

July 18th, 1947
312 W. Seminary Ave.
Wheaton, Illinois

Mr. C. M. Hepperle
Research Engineer
Collins Radio Company
Cedar Rapids, Iowa,

Dear Mr. Hepperle:

This is a rather belated reply to your letter of June 11th. Enclosed is a print of my 480mc results for the past several months. It is unfortunate you were not observing on the 22nd of May when a small burst occurred. 0.25 volts on my chart corresponds to a solar temperature of about 10^6 degrees from a disk $\frac{1}{2}^\circ$ in diameter.

Recently I have joined the G.R.P.L. of the N.B.S. in Washington, D.C. to undertake a rather comprehensive program on Solar and Cosmic Noise measurement. Our work will all be below 1500mc so we are much interested in securing data from anyone making observations above 1500mc.

The ionosphere division has several people who are anxious to carry out statistical correlations between solar radio intensity and various other solar and terrestrial disturbances. So far the only data available to them is mine at 480mc and Covington's at 2800mc. If you could undertake to make a consistent set of day by day measurements (say only a noon observation) for a few months I'm sure such data would be gratefully received. You may be assured that you will be promptly informed of any results secured from these statistical studies.

At the present we are still in an organizational stage. However if you find it convenient to visit G.R.P.L. sometime next fall, I'm sure we will have interesting equipment and results to discuss with you. For the time being you can reach me at either the Wheaton or Washington addresses.

With best wishes for your continued success in this interesting line of endeavour, I am

Sincerely yours,

Grote Reber