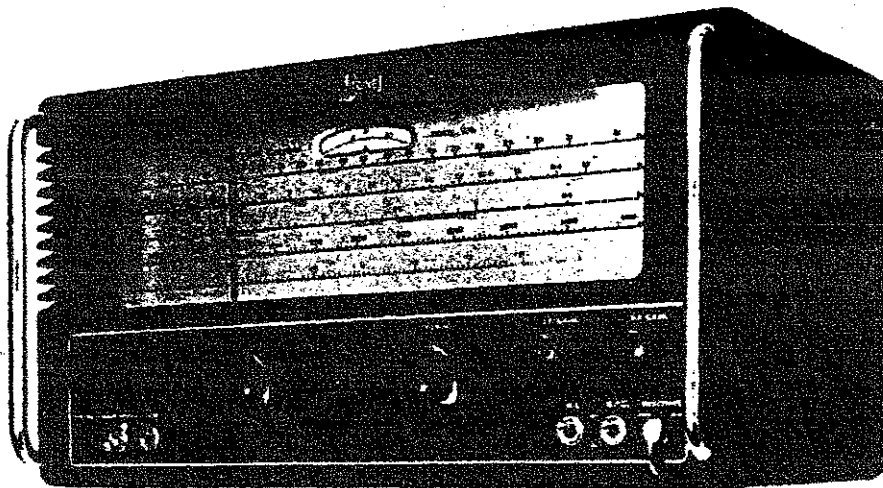


EDDYSTONE '750' COMMUNICATIONS RECEIVER



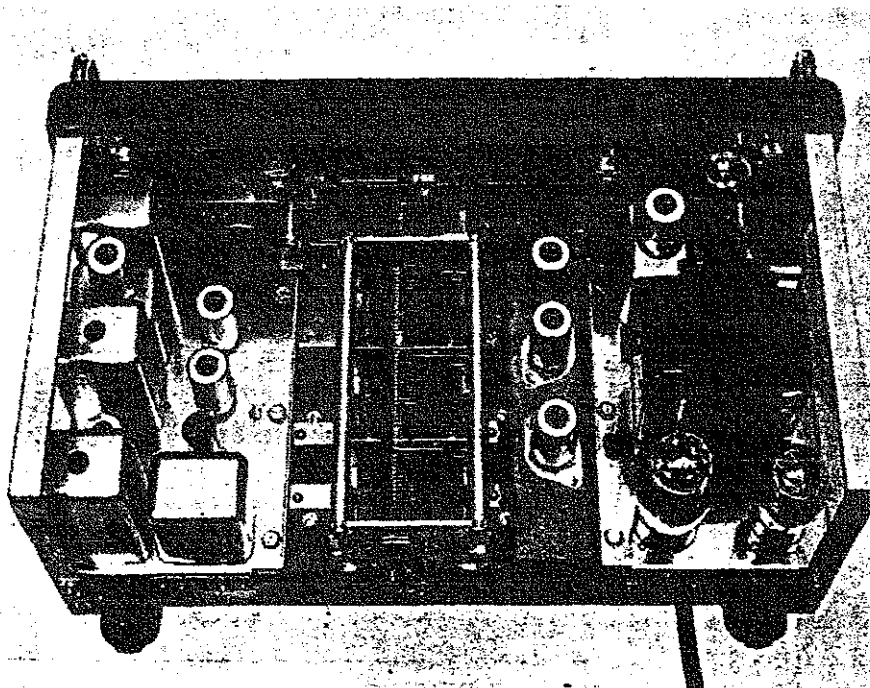
Cat. No. T1315. Eddystone "750" 10 valve (including rectifier) Double Superhet Communications Receiver. Illustrated. A large full vision dial is employed with 5 scales (1) 12 to 32 Mc/s., (2) 4.5 to 12 Mc/s., (3) 1.7 to 4.5 Mc/s., (4) 480 Kc/s. to 1460 Kcs. (broadcast band) and the sixth scale is for logging purposes and when used with the bandsread indicator extremely accurate logging ensures, and as there is only one tuning control once a station has been logged the dial setting can be secured with precision.

