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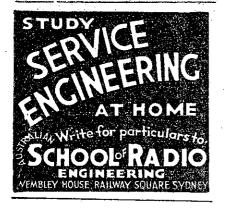
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UESTIONS AND ANSWERS

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"STATION 94K/A" (Invercargill): Is there a one-valve or two-valve A.C. receiver which could be adapted to put in portable case?

A.: In the July, 1935, "Radio Times" we described an "A.C. Twin" which could be adapted for this use. Copies of this issue are available at 1/1 posted.

K. J.D." (Te Kuiti): My T.R.F. has developed a fault, in that the volume drops with the volume control on full and gives the maximum with the volume controlled a shade back from full.

A.: This fault may be due to the volume control itself, as some, when

low resistance end than they should. A things, otherwise a new control is indicat-

Reception Notes

(Continued from previous page). should note that during the winter, night stations are considerably reduced in strength in comparison to the same sta-tions heard during the summer evenings. In fact, numbers of the shortwave sta-tions are not heard during winter months. However, during winter, stations can be heard all day, while during the summer the same stations cannot be heard.

TUESDAY, JULY 14.

DJB, 19.7m.: An improvement noticed on yesterday's transmission, today's being excellent at 11.55 a.m.

GSF, 19.8m.: Heard with a very good signal at 11.58 a.m., programme being a musical one. Signals steady, clear, and at good volume.

DJN, 31.45m., and DJA, 31.38m.:
Were both well below standard at 12.5 p.m. Round 2 p.m. and onward these stations are always found to be at good strength till closing time.
GSB, 31.5m.; Transmitting an excellent signal at 4.35 p.m., on a musical programme. Signals ware steady and clear cramme. Signals ware steady and clear

gramme. Signals very steady and clear.
GSD, 25.5m., was not so strong, being about two points weaker in volume.

YDB, 31.3m.: At 10.3 p.m. heard with musical programme. Signals fairly eak. This station always transmits a good musical programme, quality being

yery good.

PMN, 29.2m.: On the same programme as YDB, with slightly better signals.

PIP, 27.2m.: Signals about the same as PMN. These stations are heard with reliable to the same during summer even excellent volume during summer even-

ings.
DJB, 19.7m.: Heard round 10.25 p.m.. but signals very weak and of no enter-tainment value. Very little activity will be heard on the 19m. band now, for the

be heard on the 19m. band now, for the next two months.

RW15, 76.1m.: Transmitting a talk in Russian at 10.28 p.m. Volume good at 10.30 p.m. Very good quality orchestral music was heard. This station is heard best round 11 p.m., when volume is usually like a local station. Closes 1 a.m.

ed. But with the other question you ask, about the hum and heating of the transabout the hum and heating of the transformer, there seems to be more than this. You should check all resistances for value, both when cold and when hot, and also all condensers. It almost seems that a bypass condenser, most likely on a screen, has open-circuited. It is difficult to advise definitely without seeing and hearing the receiver itself.

2. There is a closed circuit tack in the

2. There is a closed circuit jack in the detector cathode circuit. Is that for

pick-up connection?
A.: Yes, the jack is evidently there for that purpose.

"A RCHIE" (Nelson): My aerial runs over the roof for about one-quarter of its length. Is this a disadvantage?

A.: If the aerial is near the roof and

the roof is iron, then it is a disadvantage.

2. How should an aerial be erected to obtain the best results?

A.: The aerial should be clear of all

objects as far as possible and as high as it is convenient to put it; height at the expense of length. About 100 feet of wire altogether, from the aerial terminal to the far end of the aerial, is about the average, and if the aerial is supported on two poles then the far and should be the two poles then the far end should be the higher.

"COMMANDER EIGHT" (Sydenham): Thanks for your letter giving us the results you have had with our sets. The results you have had with our sets. The trouble you are having seems to be in that instability that you term "slight." A common cause of whistles and broad tuning is instability in either an R.F. stage or I.F. stage, and the only cure is to track the point where the instability comes in. It may take some time to do this but the set will not be of much year. this, but the set will not be of much use till you get the set stable. Check your bypassing and see that there is no coupling between wires under the chassis, ctc. We sympathise with you this time!

BECAUSE "most of the complaints made to the police about noisy, wheezy, ill-regulated radio sets refer to very old apparatus," Austrian radio manufacturers recently destroyed about a thousand old receivers. The idea began in Denmark. The radio firms give sets not more than two years old in exchange for the old ones, at a nominal price or none at all, and when fifty or a hundred old sets have been assembled, a few strong men with sledge hammers are let loose on them in the presence of the firms' direc-

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