

Short-wave Jottings

Mr. Sellens writes:—

The following is the latest schedule of the short-wave stations of the General Electric Company, Schenectady, New York: W2XAD (19.56 metres):—

Monday	8 a.m.-8.45 p.m.
Tuesday	10.30 a.m.-4.30 p.m.
Thursday	10.30 a.m.-4.30 p.m.
Saturday	10.30 a.m.-4.30 p.m.
W2XO (21.96 Metres):	
Tuesday	6.30 a.m.-8.30 a.m.
Friday	6.30 a.m.-8.30 a.m.
W2XAF (31.48 Metres):	
Tuesday	10.30 a.m.-4.30 p.m.
Wednesday	10.30 a.m.-4.30 p.m.
Friday	10.30 a.m.-5 p.m.
Sunday	10.30 a.m.-4.30 p.m.

All N.Z. M.T.

Note.—At present "daylight saving" is being observed at New York, therefore these times are one hour earlier at present.

Although not mentioned in the schedule as supplied by the G.E.C., 2XAD and 2XAF are both on the air from 10.30 a.m. till 4.30 p.m. on Sundays (our time).

FOR SALE OR EXCHANGE

The rate for small advertisements under this heading is 2/- each for 20 words, and twopence for every other word thereafter.

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FOR PRIVATE SALE, Seven 20-Volt Units Fuller "B" Batteries; large capacity; in perfect condition; cost £9 9s. What offers? Write Radio, care 110 Southern Cross Building, Auckland.

KEEP your "Records" neat. Filing covers, strong, printed and pierced. 1/6 post free.—"Radio Record," P.O. Box 1032, Wellington.

HAVE you obtained your "Listener's Guide"? 2/6 from booksellers and radio dealers, or 2/9 post free from the publishers, Box 1032, Wellington.

YOU can save money by writing for our special radio mail-order price list. Electric Lamp House, 27 Manners Street, Wellington.

A Danish Short Wave Station.

SINCE the beginning of April the Danish short-wave station in Lyngby has re-broadcast the Danish programmes. At first the transmissions were on 31.6 metres, later on 49.5 metres, and now the station is experimenting on 19 metres. At present the energy is about 1 K.W., but it may later be raised to 10 K.W.

Konigsusterhausen's Short Wave Station.

AFTER delays caused by unprecedentedly severe weather, good progress has been made with the German short-wave transmitter at Konigsusterhausen. The first tests are expected to begin shortly.

Broadcasting on Ultra-Short Waves.

EXPERIMENTING with so-called "ultra-short waves," of little more than 3 metres, have been carried out by the German Ministry of Traffic, and by Professor Esau, the well-known Jena physicist, and other scientists. They are now being continued with much shorter wavelengths, down to 12 inches. It is believed, moreover, that within a year wavelengths as low as 8 inches will have been so developed that they can be employed practically.

Reception During Past Fortnight.

MY log is rather "patchy" for the last week or two, so will give a summary of what has been heard.

As 5SW announced that they would commence half an hour earlier on Empire Day, I rose at 5 a.m. to hear Mr. Baldwin speak. Being a little late, the station announcement was missed, but heard "Big Ben" strike the half-hour (6.30 p.m., London), followed by a band playing military airs, concluding with "Rule Britannia."

5.6 a.m.: "Onward Christian Soldiers," by band and massed people (very good).

5.9 a.m.: Band, a well-known tune, but can't name it.

5.13 a.m.: Some military orders heard, then "Land of Hope and Glory," by band and people.

5.19 a.m.: Prayer of thanks for the King's recovery, "Lord's Prayer," and further prayer. (These were all 100 per cent. readable).

5.23 a.m.: Band.

5.28 a.m.: Cheering and clapping, then Mr. Baldwin commenced his talk by referring to "listeners in our mighty Empire," etc. This talk, which was only about 50 per cent. readable, concluded at 5.40 a.m., followed by "O God, Our Help," by the band and people.

This concluded a very interesting reception. Reception from 5SW has been the average from 5.30 a.m. Strength about R7-8.

Another interesting broadcast was heard. This was 2XAD on Sunday, May 26. A line was connected with Fort Worth, Texas, to allow listeners to hear the roar of the engines of the army monoplane "Question Mark," which at the time of speaking had broken the world's record for a sustained refuelling flight. As an electric storm had forced the flyers to go 30 miles away for safety, the machine was not heard. However, an interesting description was given of the effort, describing how the refuelling was

done and by whom. The wives of the aviators, Kelly and Robbins, had a few words to say to "their unseen audience." One, who was a seven weeks' bride, advised girls not to marry an aviator.