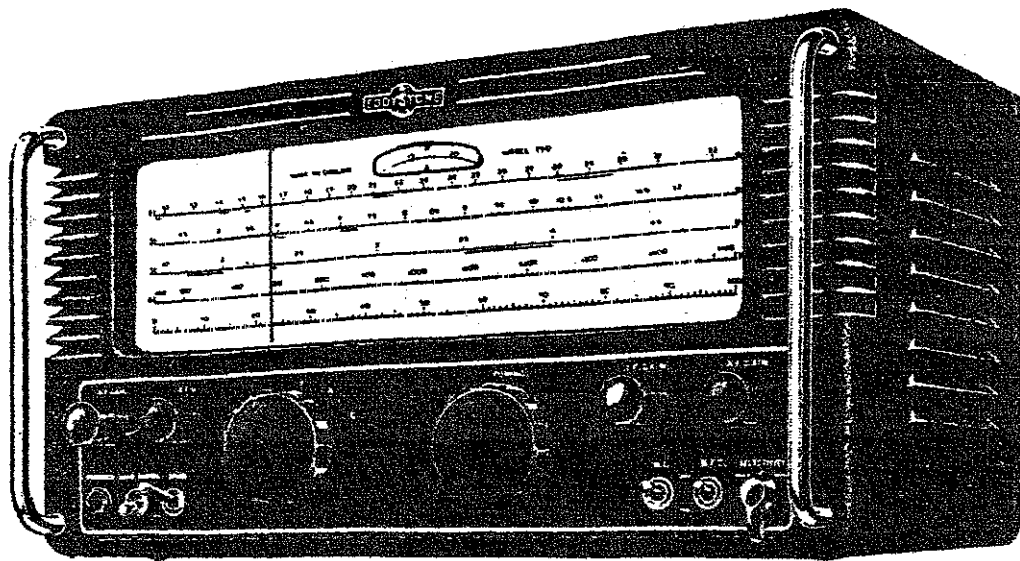
A gear driven (flywheel loaded) tuning mechanism is incorporated with a high reduction ratio—about 200 to 1. There is an auxiliary bandsread indicator, which gives the equivalent of ninety tuning inches per range which is considered adequate on all bands—for example, the scale indication at 30 Mc/s. is equivalent to 240 Kc/s. per inch and six rotations of the tuning knob are required to tune through one megacycle.

The circuit is a double superhet with one RF. stage and the first IF. is set at 1600 Kc/s. and the second at 85 Kc/s. A good image ratio is secured, combined with a high degree of selectivity which is variable to cover telephony and CW. operation. Modern miniature valves are used (except the rectifier and voltage stabiliser) A socket is provided at the rear to enable external units (e.g. a convertor or preselector) to draw power from the "750" power supply, which is provided with a generous margin for this purpose.

Other features include BFO, effective noise limiter, provision for external "S" meter, carefully designed A.G.C. circuits, provision for headphones, separate RF, IF and AF gain controls, provision for single wire or doublet aerial, stabilised HT supply, provision for operation from external HT and LT supplies. The output is over 3 watts audio £45.0.0

PRODUCTION COMMENCES EARLY 1950. ORDERS ARE BEING ACCEPTED NOW FOR DELIVERY IN ROTATION.





THE EDDYSTONE "750" RECEIVER

Of the double superheterodyne communication type, this model possesses very high selectivity with practically complete freedom from image interference. H.T. supply to the oscillators is stabilised.

FREQUENCY RANGE.

Band 1	...	32 Mc/s. to 12 Mc/s.	Band 3	...	4.5 Mc/s. to 1.7 Mc/s.
Band 2	...	12 Mc/s. to 4.5 Mc/s.	Band 4	...	1465 kc/s. to 480 kc/s.

