

June 30, 1964

PLOTTER AND COMPUTER CAPABILITY

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1. Both [REDACTED] President, and [REDACTED] Secretary-Treasurer, are cleared and briefed according to [REDACTED] STATINTL

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2. This company makes the [REDACTED] Plotter which you have down in the computer room. It is a drum type plotter 29-1/2 in. wide with a 120 ft. long roll of paper. It will plot on digital command from the computer in X-Y steps of .005 in. or .010 in. The plotting is extremely fast, 200 to 300 plots per second.

3. The company does about \$5 million per year business, 2/3 in plotters, 1/3 in systems. They have about 130 people and a 40,000 sq. ft. plant. In systems, they mainly solve the interface problems and usually find themselves in the middle between the sensors and the computer.

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4. Topics discussed with [REDACTED]

- a. Handling collateral data
- b. Computer programmer service
- c. Remote plotting through Dataphone
- d. Grid point latitude and longitude plots
- e. Optical data block reading

5. I returned Circuit Board SSM 92-021-3 to [REDACTED] for his evaluation. This is a board out of your [REDACTED] plotter with an intermittent malfunction in it.

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6. On Collateral Data Handling there was not much discussion. I did not see any obvious application of their capability in this area.

Declass Review by NIMA / DoD

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STATINTL 7. On Computer Programmer Service they have some applicable capability. They have five programmers cleared DOD Secret. [redacted] will get some background data on the men, and you can see if they might be useful. I know this is a difficult type of service to implement successfully, but it is probably worth looking into a little bit.

STATINTL 8. On Remote Plotting through dataphone transmission, [redacted] indicated their plotter speed is cut about in half by the Dataphone Model 202A limitations. He was certain, however, that there were faster Dataphone types available which would not limit plotting speed and he will investigate.

Their present plotting speed on the [redacted] plotters is STATINTL mechanically limited. The electrical limit is three to five times faster than the mechanical limit. They do not have a slewing mode for rapid line drawing, but it could be provided which would increase the speed to about 400 plots per second.

STATINTL [redacted] developed the Grid Point Equipment which plots latitude and longitude grid lines on the [redacted] cloud pictures. 25X1A

STATINTL Your [redacted] plotter, which is about to be delivered, also has the problem of being drastically slowed down by the Dataphone 202A for any remote plotting application.

STATINTL It is highly desirable that the plotter be located at the user's location instead of being physically tied to the computer location. I think it is desirable to see if [redacted] has any good ideas for remote plotting capability.

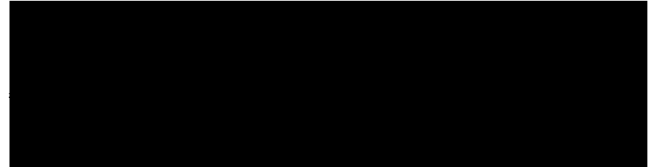
One easy (but not very satisfactory) solution is to have the computer generate a magnetic tape command record at high speed, then carry the tape to the plotter and have the tape run the plotter at its maximum rate.

9. They seemed to have worked all around the automatic data block reading problem and [redacted] will check to STATINTL

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see if they have any direct background. I pointed that the optical sensing is a major portion of the problem. Sooner or later you will want to automatically search for and stop on a particular frame on a roll, and this will require high-speed automatic data block reading.



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