

# EASY TO DRIVE

## RAYTHEON RK-31

### ZERO BIAS CLASS B MODULATOR

A pair requires but 900 milliwatts grid drive to produce 140 watts of audio power. No bias required. The ideal modulator for all phone transmitters up to 300 watts input.

FILAMENT . . . . . 7.5 V., 3.0 A.

A. F. OUTPUT: 110 Watts per pair at 1,000 V.  
140 Watts per pair at 1250 V.

OVERALL DIMENSIONS . 2 1/16" x 8 1/2"

AMATEUR NET PRICE . . . . . \$10.00

**RK-34 . . . Ultra High Frequency Triode**  
Isolantite Base. Plate leads out top of bulb. Uni-potential cathode system.

HEATER . . . . . 6.3 V., 0.8 A.

R. F. OUTPUT at 300 V. . . . 14 Watts

AMATEUR NET PRICE . . . . . \$3.50

**RK-23, RK-25...Radio Frequency Pentodes**  
for the Oscillator and amplifier. Lowest losses, lowest internal capacities, highest output in their size classification.

Isolantite Base. Plate mounted on ceramic spacers. Plate connection at top of bulb. RK-23 equipped with 2.5 volt heater. RK-25 has 6.3 volt heater.

R. F. Output at 200 V. Screen, Plus 45 V.

Suppressor and 500 Volts Plate. 24 Watts.

AMATEUR NET PRICE—Either Type, \$4.50.

Ask your dealer or write to the nearest Raytheon Office

## RAYTHEON PRODUCTION CORP.

30 EAST 42nd STREET, NEW YORK, N. Y.

55 Chapel St.      445 Lake Shore Dr.      555 Howard St.  
Newton, Mass.      Chicago, Ill.      San Francisco, Cal.

# RAYTHEON

TRADE MARK

## AMATEUR RADIO TUBES

Des Moines, January 24th and 25th, April 24th and 25th, July 24th and 25th, October 23rd and 24th.

St. Louis, February 28th and 29th, May 29th and 30th, August 28th and 29th, November 27th and 28th.

### DISTRICT NO. 18

Chicago, 2022 Engineering Bldg., Saturdays.

### DISTRICT NO. 19

Detroit, 1025 New Federal Bldg., Saturdays.  
Cleveland, some time in April, July and October.  
Cincinnati, some time in February, May, August and November.

Columbus, Ohio, some time in March, June, September and December.

### DISTRICT NO. 20

Buffalo, 514 Federal Bldg., last Friday of each month, also by appointment.  
Pittsburgh, some time in March, June, September and December.

### DISTRICT NO. 21

Honolulu, Aloha Tower, Mondays and Saturdays.

## A Few Random Remarks

*(Continued from page 28)*

dots, I wonder, when they mean H? And why, for Pete's sake, do they think it's "professional" to make I and E sound like S? They think they are aping the commercial ops. They never were more mistaken in all their miserable little lives. Good ops have clean fists. They don't hash everything all up the way these modern Young Squirts do. You can copy their stuff solid at 35, although you'll notice that most of the time they're content with a good steady 22. They don't send a TH so it can't be told from a 6. They don't rip a lot of hash off at 40 and then have to repeat it four times before it becomes evident that the message is "Greetings by radio." Those chaps who *have* to get the stuff the first time send right along, all right, but the letters are spaced, the words are spaced, and there is a steady rhythm to it that makes solid copy flow out on the typewriter like oil.

Bug keys in the hands of Young Squirts! Gorrih me, but wait till I get at one of them! Extra dots on everything. Letters hatcheted clean in two, F becoming a clean IN, and so on. You simply can't read the stuff. And the babies behind it are so smug and so sure that they're maestros! There's a strong Narcissus element in it; self-hypnotized. It's just plain rotten, and getting worse by the hour. Semi-automatic keys are fine things, and many a punko's bum fist is made readable by ironing out the Lake Erie swing and making dots and dashes out of it. But why must they take off the weights and make the dot speed sound like a mosquito buzz? Don't they know that the manufacturer put the weights there for