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DEADLINE FOR THE APRIL ISSUE IS MARCH 23.

BULLETINS



THE NEXT USER MEETING WILL BE MAY 26. MARK YOUR CALENDAR.



Computing in the Arts & Humanities:
Interested in using a computer as a tool in your studies? Vicki Walsh (see the December issue of this newsletter) has started a special newsletter to deal with these special applications. If you wish to see a copy, call 373-7744.

A special newsletter about microcomputers will be out this quarter. Watch for it.

UCC newsletter

Volume 13 Number 3 March, 1979

Director: Peter C. Patton
Editor : A. Koepke

Comments about the content of this newsletter, or suggestions for changes may be directed to the editor, 235a Experimental Engineering, 373-7744.

The University of Minnesota adheres to the principle that all persons shall have equal opportunity and access to facilities in any phase of University activity without regard to race, creed, color, sex, age, or national origin.

A COMPUTER STORE

The University Computer Center has received preliminary approval to operate a "computer store." This computer store will be another service provided by the UCC for other University Departments, and agencies affiliated with the University of Minnesota. The store will be a central source for various computer-related supplies and accessories at reasonable prices. All supplies and accessories purchased will be paid for with a University journal voucher. Departments should present a signed journal voucher to the UCC at the time of purchase. There will be no cash sales at this time. A preliminary price list is available.

The computer store will be located in Experimental Engineering. See the receptionist in 227 ExpEng for directions.

The initial trial period for the computer store will run through June 30, 1979. This trial period should let us evaluate the operation thoroughly. We would be pleased if you would help us with this evaluation. All comments and suggestions would be more than welcome.

For more information, call

D. Whealdon, 376-8153
373-4877

MINITAB

A new command, TSPLIT, has been added to MINITAB:

TSPLIT of data in C

does a time-series plot of the data in column C. The data is assumed to have a period of 10, and the characters 1,2,...9,0 are used to plot the points in each period. Each full period is labeled on the x-axis.

TSPLIT with period K the data in C

does a plot as above, but assumes the data has a period of K. The first K characters of the sequence 1,2,...9,0,A,B,...,Z are used to plot the points in each period.

TSPLIT with period K start at K data in C

does the plot as above, but uses the second K parameter to indicate the point in the first period at which the data start.

B. Hinkley, 376-2773

SAVING PAPER

The employees at a number of paper mills are currently on strike. As a result of these strikes, there have been spot shortages of paper products, and, of course, a general price increase.

We have supplies for the next two months at normal usage, but if the strikes continue, the situation will be similar to that experienced five years ago. These paper saving suggestions are repeated from a 1974 newsletter:

1. Use as much of a printed page as possible; use full width (132 columns) and remove blank lines.
2. Compact your printed output; avoid page ejects, and use UNPAGE whenever you can.
3. Suppress source listings and cross reference maps whenever possible.
4. Do not produce loader maps unless absolutely necessary.
6. Consider using microfilm for long listings.
7. Recycle computer paper and cards. If you have listings of 100 pages or longer, bring them in and we will re-use the paper for printing on systems time.
9. Use 8 lines/inch at the high-speed printers.

L. Liddiard, 373-5239

USER MEETING

The Winter Quarter User's Meeting was held on February 22nd. We noted attendees from the following University departments: Psychology Research, School of Public Health, Biometry, Surgery, Classics, Administrative Data Processing, Institute of Child Development, Computer Science, Dentistry, Admissions and Records, and the St. Paul Campus Computer Center.

The Spring Quarter user's meeting will be held on May 16th on the West Bank Campus.

YES, SIR

SIR (Scientific Information Retrieval) Version 1.1 is now available as a FUTURE version on the Cyber systems. Use:

FUTURE(SIR)
SIR.

If you have any questions, please call
J. Cosgrove, 376-1761

PRODUCTION USAGE SUMMARIES: Cyber 74/172

	Cyber 74/172* January, 1979	Cyber 74 January, 1978
System resource units (SRU)	1,256,272 (1,600,579)	-
Batch jobs and MIRJE sessions	101,201 (112,129)	89,274 (99,199)
Central processor hours inc. DELAY	209/109 (235/195)	167 (207)
DELAY queue processor hours	88/14 (89/19)	43 (48)
MIRJE terminal hours	10,897 (12,662)	7,690 (9,389)
Mass storage transfers (KPR)	340,218 (445,062)	277,123 (352,522)
Magnetic tape transfers (KPR)	5,659 (10,745)	4,874 (6,668)
Pages printed, charged from UCC	902,314 (1,037,320)	811,559 (909,244)
Cards punched	386,255 (469,905)	428,907 (473,036)
Microfilm frames produced	21,083 (385,887)	15,898 (280,039)
Statos plotting production (feet)	9,292	6,676
Tapes mounted	11,646	9,243
Average file storage (char)	1,790.4 million	1,150.6 million
Mean time between failures	88.3/76.6 hours	28.2 hours
Available during scheduled hours	98.9/99.3 percent	97.3 percent
SUPIO uptime during available hours	93.9 percent	98.1 percent

(totals in parentheses include staff development, accounting, and maintenance runs)
 *Note change to combined 74/172 accounting as of January 1, 1979.

