

Radio 7CS

STATION 7CS is situated at 14 Law Street, Launceston, Tas., and has been in operation as a transmitter for the past eight months, although the

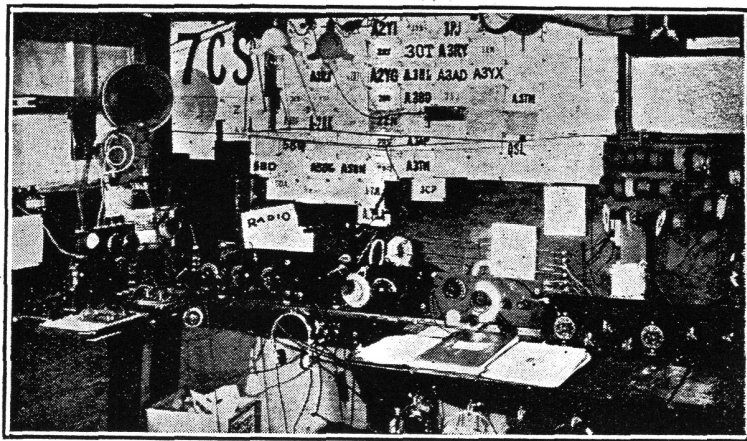
A separate transformer to the H.T. transformer is used for the filament supply stepping the 110 down to either 6, 7, or 8 volts. This trans-

three-coil Meisner, but now has many variations and it is hard to say what circuit it is at present, states the operator, but the "sigs." punch through the ether, according to the number of QSL cards that have been received from all Australian States and N.Z. 'Phone and I.C.W. are also used at this station.

For 'phone grid modulation is used after all methods had been tried and is found to work the most satisfactorily. Various kinds of transmitting aerials have been tried, including two wires, four wire cage on 6in. hoops and now a single wire semi-vertical, 35ft. high and a counterpoise of four wires immediately underneath 7ft. from the ground is used. This will shortly be cut down to two wires and then, most likely, to one. Every week and sometimes every night something is altered, sometimes getting better results and sometimes worse.

A separate single wire aerial is used for receiving, most of the usual DX being received on it.

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A corner of 7CS.

owner, Mr. A. Cecil Scott, has had an experimental license for the past three years. A lot of research work has been done at 7CS, including tests to reduce the interference in Launceston known as the "roar."

7CS transmits on a wavelength of 90 metres. Plate supply is obtained from the A.C. mains and at present is either stepped up to 200 or 300 volts, whichever is required. At the present the transmitter employs one five-watt

former can be seen in the photo. on the floor immediately underneath the transmitter. The circuit used is the



7CS's QSL Card.

"toob" and with 300 volts on the plate an aerial current of 1.2 amp is obtained on a wavelength of 90 metres. Before the current reaches the plate of the valve it passes through 42 rectifying jars, several chokes and a huge bank of condensers. According to reports the QSB of 7CS is very good and easy to read.

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