

## Loftin-Three

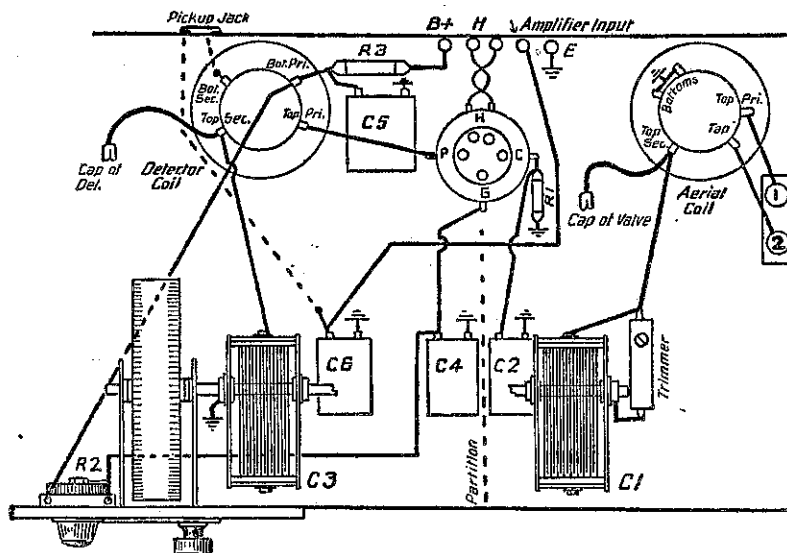
(Continued from page 17.)

tended to allow of the audio amplifier being placed at the left hand side with the tuning dial in the centre. The arrangement is made thus so that the amplifier will have to be turned round with the screen grid valve to the right.

Those who have made up the original

cerning the arrangement of the gramophone radio switch hold for this circuit. The shield must be regarded as the negative, and all connections shown earthed must be made to it. This is then connected with B— of the amplifier.

"Amplifier input" is connected between the 500 ohm. resistance and the 50,000 ohm. biasing resistance at the end of the detector circuit. This is the point between R1 and R2.



amplifier must adjust the wiring of the input as is shown in the diagram in this issue. By making the connections, which by the way, are shown in the diagrams of both the systems, there need be no trouble when changing over from gramophone to radio. The remarks made con-

If there is any difficulty to stabilise the system and efforts directed toward reducing the turns on the primaries are unsuccessful it will be necessary to incorporate an r.f. choke and condenser in the output. The choke is connected in series with one of the leads to the speaker and the .001 mfd. condenser connected between the set side of the choke and the ground. It need not be stressed that this condenser should be able to withstand the voltage coming from the amplifier which is in the order of 500 volts. It should thus have a test of 1000 volts.

We have now fairly fully treated the three valve systems. Next week we shall go a step farther and consider the Loftin-White system applied to a four-valve set, using the 250 type valve and the power pentode. Furthermore, we hope in the near future to publish the constants for the new E406 valve.

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## Programme Features

(Continued from page 19.)

by them. The programme will include a lecture-recital to be given by Mr. Karl Atkinson, entitled "Man's Musical Pilgrimage."

### Wellington Items

THE final talk of the series which has been broadcast by Mr. Colin Smith, of the "Radio Record," will be given to-night, at 7.40. Mr. Smith's subject is "Trouble Tracking," one which will no doubt be of great interest to most listeners.

The 2YA Orchestra, under Signor A. P. Truda, will play several bright numbers, and the assisting artists are all contributing items which should find favour. Mr. Ken Rigby, a baritone, who is very popular locally, will feature musical comedy numbers, and Miss Katherine Baskette (mezzo-soprano) will sing a group of light ballads. Mr. Billy Hart, the well-known entertainer, will be heard in a group of the latest popular songs, and humorous duets will be sung by Mr. and Mrs. E. Ransom Myers. Mrs. H. G. Reeves, one of Wellington's leading banjo players, and a pupil of Mr. Bloy, of Christchurch, will play several numbers. If circumstances permit, there will be a relay of a sound film feature from the Majestic Theatre. A dance programme will follow.

## Notes from 3YA

TO-NIGHT there will be two hours of first-class light entertainment, featuring the Valencia Quartet, assisted by strong supports.

### 4YA Topics

THE orchestral combination which recently performed and elicited much appreciation from listeners, has been engaged again for this evening. A programme of light music will be presented to mark 4YA's new popular night. All the instrumental selections are bright and contain several marches and popular entr'actes. During the evening Miss A. Winkel, elocutionist, will present two new recitals which have not yet been given in the Dominion: "Kate in the Telephone Box," and "Reducing." Both of these selections contain abundant humour. Miss Anita Winkel has held three championships, won at Wellington, Christchurch and Dunedin.

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# RADIO DIRECTORY

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### CITIES

- ACE and HAMMARLUND SETS, Johns, Ltd.  
WESTINGHOUSE Rectifiers Chancery Street, Auckland.
- BROWNING DRAKE SPECIALISTS F. J. W. Fear & Co.  
03 Willis Street, Wellington.
- BURGESS RADIO BATTERIES, All Radio Dealers.
- KING RADIO RECEIVERS ... F. J. W. Fear & Co.,  
63 Willis Street, Wellington.
- LOFTIN-WHITE AMPLIFIERS Stewart Hardware Ltd.,  
Courtenay Place, Wellington.
- MAJESTIC RADIO RECEIVERS Kirkcaldie & Stains,  
Wellington Agents, Lambton Quay.
- MULLARD VALVES ... All Radio Dealers.
- PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and AT-WATER KENT SETS ... Harrington's, N.Z., Ltd.,  
138-140 Queen St., Auckland.  
40-42 Willis St., Wellington.
- RADIOLA RECEIVERS and Farmers' Trading Co., Ltd.,  
Expert Radiola Service. 110 Hobson Street, Auckland.
- STEINITE RADIO ... G. G. Macquarrie, Ltd.,  
120 Willis St., Wellington.

### COUNTRY TOWNS

- MAJESTIC ... Radio House, Hamilton.  
G. S. Anchor Manager.
- PHILIPS VALVES AND APPARATUS All Good Radio Dealers.