Request for Comments # 403
Network Information Center # 11925

G. Hicks
Utah
10-JAN-73

Desirability of a Network 1108 Service

We have, at the University of Utah, a Univac 1108 that supports the Univac EXEC 8 system. At the recent ICCC conference in Washington, there was some interest expressed in making this computer available to the ARPANET. At present it is not so available. Since there is communication currently between the 1108 and the Utah PDP-10, it would require minimal programming effort to make the 1108 available for network use.

We would appreciate your comments if you think this service would be desirable. Please direct your comments to:

Gregory Hicks
Computer Science Department
Merrill Engineering Building 3160
University of Utah
Salt Lake City, Utah 84112

or to:

Ed Sharp
Director, Computer Center
Merrill Engineering Building 3116
University of Utah
Salt Lake City, Utah 84112

Enclosed please find:
(1) a brief description of the services available.
(2) pricing schedule.
(3) time schedule when the EXEC 8 system is available for use.

Facilities at the University of Utah

The University of Utah owns a large Univac 1108 computer system with six tape drives, seven high speed drums, 262 megabytes of on line storage, as well as communication equipment for low speed (teletype) timesharing and high speed (Remote Job Entry or RJE) batch terminals. The Computer Center also has available a large (48" x 60") high precision flatbed Plotter, an Optical Scanner and a Digitizer. Current (December 72) remote terminals include RJE devices in Logan, Provo, Salt Lake City (four terminals): Montrose, Durango, Boise and Boulder City, as well as timesharing devices in several of the western states. RJE terminals will shortly be ordered for Denver, Amarillo, Billings and Sacramento. Additional ports have been ordered to allow for further timesharing use of the 1108.

The Center is open 24 hours a day, seven days a week. Computing rates are considerably lower than commercial rates and jobs generally cost less to process at the University than at other state facilities.

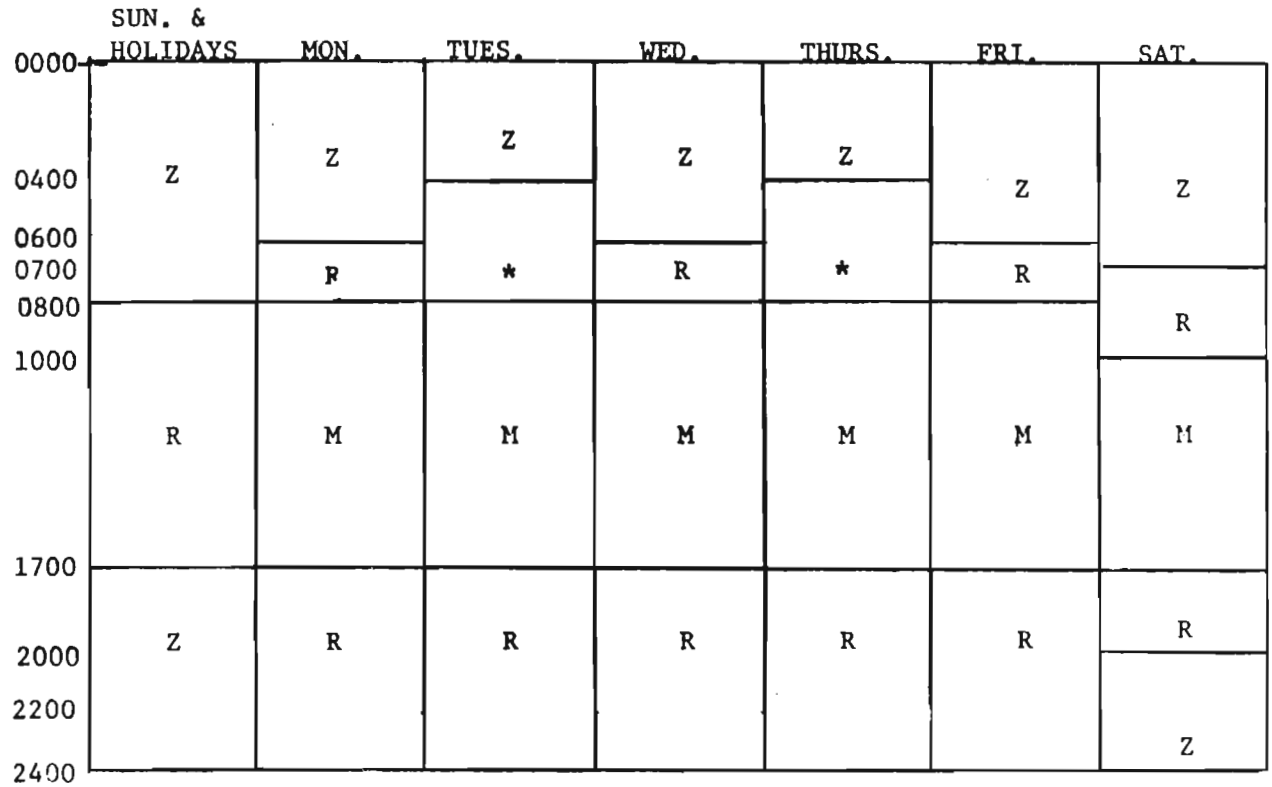
Available software include languages such as FORTRAN, COBOL, SNOBOL, APL, BASIC, MAD, ALGOL, LISP, a Text Editor and an Assembler. A wide variety of scientific and statistical routines are available, including the two best known statistical systems and an excellent set of mathematical subprograms. Several simulation packages, as well as an LP program, are available for use.

