

ADDITIONS TO "INNOVAL" RANGE

Philips Electrical Industries announce the addition of three new valve types to the Innoval range of valves for A.M. broadcast receivers. These comprise a duo diode R.F. Pentode; an indirectly heated Rectifier and a Remote cut-off R.F. Pentode.

TWO of these types are already available and the third will be released in the very near future.

Type 6AD8 is a duo - diode medium cut-off pentode primarily intended for use as a combined I.F. Amplifier, Detector and Reflexed A.F. Amplifier in four valve receivers. It is equally suitable for all R.F., I.F. and A.F. Applications calling for a valve having a lower mutual conductance (1100 umhos) than that of the Innoval type 6N8 (2200 umhos). Retail price is £1/-/9.

Type 6V4 is an indirectly-heated full wave rectifier. Its maximum ratings (condenser input to filter) of 350 volts R.M.S. per plate, an output current of 90 mA D.C. and permissible heater to cathode voltage of 500 volts peak, assure adequate output voltage and current for all small receivers and amplifiers. Retail price is 15/3.

In the design of the 6BH5, which is intended for the R.F. and I.F. stages of standard A.M. receivers, due account has been taken of the accepted commercial standards for associated components used in Australian receivers and its electrical characteristics have been chosen accordingly.

The mutual conductance of 2200 umhos with a cut-off bias of -39 volts, a grid to plate inter-electrode capacitance of 0.002/uuf maximum and a plate resistance of 1.0 megohm will be found to give stable results without imposing difficulties in regard to choice of associated components. Available during March/April, retail price will be 19/-.

Types 6AD8 and 6BH5 include



special internal shielding to provide low inter-electrode capacitances and obviate the need for an external shield can.