

NEW RECEIVERS

First Ace Receiver

NEW TELEVISION RECEIVER INTRODUCED TO THE HOME MARKET

ACE RADIO, LTD., recently announced their first television receiver.

Known as the Ace "Astra" (Model V18/14), it is a five-channel type incorporating the new 14in. aluminised wide-angle rectangular tube and 18 valves. It is especially designed to give good reception under fringe area conditions, being of extremely high sensitivity.

Among the original circuit features is the employment of two R.F. stages, which effectively minimise second channel and F.M. interference—an important development in view of the rapid growth of F.M. broadcasting. Interference suppression is extremely efficient, being effective on both sound and vision. A high-sound rejection characteristic prevents the sound channel from breaking through into the picture.

The Ace laboratory staff and Design Department have taken three years to complete the design and development work on the V18/14 chassis.

Specification

Eighteen-valve plus 14in. high-efficiency aluminised rectangular picture tube receiver suitable for five-channel reception. Two R.F. stages, giving adequate freedom from second channel and F.M. interference. Single-valve frequency changer feeding into I.F. stages common to sound and vision. Vision detector and interference suppressor. Power-type video amplifier. Two-valve sync. separator. One sound I.F. stage, sound detector and interference suppressor. Audio amplifier and power output valve. Elliptical speaker. Three-stage line time-base, three-stage frame time-base. Economy circuit. Fly-back E.H.T. giving 13 Kv. Front controls: Brightness, Focus, Contrast, Volume/On-Off. Pre-set controls: Frame Hold, Line Hold, Frame Amplitude, Line Amplitude, Video Noise Suppressor, Frame Linearity, Line Linearity.

The chassis is compact and of sound mechanical construction. Tube, loudspeaker and all other components are neatly arranged in one assembly, self-contained and independent of the cabinet. When necessary the chassis can be simply slid out of its housing. Despite its compactness, all the parts are carefully laid out to be easily accessible.

Cabinet Details

The "Astra" is housed in a cabinet of distinctive design. It is "proscenium" fronted, simple, elegant and free from visual distractions. Behind this "frame," the rest of the receiver is totally enclosed by a laminated wooden case, which presents a pleasantly veneered and polished surface when viewed from any angle. Besides being a pleasing break from the normal, somewhat untidy cardboard "back," it has the practical advantage of making the chassis completely

inaccessible to the user while the set is in operation—an important safety device.

The aerial input socket and pre-set controls the viewer may need to adjust are neatly laid out at the rear and insulated.

For the serviceman the "Astra's" moulded back has an additional advantage in that it is removed by simply loosening four bolts, when the entire chassis is laid bare for inspection and replacements. The underside of the chassis is made similarly accessible by detaching the base panel from its frame.

The "proscenium" is finished in ebonised beech and the moulded back in Sapele and Australian silky oak.

The "Astra's" cabinet was designed by Victor Taylor, M.S.I.A.

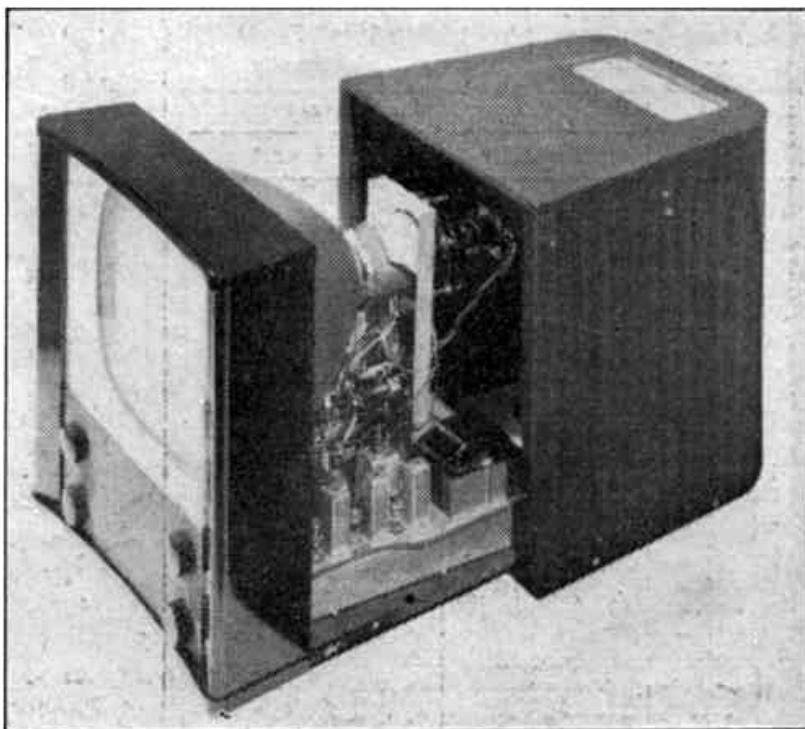
Retail price, £57 12s. 1d. Purchase Tax, £25 17s. 5d. Net price, 79½ gns.

One of the first pilot models of Ace "Astra," suitably adapted for Italian reception, was exhibited at the recent Milan fair.

Console Model

As we go to press we are informed that a console version of this receiver has been prepared and will also be on sale shortly. Known as Model V18/17, this will include a 17in. aluminised wide-angle tube and the price will be £83 6s. 8d., plus £37 8s. 4d. tax.

Full details of these new receivers may be obtained in a special television broadsheet available from the makers, Ace Radio, Ltd., Tower Works, Tower Road, London, N.W.10.

**Ace Model V18/14**