

500 watts P. E. P.\*

500 watts CW

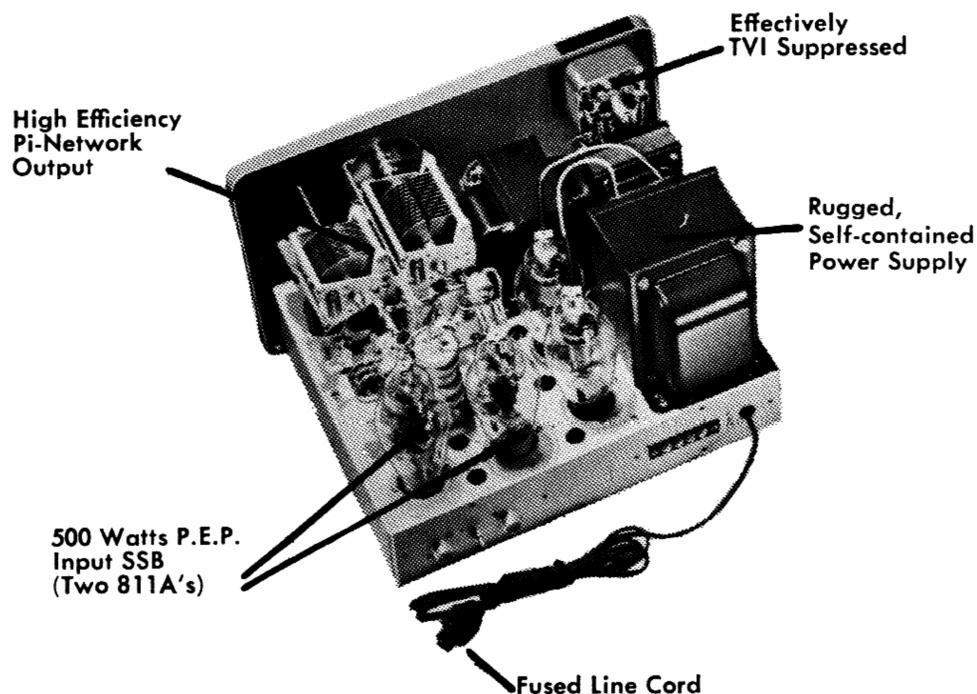
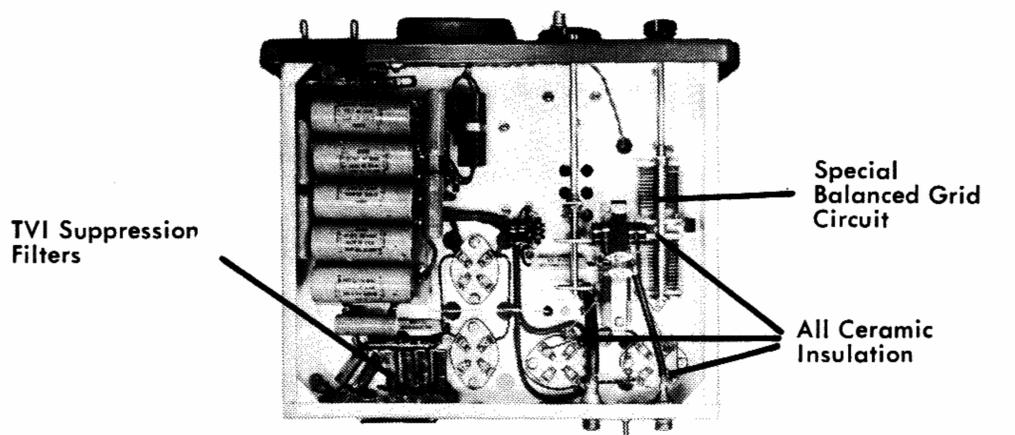
200 watts AM linear

\* with an auxiliary SSB exciter

# Viking "Courier"

The new Viking "Courier" delivers full communication power — rated a solid one-half kilowatt P.E.P.\* input as a Class B linear amplifier; one-half kilowatt input on CW or 200 watts in AM linear mode; in a completely self-contained desk-top package. The Viking "Courier" may be driven by the Viking "Challenger" "Ranger," "Pacemaker" or other unit of comparable output. Continuous coverage 3.5 to 30 megacycles (bandswitched) — high efficiency pi-network output circuit. Rotary tank coil and plate tuning capacitor are ganged to single control and provide uniform loaded tank circuit Q throughout operating range. Unique laboratory stability tests assure an amplifier with exceptional overall stability appreciably superior to other amplifiers. Fully TVI suppressed and filtered; completely self-contained with built-in power supply.

Cabinet type and dimensions are the same as the Viking "Ranger," providing a very compact and neatly packaged desk top layout when used together. Operating controls and meter are easily accessible for operation and testing. Molded rubber feet attached to cabinet base protect table top and help to insure adequate ventilation.