DOWNTIME SUMMARY: February, 1979 (Column 1, Cyber 74 : Column 2, Cyber 172)

	Monday-Friday		other		total	
	0800-1800					
Total possible scheduled uptime hours	200.0	200.0	280.0	279.0	480.0	479.0
Total downtime hours (see Schedule A)	0.9	0.7	0.0	0.0	0.9	0.7
Total uptime hours	199.1	199.3	280.0	279.0	479.1	478.1
Uptime (percent)	99.6	99.7	100.0	100.0	99.8	99.9
Average downtime per occurrence (min)	18.7	20.5	-	-	18.7	20.5
Mean time between failures (hours)	66.7	100.0	-	-	160.0	239.5
Subsystem failures						
SUPIO	46	-	21	-	67	-
TELEX	0	0	1	0	1	0
EXPORT	0	-	4	-	4	-

Schedule A: downtime hours

	Number		Total hours		Average minutes	
(1) Preventive maintenance over-runs	0	0	0.0	0.0	0.0	0.0
(2) Software related problems	0	0	0.0	0.0	0.0	0.0
(3) Hardware related problems	1	2	0.6	0.7	34.0	20.5
(4) Indeterminate problems	2	0	0.4	0.0	11.0	0.0
(5) External Problems	0	0	0.0	0.0	0.0	0.0

PRODUCTION USAGE SUMMARIES: CDC 6400

	January, 1979	January, 1978
Number of jobs run	199,976	126,638
Central processor hours	132	83
MERITSS terminal hours	22,822	19,097
Number of terminal sessions	51,797	39,591
Maximum number of simultaneous users	120	105
Average file storage (char)	363.4 million	217.2 million
Mean time between failures	68.7 hours	39.7 hours
Available during scheduled hours	98.9 percent	98.9 percent

SUBMISSION SITE USAGE SUMMARY: TELEX EXCLUDED : February, 1979

submitted from	total jobs	%	pages printed	%	cards read	%
Lauderdale	3,494	4.1	471,017	33.3	1,758,826	16.1
ExpEng	6,274	7.3	230,434	16.3	1,907,101	17.5
West Bank	10,815	12.5	117,914	8.3	1,523,961	14.0
6400	214	0.2				
SUBMIT jobs	11,719	13.6				
SUPIO	53,664	62.3	594,993	42.1	5,716,843	52.4
TOTALS	86,180		1,414,358		10,906,731	

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
March 26	27	28	29	30
			Introduction to UCC	
April 2	3	4	5	6
Beginning COMPASS Record Manager BMDP	NOS Control Statements Sort/Merge Intermediate FORTRAN (n)	Beginning COMPASS Record Manager BMDP	NOS Control Statements Sort/Merge Intermediate FORTRAN(n)	Beginning COMPASS Record Manager BMDP
9	10	11	12	13
Beginning COMPASS Computing: What is it? Intro. to System 2000 Graphing Packages (n)	NOS Control Statements Intermediate FORTRAN (n) Graphing Packages (n)	Beginning COMPASS Computing: What is it? Intro. to System 2000	NOS Control Statements Intermediate FORTRAN(n)	Beginning COMPASS Computing: What is it? Intro. to System 2000
16	17	18	19	20
Intro. to System 200 SPSS (computer neophyte) Pascal Intro. to Timesharing	NOS Control Statements SPSS (SPSS neophytes) Intermediate FORTRAN(n)	Intro. to System 2000 SPSS(intermediates) Pascal Intro. to Timesharing	NOS Control Statements SPSS(intermediates) Intermediate FORTRAN(n)	Intro. to System 2000 SPSS On-Line Pascal
23	24	25	26	27
Pascal System 2000/PLI Computing: What is it?	NOS Control Statements SIR Intermediate FORTRAN(n)	Pascal System 2000/PLI	NOS Control Language SIR Intermediate FORTRAN(n)	Pascal System 2000/PLI
30	1	2	3	4
Pascal Advanced FORTRAN System 2000/RW Computing: What is it?	May SIR Intro. to Timesharing SPSS(descriptives)	Pascal Advanced FORTRAN System 2000/RW	SIR Intro. to Timesharing SPSS(Regression)	Pascal Advanced FORTRAN System 2000/RW
7	8	9	10	11
Advanced FORTRAN SNOBOL COBOL Intro. TERA Micros Computing: What is it?	DMS-170	Advanced FORTRAN SNOBOL COBOL Intro. TERA Micros	DMS-170	Advanced FORTRAN SNOBOL COBOL Intro. TERA Micros
14	15	16	17	18
Advanced FORTRAN SNOBOL COBOL Intro. TERA Micros System 2000 User Aids	DMS-170	Advanced FORTRAN SNOBOL COBOL Intro. TERA Micros System 2000 User Aids	DMS-170 Spring User Meeting	Advanced FORTRAN SNOBOL COBOL Intro. TERA Micros
21	22	23	24	25
COBOL		COBOL		COBOL
28	29	30	31	1
<u>HOLIDAY</u>	Advanced COBOL	Advanced COBOL	Advanced COBOL	June

