

Halcyon



B.B.C. COPYRIGHT

True to Life
TELEVISION

TRUE-TO-LIFE TELEVISION RECEPTION



MODEL T.100.

MODEL T.100.

70 gns., which includes supply and erection of aerial, installation and free maintenance for twelve months in accordance with our Guarantee.

MODEL T.101.

As Model T.100 but without All Wave Chassis and for Reception of Sound and Vision on Television Wave Band only.

Price 55 gns.

CABINET.

As illustrated above. Finished in Walnut of dignified and imposing design—an excellent example of the Cabinet maker's craft.

The Receiver is fitted with a 12" Cathode Ray Tube giving a clear Picture in Black and White.

Allwave Radio incorporating Flywheel Tuning
Patent No. 447-559.

For A.C. operation.

Clear, sharp and well defined pictures from the B.B.C. Television Programmes. Why not see outstanding events of Public interest in your own Home, transporting you to the scene of events instantaneously without moving from your armchair? Add to the pleasure you have hitherto derived from Broadcast Sound Programmes by a more intimate appreciation of the actors and scenario provided for your entertainment.

The Halcyon Television Receiver is pre-set on installation and is simplicity itself to operate. Just switch on, and in a moment or two you see and hear a perfect reproduction of the events recorded by the Television Camera with a full wealth of vivid detail and as "True-to-Life" as on the Motion Picture Screen.

General Arrangement.—There are four main units: (1) An All Wave chassis with super scale and flywheel tuning. (Patent No. 447-559); (2) A sound and vision chassis; (3) Time bases and Synchroniser; (4) Power Supply Unit.

The above are arranged in tier formation, all sections being amply screened and complying fully with I.E.E. regulations. Halcyon Television Units are pre-set when the Receiver is installed and normally all that is necessary is to switch on and adjust for the required degree of brilliance. One additional control is provided to adjust the light and shade of the picture to individual taste.

All Wave Sound Chassis. Five Valves (including mains rectifier) arranged as follows:—Frequency changer, triode hexode, I.F. amplifier, H.F. vari-mu pentode, signal rectifier A.V.C. rectifier and 1st stage L.F. amplifier, double diode triode, output valve, high slope power pentode. Mains rectifier Valve full wave. Wave bands three 16.5—51 metres (18.2—5.88 megacycles), 190—560 metres (1,579—535 K.C.'s), 850—2,000 metres (334—150 K.C.'s). Aerial input, low impedance accommodating aerials of various lengths and capacities. Pre-selector, all medium wave coils are of Litz Wire. Band pass input filters on M.W. and L.W. Tuning Drive-Control Knob to condenser ratio 100 to 1. Waveband Switch. Cam operated type with overthrow movement actuating contacts of solid silver. Tone control provided. Sensitivity M.W. 7 micro volts, L.W. 50 micro volts. S.W. 40 micro-volts.

Vision Chassis. 8 Valves, arranged as H.F. stage, triode hexode frequency changer, 4 I.F. pentodes, high slope, low capacity, diode rectification. High slope, low capacity, output pentode. Pre-set tuned to vision frequency.

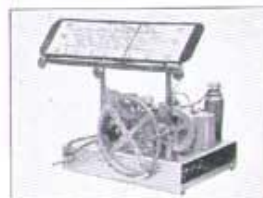
Sound Chassis.—4 valves and rectifier, 5 stages. Frequency changer triode hexode I.F. Amplifier, high slope, H.F. pentode, double diode triode, Detector high slope output pentode. I.F. Band width 100 K.C. Pre-set tuning.

Time Bases and Synchronising Unit.—Gas discharge tube followed by para phase amplifier triode on line and picture scanning. H.F. pentode, triode and pentode for synchronising.

Power Supply Unit.—4 rectifiers which supply the Cathode Tube, the vision chassis, time bases and synchronising units. Amplification is sufficient to provide excellent reception within the service area, and under favourable topographical conditions up to 40 miles from the B.B.C. Transmitter.

Aerial System.—Balanced $\frac{1}{2}$ -wave dipole pre-set tuned, loose coupled to input. The electrical consumption of Halcyon Television Receivers is $\frac{1}{2}$ rd. of a unit per hour.

Note.—Where Receivers are required for D.C. supply or for points outside normal service area, reference must be made to Sales Department, Sterling Works, Dagenham, Essex.



TELEVISION



MODEL T.100.

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