1108 COMPUTER PRIORITY/RATE SCHEDULE

	PRIORITY	RATE IN CENTS/SEC.	PRIORITY	RATE IN CENTS/SEC.
EXEC 8 RESERVED	A-F		O	13
Highest user option	G	45	P	12
	H	30	Q	11
	I	21	R	10
	J	19	S	9
	K	17	T	8
	L	16	U	7
	M	15	V	6
	N	14	W-Z	5

These priorities apply to batch and remote batch jobs. Teletype or interactive service is assigned a priority/rate equal to 6 cents above the lowest priority being accepted at the time of use. Please see below for the time schedule of priorities.

TIME SCHEDULE OF PRIORITIES



The above schedule is for normal operating conditions. If you are planning to do on site work a call to 581-6111 will confirm the current operation status of the facilities. Normally, we expect to get all jobs with priority of 'R' or higher run overnight. We cannot guarantee overnight turn around of priority S and below but every effort will be made to accomodate all work.

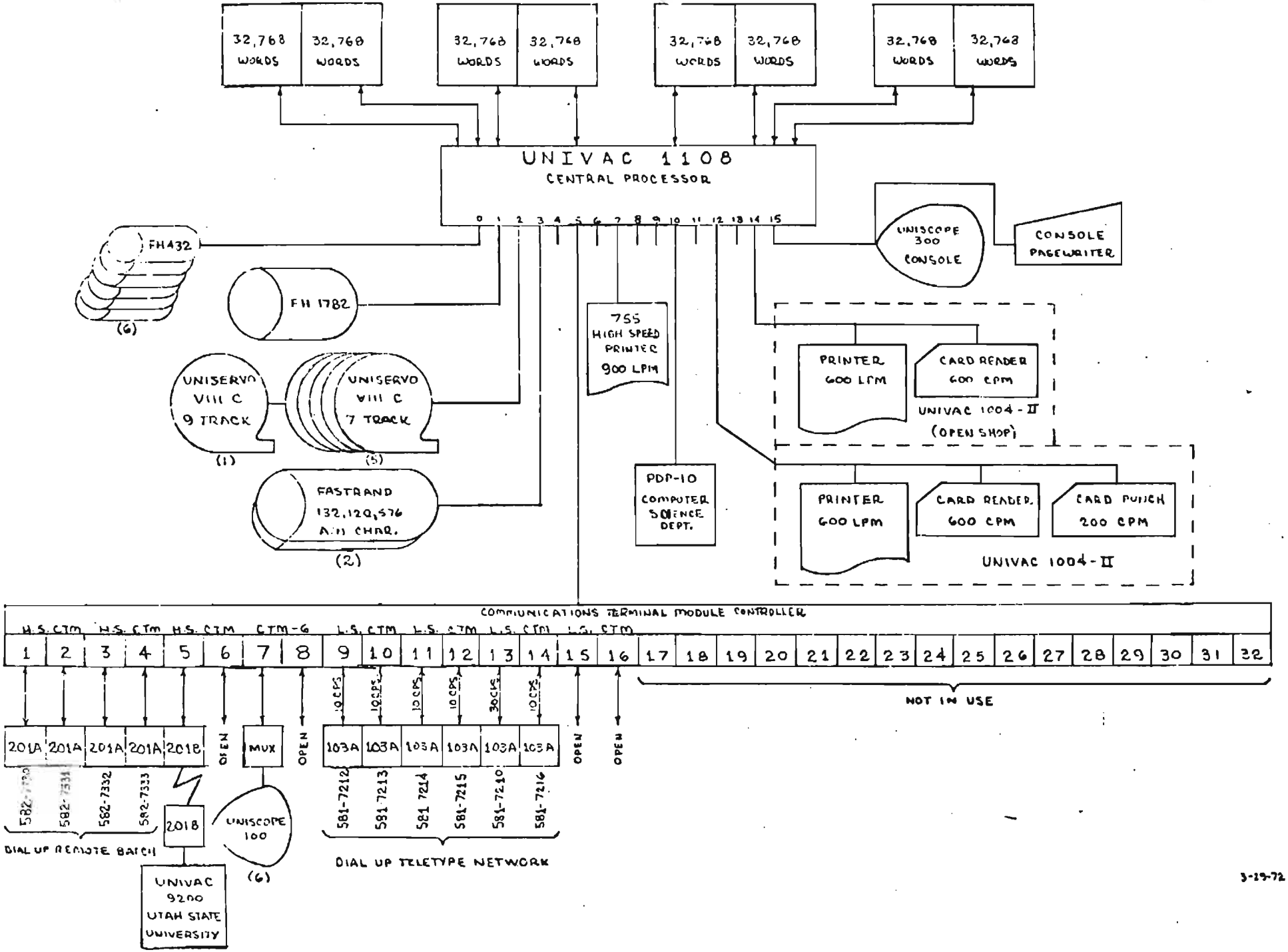
* PREVENTITIVE MAINTENANCE

October 26, 1972

UU/CC Rate Schedule

Code	Service	Rate
41	1108 Secs - CPU	$ .15/sec.
42	1108 Secs - I/O	.15/sec.
40	Demand Terminal connect time	3.00/hr.
95	Pages	.03/page
31	Pages - Remote Station	.00/page
96	Cards in	.0005/card
32	Cards in - Remote Station	.00/card
97	Cards out	.006/card
33	Cards out - Remote Station	.000/card
98	Tape Mounts	.45/tape
81	Gerber Plotter	.0025/inch
73	Mass Storage	.04/trk/day
70	Calma Digitizer	5.00/hr.
90	Paper Tape Plot	30.00/hr.
17	Optical Scanner	.02/page
91	Misc. Machine Usage	1.50/hr.
	Reproducer/Interpreter/Sorter/Keypunch	
*76	Machine Rental	
11	Keypunching/verification	5.50/hr.
10	Programming/Consulting	10.50/hr.
