

DIRECTORS W E HUGHES & I T HUNTER REGO PATENT ATTORNEYS, 214-217 D.I.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., Chnery Ch.44-265

BLENHEIM.

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.

Nimme's Radio Service. Phone 439.

WELLINGTON.

Begg's Radio Service. Phone 40-120.

CHRISTCHURCH.

Tricity House, 209 Mchstr. 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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"P. S.L." (Patearoa): If you send in a diagram of the circuit that you are using as it is now we will be better able to see what is happening. There are several possibilities which could be operating to produce the fault that you are having and we do not wish to send you on a wild goose chase by giving one which may not apply.

"TOM THUMB TWO" (Awakino): The 1C4 valves would give a greater sensitivity and better economy than the

A.: The volume control would be the same as used in the "Birthday Five."

A.: The automatic volume control can be used just the same by connecting the return end of the grid leak to the bias resistor.

"S.E." (Belmont): Yes, the all-wave equipment you mention is an advantage if you are experiencing interference and if it is installed properly.

A.: The shortest earth lead possible and the aerial about 100 feet of wire, including the lead-in. The aerial should be as high as it is convenient to erect. a vertical wire being the best.

A.: Properly used, the metal valves are especially advantageous on shortwave, and are slightly better on broadcast. This is a general statement, as there are valves in the metal series which have not equivalents in the ordinary types and these metal ones are better in their char-acteristics than any of the glass ones that are nearest to them in characteris-

T." (Shannon): The reaction control trol could well be the throttle type and the resistance R2 can be included in either of the tuned circuits of L4C3 or L3C2, to act as an adjustment of the strength of oscillation in that quenching circuit. The value of this resistance would probably be about 1000 chms for an average case, but will have to be found by experiment. Try several values of volume control that you have. Let's know your results.

"R. W.C." (Hastings): The circuit you show would be suitable provided that the detector part would work down about 20 metres, and that the meter to show the effect were a rectifying type. The signals, put into the meter as it is, would be alternating in character and would not have any effect on a d.c. instrument.

"DXSIS" (Invercargill): There is no need for separate licences under the conditions which you state the sets are

"PUZZLED" (Kelso): The "Sky Hawk" is still a good set, but there is another more ambitious and more sensitive described in the 1936 "Radio Constructor's Guide" under the title of the "De Luxe Shortwave Six." This set, if carefully made was a sensitive set. fully made up, is really excellent and until, and if, we redesign this, using metal valves, it is easily the best yet.

M. J.S." (Papakura): We are at a loss to understand why the coverage loss to understand why the coverage is so low, as the circuit seems correct and the condenser you are using will cover a greater range than you get if the coils are right. In the "Radio Constructor's Guide." of 1986, there is a table on page 156 where, in column four, the coverages for your condenser are given for the different coil diameters. We suggest that you check the wining of suggest that you check the wining of

your set carefully with the diagram, ticking off on the diagram each wire as you trace it, as it may be that you have another condenser in parallel with your tuning condenser by mistake. Check also the coils with this table. Write again and let us know the result.

DX Topics

(Continued from previous page.)

and take a hand, but in this locality it and take a hand, but in this locality it has been a pretty poor season for Americans, KSL and KPO being the best, with XENT also good. KFI is getting to be real DX these days, as he is not received anything like last winter. Latest verifications to hand are XENT, 4BK, 4AK, 2NC, 3UZ, 3SH, 3HS, 3TR, 7NT, 4ZC and 3XY, only five reports being away.

Did any dxer succeed in getting LR5's special programme? I had no luck with it—local QRM saw to that.

By the way, any dxer who is interested in the exchange of QSL cards may have mine by simply sending his card to L. Oxenham, 6 Glendaver Street, Berham-pore, S1.—205W. (Wellington).

FRENCH entertainment authorities are protesting against amusement taxes, and claim that these should be shifted on to broadcasting. On March 20 there was to have been an amusement strike, in which the co-operation of the broadcasters was sought. that they should remain silent so that the public might not be able to get their amusement at home. It is understood that a bill will be introduced to institute a tax on radio advertising, the proceeds of which will go to assist the entertainment industry.

AN "Electrone" organ, first demonstrated at Radiolympia, London, last year, is to be added to the effects of the huge cinema organ in the B.B.C.'s vaudeville theatre, George's Hall. The sound is made by the application of electro-magnetic pick-ups to revolving discs engraved with varying wave forms. By momentary slowing up of the discs, gliss-ando effects are produced which make the average Reginald exclaim: "I don't believe it!" A "Reginald" is a cinema organist.

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(To be used with all requests for information.)

Model

Address

Nom de plume

Nom de plume

Pleuse Note:

1) Be specific and brief.

(2) We do not design circuits fo individual requirements.

(3) Limit three questions unlessign forting the processed.

(4) Fostal queries timit 3 questions. Enclose stamped and addressed envelope and 1/2 fee