## "COURIER" POWER GAIN

Driver	Power increase-times
Adventurer ..... CW	10.0
Challenger ..... CW	4.1
Challenger ..... AM	2.8**
Ranger ..... CW	6.6
Ranger ..... AM	2.5
Viking I & II ..... CW	2.8
Pacemaker ..... SSB & CW	5.5
Pacemaker ..... AM	5.0

\*\*Based on output power.

**EXCITATION REQUIREMENTS** — Drive requirements are 5 to 35 watts depending upon the mode and frequency desired. The Viking "Courier" may be driven by the Viking "Challenger" "Ranger," "Pacemaker" or other unit of comparable output. Use of the Viking I, II or similar unit as an exciter for the Viking "Courier" requires use of the Johnson Power Reducer, Cat. No. 250-29.

**OPERATING CONTROLS** — The operating controls for the "Courier" are conveniently located on the front panel within easy reach of the operator. These controls include: grid tuning and bandswitch; plate tuning with slide rule indicator dial; filament switch; plate switch; coarse and fine coupling controls. Amplifier grid and plate current for both Class B and C operation may be read as desired with the flip of a switch on the front panel.

**OUTPUT CIRCUIT** — The Viking "Courier" linear amplifier employs two Type 811A triode tubes in parallel. The pi-network output circuit is designed to match nominal 40 to 600 ohm antenna loads and will tune out large amounts of load reactance as well. A fan is located on the inside of the amplifier cabinet to cool the unit and provide extended tube and component life.

**TVI SUPPRESSION** — In addition to complete shielding and the use of double "L" section filters in all outgoing leads, the Viking "Courier" cabinet is electrically sealed with flexible monel braid. A cup-type shield seals the meter — interior harness leads and filaments are by-passed. Careful by-passing of the final and special circuit techniques minimize harmonics in the output circuit.

**POWER SUPPLIES** — The high voltage power supply uses two 866-A rectifier tubes. Built-in blocking bias is provided for SSB linear operation.

# SPECIFICATIONS

## FREQUENCY RANGE:

Continuous coverage 3.5 through 30 megacycles (Bandswitched).

## POWER INPUT:

500 Watts CW..... Class C  
 200 Watts AM Linear..... Class B  
 500 Watts P.E.P.\* Linear..... Class B

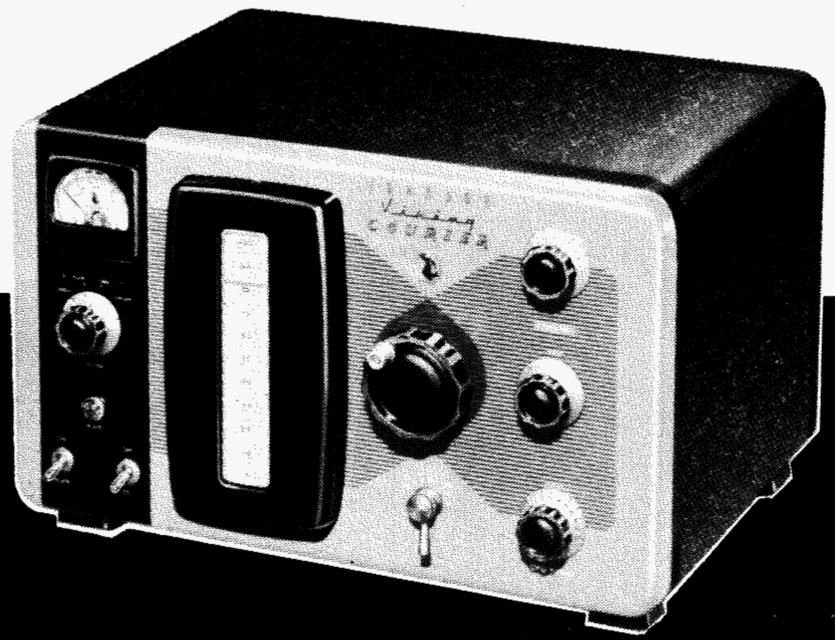
## POWER REQUIREMENTS:

115 volts AC, 50-60 cycle single phase. Fused line plug.

# TUBE COMPLEMENT

811A triode—Final Amplifier (2)      866A—High Voltage Rectifier (2)

The Viking "Courier" is available completely wired and tested or as an easy to assemble kit. The 18 gauge steel cabinet is finished in attractive maroon and grey, with green nomenclature. Complete kit includes assembly instructions, photographs, diagrams and step-by-step wiring directions. Wire and all necessary hardware furnished — no drilling or metal work necessary. Dimensions: 15½" wide x 9⅝" high x 14" deep. Net Weight: 58 lbs. Shipping Weight: 68 lbs.



Cat. No. 240-352-1 Viking "Courier" Kit with tubes

# AMATEUR NET

Cat. No. 240-352-2 Viking "Courier" wired and tested with tubes **\$289.50 Amateur Net**



For information concerning Civil Defense Certification —See inside back cover.

