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Radiophysics Laboratory,
University Grounds,
CHIPPENDALE, N.S.W.

28th May, 1947.

Dr. G. Reber,
212 W. Seminary Avenue,
Wheaton,
Illinois,
U.S.A.

Dear Reber,

In your original paper describing your discovery in 1944 of solar radio frequency noise at 160 Mc/s you have a measurement of intensity. There is a little uncertainty as to what the actual value was. Southworth, I believe, said you had obtained a value corresponding to full radiation from the disc of the sun at 6,000°. We deduced from your data, but with some uncertainty, a little less than a million degrees. Your article in Observatory last January quotes about 300 times 6,000°.

It seems quite possible that both the base value and the degree of variation should vary appreciably over a period of years and it would be of interest to compare values obtained then and subsequently. I wonder if you are able to make a fair estimate of the absolute value. If so, I should be very interested to know the value of the measurements obtained, say, in terms of equivalent black body radiation from the visible disc, and the degree and nature of the variation observed. I realise the experimental uncertainty, especially after this lapse of time, may be considerable and will be very difficult for you to estimate.

Yours sincerely,

J L Pawsey

(J.L. Pawsey)