(Lack of Visible) Progress Report
CAL-6400-TSS

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Jan. 15, 1970

Since the last report (Oct. 11, 1969, enclosed), there has been very little visible progress.

(a) The disk driver was delivered by Sturgis. It works extremely well. It uses an elevator algorithm. Whereas SCOPE averages 8-512 word records/second, the new disk driver averages 40/second (random reads and writes with the write queue 80 records long). The elevator cycles in 2 seconds.

(b) A very nice set of manuals documenting the ECS system has been completed by Bentley, Lindsay and Radell.

(c) The printer driver was completely rewritten to make it more efficient. It is now completely finished.

On the pessimistic side:

(a) There has been no visible progress on the core disk system. There has been some invisible progress. Design has moved forward slightly. Its delivery schedule has slipped to June 1 instead of Feb. 1. This, in part, is due to my underestimation of the difficulty of the project and in part to the involvement of the project's members in classes.

(b) Cool Aid has also been stalled. It has not assembled an instruction as of this writing. The macro facility has not been coded and the debugger has not been coded. Its delivery date has also slipped to June 1. (Malbrain still claims Feb. 1 but we don't believe him.)

(c) The executive design group is making slow progress. No one is working seriously on this. It is off to the side.

(d) Vance Vaughn has been kept so busy implement new ECS actions (he works half-time) that he has been unable to test very much of the existing code. This will improve when he becomes full time.

(e) I have not written a single line of the code for the editor. Its delivery date has also slipped to June 1.

(f) There has been no progress on the batch system for lack of personnel.

The subsystems in progress are Editor (Gray), BASIC (Morris), PL/(N+1) (Gray), APL (Mauer). I have instituted a weekly meeting of subsystem writers to explain CAL-TSS and how to write subsystems for it.

Current Personnel Allocation

Malbrain McJones	debugger/assembler (June 1)
Bentley	documentation
Linsay Redell	implement core disk (June 1)
Lampson Lindsay Sturgis Redell	design executive
Standiford	Display driver (Feb 1); card reader (April 1)