

TRIP TO CORNING

file in T3 (reprints)

On Friday, August 27th H. J. Evans and the writer went to Corning to finalize the specifications of the color tube bulbs previously discussed. The exact details concerning the 22" spherical were ironed out.

With regards to the 22" cylindrical Corning said that because of technical advances in glass manufacture they could make a bulb for us which we previously requested and which comes very close to being what we would consider an ultimate color tube of this type. In this design the grid wires are supported directly from a ledge molded into a glass and there is within the tube no frame of any sort. The panel and funnel will be sealed at first by the standard welding flange technique and later by the glass frit technique as soon as it is completely developed. The time table for these bulbs is the same as in our previous report, namely, two months from the go-ahead for the spherical and three to four months from the go-ahead for the cylindrical. For both of these bulbs there will be tooling charges of which Corning will pay half. Our portion will be approximately \$17,000 for the two. This money will be refunded when production quantities are ordered.

We also brought up the subject of a 24" rectangular envelope with spherical face under the assumption that this might be a possibility for the first produced sandwich tube. We were told that they had previously started development of this type bulb and later dropped it because of lack of interest on the part of their customers. However, if a strong request were made for a 24" bulb of this type and our request for the 22" spherical bulb were dropped, samples could be made available in approximately four months from their development starting date and larger quantities two months thereafter. Since these bulbs are not completely developed it

should be pointed out that the dates just mentioned are dependent upon the success of their development. There was no question regarding the feasibility of such a bulb. The only point raised was that the dates given assume a reasonable amount of development success.

The financial details concerned with all three of the bulbs discussed above are being sent to Mr. Kafka of Building 6.

*CGLob*

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Electron Tube Section  
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CGL:mg

September 2, 1954

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