

October 3, 1943

Dear Schuyler:

You will recall that two years ago I made tests with my apparatus for Cosmic Static radiation from the sun with negative results. At that time the equipment was rather inadequate but has been improved since. Yesterday I did the same experiment again with rather astonishing results; the pen went right off scale! Today I reduced the sensitivity to keep pen on scale and got a beautiful trace even though the weather was cloudy.

Some time ago we were talking in the room of Hotel about some product to make. At that time one of the ideas was to use apparatus similar to mine for direction finding in foggy weather. Since only point sources available at that time were the spiral nebula which are very weak, the idea didn't seem very good because the equipment would need a lot of development. This new discovery of yesterday overcomes that objection at least for daytime use.

Now I would like to tie this thing up to keep others out, particularly Stewart Warner. Furthermore it appears that without too much work it might be even made useful for this war. From my chart today I believe the position can be obtained with an accuracy of less than a degree. At the present time I have new apparatus under construction which I believe will tell the position to a few minutes of arc. With my present slow progress, however, it will not be in working order until next summer.

There is a National Inventors Council composed of old duffers which I would like to short circuit and thought perhaps you could make inquiry around the edges and find out who in the Department of Navigation would be interested. I can make a trip to see them and bring sample traces or if they desire I will be pleased to give a demonstration to any navy representative competent to deal with things of this nature. How about the Naval Observatory? In any case ~~now~~ is the word on details of the plan for now.

Things are going as well as can be expected here.

Give my regards to Jean.