On the same day DHC, Berlin, was well received here, both direct and re-broadcast by KDKA for reception by Commander Byrd and his party.

PCJ has been, on the whole, up to his usual high standard. On Saturday, May 25, at 3 p.m., they tried to broadcast the singing of the birds at Hilversum, where their transmitter is situated. They stated that they were right in the country and had placed the microphone on the window-sill to try and pick up the "birdie." "The only 'birdies' I heard were one or two distant ones of the radio variety."

8XAI, the short-wave station of WLW, comes in much better now. They often carry on till after 5 p.m. Their wavelength is supposed to be 52.02 metres, but I make it about 49.4.

W6XN (KGO), with their "Spotlight Revue" and the "Trocaderans" dance music later, come in well till 7.30 p.m. on Wednesdays. Morning reception from this station varies, at times barely readable, while a morning or two ago they were up to R7 by 7.30 a.m.

A stranger on about PCJ's wavelength has been heard several times. One morning at 6.30 a.m. a clock struck 8, the striking was quicker and a higher note than Big Ben. A few foreign words were spoken, and then a band. The time locates the station as Central Europe.

A German station on about 40 metres, possibly DOR, has an announcer who includes a call in English besides two in a foreign tongue. The call could not be made out; he starts with "Hullo, this is shortwave station—Holland, Berlin, etc"; reports on reception are also asked for. I cannot understand Holland and Berlin being mentioned, as they are together, but this is also done in each call—English and foreign.

3ZC Christchurch has been testing quite a great deal just below 50 metres during the past few days. Volume both afternoon and evenings has been from R7-8, with slight fading. Modulation very good.

W2XAD is the best American short-wave station just now, being quite good speaker strength from midday till 3.30 p.m.

Additional Notes

DURING the last few weeks SW listeners have not had much to complain about as far as variety is concerned. On Saturday and Sunday afternoons DHC and KDKA (W8XK) are usually testing. DHC is very loud until 4.30 p.m., but weakens later. DHC's wavelength is 26.2 metres, and the power used is 50 K.W. Every Wednesday evening until 7.30, some good entertainment may be heard from W6XN on 23.35 metres. Signal strength is usually R9. W6XN nearly always signs off at 1½ minutes past 12 p.m., PST. From station PCJ, Holland, on May 18 and 25, Mr. Sellens was "called" by the announcer.

The American stations W2XAD and W2XAF come in at good volume in the afternoons. Thursday, May 30, I tuned in to the Java Station on 37.5 metres, relaying PH1, Holland. Strength was R9, and very steady, before the relay, but PH1 was spoilt by fading. I wonder if any SW listener could oblige me with the call of the Java Station?

From Canada to Antarctica

MR. LESLIE JONES reports interesting reception of KDKA and Little America. Station CJRX, Winnipeg, Canada, broadcast on Saturday afternoon (New Zealand time) a special programme for the Antarctic party. This was picked up by KDKA and rebroadcast by its experimental shortwave station, W8XK.

As is customary WFA (Little America) on 22 metres replied but the reply was not received in Wellington, clearly. The Eleanor Bolling (WPAT) spoke to the Antarctic party, saying that daylight reception in Dunedin was excellent both from W8XK and WFA.

Evidently Byrd was not being received too clearly in America, for KDKA requested him to try 32 metres. This change apparently was for the better.

KDKA reported reception from Winnipeg a little mushy and the latter later discontinued the broadcast for a few minutes.

The feat is another of the fine accomplishments of the two-way communication between Byrd and America. Situated 1025 miles from the rebroadcasting station W8XK, CJRX was picked up and rebroadcast one-third of the circumference of the earth with almost no losses in quality except latterly, when its transmission became mushy.

At 5.1 New Zealand time KDKA closed down, the announcer bidding everyone "Good morning."

PICTURE transmission is being carried

out almost nightly from 10 p.m., GMT, by the Nauen (Germany) wireless telegraphy and telephony station which, at that time, is in two-way communication with Buenos Aires. In the intervals, conversations may be heard from both transmitters, Nauen working on 26.22 metres and the Argentine transmitter on 29 metres.

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