

ELECTRONICS DEPARTMENT

**GENERAL  ELECTRIC
COMPANY**

GENERAL OFFICE SCHENECTADY, N. Y.

1 River Road
Schenectady 5, N. Y.

Dear Sir:

We think that you will be interested in the accompanying bulletin which describes, in so far as security regulations permit, what is perhaps one of the most significant developments in the evolution of the electronic tube--the disk-seal or, as it is popularly known, the lighthouse tube designed particularly for use at the ultra-high frequencies.

For reasons of military security it has not been possible to publicize this remarkable new development; even at this time there is much that must be left unsaid. The disk-seal tube is playing an important part in aiding the efficient performance of the radio equipment used by our armed forces. Post-war, tubes of this class will be developed to solve many of the problems presented by television, FM, and other applications in the ultra-high-frequency field.

This pamphlet describes some of the basic principles of design and operation of the lighthouse tube and its advantages, in the field for which it is designed, over other more familiar types. The information given on circuits will be particularly interesting to you since it discusses the new cavity resonators.

We hope that this publication will convey to you some of our enthusiasm for the future we foresee for this tube in the postwar world as well as the ability of General Electric to assist in solving your electronic tube problems.

Very truly yours,

H. W. Barber

SALES PROMOTION SECTION

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