

BELL TELEPHONE LABORATORIES

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IN REPLY REFER TO

1630-GCS-MGM

REPLYING TO

MR. GROTE REBER

212 W. Seminary Avenue

Wheaton, Illinois

Dear Mr. Reber:

This acknowledges with thanks your letter of June 24th telling me of your more recent work on cosmic static. Please pardon the delay in answering.

I suspect you have already seen a contour map of the source of cosmic radiation made by Hey, Phillips and Parsons at a frequency of  $64 \frac{\text{mc}}{\text{sec}}$  and published in Nature for March 9, 1946, but on the chance that you haven't, I am sending you a copy.

You may be interested to know that Mr. George Mueller, one of my close associates, has taken a look at the Milky Way with apparatus tuned to 9400 mc and in accordance with our earlier observations found nothing. He estimates that he should have detected radiation if the level at the receiver had corresponded to a temperature of 40° above absolute zero.

We are planning to keep an eye open for higher-than-normal sun noise at times of considerable solar activity but pressure of other work has thus far precluded any very systematic set of observations and as might be expected, we have not been fortunate enough to be observing during periods of high solar activity.

Sincerely yours,

*G. C. Southworth*  
G. C. SOUTHWORTH /w.a.r.