

## Reception on the 20 and 40-metre Bands

MR. J. V. McMINN, N.Z.14W, reports as follows:—

**COC, Havana, 49.9 m.**, on Sunday was heard signing off at 5.30 p.m. after giving a programme dedicated to all short-wave clubs. They reached R8 with excellent quality. Reports should be sent to Box 98, Havana, Cuba.

**HJ1ABB, Barranquilla, 46.5 m.**, from 6 p.m. at R7, broadcast rumba dance music and announced call, which is given as "La Voz de Barranquilla, HJ1ABB," and can be easily recognised. They were still on the air at 7 p.m., but local code QRM was bad.

**JVH, Nazaki, on 20.5 m.**, was working London and Berlin at midnight in preparation for the opening of the new Anglo-Japanese phone circuit. JVH reached R8, while the other two stations were just higher in frequency and slightly weaker, but very clear.

**HAS3, Budapest, 19.51 m.**, was heard from 1.15 a.m., being R6 with rapid fading, but a clear signal. Orchestral music was broadcast and a lady announcer gave the call and wavelength in English at this time. They dropped to R5 by 2 a.m., remaining on the air. Power 20 k.w.

**W5AFW, on 75 m.**, phone was working ZL2BE, and arranging a schedule. At 12.30 p.m. his phone was a steady R6, but slightly distorted.

On March 3 from 8.20 to 9.50 p.m. VK3ZX was heard sending a "special" to the International DXers' Alliance and S.W. Club of New York. I would be pleased to supply information on the above combined organisations to both broadcast and shortwave listeners. Address: 12 Edge Hill, Wellington, C.3.

## Reception at Stewart Island

MR. M. F. TAYLOR (NZ148W) reports from Half Moon Bay as follows:—

**80 metres:** The "Yanks" have been at good volume lately. Latest loggings are W5AEM, W2CTY, W4NU1, W6-EUK and W8BIC, VK2EX and VK3EU.

**RV15, on 70.1 m.**, has a very good programme. At 10.30 p.m. he is usually R8, QSA5, with plenty of QRN.

**49 metres:** W8XAL never more than R7, QSA5. W9XF, R8, QSA5, announces in foreign languages when closing each evening. W8XX best station on this band, usually R8-9, QSA5 by 6 p.m. Relay from the new "Casino" Hotel St. Paul, St. Paul. QRN pretty heavy on this band from about 4.30 p.m. PK1WK, most evenings at 10.30 p.m.

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nas an R8 carrier, but R6 speech, with heavy QRN. A Japanese on 47 metres (approx.) has been heard on the last few nights (probably 44-metre one, who seems to be missing), with an R8 carrier, R6 speech, QSA4, giving English news at 9.30 p.m. on March 12.

A stranger on 38 metres (approx.) plays native music. R5, QSA3, 9.45 p.m. March 7. Heterodyned by some other station.

**31 metre band: VK2ME R8, QSA5** every Sunday, 10-12 p.m. **VK3ME**, Thursday, March 7, 10 p.m., R7, QSA5 (seems to have changed schedule). **VK3LR**, coming in better, but still a little erratic. Heard them working "Radio Nations" on March 6 at 7.30 p.m., when they were R9, QSA5. "Radio Nations" (9595 k.c.) worked 3LR on March 6. R7, QSA5, close to 3LR, with slight heterodyne. **GSB**, easily best station on this band, being R9, QSA5 at 7.15 p.m. most evenings, fading to R8 by 9.15 p.m. Only R6 in mornings at 8 a.m. and usually very gushy. **DJA, R8, QSA5**, 8 a.m., with fine orchestral music. Only about R5, QSA3 at best on New Zealand programme at 9 p.m. Bad heterodyne most evenings by unidentified station. **W1XAZ** is R5, QSA4 most days when closing in afternoon. **W2XAF** is R6, QSA4 when he signed off at 9 a.m. on March 6, saying that dealers throughout Canada and the United States of America were conducting a listening test that morning.

**25 metre band: FYA "Radio Coloniale"** best station on this band, especially from 4-6 p.m., when they are R9, QSA5. Usually R7-8 on session which concludes at 3 p.m. **W8XX**, rather weak on this band at present, best day being March 11, when they were R7, QSA5 at 6 p.m. **GSD** still fair, but not as loud and steady as **GSB** on No. 1 transmission. **DJD, R5, QSA4** most mornings at 8 a.m., with slight surging usually.

## Early-Morning Shortwave

THE following notes on shortwave reception are taken from the log of Mr. I. Henderson (Wellington), for Monday, March 11.

**FYA, 19.68m. (15.24 meg.)**, opened with the Marseillaise at 12 midnight. This was the only station to be heard on the 19 metre band this morning. R7, QSA5. English news given out at 1.35 a.m.

**RV15, 70.2m. (4.27 meg.)**: This station is improving. Static not so noticeable. At 12.15 a.m. R8, QSA5.

**YDA, 49m. (6.1 meg.)** was fair, with musical programme, R7, QSA5. This station is moving to a lower frequency shortly.

**RNE, 25m. (12 meg.)**: French session at 12.40 a.m. R8, QSA5. This station has a session in English at 3 a.m.

**GSE, 25.28m. (11.86 meg.)** only R5, QSA4, at 12.45 a.m. Had a musical programme. **GSF** could not be heard.

**DJN, 31.45m. (9.54 meg.)** and **DJA 31.38m. (9.56 meg.)** opened at 1 a.m. with a shepherd's folk song. R8, QSA5.

**DJA** was heterodyning **VUB**, otherwise reception was perfect. Announcer stated that **DJE 16.89m. (17.76 meg.)** was transmitting same programme to South America. **DJE** not heard. News bulletin in English at 1.45 a.m. from **DJA** only.

**VUB, 31.36m. at 2 a.m. R7, QSA5.** Native music.

**PHI, 25.57m. (11.73 meg.)** was R7, QSA5 at 2.10 a.m.

**GSE, 25.28m. (11.86 meg.)** and **GSB, 31.55m. (9.51 meg.)**, at 2.15 a.m. started relay from Belfast studios. **GSE, R5, QSA4**, and **GSB R7, QSA5**.

## The Care of Loudspeakers

(Continued from page 46).

speaker is no longer able to produce full volume without considerable distortion. Often it will "zizz" badly on certain sounds.

### Dust and Damp.

Dust is a great enemy of the moving-coil loud-speaker, whether of the permanent magnet or of the electro-magnetic type. The clearance between the speech coils and the sides of the gap in which it moves is very small, and, if a thick layer of dust collects, as too often it does, the instrument may begin to distort badly. Every endeavour should be made to exclude dust from the working parts of moving coil loudspeakers. A bag made from dust-excluding material and fitted with a draw string is most useful for this purpose. The bag encloses the entire chassis and cone and is held in position by the draw-string at the rear.

The effects of damp are almost, if not quite, as serious as those of dust. They are particularly bad in loudspeakers of the "telephone receiver" and reed types but they can also have dire effects in a moving-coil instrument if the gap becomes reduced in size by the formation of rust. Be careful therefore to keep the loudspeaker, of whatever type it may be, in a dry place. If it does become damp and deterioration sets in send it immediately for an expert overhaul.

In some moving-coil loudspeakers the cone is rather prone to lose its correct centring. Binding in the gap then occurs on loud passages and distressing distortion results. Centring methods vary somewhat, but an excellent outline of the general procedure is given in an article published in the January "Radio Times."

## When Your Set Fails !

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