

QUESTIONS AND ANSWERS

"EAGLET TWO" (Feilding): The high impedance audio choke you have on hand would be quite suitable to use in the "Eaglet Two." The capacity of the tuning condenser you have on hand is .00035 mfd.

J. H.C. (Awakino): What is the Pierce earth system, and how is it installed?

A.: The system and the method of installing it are illustrated in the accompanying diagram. It was first developed by an American dxer, after whom the sys-

"41" (Taihape): Lodge a complaint with your district Radio Inspector, who will investigate the trouble for you.

"AVON" (Christchurch): Your queries were answered in last week's "Radio Record."

"WONDERING" (Waipukurau): If you can pick up one or two American stations at fair speaker volume on the broadcast band, then your t.r.f. receiver should give satisfactory results with a shortwave converter. If it is not power-

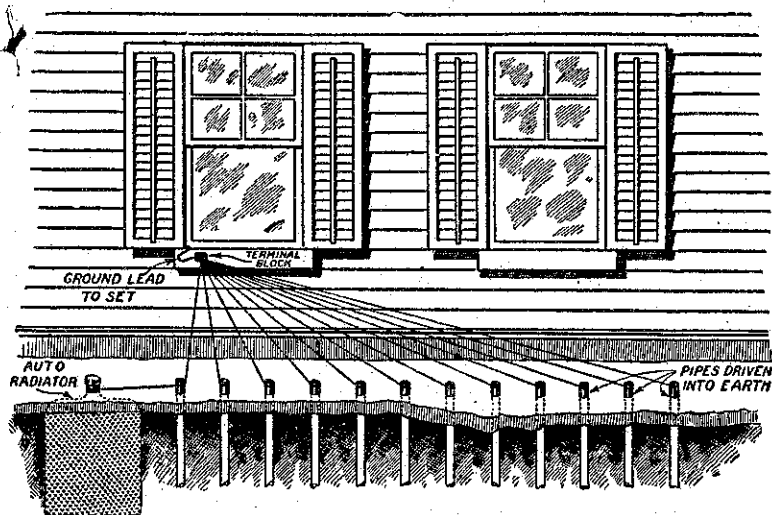
doubtedly it has a large bearing on your results."

5PB: "Very glad to get your report, o.m. I'm off the air at the present time due to pressure of work. Summer here now, and I'm an apiarist (bee-farmer). My brother and I run 1000 hives "r swarms. I'll be on the air again about Christmas with about 70 to 80 watts on phone, with a high fidelity xtal mike." —"Sunny" (Alexandra).

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tem is named. Outside the window, the earth lead from the set joins a terminal, from which twelve wires lead to a similar number of pipes driven into the ground. A leaky motor-car radiator is sunk in the ground at the end of the row of pipes with the cap just above the surface of the earth, so that water can be poured into it periodically. The earth leads should be well soldered to the tops of the pipes.

"IGNORANT" (Riverton): To attach headphones to your set, connect one side of a .05 mfd. fixed condenser to the plate of each of the pushpull 59's. The phones connect between the two free pig-tails on the condensers. To silence the speaker when the phones are being used, fit a switch in one of the leads from the secondary of the speaker input transformer to the voice coil.

"X.Y." (Otago): You should obtain excellent results by using a shortwave converter in conjunction with your receiver.

ful enough to do this, then a solution to the problem would be to build an I.F. amplifier into the converter itself. A tuned doublet aerial such as that described in the 1935 "Radio Constructor's Guide" should prove signal strength on the short waves appreciably.

"NOVICE" (Oamaru): Either of the two shortwave converters described in the May issue of the "N.Z. Radio Times" would work admirably with your receiver. Neither of them is difficult to build, though if you are doubtful of your capabilities in this direction, both models can be obtained ready assembled, tested and mounted in cabinets. The price for the built-up Exelrad kit is £5/5/- and for the Lekmek kit, £6/6/-.

DX Topics

(Continued from page 47.)

Europeans are still good, although they are fading out earlier every morning. I have logged two new Italian stations, but I am wondering whether it would be wise to report to them.

At midnight on Sunday, September 22. KFAC was R9, QSA5. The evening Americans are good from 6.30 p.m. onward.

Reports are away to CFCN, Munich, Lille and VK's 2BW, 2MK, 2BK, 4JU, 2HL, 5TR, 2RB and 3DX. CFCN was an easy catch on Friday evening, when they were on until 7 p.m. with their old-time programme. Verifications to hand this week are from VK's 5PB (29 watts), 2IL, 7BJ, 4LN, 2RB, and 2EL.

Excerpts from some are:—

2RB: "Thanks for the F.B. report and 'dope' on your layout. Am tickled about those hills you use for poles for your sky-wire!"

7KV: "Many thanks for the detailed report, and also the very interesting information on your aerial system. Un-

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.

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Thomson's Music Shop.
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F. J. W. Fear & Co. Phone 41-446.
Mack Radio, 76 Kent Ter. Tel. 53-828.
Henderson, 218 Lbtt. Qy. 41-892.
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CHRISTCHURCH.

Tricity House, 209 Manchester St.,
Phone 35-051.

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Howarth's Radio Service, 51 George St.
Wholesale Radio Dealers, Hanover St.

OAMARU.

K. A. King, Thames Street.

HUNTLY.

Huntly Radio Service. Phone 80.

DARGAVILLE.

H Gankrodger. Ph: Day 25k, Ngt 118m

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Radio Supplies (S. U. Beckett), Ph. 10

TAURANGA.

Radio Specialties. Phone 83M.

STUDY

RADIO

AT HOME

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