

# QUESTIONS AND ANSWERS

**"CONVERTER"** (Timaru): You could use the converter as outlined with your set. If the valves in your receiver have 2.5 volt heaters, and it is almost certain they have, then you could use the valves specified for the converter.

**D.Y.** (Auckland): It is suggested that you write the makers of your set in Auckland for the approximate readings at which the main short-wave stations in the world come in.

**G.A.E.** (Chertsey): I have just purchased a new five-valve superhet battery set. I live about 45 miles from Christchurch, but cannot get 3ZM as the set does not tune down far enough. What can be done to remedy the trouble?

**A.:** Very little, without dismantling the coils and taking a few turns off the grid windings. Your set is evidently designed to tune from 220 to 550 metres.

**2.:** What kind of short-wave converter would be best with this set?

**A.:** The Lekmek battery converter, described in the "Radio Times" for August, 1934, would give excellent results. Also, a single valve battery converter will be described shortly in the "Radio Times."

**"WOTAN"** (Dunedin): I have a five-valve commercial a.c. receiver which I have had for fifteen months. During this time the radio has been run on an average of five hours daily. When the set is switched on, a loud shrieking occurs, which ceases after the valves have become warmed up. What is the trouble?

**A.:** Evidently one or more of the valves needs replacing; they have certainly given you all the service you could expect from them.

**201A** (Blenheim): I have an aerial from my workshop to test sets and do a little dxing. There is a licensed receiver, owned by a separate person, in the house used with another aerial. Should I have a license as well?

**A.:** If you belong to the same family as the licensee, then an extra license is not required. Otherwise it is.

## Information Coupon

(To be used with all requests for information.)

Name of set .....

Model .....

Name .....

Address .....

.....

.....

.....

Nom de plume .....

To be kept in subsequent inquiries.

Please Note:—

- (1) Be specific and brief, tabulating if possible.
- (2) Write legibly and on one side of the paper.
- (3) We do not design circuits.
- (4) Limit three questions unless 1/- is enclosed.
- (5) Postal queries limit 3 questions. Enclose stamped and addressed envelope and 1/- fee.

**"SELECTRA"** (Auckland): I am thinking of building the "Selectra", crystal set described in the August 1933 "Radio Times." What type of

## RECORD AIR FREIGHT OF PHILIPS VALVES

### Flown 10,000 Miles to Meet Unprecedented Demand

TO meet an unprecedented demand that has arisen in Australia for the new Philips Octode frequency converter, a record-breaking air freight comprising half a ton of these valves was flown half-way across the world and landed last week at Mascot Aerodrome, Sydney, by air-liners of the Imperial, K.L.M., Qantas, and New England Airways.

This interesting news item has just been received in cable form by Philips Lamps (N.Z.) Ltd. from their Sydney offices, which arranged a reception and luncheon at the aerodrome for the radio trade to commemorate this unique event in the history of radio in Australia. Further details, with photographs, will be published in the near future.

condenser is the .001 mfd. in parallel with the headphones?

**A.:** Any ordinary tubular or mica type would be suitable.

**"AMATEUR"** (Lawrence): Is there an American 6-volt equivalent for the Philips 609?

**A.:** No. Perhaps the nearest to this valve is the 201A, which takes 5 volts on the filament.

**2.:** My set employs 6-volt valves. Could I use the "B" class amplifier described in the January "Radio Times" with it successfully?

**A.:** Yes, all you will need to do will be to tap off 2 volts from the "A" battery for the filament of the type 19 valve used in the amplifier.

**3.:** Where could I obtain the circuit of a two or three-valve short-wave converter?

**A.:** An a.c. converter was described in the "Radio Times" dated July, 1934, and a battery model in the following issue.

**K.R.T.** (Kaitangata): Sorry, but we cannot design circuits for individual requirements. If you wish to build a powerful five-valve superhet portable set, however, why not try building the "Golden Superhet Five," described in the December issue of the "Radio Times," in portable form? It would give you excellent results.

**"SUBSCRIBER"** (Wellington): I have a seven-valve superhet of recent design. On nearly any distant station there is a high-pitched ringing note which is softened but not dispelled when the tone control is turned

to the space position. A further fault is that 2YA comes in on several places on the dial besides 570; for instance, it comes in on 800, 960, 1400 and 1140 k.c. At full volume, 1YA spreads to cover 30 k.c. on the dial. Is this normal?

**A.:** Certainly not. Evidently what your set requires is a thorough overhaul and re-alignment. Your best plan would be to return it to the agents.

## Amateur Transmitters' Association

### Wellington Branch Meeting

A GENERAL meeting will be held on Wednesday, April 10, at 7.30 p.m., in the Club's Room, Messrs. A. S. Paterson's Building, Lower Cuba Street, Wellington.

Mr. B. Fleming has very generously offered to come along and give a talk on "Life and Work in the Antarctic." As Mr. Fleming has had a very varied experience there this talk should be very interesting.

D. REID (Acting-Hon. Sec.).

## SIEMENS' ELECTRIC LAMPS GUARANTEED 1000 HOURS

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63 Willis Street, Wellington.



**A.:** "How was your application for that senior radio position received?"

**B.:** "My age, experience and personal qualifications were quite alright, but to be successful I must have a Wireless Operator's 1st Class Certificate."

**A.:** "Too bad—what a pity you have not qualified."

**B.:** "Yes. But where can I get the necessary tuition in this country?"

**A.:** "Why—

JOHNSON'S RADIO COLLEGE,

8-10 Brandon St., Wellington.

I suggest you write for a prospectus."