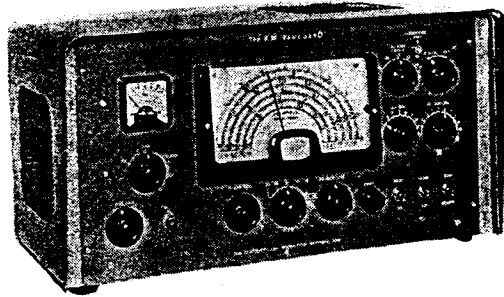


# THE KW VANGUARD TRANSMITTER

The K.W. "Vanguard" is a Table Top Transmitter of modern design. We are proud of the fact that more "Vanguards" can be heard on the amateur bands than any other A.M./C.W. transmitter manufactured in this country. Proof of its success and popularity. It operates in a power range which will easily cover your DX requirements yet makes TVI proofing easy compared with higher power sets. The harmonic output is extremely low and our LOW PASS FILTER can be installed in a space provided at the rear of the cabinet.



The Transmitter has been designed around the world famous Gelo Signal Shifter, which has, among many advantages, a very stable V.F.O (Clapp) which nicely bandspreads all bands 10-80 metres with accurate calibration on a most attractive dial  $8\frac{1}{4}'' \times 5''$  The Signal Shifter Unit is supplied ready wired in the Kit transmitter which considerably simplifies assembly.

## FEATURES:

- A Class AB1 modulator, permitting 100 per cent modulation with finest quality. Mod. percentage can be monitored on the calibrated meter.
- Simplicity and speed of changing frequency or band.
- Modern TVI proofing technique, which employs sufficient screening, Pi output circuit with harmonic filter, mains filter, etc. MORE TVI PROOFING THAN IN ANY OTHER AMATEUR TRANSMITTER MANUFACTURED IN THIS COUNTRY TODAY.
- Zero Beat switch for 'netting'.
- Efficient P.A. stage utilising a modern valve (6146).
- Rapidity of changing 'fone' to 'C.W.' operation by actuating a single toggle switch.
- Improved keying facilities and clamp tube for P.A. (Series II).
- Everything included on one chassis, housed in a steel cabinet of clean-cut contemporary design.

## TECHNICAL DETAILS

Frequency Coverage	10m. band : 28.0 - 29.8 mc/s. — 15m. band : 21.0 - 21.6 mc/s. 20m. band : 14.0 - 14.4 mc/s. — 40m. band : 7.0 - 7.45 mc/s. 80m. band : 3.5 - 4.00 mc/s.
Power Input to P.A.	50 watts Phone or C.W.
Output Circuit	Pi Section filter (variable impedance) Co-axial socket for aerial.
Phone Operation	Plate and Screen modulation, up to 100 per cent. Separate H.T. supply for modulator.
Microphone Input	High impedance for crystal mic.
Metering	P.A. Grid current. P.A. Plate current and per cent. Mod. Selected by means of a switch.
Power Line Requirements	200-250v. a.c. 45-65 cycles.

## Valve line up 13 valves

	R.F. Section		Audio Section	
1	6J5GT Oscillator	} Gelo	7 6BR7 Speech Amplifier	
2	6AU6 Buffer/doubler		} V.F.O.	8 12AX7 Amplifier and phase-inverter
3	6V6G Driver (doubler/tripler)			} 4/102v.
4	6146 Final Amplifier		10 6LG6 }	
	(QV06-20)		11 GZ32 Rectifier	
5	GZ32 Rectifier		12 VR150 Stabilavolt for V.F.O.	
6	6AQ5 Clamp Tube		13 VR150 or OA2 Stabilavolt for 6AU6	

Dimensions 20½" x 12" x 12" deep (approx.) Panel Size 19" x 10½" (for rack mounting)

Total Weight Approx. 56 lbs. (incl. valves and cabinet).

PRICE	KIT 'A' c/w valves and cabinet 10-80m. .. .. £56 14s. 0d.
	KIT 'B' c/w valves and cabinet 10-160m. .. .. £59 17s. 0d.
	Ready Wired and Tested model 10-80m. .. .. £66 3s. 0d.
	Ready Wired and Tested model 10-160m. .. .. £70 7s. 0d.

Terms available.

Carriage extra.

**K. W. ELECTRONICS LTD**

Telephone: DARTFORD 25574

**VANGUARD WORKS - 11 HEATH STREET - DARTFORD - KENT - ENGLAND**

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