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# S.T. PAUL CAMPUS COMPUTING NEWSLETTER

February 1979  
Volume 10, Number 2

33 North Hall  
St. Paul Campus  
383-0987, 0990

## COMPUTING CENTER (North Hall)

### 1. ANNOUNCEMENTS (Equipment Changes)

- a. On Saturday, January 20th the configuration of the IBM 360/30 Computer was changed to include additional memory and 2 selector channels. Heavy users of disk and tape devices should find significant improvement in performance. Users will also have approximately 55% more memory available to them for their problem programs.

The 1401 Computer Compatibility Mode was dropped from the computer system because of infrequent use. Those now wishing to run 1401 programs should confer with our consultants (26-28 North Hall).

- b. The Center has installed an IBM 5100 Mini-Computer in a cooperative effort to support the University teaching programs. The system installed has a 32K memory with both the APL and BASIC languages. Those wishing to use this equipment (located in 35 North Hall) should sign in/out on the log sheets as requested (a budget number should be provided for non-educational uses).
- c. The 2 remaining IBM 026 Key Punch machines have been recently replaced by IBM 029 Key Punch machines.
- d. The recent installation of a Data Entry Key-Disk system has allowed the Center to sell 17 out of 18 of its IBM 129 Data Recorders. One remains available for special 129 buffered job functions.

### 2. STATISTICAL ANALYSIS SYSTEM (SAS)

With the additional memory recently installed the Center may be in a position to install the SAS statistical package. Should we find sufficient interest in this package we will make a serious effort to implement it. For this purpose we would like to identify prospective users. So stand up and be counted—please contact our secretary, Bobbie Roepke, 373-0987, 33 North Hall.

### 3. DATA ENTRY

- a. The Data Entry section still has a considerable backlog of work. Large scale jobs may take as long as 6-8 weeks to complete. We ask that users submit their work as far ahead of time as possible. Submitting work in small groups, rather than waiting until all your source materials are ready, should help turnaround. We appreciate your understanding and patience during this time.
- b. The new Data Entry Key-Disk system allows data that is entered to be ultimately transcribed to reusable magnetic tape (card output is optional). We are encouraging users with large data entry jobs (those exceeding 2000 records)

to use magnetic tape thus saving the Center 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.

### 4. UCC REMOTE ENTRY 1004 TERMINALS

- a. North Hall continues to operate two 1004 Terminals on an open-shop basis in room 24 with an approximate access of 18 hours per day.  
Operations personnel and consultants are available to users for help when needed. Don't hesitate to ask for help.
- b. Diverted output listings from Lauderdale continue to go unclaimed. If you have any questions regarding 'lost' listings ask for help from someone on our staff.
- c. Kindly report all equipment failures to someone on our staff as soon as possible.

### 5. INTRODUCTORY AND ORIENTATION SEMINAR

An introductory seminar for new and prospective users of the equipment and services available in the Computing Center is scheduled for Wednesday, February 14, from 3:30 to 4:30 p.m., in room 6a, North Hall. Those wishing to attend this seminar should call or write Bobbie Roepke, 33 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

- a. IBM 360 model 30
- b. Univac 1004 terminal
- c. Teletype Terminal (MIRJE)
- d. Hewlett-Packard programmable calculator
- e. Unit-record equipment (sorters, reproducers, etc.)
- f. Keypunch equipment
- g. Miscellaneous equipment (copier, burster, decollator, etc.)

#### Services

- a. Application programming
- b. Computer programming consulting
- c. Keypunching
- d. Unit-record and computer equipment operations
- e. Software available

#### Miscellaneous

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

## 6. MISCELLANEOUS

- a. We recently expanded our mailing-lists and mailing-labels programs to handle additional workloads and user options. The IBM 360/30 still remains one of the most economical means for providing this type of service. Should you wish to inquire about the services we offer in this area, please contact Dave Schempp or Mel Sauve.
- b. Users are invited to use the suggestion box (recently relocated to room 24).

## MINNESOTA ANALYSIS & PLANNING SYSTEM (MAPS)

### 1976 COUNTY BUSINESS PATTERNS

The 1976 County Business Patterns file — with data on employment, payrolls, and establishments — is now available from the Bureau of the Census. County Business Patterns for 1970 through 1975 are currently on file in the MAPS office.

The data are presented by 2, 3, and 4-digit levels of the Standard Industrial Classification (SIC) for states and counties. The annual series also includes a separate paper-bound report for the U.S., each state, and the District of Columbia.

