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26 April 1960

FOUR BAND COLLECTION RECEIVER, *Revised Report*
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This is the ninth in a series of monthly letter reports covering the design, fabrication and test of the four band collection receiver. This report covers the period from 15 March 1960 to 15 April 1960.

Assembly and testing of the various receiver components has continued during this period. Mechanical fabrication of the various units is complete. Fabrication of the printed boards for the video amplifiers and the combining network has been delayed and consequently these units have not been assembled as yet.

Assembly of the Broad Band RF Amplifiers, RF Channel Filters, and RF Channel Amplifiers is complete. These units are presently being aligned and tested in the breadboard system. When the final printed boards for the RF Amplifiers were laid out, the ground plane area was increased considerably to improve ground continuity. Unfortunately this change has altered the stray capacitances and inductances associated with the layout. Consequently, the interstage inductances have to be modified to compensate for the added stray capacities. This is a rather lengthy process and has delayed final alignment of the amplifiers by about ten days.

It is expected that the remaining units will be completed within the next two weeks so that tests can begin on the complete receiver.



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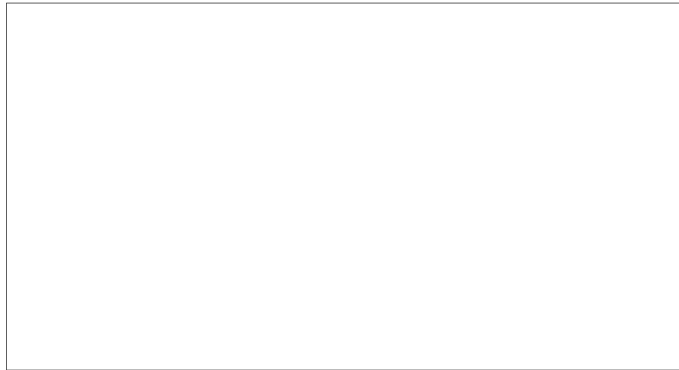
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Several minor corrections and changes are required to complete the drawings for the receiver. These will be incorporated and the final drawings prepared for shipment.

Work on the instruction handbook is continuing and the manual will be completed during the next period.

If no further delays are encountered the final equipments will be ready for delivery by the end of the next report period.

Very truly yours,



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