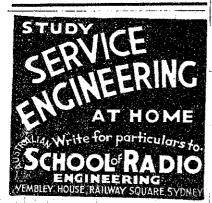


Onsult HENRY HUGHES LTD DIRECTORS, W. E. HUGHES & J. T. HUNTER REGD. PATENT ATTORNEYS, 214-217 D.C. BLDGS., WELLINGTON



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., Chncry Ch.44-265

BLENHEIM.

Thomson's Music Shop. Rabone 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, ific Engineering Service, 41 Dixon St. Phone 52-431,

CHRISTCHURCH.

Tricity House, 209 Mchstr. St. 85,051.

DUNEDIN.

Wholesale Rad. Dealers, Hanover St.

OAMARU.

A. King, Thames Street.

HUNTLY.

Huntly Radio Service.

Phone 80

DARGAVILLE

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

WHARATANE,

Radio Supplies (S D Beckett) Pii, 10

TAURANGA.

Radio Specialties. Phone S3M.

QUESTIONS AND ANSWERS

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DX1098. (Nightcaps): The best length of aerial is about 100 feet placed as high as possible, vertical being the best of all. The length that one is allowed to erect is not limited now.

"I M.I." (Manurewa): The best plan would be to make up the "Pre-Selector Unit" described in the 1936 "Radio Constructors' Guide," using a two-gang condenser of 0.0005 mfd. per section. This would then be suitable for

"TE." (Tauranga): The marking on the speaker is merely the resistance in ohms of the windings. It has nothing to do with the loudness of the signals given by the speaker. The one that you have would be just as suitable as any of the others you mention, the best resistance the stress described in the stress of ance to use depending on the type valve used in the last stage of the set.

"K. V.D." (Te Kuiti): The value of each section for the "Pre-Selector Unit" should have been given as 0.0005 mfd. If this size is unobtainable you can use .00035 with a reduction of the covering range. Yes, the heater supply could be taken from your set provided that the transformer there does not warm up too much with the extra load.

"DRAKE" (Kokiri): We are afraid that we cannot help you in the alteration of your receiver, as we do not design circuits for individual require-

"R.D." (Mount Eden): In the April issue of the "Radio Times" there is described completely the "Exelrad Broadcast Superhet Five." This should suit your needs exactly, as it has plenty of reserve and is an excellent performer.

"634A." (Napier): The model you have does not usually need any realignment except when new valves are fitted and the sealing of the condensers is performed to protect the guarantee. We suggest that you get the set checked by the nearest agents, who will be able to rescal it afterward.

"CURIOUS" (Frankton): In the July issue of the "Radio Times" there will be described a very high quality receiver with each stage of the audio in push-pull. You will probably be interested in this, which could be modified if you wish from the present 12 valves, to perhaps 10, and we suggest you await this description before deciding on any other type.

'OTAIO" (Timaru) : The iron core coil has a selectivity curve that approaches the ideal more closely than

FREE

Catalogue.

Write for Johns Ltd. big Radio and Accessories

does the air core coil, and it also has a

greater sensitivity.

There is a definite limitation imposed in recording or broadcasting music, on the ratio of the high to low passages, due to practical details in the apparatus used. The volume expander over-accentuates the crescendo passages to an amount sufficient to make up for this limitation. imposed.

"CURIOUS" (Reefton): In the absence of any details, it is impossible to ver your question fully. We are inanswer your question fully. We are inclined to blame a faulty valve or a faulty resistor, and suggest that you have the set overhauled by a good serviceman.

"DX341W." (Palmerston North): We "DX341W." (Palmerston North): We are afraid that you will have to lower that aerial even if it does mean lowering the pole, as there is no other way to adjust the condensers except by having the twisted pair near the aerial. By the way, when doing this see that the two ends of the twisted flex cannot touch each other and are well insulated there. there.

It is better to put in the paper and to adhere to the instructions closely.

New Standard in Radio Receivers

"Ferrodine" Iron-Cored Coils Used

RY introducing "Ferrodine" iron core Litz wound coils, which through increasing the selectivity go far towards eliminating station overlapping and interference, and by still retaining all the rich tonal qualities on distant reception, Breville have strengthened their already excellent reputation for expert engineering and design.

In the new range of Breville radios, which were recently released, metal valves have been used only in those positions where they give better performance than glass valves, so that the initial and replacement costs can be kept as low as possible. Another innovation in Brevilles is their Edgelit glass dial with the exclusive Breville escutcheon.

Housed in distinctive, beautifully-designed cabinets, the new line of Breville radios presents a finished product of expert craftsmanship, which is guaranteed throughout. We have no hesitation in saying that they are Breville's best to date.



RADIO ENTHUSIASTS! Get rid of your expensive Dry "B" Batteries. MILNES "B" ACCUMULATORS not only give you better reception, but you charge them yourself from your 6-volt accumulator at practically no cost. Save pounds annually by investing in Milnes. Obtainable on easy terms. Send 3d. in stamps for interesting 24-page descriptive bookiet.

JOHNS LTD., Box 471 Auckland