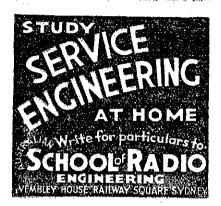
SAFEGUARD YOUR INVENTION

DIRECTORS W E HUGHES & I T HUNTER REGD PATENT ATTORNEYS 314-317 DIC BLOGS, WELLINGTON



When Your Set Fails!

Get a Qualified Serviceman

The following is a list of servicemen and firms employing servicemen who are fully qualified under Government Regulations, and we strongly advise our readers to employ Only Qualified Men and get the job done properly.

AUCKLAND.

S. D. Mandeno & Co., Chucry Ch.44-265 S.O.S. Service, 18 Darby St. 'Ph. 42-706

BLENHEIM.

Thomson's Music Shop.

Rahone Bros., Phone 1524.

HUTT AND PETONE.

Len Jenness, 238 Jackson St. Ph 63-433

HAMILTON.

G. S. Anchor, Radio House, Tel. 2143.

NEW PLYMOUTH.

Nimmo's Radio Service. Phone 439.

WELLINGTON.

Begg's Radio Service. Phone 40-120.

CHRISTCHURCH.

Tricity House, 209 Meastr. St 35,051.

DUNEDIN.

Wholesale Rad, Dealers, Hanover St.

OAMARU.

K. A. King, Thames Street.

HUNTLY.

Huntly Radio Service. Phone 80.

DARGAVILLE,

H. Gaukrodger Ph. Day 25k, Ngt 118m.

TAURANGA.

Radio Specialties. Phone 83M.

QUESTIONS AND ANSWERS

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"DX14N" (Christchurch): First, the replacement of the 227 valves by the 56 types is probably all right, as they are very similar. The cathode resistance should be from 2300 to 2700 ohms, depending on the actual plate voltage applied. The 45 type will often give that blue glow on the glass in the best of valves; the writer having at the present a pair which are operating in this manner.

The other trouble is probably due to the local-distance switch or aerial coupling coil, but is most certainly an intermittent contact.

"W S.T." (Nelson): The capacity of the condenser which you inquire about, we are able to estimate, from the templates sent in, as being very close to 0.0001 mfd.

"CQ7V" (Thornbury): From the symptoms you give concerning your set it looks as though there is no fault in the set itself; that is, no consistent fault. Between 1000 k.c. and 1400 k.c. there are setween 1000 k.c. and 1400 k.c. there are very many stations whose channels are so close together that it is impossible for the average set to discriminate between them; some actually interfere with each other, so that no set could ever separate them. The variations you notice in the mixing and whistling is caused by variations and times of starting and value. mixing and whistling is caused by varia-tions and times of starting up and stop-ping broadcasting of N.Z. and Australian stations concerned. Not having particu-lars of your set, we cannot suggest whe-ther apy improvement can be made at all, but in any case the improvement would only be slight.

ZEB" (Opotiki) : As your question will require diagrams and more space than can be spared in these columns we suggest that you write in for a postal reply for which the fee is one shilling

"PUZZLED" (Dunedin): There are many possibilities as to the source of the noise that you get, but with the other trouble taken into account also, there seems to be trouble in the align ment of the set; and before worrying about anything else we would suggest that the set be checked by a serviceman for its correct alignment. The noise you refer to as "seroplane" could come from power main interference, but this should disappear when you remove your aeria! PUZZLED" disappear when you remove your nerist wire from the aerial tempinal.

"PUZZLED" (Walkino): The addition of phones to your set and also for use of a microphone are best carried out by a serviceman, as without previous ex-perience the jab is likely to be trouble-some. The headphones have to be in-stalled so that there is no danger of a shock to the user, for there is a source of

sbock to the user, for there is a source of danger beit. The lack of other stations in daylight is most likely due to the locality giving peor reception to distant stations, and IYA being the closest comes in best. If you are having the additions made to the set, then get it checked over for any weak valves or misalignment.

I." (Palmerston North); The use "I." (Palmerston North): The use of a pick-up with a transformer to feed into the set is better than without, as the signal is usually greater. If a proper matching transformer for the pick-up is not available, then a good audio transformer of about 3 to 1 ratio will do. Try several ratios and makes and use that which gives the best response. sponse.

"T. R.F." (Roxburgh): If the difficulty you are experiencing with your T.R.F. is lack of selectivity, then the "Pre-Selector" would help a lot. We have a letter from a user of one of these which will be published in next week's issue, as his experiences have been very good indeed.

good indeed.

The addition of A.V.C. to the set would of course be useful for the fading trouble, but the expense of so doing might be more than you wish to incur. Get a quotation for the job from a good man and see whether it seems too high or not.



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