

# QUALITY knight-kits FOR THE RADIO AMATEUR



## YOU GET MORE FOR YOUR HAM DOLLAR IN EVERY WAY

There are no finer values for the Amateur station than Knight-Kit equipment. These outstanding kits are designed to the highest standards of Amateur performance by skilled engineers, who are themselves licensed Amateurs with a thorough understanding of your needs and problems. When you outfit your station with Knight-Kits you can be sure of equipment that's designed for maximum efficiency, versatility and operating ease—plus the ultimate in dependability. Nowhere can you find greater value.

**NEW**



### PROFESSIONAL QUALITY AMATEUR RECEIVER

- Tunes 540 kc to 31 mc
- Printed Circuit Bandswitch
- Built-In Q-Multiplier
- 300 cps to 4.5 kc Selectivity
- 1.5  $\mu$ v Sensitivity
- Printed Circuitry Throughout
- Vernier Dials—No Strings
- Constant-Running HFO
- $\frac{1}{8}$ " Cold-Rolled Steel Chassis

WORTHY OF THE ADVANCED HAM

### New KNIGHT-KIT Deluxe All-Band Amateur Receiver

NET  
**\$104<sup>50</sup>**  
\$10.45 Down

Here's one of the most sensational values ever offered in a communications receiver! The new Knight-Kit receiver offers high selectivity, sensitivity and stability to meet the needs of all Amateurs. Has an array of features, many of which are found only in receivers costing much more. Uses printed circuitry throughout, including the revolutionary Knight-Kit printed circuit bandswitch, to

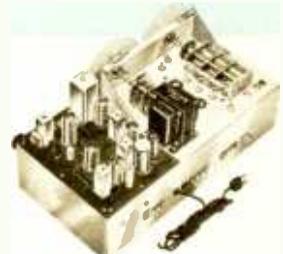
make assembly remarkably easy. Covers 540 kc to 31 mc in 4 ranges; calibrated electrical bandspread on the 80-10 meter Amateur bands; slug-tuned hi-Q coils; continuous B+ applied to HFO—lets you switch from standby to receive with no drift; B+ to HFO is voltage regulated; built-in Q-multiplier peaks desired signal or nulls interference; delayed AVC; provision for Knight-Kit crystal calibrator (below). Sensitivity: 1.5  $\mu$ v for 10 db signal-to-noise ratio. Selectivity: Variable from 300 cps to 4.5 kc at 6 db down. Exalted BFO injection.

**TUBES:** 6BZ6 RF amp.; 6BH8 mixer and HF osc.; 6A28 1st IF and 1st audio; 6A28 2nd IF and S-meter amp.; 6BC7 delayed AVC, 2nd det., and noise limiter; 6AW8 audio output and BFO; 12AX7 Q-multiplier; 6X4 rectifier; OB2 voltage regulator.

**CONTROLS:** Main tuning, bandspread tuning, band selector, Q-multiplier selectivity, Q-multiplier tune, null-off-peak, BFO pitch, RF gain, AF gain, BFO-MVC-AVC-ANL, off-stby-recv-cal, antenna trimmer; also includes headphone jack.

With tubes, all parts, wire, solder, instructions and sturdy metal cabinet. Less phones, 8-ohm loudspeaker and S-meter. 10x10x16 $\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. Shpg. wt. 23 lbs.

83 YZ 726. NET ..... 104.50  
83 Y 727. S-METER KIT FOR ABOVE. Shpg. wt., 1 lb. NET ..... 9.50



2 Printed Circuit Boards. Critical wiring is already completed. Eliminates problems of "lead-dress"—greatly simplifies assembly, reduces wiring time and eliminates costly wiring errors.



Printed Circuit Bandswitch. Another Knight-Kit exclusive! The printed circuit bandswitch, used for the first time in any communications receiver regardless of cost, assures exact reproduction of laboratory model and cuts assembly time.

### NEW KNIGHT-KIT 100 kc Crystal Calibrator Kit

NET  
**\$10<sup>50</sup>**

Crystal frequency standard at very low cost. Gives marker every 100 kc up to 32 mc. An Amateur "must" for marking band edges. Mounting flanges permit installation in, or in back of, receiver cabinet. Measures only 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x3". Requires 6.3 v. at 0.15 amp and 150-300 v. DC at 3-6 ma. Trimmer for zero-beating with WWV; On-Off switch. With tube, crystal, all parts, wire, solder, and instructions. 1 lb.

83 Y 256. NET ..... 10.50

**NEW**

