureau of the Census, these reports contain data for all farms and for farms with sales of \$2,500 and more.

The Bureau has indicated that the Minnesota County Preliminary Reports will be released in May or June. However, the computer tape for Minnesota will not be available until several months after the preliminary reports are released.

Between July and November of this year, the state reports, which include separate data for all farms and for farms with sales of \$2,500 and more, will be published.

## MAPS USERS SEMINAR

Half-day MAPS Users Seminars are scheduled for April 13, June 8, August 10, October 19, and December 14. The Seminar provides information on services, available resources, and MAPS extensive data base, which includes the 1970 Census of Population and Housing and a large number of specialized economic, fiscal, and demographic files on the state of Minnesota.

To register, or for additional information, call the MAPS office (376-7003). There is no charge for the seminar which runs from 9 a.m. to about noon in room 401 Coffey Hall.

## MINNESOTA PERSONAL INCOME DATA

Per capita personal income decreased between 1973 and 1974 in 67 of Minnesota's 87 counties according to estimates released recently by the Bureau of Economic Analysis (BEA), U.S. Department of Commerce.

The printed tables for counties and Standard Metropolitan Statistical Areas (SMSAs) in Minnesota include the new 1974 figures as well as revised figures for the years 1965 through 1973.

## CLASSROOM OFFICE BUILDING COMPUTING FACILITIES

The facilities in room 125 Classroom Office Building will be available from 8 a.m.-9 p.m. MW, 8:30 a.m.-9 p.m. TuTh, 8 a.m.-6 p.m. F, and 9 a.m.-2 p.m. on Saturdays. The facilities include a Univac 1004 terminal with access to the University's CYBER 74 and the MERITSS instructional time-sharing lab. Two 30 cps terminals have been added in the MERITSS lab, for a total of 13 terminals, five of which can be used at 30 cps.

Statistical computing consultants, offering free advice on the use of statistical packages, will be available approximately 20-30 hours per week. Additionally, the statistical clinic, staffed by School of Statistics graduate students with support from the Applied Statistics faculty, offers free advice to the University community on all aspects of statistical problems, including designing experiments, and analyzing data already collected. Hours for both the computing consultants and for the clinic can be obtained by calling Ron Taylor at 373-1037.

Further information concerning the facilities in room 125 ClaOff can be obtained by calling 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 Pam Kaufman (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 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)	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
		7:00 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
		7:00 a.m.—Midnight (M-F)	Operations staff	373-0990
		8:00 a.m.—Noon, Sat.	Operations staff	373-0990
MIRJE teletype terminal (for research use only)	24 North Hall	8:00 a.m.—4:30 p.m. (M-F)	Jim Colten (consultant)	373-0987
		7:00 a.m.—Midnight (M-F)	Operations staff	373-0990
		8:00 a.m.—Noon, Sat.	Operations staff	373-0990
Hewlett-Packard 9100B	20 North Hall	By arrangement	Secretary or Operations staff	373-0990
CDC 200 terminal	415 Coffey Hall	7:45 a.m.—9:30 p.m. (M-F)	Tom Ehlen	376-7003
		7:45 a.m.—9:30 p.m. (M-F)	Elaine Greenfield (office supervisor)	376-7003
		7:45 a.m.—4:30 p.m. (M-F)		
		(after hours use by arrangement)		
MIRJE teletype terminal (for research use only)	415 Coffey Hall	7:45 a.m.—9:30 p.m. (M-F)	Tom Ehlen	376-7003
		7:45 a.m.—9:30 p.m. (M-F)	Elaine Greenfield (office supervisor)	376-7003
		7:45 a.m.—4:30 p.m. (M-F)		
		(after hours use by arrangement)		
Univac 1004 terminal	125G Classroom Office Building	8:00 a.m.—9:00 p.m. (MW)	Consultant	373-0829, 376-3846
		8:30 a.m.—9:00 p.m. (TTh)	R. Taylor (secretary)	373-1037
		8:00 a.m.—6:00 p.m. (F)	C. Bingham	373-0988
		9:00 a.m.—2:00 p.m. (Sat.)	S. Weisberg	373-1068
Interactive instructional lab	125E Classroom Office Building	8:00 a.m.—9:00 p.m. (MW)	Consultant	373-0829, 376-3846
		8:30 a.m.—9:00 p.m. (TTh)	R. Taylor (secretary)	373-1037
		8:00 a.m.—6:00 p.m. (F)	S. Weisberg	373-1068
		9:00 a.m.—2:00 p.m. (Sat.)		
Univac 1004 terminal	257 Biological Science	9:00 a.m.—4:30 p.m. (M-F)	Pam Kaufman (consultant)	376-3067