15	Clerical Services	4.00/hr.
*68	Supplies	
	Labels	4.00/1000
	Coding forms	1.00/pad of 100
	Cards	2.50/box or 11.50 case
	Score Sheets	.012 sheet or 12.00/1000
	Mult. Masters	.10/sheet
	Special Paper	
	1 part 14 7/8 X 11 lined	$11.50/case
	2 part " "	12.50/case
	3 part " "	14.00/case
	4 part " "	14.00/case
	5 part " "	17.25/case
	6 part " "	25.00/case
	1 part " bond	12.50/case
	4 part " "	12.50/case
	1 part 8 1/2 X 11 "	11.00/case
	4 part " "	14.00/case
	Tapes	
	600 feet	8.00
	1200 feet	11.00
	2400 feet	15.00
*69	Misc. Charge	

* Requires special pricing - Billed at $ Amount only.


32,768 WORDS
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UNIVAC 1108
CENTRAL PROCESSOR
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
FH432
(6)
FH 1782
UNISERVO VIII C 9 TRACK
(1)
UNISERVO VIII C 7 TRACK
(5)
FASTRAND 132,120,576 A.N. CHAR.
(2)
755 HIGH SPEED PRINTER 900 LPM
PDP-10 COMPUTER SCIENCE DEPT.
UNISCOPE 300 CONSOLE
CONSOLE PAGEWRITER
PRINTER 600 LPM
CARD READER 600 CPM
UNIVAC 1004-II (OPEN SHOP)
PRINTER 600 LPM
CARD READER 600 CPM
CARD PUNCH 200 CPM
UNIVAC 1004-II
COMMUNICATIONS TERMINAL MODULE CONTROLLER
H.S. CTM H.S. CTM H.S. CTM CTM-G L.S. CTM L.S. CTM L.S. CTM L.S. CTM
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
NOT IN USE
10 CPS
10 CPS
10 CPS
10 CPS
30 CPS
10 CPS
201A 201A 201A 201A 201B
OPEN
MUX
OPEN
103A 103A 103A 103A 103A 103A
OPEN
OPEN
582-7330
582-7331
582-7332
582-7333
DIAL UP REMOTE BATCH
2018
UNISCOPE 100
(6)
UNIVAC 9200 UTAH STATE UNIVERSITY
581-7212
581-7213
581-7214
581-7215
581-7210
581-7216
DIAL UP TELETYPE NETWORK
3-29-72