Questions and Answers

(Continued from page 14.)

because you cannot get American stations that your set is not to blame, although it is certainly a little out of date. If it were in a better locality it would no doubt bring in plenty of American stations tions.

2. Can we do anything else to cut out QRN from the tramway?

A.: We had an article in the "Record" a week or two back which will help you, but unless you can get the co-operation of the transways department there is really very little more to do.

3. Is my set supposed to be good for DX work?

A. We know your little about that

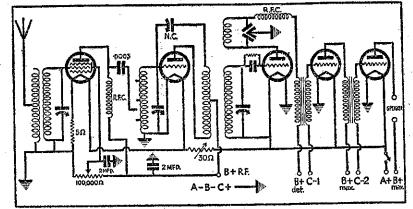
A.: We know very little about that model of set, other than it is slightly out of date. It should, however, be as good as the average.

NEW CHUM (Dunedin): Are the following valves suitable for a Browning Drake four: 1, 226 and a similar valve in the last stage, 227 detector and first audio?

A: The combination is by no means a good one. The 226 valve has gone right out of date. Use 227 in all stages except the last, and for that one use a

except the last, and for that one use a high gain power valve, such as B605 or

Could these be by-passed by half



The Hammarlund Roberts Circuit, with a s.g. r.f.

A.: Yes, There is no need to have them centre tapped.

ARMATURE (Dunedin): Your condenser is probably a .00025, and so the number of secondary turns is about right if you are using a 3-inch former.

L. M.M. (Palmerston North): Would mfd. condensers?

A.: We have not seen a circuit in have the same effect as the hose pipe in which the valves have been by-passed by an underground aerial? Would the inhalf condensers. Condenser between the side of the copper catch the waves which plate terminal of each valve and earth

would certainly tend to keep down stray also catch waves? I am only working on theory, and do not want to be rash and buy a lot of wire which will be of grid bias: 226, 1800 ohms, 227, 2000 ohms?

A.: Elaborate aerials such as you pro-

A.: Elaborate aerials such as you propose to erect are very rarely any more efficient than the ordinary. It aerial which we advise you to erect. Theoretically energy is collected only on the surface, and by exposing the outer and the inner surface you should collect more than by using a solid. However, the difference in practice would be very minute.

DINGO (Auckland): What height from the ground and length between the poles is most suitable for an aerial?

A.: As high as possible. Sixty feet is not at all too high. The total length of

aerial between the mast and lead-in should not exceed, say, 120 feet. An aerial 40ft. high and 60-100ft. long is an excellent

high and 60-100ft. long is an excellent compromise.

2. Should I get all Australian stations and some Americans on my 8-valve set?

A.: That is more than we can say, as so much depends on your locality. Your set may be able to bring in European stations, but your locality may be against you, and you may not be able to get all the Australians.

3. Which is the best—a short earth or a long one?

a long one?
A.: The short earth wins every time.

DETECTOR (Blockhouse Bay): I wish to add a screen grid valve to my H.R. 4-valve set. Could you give me some particulars?

A.: Accompanying this query is the sketch, which should give you some idea sketch, which should give you some idea of connections. Here are the specifications for 2in. coils. The first aerial coil consists of 20 turns of 26 gauge wire, and the secondary, tuned to .00035 condenser, is 78 turns of the same wire. The interstage coil consists of 78 turns of 26 d.s.c. wire tapped at every 15 turns. The detector stage is the same as for the ordinary HR set. This hookup will do equally well for the Browning Drake. The winning lists in the DX competition appears in this month's "Radio Log."

Australian Programmes

Times Corrected for N.Z.

Thursday, September 3.

STATION 2FC: 9.40 p.m., 10.15 p.m., Madrigal Society. 9.47 p.m., concert duet. 10 p.m. and 10.59 p.m., piano and 'cello numbers.

2BL: 9.30 p.m., relay of programme from the Conservatorium Hall in connection with "Music Week."

3LO: 9.30 p.m., "Jack and Jill 'Propriety' Unlimited." 9.45 p.m., dance items, interspersed with novelty numbers.

3AR: 9.45 p.m., programme of studio reproductions.

Friday, September 4.

STATION 2FC: 9.30 p.m., a concert hour, arranged by the Musical Association of N.S.W. 10.45 p.m., an oldtime minstrel show, relayed from 3LO.

2BL: 9.30 p.m., an orchestral hour. 10.30 p.m., "A Sent in the Park," a comedy.

3LO: 9.30 p.m., excerpts from the compositions of Madame Florence Ewart. 10.45 p.m., an old-time minstrel

3AR: 9.50 p.m., community singing from the Ballarat Town Hall.

Saturday, September 5.

STATION 2FC: 9.30 p.m., final concert programme presented in connection with Music Week from the Conservatorium Hall.

2BL: 9.30 p.m., 11 p.m., 11.24 p.m., and 11.49 p.m., The Sevilla Gipsies. 9.35 p.m. and 11.17 p.m., Frank Botham, baritone, 9.40 p.m., Jake and Lou in "Humorisities." 9.52 p.m. and 11.32 p.m., Rene Rich, violiniste. 10 p.m., description of boxing contest at Sydney Stadium. 11.7 p.m. and 11.39

p.m., Cash and Carrie, entertainers. 3LO: 9.30 p.m., "September Snapshots"-the monthly review.

3AR: 9.30 p.m., brass band and ballad concert.

