

Honeywell

J. Saltzer
For your information

To: List of Attendees

cc: RE Hoffman
JR Ohlin

Subject: FORUM Minutes for March 27, 1973

Attendees:	WJ Burner	RM Gross	JR Steinberg
	CT Clingen	EN Kleinow	DR Vinograd
	RC Daley	RA Roach	SH Webber
	JW Gintell	LJ Ryan	

A. H6180 Hardware Status

- 4 DSU-190's were received on Friday; by Wednesday at least one will be cabled and running - will try for 3. One has a power-up problem.
- Parity errors appeared simultaneously in all Memories and may have been due to a CPU problem.
- All CO's have been installed in both CPU's so that they are now identical; debugging and testing is in progress.
- All 2 million words of Bulk Store (all with reworked connectors) is installed. The second million words needs more checkout.
- The Service PRT202 was replaced with the PRT300 from 545 Tech Square.
- Development 355/DIA had a bad chip replaced.
- Additional window fans were installed to attempt to keep the temperature below 90 degrees.
- An air conditioning improvement involving the fan speed will be installed on Saturday morning.

B. H6180 Software Status

- A number of minor bugs have been fixed; notably a new set of 6180 and 355 Typewriter software has been installed which should fix a major portion of bugs.
- One dual CPU test was attempted which did not work.
- A Version 1 PL/I compiler bug exists which may hamper user and system recompilations. It will be fixed.
- On or about June 1, Burner will announce to users that Version 1 PL/I will be deinstalled on or about September 1.
- Both Version 5 and Version 6 BASIC are working on the 6180. Version 6 will be the default for the 6180 whereas Version 5 was the standard for the 645. DTSS should be upgraded to reflect this change sometime before the Fall.
- LISP works on the 6180; it is a different version than the standard installed on the 645 but it is expected that this will be no problem since all Project MAC users already use the new LISP.
- EIS testing has produced some preliminary timing statistics. In particular an 18 character move which takes 30 micro-seconds takes 12 with a PL/I Operator that uses the EIS and 6 with in-line PL/I code.

FORUM - 3/27/73

C. Communications, Consoles and Terminals

- 29 modems will be removed from the 645 this weekend in preparation for moving a Tuck box to the 6180. No more removals will be made until 6180 Service is on.
- Burner will check on delivery of the T300 Operator's console.

D. Progress on Service

- There were 52 crashes during the week running from Monday to Sunday. The following analysis is only approximate.

<u>Cause of Crash</u>	<u>No</u>	<u>Comments</u>
TTYDIM/355	28	Fixes for most of these are in progress. One problem which caused 6 crashes is not understood
Consoleless Daemons	7	Fixes for most of these have been installed or are in progress.
Printer problem SW	6	Fix installed. (This was called IOM System Fault last week).
Misc SW	3	Unknown problems
FE/OPER error	1	
DSS190	1	
Memory	3	
Bulkstore	3	

- Third shift weekend Operator support will not commence until after Trial Service has started.
- Trial Service commencement has been pushed back from April 9 to April 23 to allow sufficient time to resolve the System Stability problems.

E. Tech Square

- There was much discussion about the impact of CPU-A being down. The consensus was that the most serious problem was the risk involved should CPU-B go down and result in no 645 Service for a few days. The cost of fixing CPU-A may well be a delay in 6180 Service. A subcommittee of Daley, Clingen, Roach and Gintell were designated to discuss this problem further.
- The second printer and the Bulk Store were removed Friday as scheduled.

FORUM - 3/27/73

F. Miscellaneous

-- There was a discussion on the topic of trash collection.

Subcommittee on CPU-A report

-- The subcommittee determined that it was not clear that CPU-A was really broken and that it would be run for several days with a request to send mail about problems to Roach. This will be used to determine the gravity of the situation. After that has been determined, Gary Dixon, someone from the Development group and any additional support could be mustered to find and support the fixing of the problem.



John W. Gintell

JWG/s