

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

Mr. A. E. Covington  
National Research Council of Canada  
Ottawa, Canada

Dear Mr. Covington:

Your letter of the 8th arrived here a few days ago with enclosures. Thanks very much. I will turn this data over to Allen Shapley next monday when I am back in Washington.

Alan

My present affairs are in a state of flux. Recently I have joined the Central Radio Propagation Laboratory of the National Bureau of Standards on a full time basis. At the moment we are in the process of moving my equipment to their field station at Sterling, Virginia which is about 36 miles west of Washington, D.C.

The rehabilitation of the Wurzburgs turned out to be a larger job than we expected as considerable alterations were necessary to make them point down to declination  $-23\frac{1}{2}^{\circ}$ . So far we are still working with concrete and steel. When these mundane problems have been solved, we will get onto the electronic equipment and the much desired results.

I am very pleased that your equipment is operating in such a satisfactory fashion and hope that you will continue to get important data. Shapley is anxious to secure all the data he can to correlate with various solar and terrestrial phenomena. If you could supply him with your data in tabular form along with the amplitude and times of the various bursts which you have observed; I am sure he would be very pleased.

Recently I have been having correspondence with Pawsey in Australia and I believe we will be able to secure observations from him. Since I am not much for

statistical kind of business, I believe it should be encouraged in others. In any case, the more data a statistician has to work with the better results he is able to secure. You may be assured that we will keep you posted of any results which will come forth from these statistical studies.

Enclosed is a copy of my 480mc data over the past several months. The ordinate is in volts. 0.25 volts corresponds to the received intensity from a disk  $\frac{1}{2}$ " in diameter at a temperature of about  $10^6$  degrees.

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

Sincerely yours,

Grote Reber