MASSACHUSETTS INSTITUTE OF TECHNOLOGY
PROJECT MAC

Artificial Intelligence Project
Hardware

Internal Memo No. 104.
August 19, 1966

Output to the PDP-6 Calcomp Plotter

Jack Holloway

The plotter on the console of the PDP-6 is currently attached to device number 774, and accepts stepping pulses given under control of a CONO to that device. Its normal mode of operation is to CONO the desired bits on, wait an instruction, and cono a zero.

No status information is available. The maximum stepping rate is 2ØØ steps/second. The pen may be raised or lowered up to 1Ø times/second. Each step of the plotter is 1/1ØØ inches. Routines are currently being written by Mike Speciner to operate the plotter in conjunction with the real time clock.

Status register:

Bit	Effect
35	Move drum up one step
34	Move drum one step down
33	Move pen left one step
32	Move pen right one step
32	Move pen off paper
3Ø	Move pen onto paper

Typical usage:

```
CONO 774, bits on
JFCL
Cono 774,Ø
```

On teletypes other than TTY0 (the console TTY) only bits 28, and 32-35 will have an effect on CONO, and only bits 30-35 are available on CONI. Bits 20-23 and 33-35 are available on CONI at all times.

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