

August 4, 1966

Dear Dan,

We are putting together a final report which covers the following subjects:

1. Preparation of solid state correlators.
2. Effects of sensor non-linearities on response to a sine wave target.
3. On coded holograms.
4. Fourier Analysis of intensities.
5. Design of stereo-microscope automatic registration system.

Rather than wait until all this is completed and typed, I thought of sending you some of the pieces and giving you the final report after I return from vacation on August 16.

I am also sending a copy of the proposal which I sent to Bill K. for the continuation. I hope you can manage to make it effective at as an early a date as possible.

I estimated the funding required to accomplish some significant work on various items which we discussed. Here are my rough estimates:

- 1) Engineering Prototype of stereo-matcher
each additional unit
- 2) "Poor Man's" Modulated Light Viewer -
Study and design
Demonstration unit of low resolution
- 3) Continue development of sandwich type
Solid State Correlator
- 4) Coded Holograms
Study
Design
Breadboard
(using gratings supplied by you)

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5) Fourier Analysis of Intensities

Equipment modification

Experimentation

(Using analyzer)

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As you see there is a variety of interesting tasks and I hope that you will indicate those which you deem most significant.

I will be in touch with you after August 15.

Regards,

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