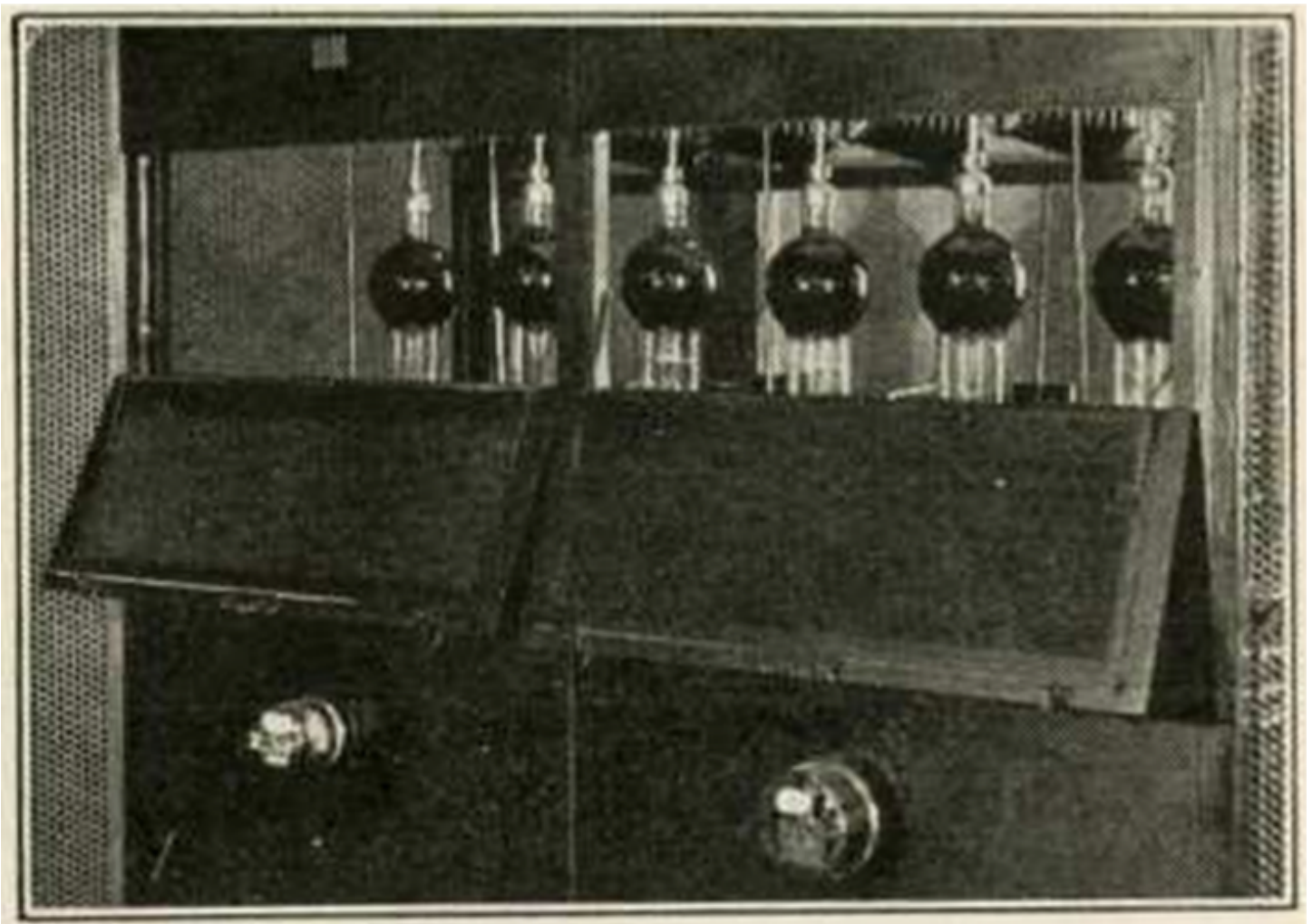


RCA – RADIOTRON

# UV 857

Half Wave High Voltage Mercury Vapor Rectifier

This tube was removed from service on August 17<sup>th</sup> 1933 at radio station WTIC, Hartford, Connecticut. It was used in the old water cooled radio transmitter on top of Avon Mountain in Avon, Connecticut. The transmitter used six of these tubes to rectify 18,000 volts for the final stage of the transmitter. The transmitter was 50,000 watts. Price of this tube at the time was \$395.



**Six mercury vapor type tubes in a series circuit are used in the 350KW Rectifier**

**This is the first rectifier of its type ever used in a commercial station**

**This picture from 1929 of the WTIC rectifier may actually show this very tube**