VALVE LINE-UP.—Eleven valves perform the following functions :

R.F. Amplifier	...	...	...	V1	6BA6
Mixer (S.F. to 1620 kc/s.)	...	...	...	V2	ECH42
Oscillator	...	...	...	V3	6AM6/Z77
Frequency-changer (to 85 kc/s.)	...	...	...	V4	ECH42
I.F. Amplifier	...	...	...	V5	6BA6
Detector, A.G.C. and A.F.	...	...	...	V6	DH77
N.L. and "S" Meter Diodes	...	...	...	V7	6AL5/D77
Output	...	...	...	V8	N78
Beat Frequency Oscillator	...	...	...	V9	6BA6
Rectifier	...	...	...	V10	5Z4G
Stabiliser	...	...	...	V11	VR150/30

ELECTRICAL PERFORMANCE.—Sensitivity for 50 milliwatts, 15 db signal/noise ratio, 5 microvolts or better on all ranges.

SELECTIVITY.—Is variable over the range 30 db to 60 db down 5 kc/s. off resonance. Image ratio : better than 40 db at 30 Mc/s. and greater at lower frequencies.

AUTOMATIC GAIN CONTROL.—15 db change of output for 90 db change of input, above 3 microvolts at 8 Mc/s.

AUDIO OUTPUT.—Maximum output is 3.5 watts. Pick-up terminals are fitted and audio stages give linear amplification over a wide frequency range.

POWER INPUT.—70 watts. Receiver can be operated from a 6 volt accumulator in conjunction with Cat. No. 687/1 Vibrator Power Unit. (A fuse is fitted).

"S" METER.—A socket at the rear accepts the Cat. No. 669 Signal Strength Meter.

FINISH.—Fine black ripple. Weight 40 lbs. Width 16 $\frac{1}{2}$ " ; Depth 10" ; Height 8 $\frac{3}{4}$ ".

LIST PRICE IN U.K. : £78 0s. 0d. (Exempt from Purchase Tax)

Here it is!

EDDYSTONE "750"

as described by J. N. Walker (G5JU)
in current issues of "Break-In"

The Eddystone is the Double Conversion Superhet Communications Receiver that every amateur, experimenter, and professional should have!

Measures 16½ in. wide, 10 in. deep and 8½ in. high. Inputs of 110 and 200/240 volts, 40/60 cycles. Battery operation is from 6-volt accumulator.

FOUR WAVE BANDS—the first three overlapping and covering 32 to 1.7 mc/s, and the fourth covering 1465 to 480 kc/s—each band selected by a low capacity switch.

CONTROLS

Tuning: B.F.O. Switch and A.G.C.

Band Selector: Noise Limited, on/off.

R.F. Gain, I.F. Gain: Standby Switch (with long dolly).

A.F. Gain: Mains, on/off Switch.

B.F.O. Pitch: Selectivity Control.

Separate RF, IF and AF gain controls combined with selectivity variable over wide limits ensure maximum performance under all conditions of operation.

★ A Masterpiece
of British Radio
Engineering



Place your order for this Revolutionary Receiver now with:—

ECLIPSE RADIO LTD., Dunedin

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A True Double-Conversion Superhet . . .

EDDYSTONE 750



— fine British-made Communications
Receiver of advanced design and
first class construction.

Measures 16½ in. wide, 10 in. deep, 8½ in. high. Inputs of 110 and 200/240 volts; 40/60 cycles are catered for, the power consumption from mains being approximately 70 watts.

FOUR WAVE BANDS— the first three overlapping and covering 32 to 1.7 mc/s. and the fourth covering 1465 to 480 kc/s.— each band selected by a low-capacity switch.

CONTROLS: The controls are—

Tuning	...	B.F.O. Switch and A.G.C.
Band Selector	...	Noise Limiter, on/off
R.F. Gain	...	Standby Switch (with long dolly)
I.F. Gain	...	
A.F. Gain	...	Mains, on/off Switch
B.F.O. Pitch	...	Selectivity Control

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