

The L.W. Amplifier

(Continued from page 20.)

Shielding of the last valve, short or shielded output leads, and other similar precautions should be attended to. The inclusion of a r.f. choke in the output circuit as shown in the theoretical diagram is a simple precaution. The .0005 fixed condenser shown dotted may help matters. Alternatively, it may run direct to the shielding instead of to the 245 centre-tap.

An output transformer is shown in the diagram, but its use is governed by the same rules pertaining to all amplifiers. Its use is recommended, even with a magnetic speaker, because 30 m.a. is far too great a current to put through speaker windings.

(To be concluded next week.)

New Shortwaver

Details of ZL2XX

MR. A. B. McDONAGH sends the following notes:—

ZL2XX, 31.4 metres. On the air on Wednesday night. On 'phoning them they arranged a test and gave a call, followed by records. This station will be on the air from time to time. Address is Western Electric Co., Box 605, Wellington. On the first occasion they were calling Rotorua and Dunedin for test. The writer compliments the station for strength and clarity.

W2XAF, about 31 metres, was on testing at excellent strength last week. Records on two valves came out on the speaker. He called 2ME to ask about Miss Johnson. About 11 p.m. he became gushy.

Thursday, 5th, 2XX was working Dunedin. 2XAF came on with Sydney, but was not too clear.

W3XAL is usually at his best from 4.30 to 5.30 p.m. on Sundays.

Eighty metres, in the early evenings and Sunday mornings and nights, there is plenty of variety here, not to mention some very good records. ZL2BA is testing and asks for reports from the West Coast.

Forty metres, a number of Victorian amateurs may be heard here at times.

A description of station ZL2XX, which came on the air for the first time under that name on Wednesday, June 4, was supplied me by the Western Electric Co. (N.Z.), Ltd., Hope Gibbons Buildings, Wellington, per Mr. W. G. Leatham.

Oscillator 5 watt. 450 v. Frequency double 5 watts 500 c. Modulation 2-5 watters 500 v. First straight amplifier 5 watts 500 v. Power amplifier 2-50 watters in push-pull 800 v.

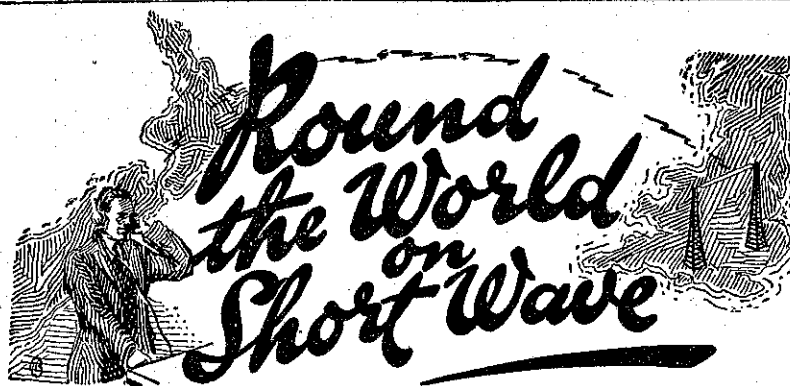
The input was 82.5 watts at that time of working with radiation of .8 amperes.

The station will be on the air from time to time.

As an experiment I tried the carbundum crystal set and could hear the music fairly clear.

Radio Listeners' Guide, 1930 Edition. Dealers and Booksellers 2/6, posted 2/9. P.O. Box 1932, Wellington.

Available Everywhere.



THIS page is conducted in the interests of shortwave enthusiasts. A weekly log comprising notes of reception and interesting topical events is contributed by Mr. F. W. Sellens, Northland, Wellington, but all listeners are invited to send in paragraphs of general interest.

Short-wave Notes

G2NM Back Again.

MR. GLEDHILL (Christchurch) The daily broadcast begins at 9.30 writes that Mr. Gerald Marcuse, a.m. N.Z. time, and the power has G2NM, is now operating on 21 metres, been increased to 1200 watts.

Stations Heard During Week Ending June 7

ZL2XF, Wellington, 180 metres: Wednesday.
RA97, Siberia, 70 metres: Wed., Thur., Fri. and Sat.
W9XF, Chicago, 49.83 metres: Tuesday and Saturday.
W3XAL, New Jersey, 49.18 metres: Tuesday and Saturday.
W2XE, New York, 49.02 metres: Tuesday.
3UZ, Melbourne, 32 metres: Monday and Saturday.
ZEESSEN, Germany, 31.38 metres: Each morning except Sunday.
W2XAF, Schenectady, 31.4 metres: Tues., Fri., and Saturday.
KIXR, Manila, 31.3 metres (about): Tues., Thur., Fri. and Sat.
ZL2XX, Wellington, 31.4 metres (about): Tues., Wed., and Thurs.
PCJ, Holland, 31.28 metres: Friday and Saturday.
NRE, Costa Rica, 30.5 metres: Saturday.
VK2ME, Sydney, 28.5 metres: Daily.
GBP, England, 27.7 metres: Daily.
CJRX, Winnipeg, 25.6 metres: Saturday.
5SW, Chelmsford, 25.53 metres: Each day except Sunday and Monday.
VPD, Suva, 20.79 metres: Tuesday.
W2XAD, Schenectady, 19.5 metres: Tuesday and Saturday.
? 41.6 metres (about): Tuesday and Wednesday.
? Germany, 31.5 metres (about): Tues., Wed. and Friday.

