Request for Comments # 403   G. hicks
Network Information Center # 11925   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 interact-
ive 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

Time	SUN. & HOLIDAYS	MON.	TUES.	WED.	THURS.	FRI.	SAT.
0000							
	Z	Z	Z	Z	Z		Z
0400						Z	
0600							
0700		R	*	R	*	R	
0800							R
1000							
	R	M	M	M	M	M	M
1700							
	Z	R	R	R	R	R	R
2000							
2200							Z
2400							

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

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.

UNIVAC 1108 CENTRAL PROCESSOR

32,768 WORDS | 32,768 WORDS | 32,768 WORDS | 32,768 WORDS | 32,768 WORDS | 32,768 WORDS | 32,768 WORDS | 32,768 WORDS

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

FH 432 (6)

FH 1782

UNISCOPE 300 CONSOLE

CONSOLE PAGEWRITER

755 HIGH SPEED PRINTER 900 LPM

UNISERVO VIII C 9 TRACK (1)

UNISERVO VIII C 7 TRACK (5)

FASTRAND 132,120,576 A.N. CHAR. (2)

PDP-10 COMPUTER SCIENCE DEPT.

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-6		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 | 2018 | OPEN | MUX | OPEN | 103A | 103A | 103A | 103A | 103A | 103A | OPEN | OPEN

582-7330 | 582-7331 | 582-7332 | 582-7333

2018

UNISCOPE 100 (6)

581-7212 | 581-7213 | 581-7214 | 581-7215 | 581-7210 | 581-7216

UNIVAC 9200 UTAH STATE UNIVERSITY

DIAL UP REMOTE BATCH

DIAL UP TELETYPE NETWORK

3-29-72