Introduction to UCC (StP).... 2:15-4pm, Mar 29 (th), AgEng 102, RTF
 Beginning COMPASS..... 2:15-4pm, Apr 2 - 13 (mwf), Aero 309, KCM
 Record Manager..... 2:15-4pm, Apr 2 - 6 (mwf), Aero 211, SAR
 BMDP..... 2:15-4pm, Apr 2 - 6 (mwf), Ex 193, SPY
 NOS Control Statements..... 2:15-4pm, Apr 3 - 24 (tth), MechE 18, RTF
 Sort/Merge..... 2:15-4pm, Apr 3 - 5 (tth), Aero 321, SAR
 Intermediate FORTRAN..... 6:15-8pm, Apr 3 - 26 (tth), Aero 21, RTF
 Computing: What is it?..... 2:15-4pm, Apr 9 - 13 (mwf), Arch 60, LF/SG
 Introduction to System 2000.: 2:15-4pm, Apr 9 - 20 (mwf), Aero 319, JCC
 Graphing Packages..... 7:30-9:30pm, Apr 9 - 10 (mt), Laud*, KMM
 Pascal..... 3:15-5pm, Apr 16 - May 4 (mwf), Ex 193, ABM
 Intro. to Timesharing (StP):. 2:15-4pm, Apr 16 - 18 (mw), BioSci 18, RTF
 SPSS (computer neophytes).... 2:15-3:30pm, Apr 16 (m), VH 1, BH
 SPSS (SPSS neophytes)..... 2:15-3:30pm, Apr 17 (t), VH 1, BH
 SPSS (SPSS intermediates).... 2:15-3:30pm, Apr 18 - 19 (wth), VH 1, BH
 SPSS On-Line..... 2:15-3:30pm, Apr 20 (f), VH 1, BH
 Computing: What is it?..... 6:15-8pm, Apr 23 - May 7 (m), Arch 15, LF/SG
 System 2000/PLI..... 2:15-4pm, Apr 23 - 27 (mwf), Aero 321, SPN
 Scientific Info Retrieval.... 2:15-4pm, Apr 24-May 3 (tth), Aero 321, JCC
 NOS Control Language..... 2:15-4pm, Apr 26 (th), MechE 18, RTF
 Advanced FORTRAN..... 2:15-4pm, Apr 30 - May 18 (mwf), Arch 45, RTF
 System 2000/Report Writer.... 2:15-4pm, Apr 30 - May 4 (mwf), Arch 60, JCC
 Introduction to Timesharing.: 2:15-4pm, May 1 - 3 (tth), Arch 40, RTF
 SPSS (descriptives)..... 2:15-3:30pm, May 1 (t), MechE 18, BH
 SPSS (Regression)..... 2:15-3:30pm, May 3 (th), MechE 18, BH
 COBOL..... 3:15-5pm, May 7 - 25 (mwf), Arch 10, JCC
 Introduction to TERA micros: 3:15-5pm, May 7 - 18 (mwf), Arch 5,
 SNOBOL..... 3:15-5pm, May 7 - 18 (mwf), Arch 30, JPS
 DMS-170..... 2:15-4pm, May 8 - 17 (tth), Arch 40, JCC
 System 2000 User Aids..... 2:15-4pm, May 14 - 16 (mw), Aero 211, DK
 Spring Quarter Users Meeting: 2:15-4pm, May 17 (th), BlegH 10
 Advanced COBOL..... 2:15-4pm, May 29 - 31 (twth), ChemE 50, JCC

These short courses are offered by the University Computer Center.

They are free and require no registration.

