[redacted] STAT

[redacted]638 STAT
24 October 1963

STAT [redacted]
Box 2143
Main Post Office
Washington, D. C.

Dear John:

As we discussed recently, I would certainly appreciate your assistance in helping me to arrange an informal presentation of our precision shaft encoding device, the Phasolver.

The Phasolver has been successfully applied to both satellite and ground support systems such as star tracker positioning on the OAO Satellite, antenna position information on the "Haystack" Radio Telescope, antenna position information on the N.E.L. "TETRAC" Antenna, and angular readout for phototheodilite equipment.

One of the most important features of the Phasolver approach to high accuracy encoding is the mechanical simplicity of the transducer. It consists of one disc mounted on the stationary element and one disc mounted on the rotating element. All leads are attached to the stationary element and we require no brushes, no light source, no mechanical devices of any kind other than the discs themselves. Thus, you can see that the Phasolver offers a method of obtaining absolute accuracies of angular readout to 19 bits of digital information which places this device among the leaders in the state-of-the-art. Development of a system for precision readout of linear position is currently underway. The enclosed information will give you further general background on this system.

If possible, we would like to arrange for presentations to interested people in your organization during the week of 28 October 1963. At this time, our schedule is open for appointments Monday through Wednesday. The presentation planned is largely

technical and consists of an informal slide presentation and appropriate explanatory technical information will be distributed. Our experience is that this presentation lasts approximately one hour, including time for questions.

I would appreciate any assistance that you can give us in arranging meetings and will plan to give you a telephone call later this week to discuss this matter further.

With best personal regards.

Sincerely yours,

[ ] STAT

[ ] STAT

MCT/ceb

Enclosures