

November 23rd, 1948
212 W. Seminary Ave.
Wheaton, Illinois

Mr. E. Bruce Taylor
Electronic Sales Division
General Electric Co.
840 S. Canal Street
Chicago 80, Illinois

Dear Mr. Taylor:

I sent back to Schenectady the four RCA type 446B tubes per your instructions on the 11th. The four GE type 446B tubes arrived here on the 14th and I am pleased to say they are all in good operating condition with sensitivity equal to the best of the RCA tubes. The GE tubes came packed in the usual clear celophane sealed sack and were nice and bright. For some reason the RCA tubes came without the sack and since they were all quite tarnished it is apparent they had not been in a sealed container for a long time. I sent them back without any sack as they arrived.

My current measurements are being made at 480mc. You will probably be interested to know that on the 21st the sun put on quite a show at this frequency. Normally only quite faint black body radiation can be measured. However on the 21st the solar radiation was enhanced due to some unknown phenomenon by a factor of about 3000 times. The sounds were a hissing noise much like thermal agitation noise of great intensity. However it varied in intensity rapidly from second to second. The net effect was much like the sound of wind whistling thru the trees when there are no leaves. Occasionally there were tremendous swishes standing out well above the background. These lasted for only a second or less. At first I thought something was the matter with the apparatus so I turned it away from the sun. The noise stopped. Turning the apparatus back caused the noise to immediately reappear. Peculiarly enough Norton and Herbatreit of the Bureau of Standards and Salisbury of Collins Radio were visiting me at the time. Needless to say my visitors were much impressed and I was rather astonished as none of us had heard anything like it before.

From time to time we have discussed the L-8 tetrode. Sometime about the first of the year I'd like to get started on this development. Consequently I wish to secure two of the latest version of these tubes. One will be suitable as a start but eventually I will need two as I wish to make some stage to stage measurements between like tubes. If these tubes involve a charge please advise me of the details.

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to 8+57°

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