For more information, please call Lincoln Fetcher (376-1637) or see WRITEUP, CLASSES.

* Lauderdale Conference Room, Lauderdale Computer Site 2520 Broadway Drive

\$ NOTE: Dollar sign (\$) indicates a change in the schedule since its first publication.

CYBER 74/172 OPERATING HOURS

Sun																			
Mon *																			
Tue *****																			
Wed *****																			
Thu *****																			
Fri *****																			
Sat *****																			
	0115	0400	0800				1600							2400					

***** Lauderdale only, DELAY rate
 ||||| Lauderdale, ExpEng, DELAY rate
 <><><> Lauderdale, ExpEng, West Bank, NORMAL rate
 \$\$\$\$\$\$ Lauderdale, ExpEng, West Bank, DELAY rate

SUPIO (RJE terminals) comes up 1/2 hour after operation begins and closes down 1/2 hour before operation ends.

TELEX (MIRJE terminals): the operator will issue a 10 minute warning before TELEX is dropped.

See WRITEUP, HOURS for schedule of batch job pickup/delivery service at Lauderdale and Experimental Engineering.

TWIN CITIES CAMPUS PUBLIC REMOTE JOB ENTRY SITES

Site	ID	supervisor	phone	*
East Bank				
ElectE 38	4V	J. Guentzel	373-5404	2
Elth N640	4W	D. Anderson	373-5827	2
ExpEng 130	4B	Shift Supervisor	373-4596	1
FrontH	4E	M. Kilbury	373-2740	1
KoltH S191	4Z	G. Schuette	376-7375	4
Lindh	4N	M. Schneider	373-7582	
HS-A 1-752	4C	L. Ellis	373-0331	1
MinMet 321	41	M. Weber	373-2302	3
Physics 69	44	L. Whitney	376-7627	3
SpaSci 134	43	A. Perandi	373-7881	1
TerrH W106	4I	R. Swanson	373-6621	1
VFWCRC	2D	L. Croatt	373-7714	1
Zoology 314	4J	E. Cushing	373-2232	1
West Bank				
SocSci 167	4X	R. Dykstra	373-3608	2
SocSci 1009	4K	T. Kroening	373-0168	1
St. Paul				
BioSci 257A	47	M. Simmons	373-1961	1
ClaOff 125G	48	C. Bingham	373-0988	3
McN H	42	B. Conklin	376-2539	1
NorH 24	4G	J. Colten	373-0990	1
Lauderdale				
User's Room 49		Secretary	373-4912	5

*additional keypunches in 131 ExpEng, 86 BlegH, 140 ExpEng, and 90 BlegH. 90 BlegH(1).

CDC 6400 OPERATING HOURS

Sun																						
Mon																						
Tue <>																						
Wed <>																						
Thu <>																						
Fri <>																						
Sat <>																						
	0130	0730/0745					1600			1800				2400								

***** up, not attended
 <><> up, attended

TWIN CITIES CAMPUS INSTRUCTIONAL COMPUTER LABORATORIES

Site	Supervisor	phone	equipment
East Bank			
CentH	R. Rickgarn	373-2289	TTY(1)
DiehlH 535	N. Sauro	376-7005	CRT(2)
Elth 121,125	D. Anderson	373-5827	TTY(6) CRT(5) Printer(1)
FrontH			
HS-A 1-752	M. Kilbury	373-2740	TTY(1)
	L. Ellis	373-0331	TTY(6) CRT(2)
Lindh 25			
	M. Schneider	373-7582	CRT(6) Decwriter(4) TTY(5) Printer(2) Tektronix(1)
MechE 308			
	D. Riley	373-2977	TTY(10) CRT(2)
TerrH			
VincentH 4	B. Hackett	373-3567	TTY(1)
	W. Stenberg	376-7529	TTY(11) CRT(2)
Walib 204*			
	R. Estelle	373-5195	Decwriter(10) CRT(4)
West Bank			
MdbH	R. Baker	373-9818	TTY(1)
SocSci 167	R. Dykstra	373-3608	TTY(8) CRT(4) Decwriter(1)
SocSci 1009			
	R. Anderson	373-0177	TTY(3) CRT(2)
St. Paul			
ClaOff 125	C. Bingham	373-0988	TTY(9) CRT(3) Decwriter(2) DI/AN(1)

*for CAI use only

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RETURN TO:

User Services
University Computer Center
227 Experimental Engineering
University of Minnesota
208 Union Street SE
Minneapolis, Minnesota 55455

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11 WALTER LIBRARY
UNIVERSITY OF MINNESOTA
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117 PLEASANT STREET SE
MINNEAPOLIS MN 55455