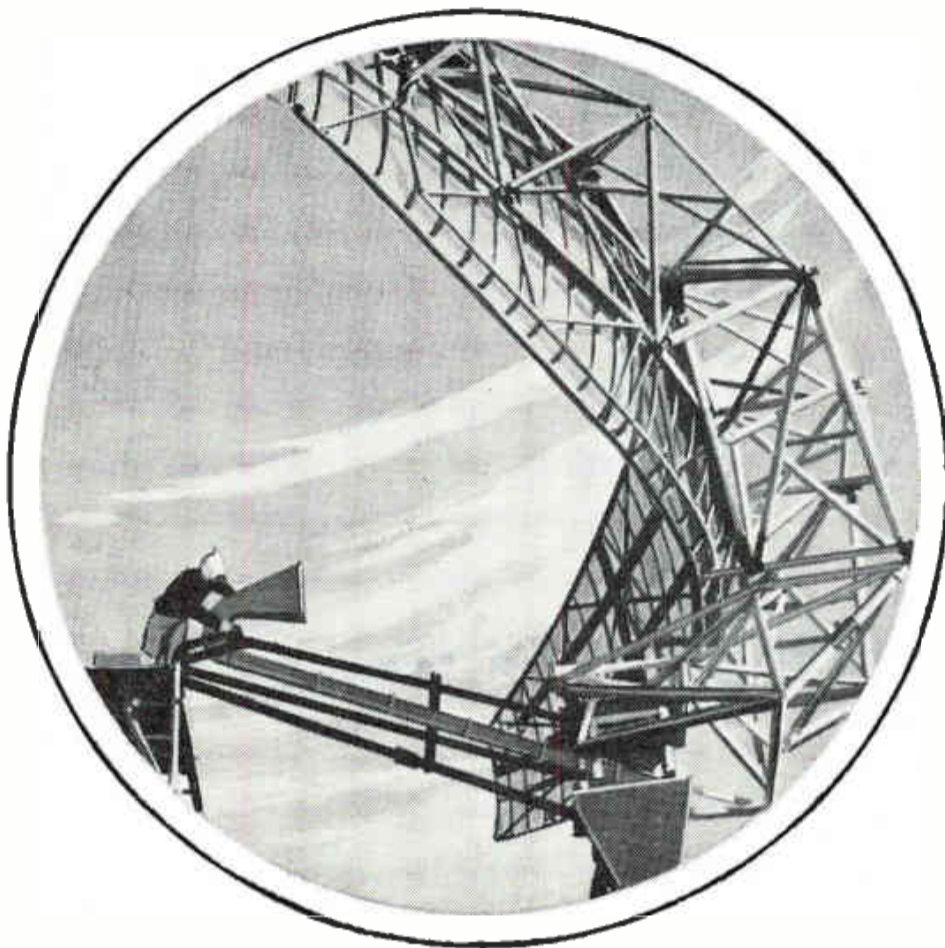


New from Superior Tube . . .

ALL-PURPOSE CATHODE ALLOY



... for pulse application 

... or continuous signal 



THIS IS X-3012* . . . first cathode alloy to do every job well. Use it where you want a passive alloy. It has greater emission capacity. Use it where you want an active alloy. It gives longer life. And look at these other characteristics:

1. Both sublimation and interface impedance reduced practically to the vanishing point
2. Has twice the hot strength of ordinary nickel alloys
3. Longer sustained life even under high current conditions and with overvoltage abuse
4. Good cathode coating adherence
5. Cathodes available from both air-melted and vacuum-melted material

Alloy X-3012 was developed in the electronic laboratories of Superior Tube. It is a combination of nickel, tungsten and zirconium . . . selected from a wide range of different heats as having the most effective proportions of these three metals. Available now in lockseam, lapseam, and Seamless/Weldrawn® cathodes. Write for a detailed technical report. Superior Tube Company, 2500 Germantown Ave., Norristown, Pa. *U.S. Patent No. 2, 833, 647 (Superior Tube Co.)

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