

A radically new *DX* type transmitter is now in production following months of development work. It is the first low-priced transmitter using powerful tubes. Write for new Bulletin giving full details.

COLLINS RADIO CO.

Cedar Rapids, Iowa

FEEDING THE DOUBLET

A new idea of great importance in short wave transmitting antenna construction, using a balanced, non-radi-

ating feed line of ANY convenient length, with a simple solution of the impedance problem.

Complete plans and specifications for construction of this feeder system will be mailed free on request. Get the dope on the simple parts we have developed before you build.

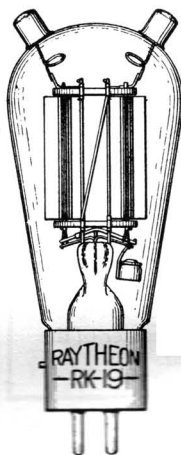
The heart of the system is the correct construction of the tubing section, plus the perfection of the JOHNSON Transposition Insulator. Parts will be available through all Johnson jobbers.

Your anti-noise receiving antenna will be better and easier to build with the unique JOHNSON No. 31 Transposition Insulator.



Bulletin 933 describes these and other original JOHNSON parts. Send for it

E. F. JOHNSON COMPANY
Waseca, Minnesota



RK-19

A
VACUUM TYPE
HIGH VOLTAGE
RECTIFIER
FOR
THE AMATEUR

The RK-19 is a **FULL WAVE** vacuum rectifier having the advantage of low voltage drop, approaching that of the mercury vapor type, combined with freedom from RF noise generation.

The RK-19 makes possible a compact and economical power supply for tubes of the 750-1000 volt class such as the RK-18, with good voltage regulation required for Class B modulation.

RATING

Heater Voltage.....	7.5 Volts
Heater Current.....	2.5 Amperes
Maximum RMS Voltage per Anode.....	1250 Volts
Maximum Peak Inverse Voltage.....	3500 Volts
Maximum Peak Current.....	600 Amperes
Anode Connections.....	At top of bulb
Heater Connections.....	Medium Four Prong Base
Overall Height.....	6 1/2"
Diameter.....	2 1/2"

Price \$7.50

Do you have technical data on the RK-15, RK-16, RK-17, RK-18 and other Raytheon tubes? If not, write the nearest office below

RAYTHEON PRODUCTION CORPORATION

New York, N. Y.....30 E. 42nd Street
Newton, Mass.....55 Chapel Street
San Francisco, Cal.....555 Howard Street
Chicago, Illinois.....445 Lake Shore Drive