CBP is a standard reference source of small-area data for business, market researchers, and industrial and civic planners. The data are especially useful for analyzing market potentials, determining location and size of sales territories, establishing sales quotas and advertising budgets, location producing, marketing and service facilities.

The following industry categories are shown in detail in the County Business Patterns: agricultural services, forestry, and fisheries; mining; contract construction; manufacturing; transportation; public utilities, wholesale and retail trade; finance, insurance and real estate; and services.

For further information, contact the MAPS office.

### MAPS USERS SEMINAR

The MAPS Users Seminar — now held on a quarterly basis — will next be offered on Thursday, May 3.

The session will deal with the 1980 Census developments and preparations being made by MAPS and other groups in the state to distribute and provide access to the 1980 data.

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 (612-376-7003). There is no charge for the seminar which runs from 9 a.m. to noon in Room 101 Coffey Hall on the St. Paul Campus.

### RAFT PROJECT

Management of the Rapid Analysis Fiscal Tool (RAFT) project is being transferred to the Minnesota Analysis and Planning System (MAPS) from the Center for Urban and Regional Affairs (CURA).

The transition will occur over the next few months.

RAFT is an information system designed to provide users with an analytical tool for evaluating fiscal policy. The project evolved from activities of the Upper Midwest Research and Development Council and the Citizens League. CURA assumed management of RAFT in 1971.

RAFT's purpose is to provide the basic data used in fiscal policy analysis, with an intention toward putting data in an accessible form and keeping them up-to-date. RAFT has, as well, a capability to simulate policy proposals to test the effects.

For further details on the transfer and use of RAFT, contact the MAPS office.

### BEA INCOME AND EMPLOYMENT DATA

Income and employment data on the State of Minnesota for 1976 have recently been released by the Bureau of the Economic Analysis (BEA), Department of Commerce.

The two separate tables, now part of the MAPS data base, provide personal income information for metropolitan areas as well as for all counties in Minnesota from 1969 to 1976, and employment data for Minnesota from 1971 to 1976.

The MAPS data base also contains income and employment figures for years prior to 1969. Individuals interested in accessing the tables available should contact the MAPS office.

MAPS will also notify those individuals who wish to be informed of any BEA data released in the future. Send your name and address to the MAPS office for this service.

### 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.

### SCHEDULE FOR STATISTICAL CLINIC, WINTER 1979

Monday	8-12	(PC)	2-4	(EB)		
Tuesday	9-12	(JR)	12:30-5	(RP)	2-4	(DJ)
Wednesday	8-12	(PC)	3:30-5:30	(RC)		
Thursday	8-10	(RM)	10:30-3	(BA)	1-3	(TM)
Friday	8-12	(PC)	12-3	(RP)		

PC=Phil Chapman

JR=John Rogers

RC=Ron Christensen

EB=Ed Bedrick

RP=Rick Picard

BA=Bernhard Arbogast

RM=Roy Mensch

DJ=Dennis Jennings

TM=Tom Miller

**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)	Keypunch Supervisors	373-0992
		8:00 a.m.—4:30 p.m. (M-F)	Secretary (account clerk)	373-0990
		7:45 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
		7:45 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)	35 North Hall	8:00 a.m.—4:30 p.m. (M-F)	Jim Colten (consultant)	373-0987
		7:45 a.m.—Midnight (M-F)	Operations staff	373-0990
		8:00 a.m.—Noon (Sat)	Operations staff	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)	David M. Nelson	376-7003
		7:45 a.m.—4:30 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.—4:30 p.m. (M-F)	David M. Nelson	376-7003
		7:45 a.m.—4:30 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.—10:00 p.m. (M-Th)		
		8:00 a.m.—6:00 p.m. (Fri)	Naomi Miner (secretary)	373-1037
		9:00 a.m.—5:00 p.m. (Sat)	C. Bingham	373-0988
		(After hours by arrangement)		
Interactive instructional lab	125E Classroom Office Building	8:00 a.m.—10:00 p.m. (M-Th)		
		8:00 a.m.—6:00 p.m. (Fri)	Naomi Miner (secretary)	373-1037
		9:00 a.m.—5:00 p.m. (Sat)	C. Bingham	373-0988
		(after hours by arrangement)		
Univac 1004 terminal	253 Biological Science	8:00 a.m.—5:00 p.m. (M-F)	Michael Simmons	373-1961