

around 14090 kHz to try and find an amateur transmission. These can be recognised by the pauses between characters because the operator at the distant end is using the well-known 'hunt and peck' technique. While he looks for the next letter to send the signal will remain in a steady mark state, and when the key is pressed there is a short burst of 'warble' followed by another period of steady mark tone. Even with experienced amateurs there will still be pauses which would signify that the transmission is of amateur origin.

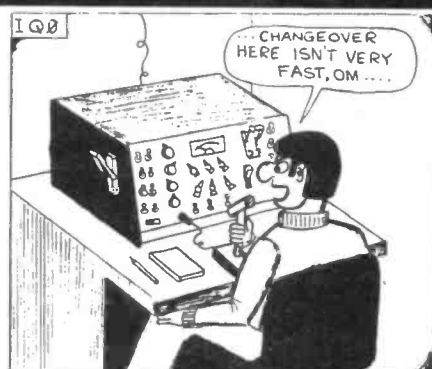
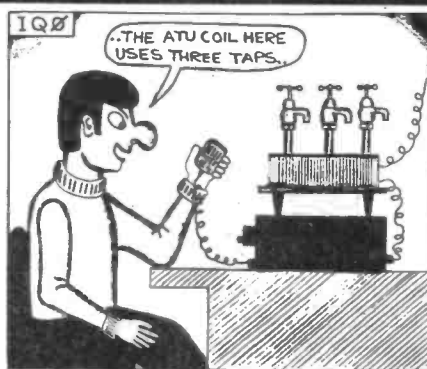
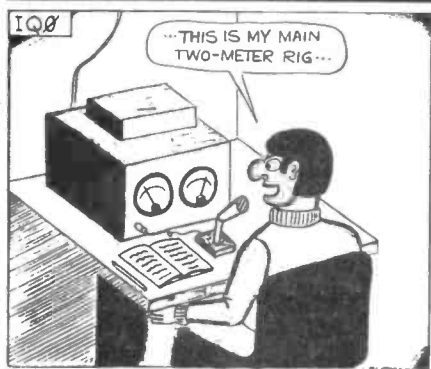
Assuming that your receiver has a separate control for the BFO, tune it for maximum signal strength and adjust the BFO to give a peak

reading on the tuning meter. Once this setting has been found the control should be left well alone and all the tuning done on the receiver main dial; this will apply also if no separate BFO control is provided, such as in a receiver/transceiver designed for SSB.

Switch on the teleprinter motor and watch what is being printed. If the machine produces garble and races between characters it is connected upside down. A good indication of this is when a string of 'SYSYSYSY' is printed. Change the 'Normal/Reverse' switch, S2 on the circuit in Fig 3, and the printout will change to 'RYRYRYRY' which is the standard RTTY tuning signal. But expect a number of disappointments

to begin with... it takes a little practise to get results.

If no amateur signal can be found, or the receiver in use does not cover a convenient amateur band, it should be possible to find some other narrow shift transmissions elsewhere in the HF spectrum, probably with a speed of 50 bauds. This will mean rotating the screw seen through the governor rim seven and a half turns *clockwise*, remembering to screw it back the other way when endeavouring to copy amateur signals. However, you will find that there are a lot of commercial signals which are incompatible with the relatively simple receiving equipment in use, so don't be too disappointed if you are



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