Sundays 9 p.m. till 10.30 p.m., and Mondays 5 a.m. till 6 a.m., N.Z. time.

Mr. Gerald Marcuse is a well-known English amateur who has done much pioneer work in short-wave broadcasting for reception in British colonies. It is understood that the above schedule has been arranged to fill up the gap over the week-end when G5SW is not operating.

Schedule of 3UZ, MELBOURNE.

STATION 3UZ has announced that they will be operating on 32 metres from 8.30 till 10.30 p.m. (N.Z. time) on Mondays, Wednesdays, and Saturdays.

Reception of this station varies considerably here. At times they are up to R9, but more often the volume is too poor for continued listening.

PCJ Syncopators.

STATION PCJ has engaged a special orchestra known as the PCJ short-wave syncopators, to provide orchestral music for Australian and New Zealand listeners.

French Short-waver.

THE Radio Club de Toulouse transmits every Sunday from 8 a.m. to 9.30 a.m. (N.Z. time) on 40 metres. The French private short-wave station, styling itself Paris Radio Experiment-

al, which has daily broadcasts on 31.65 metres, has decided to lower its wavelength to roughly 29 metres, in order to avoid interference with existing transmissions.

The daily broadcast begins at 9.30 writes that Mr. Gerald Marcuse, a.m. N.Z. time, and the power has G2NM, is now operating on 21 metres, been increased to 1200 watts.

Bureau of Posts, operating on wavelengths from 54.5 to 66.5 metres, will be completed.

Log for the Week

Monday, June 2.

WAS up earlier than usual, but did not hear any stations on telephony except Zeesen, which was very good at R9, with slight fading. The German started at 6.30 a.m. with orchestral music after an announcement.

VK2ME were talking to GBP at 7.15 p.m. The Sydney station was R9, while the other was too weak to be readable. 3UZ at 8.45 p.m. was very rough at R6.

Tuesday, June 6.

THE 41.6-metre stranger was R2, with music at 7.20 a.m. This station, when audible, is always about the same volume. It is the only one to be heard over a long period without being identified. It may be the French station "Radio Vitus," which tests on about this wavelength.

Another stranger, a German, on about 31.5 metres, was just audible at 7.30 a.m.

Station 5SW was R5 at 7.30 a.m., when the Greenwich Time signal was heard. Volume was about the same till toward the end of the transmission, when it increased to R8. After Big Ben struck midnight at 10.30 a.m. our time, 5SW closed down till "12.30 tomorrow."

Zeesen at 7.30 a.m. was excellent at R9. Volume was less soon after, and music, etc., became mushy. W2XAD were well received from 12.30 p.m. at R5, soon increasing to R8. W2XAF with the same programme was not audible till much later, but were quite good after 3 p.m.

Station W9XF, W3XAL and W2XE, at 4 p.m. were R6, R7, and R5 respectively.

Another station between 9XF and 3XAL was just audible, but not clear enough to be readable. VPD, Suva, at 1.30 p.m., were calling 2ME, Sydney, but apparently could not make contact. VPD was R8.

VK2ME R9, and GBP, R5, were on duplex at 5.30 p.m. 2XX were testing on 31.4 metres during the evening. Volume and quality was excellent. KIXR or W2XAF at 10 p.m. was R9.

Philippine Islands Short-wave Stations.

THE Radio Communication Board of the Philippine Islands at a recent meeting declared that during the year seven new short-wave stations of the

An Announcement !

THE ADD-A-PHONE

—Is a two-valve unit, made and designed in New Zealand and for New Zealand's extreme conditions. It comes to you as a finished product for the reception of Short-Wave Stations. It can be attached to any modern Electric or Battery Set instantly without disturbing any valves in your present set, and I honestly believe it to be the best method of receiving short-wave stations on an electric set. Remember, it is NOT an adaptor. It permits the use of 'phones if required to locate weak stations. There is no necessity to disconnect your Speaker or any part of your set. It can be used beside your set or in the next room. It can also be used independently of our electric set or any other make of set. Full Descriptive Literature will be available from the printers in a few days, when all applicants will be forwarded copies.

Mack's Radio Service,

'Phone 20-798.

76 KENT TERRACE, WELLINGTON.