

The University of Chicago

Perkes Observatory
WILLIAMS BAY, WIS.

November 4, 1946

Mr. Grote Reber
212 West Seminary Ave.
Wheaton, Ill.

Dear Reber:

I too noticed that Townes said your solar intensities showed one-hundred-fifty times as much solar radiation as the black-body value. I had reduced your numerical value of solar radiation and found it to agree with the black-body. However, looking at your published curves it is obvious that the measured voltages from the sun and from the Milky Way are about the same. This means, since the sun fills about 1/200 of your antenna cone that the solar radiation is 200 times the Milky Way radiation at 160 mc. Working this out I find that the suggestion in your letter of November 3 is correct, and that your early observations would indicate an enhancement of solar radiation.

With reference to our paper in The Observatory, I can suggest that when I get the proof I can change a few sentences to present this new viewpoint on your earlier work. I would also suggest a footnote which would point out that your numerical value in the Astrophysical Journal was incorrect. As to straightening out the situation on the Astrophysical Journal article however, I cannot really see any good way of doing it. If you wanted to write a single paragraph correction to your original article and send it in to the Journal for publication as a very brief note, it might keep the record clear. Another way is to wait until you have your data on 480mc worked up and include a correction in the paper that you send in on the 480 mc data.

With best regards,

Sincerely yours,



Jesse L. Greenstein.

JLG:mp