

NEW . . .

A complete line of Graphite Anode Tubes by

Sylvania

REG. U.S. PAT. OFF.

Hygrade Sylvania Corporation, through its newly established Electronics Department, is now in production on a complete new line of transmitting tubes which are revolutionary in design. They employ the new graphite anode structure conceived and perfected by the engineering organization of Hygrade Sylvania Corp. To the many inherent good features of the Sylvania line, the graphite anode adds the following major advantages:

1. High plate dissipation without overheating. This is a direct result of the high thermal emissivity of graphite.
2. Lower operating temperature at the anode. This results in a lower operating temperature of the other electrodes, thereby preventing secondary and primary emission from the grid.
3. Uniformity of characteristics. The physical properties of graphite permit exact processing. Graphite does not warp under high temperatures and the mechanical dimensions of the anode remain constant. Proper relation between tube elements retained in this manner, preserve the normal electrical characteristics of the tube.
4. Long life. Comparative freedom from gas is another important effect of the graphite anode and the high vacuum obtainable results in longer tube life.

A process developed in the Electronics Laboratory of Hygrade Sylvania Corporation enables us to treat carbon in such a manner that it is reduced to pure graphite with all amorphous carbon and other impurities removed.

Early this year Hygrade Sylvania Corp. established a separate new plant in Clifton, N. J., for the design and production of radio transmitters, transmitting tubes, industrial power tubes, and custom-built electronic devices. This plant contains most modern research and manufacturing facilities. Unhampered by obsolete dies, processes and routine, Hygrade Sylvania has been able to go exclusively now to this revolutionary new design.



Hygrade Sylvania Corporation



Hygrade Lamps

ELECTRONICS DEPARTMENT

Sylvania Tubes

CLIFTON

FACTORIES

NEW JERSEY

SALEM, MASS.

EMPORIUM, PA.

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CLIFTON, N. J.