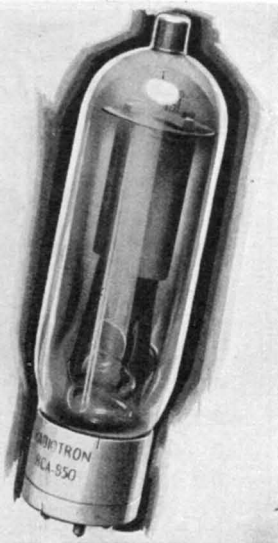


RCA-850

Announcing

A new 1000 volt Screen-Grid Transmitting Radiotron



Features of the RCA 850 that will interest amateurs

- 1** No expensive neutralizing condensers are necessary.
- 2** Less costly filter condensers required in plate supply.
- 3** Economical of space.
- 4** Designed for high frequency operation.

Class B rating:

Maximum Operating Plate Potential	1250 Volts
Maximum Unmodulated DC Plate Current	0.150 Ampere
Maximum Plate Dissipation	100 Watts
Maximum Screen Dissipation	10 Watts
Maximum RF Grid Current	7.5 Amperes
Typical Operation: $E_b = 1000$, $E_c = -8$, $E_d = 175$ approx.	
$E_f = 10$ volts	
Unmodulated DC Plate Current	0.10 Ampere
Peak Output	120 Watts
Carrier Output-Modulation Factor 1.0.	30 Watts

Class C rating:

Maximum Operating Plate Potential—	
Modulated DC	1000 Volts
Unmodulated DC	1250 Volts
AC (RMS)	1000 Volts
Maximum DC Plate Current	0.175 Ampere
Maximum DC Grid Current	0.040 Ampere
Maximum Plate Dissipation	100 Watts
Maximum Screen Dissipation	10 Watts
Maximum RF Grid Current	7.5 Amperes
Typical Operation: $E_d = 1000$, $E_c = -150$ approx., $E_d = 175$ approx., $E_f = 10V$	
Output	100 Watts

Amateur Class "B" Modulator Kit

An economical and efficient system for modulating Amateur Fone Transmitters was described in an article* in the November 1931 issue of Q. S. T.

The kit described below is capable of supplying over two hundred watts of audio power (i. e., it will modulate 100% an input of 400 watts to the Class "C" stage).

Two points are especially noteworthy:

1 The modulation transformer has two secondary windings which can be connected in series to modulate 2,000 volt tubes such as the UX-852 or UX-860 or in parallel for 1,000 volt tubes such as the UV-211 or RCA-850.

2 The secondary windings are designed to carry the plate current of the modulated stage (no reactors, condensers, or dropping resistances required).

Amateur Modulator Kit consisting of

One Special Class "B" Audio Input Transformer
One Special Class "B" Modulation Transformer
Two Matched Radiotrons Type UV-203-A
Price Kit complete as above, \$74.25 F.O.B. Camden, N. J.
Price Kit without tubes, \$28.75 F.O.B. Camden, N. J.
(Prices subject to change without notice.)

*"The Class B Push-pull Modulator" by L. E. Barton



RCA Victor Company, Inc.

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CAMDEN, N. J.

"RADIO HEADQUARTERS"