SOME IMPROVEMENTS TO THE EDDYSTONE 888A RECEIVER

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Here is an article for the owners of old receivers.

These fine receivers of the 1950s were much sought after until the transistorised transceivers became common. The writer recently purchased one and although it was found to be excellent for AM signals it left much to be desired on SSB.

The results of considerable investigations are described here. Firstly it was decided to stick with valves. All the old 0.1 uF capacitors were replaced. A product detector, Fig. 1, was added. This is a circuit devised by W6SAI and shown in the Radio Handbook, but now has an audio amplifier stage added. An audio derived AGC circuit, Fig. 2, was included. I also disposed of the 6AL5 noise limiter/S meter blocking diode.

Next the audio filter was replaced by one with switched bandwidths from 60 to 3,500 Hz. A uA741 IC was used; this circuit is on page 113 of the 5th Edition of the RSGB Amateur Radio Techniques. The power supply was relocated on a separate chassis to reduce drift.

I now have a fine receiver which is more sensitive than before, especially on 15 and 10m. ■

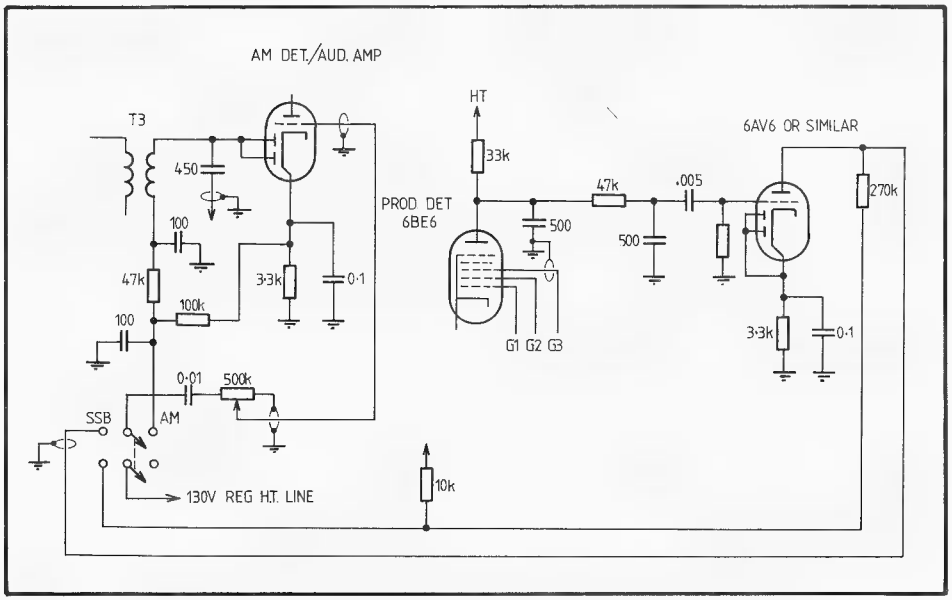

FIGURE 1: The new Detector Circuit.

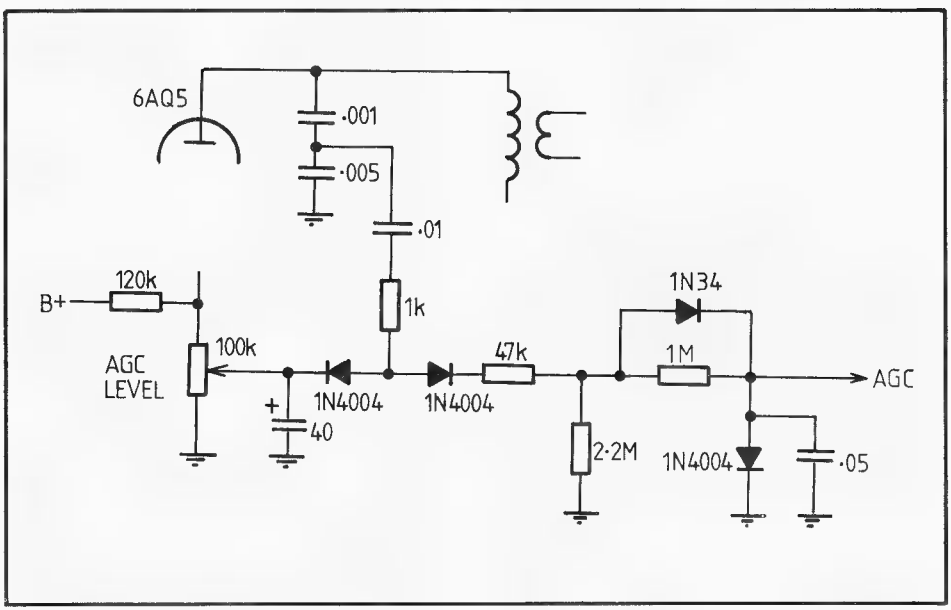

FIGURE 2: The new AGC Circuit.

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