

RCA 6146 Tube Advertisements

A special message to every Amateur using a 6146, 6146A, or 8298



**33 1/3% HIGHER POWER INPUT**  
—with this new beam power tube

If you are now using a 6146, 6146A, or 8298 in class AB<sub>2</sub>, B, or C—you can replace it with a new RCA-6146B/8298A and increase your power input in these services by one-third. A single tube takes up to 120 watts plate input, ICAS; two take nearly a quarter kilowatt!

What must you do? You simply pull out the old tube. Plug in a 6146B/8298A. Increase screen voltage slightly. Then load up. All you need then is the extra reserve in your power supply.

And there is more about this tube than just high power. "Dark-Heater" design lengthens heater life—makes it possible for the tube to deliver full power output over wide swings in heater-supply voltage. Plate dissipation rating exceeds any design in the 6146 family. And when this new tube operates at 6146 plate input, life expectancy goes up substantially.

Install RCA-6146B/8298A's. Increasing your power was never easier.

Available from your Authorized RCA Industrial Tube Distributor.

ICAS Operating Conditions (Heater voltage range, 6 to 7.5 volts)			
Class of Service	DC Plate Volts	Plate Dissipation Watts	Plate Input Watts*
SSB	750	35	120
Class C AM	600	23	85
Class C CW	750	35	120

\*Full input to 60 Mc; reduced input to 175 Mc.

For technical bulletin on new RCA-6146B/8298, write: Commercial Engineering, Section 1-37-M, RCA, Electronic Components and Devices, Harrison, N.J.



The Most Trusted Name in Electronics

**NEW HALLICRAFTER HT-37 TRANSMITTER**

ANOTHER WAY  
RCA SERVES  
AMATEUR  
RADIO



Inside view of the HT-37, showing the two RCA-6146's in parallel in the linear final.

**Every Tube is RCA...**  
from VFO to the 6146 Final



RCA-6146  
90 watts CW input up to 60 Mc; 67.5 watts on phone.

Pictured here is one of the newest, most modern SSB-AM-CW transmitters in amateur radio. It's the medium-power 10-to-80 meter HT-37. RCA is proud that Hallcrafters designers specified an RCA tube for every stage in this outstanding 18-tube rig—including the linear final!

Operating today in hundreds of thousands of communications equipment throughout the world, RCA tubes have earned a reputation for high reliability *right in the circuit!* Emission capability is second to none—even after long periods of demand-

ing operation. High uniformity of tube characteristics during life does away with circuit "touch-up", while high uniformity of characteristics from tube to tube enables you to replace tubes without major tune-up. And conservative ratings pay off in more operating hours for your tube dollar.

Whether you design or whether you re-tube, you'll do better every time—with "RCA's" in the sockets! Your RCA Industrial Tube Distributor handles all RCA types used in the amateur station.



**RADIO CORPORATION OF AMERICA**  
Electron Tube Division

Harrison, N. J.