

# Programmes Continued

## Sunday, July 29

### 1YA, AUCKLAND (333 METRES), SUNDAY, JULY 29.

3 p.m.: Afternoon session—Selected studio items.  
4.0: Literary selection by the Announcer.  
4.8: Selected studio items.  
4.30: Close down.  
6.0: Children's session, conducted by Uncle Leo.  
6.55: Relay of service from Church of Christ. Preacher, Mr. E. Aldridge; organist, Mr. Ivan Lambert.  
8.30: Relay of municipal organ recital from Town Hall. Organist, Mr. Maughan Barnett.  
9.30: God Save the King.

### 2YA, WELLINGTON (429 METRES), SUNDAY, JULY 29.

9 a.m.: All Blacks' football result.  
9.15: Close down.  
3 p.m.: Relay from St. Mark's Church of the service of thanksgiving and remembrance in memory of Elder Brother, Captain E. H. Dillon Bell. The address will be given by Rev. Ernest R. Weeks, and the following ministers will take part in the service:—Rev. H. E. K. Fry, vicar of St. Mark's Church, Rev. G. C. Blathwayt, and Rev. J. R. Blanchard. The ceremony of Light will form part of the service. The choir of St. Mark's Church will also take part in the service. Organist and choirmaster, Mr. Lawrence Watkins.  
4.30: Close down.  
6.9: Children's session—Sunday service, conducted by Uncle Ernest, assisted by St. Peter's choristers.  
6.55: Relay of evening service from St. Thomas's, Anglican Church, Newtown. Preacher, Rev. C. V. Rooke, M.A.; organist and choirmaster, Mr. Wenzel Collier, L.L.C.M.  
8.15 (approx.): Relay of band recital of Wellington Municipal Tramways Band from His Majesty's Theatre (conductor, Mr. T. Goodall). God Save the King.

### 3YA, CHRISTCHURCH (395 METRES), SUNDAY, JULY 29.

9 a.m.: Result of All Blacks' football match in South Africa.  
3 p.m.: Afternoon session—Selected studio items.  
4.30: Close down.  
5.30: Children's song service, conducted by Uncle David. Hymns will be sung by scholars from the Lutheran Sunday School.  
6.30: Relay of evening service from Lutheran Church, Worcester Street. Preacher, Rev. H. Bruhn.  
8.0: Selected items from 3YA studio.  
8.15: Rebroadcast by relay of municipal Tramways Band concert from His Majesty's Theatre, Wellington.  
God Save the King.

### 4YA, DUNEDIN (463 METRES), SUNDAY, JULY 29.

5.30 p.m.: Result of 'All Blacks' match in South Africa.  
5.31: Children's song service, conducted by Big Brother Bill.  
6.30: Relay of service from Knox Presbyterian Church. Preacher, Rev. Tulloch Yulley, B.D., M.A.; organist, Mr. W. Paget Gale.  
8.0: Studio concert.  
9.15: Close down.

#### FEATURES.—(Continued.)

Duncan, Miss Billie Lorraine, and Mr. Billy Gay. Piano-accordion and marimba solos and duets will be played by Messrs. Heaney and Dalziel, there will be novelty piano solos by Mr. T. V. Anson, and humorous items by Mr. Keith Stronach and Major F. H. Lampen. A humorous sketch will be given by Miss Billie Lorraine and Major Lampen.

AN hour's excellent concert will precede the dance session on Friday evening. Contributing will be Miss Dorothy Skinner (contralto) and Mr. Neil Black (bass). Instrumental pieces will be played by Mrs. Ernest Drake (piano), Mr. Charles E. Gibbons

(flute), and Mr. D. J. Robertson (cornet).

AGAIN a first-rate concert will be broadcast on Saturday evening. Miss Irene Hornblow (L.R.A.M.), Miss Agnes Guy, Mr. Arthur Lungey, and Mr. J. Ferguson will be singing. Educational numbers will be contributed by Miss Molly Gallagher, F.T.C.L., whose items will be "Making Reuben Propose," a scene from "The School for Scandal," and "How to ask and how to accept." As a violin solo, Mr. Harold Hiddle will play Van Bie's "Broken Melody" and Dr. Dila's "Serenade." Fello solos will be played by Mr. P. J. Palmer and piano solos by Mrs. R. Drake, while the three instrumentalists will be heard in trio pieces.

# Our Short Wave Corner

Mr. F. W. Sellens (Northland) writes:—

In the last number of the "Popular Wireless" (England), the following appears, which was first published in the "Radio Record" several months ago:—

"Keyholing Extraordinary."

"I note the report that a New Zealand listener had the luck to overhear 5W talking to 2XAD, the former on 24 metres and the latter on 21.9 metres. What made the matter unique was that when tuned to either wavelength he could hear both stations, because while one of them was listening to the other on the loudspeaker his own microphone faithfully reproduced the loudspeaker. Glutted as we are with marvels, I think we still have room for a slight thrill at this incident. Think of the whole process, from the moment the first sound was made by the vocal chords of the man at 2XAD till the reproduced voice reached the New Zealand man's ear, via 5W, occupying less time than the blinking of an eye!"

THE station reported at different times as "An Japanese" is just as much a mystery in South Africa as New Zealand, according to an American magazine. "South African listeners have been puzzled recently by a station heard calling 'Hello Japoni' around 32.82 metres. Letters to the "South African Wireless Weekly" suggest it is y be Peking, or the Belgian Congo. However, considerable strength of signal was reported at Cape Town. French conversation on radio matters was heard from this station."

On account of the great success of short-wave relays, most of the famous American broadcasting stations, including KDKA, WGY, WRNY, WLW, WAAM, and WHK are now broadcasting their programmes on short wavelengths as well as upon the ordinary wave-length.

The French are experimenting with short-wave wireless at the bottom of the sea, and tests were recently carried out on a submerged submarine in the Bay of Biscay, good strong signals being picked up by amateurs in England when the vessel was submerged.

For the benefit of the many residents in East Africa, a short-wave station is to be erected at Nairobi.

PULL, Kootwijk, Holland, transmits every Thursday from 1.30 a.m. till 2.30 a.m., New Zealand time.

The Malabar short-wave station, Dutch East Indies, is now broadcasting fairly regularly on Thursdays, Saturdays, and Sundays, from 12.30 a.m. till 3.30 a.m., New Zealand time, on a wave-length of 17.4 metres, with the call sign ANP.

Recent advice from JOAK states that they are testing on 30, 35, 60, and 70 metres.

"Write down —," etc., so often heard from 2XG are intelligibility or word tests in connection with the commercial Transatlantic telephony system run by the American Telephone and Telegram Company.

Within the past few days some trouble was experienced with the smooth oscillation of my set. This, after a little searching, was put right by removing some dust from the variable condenser with a pipe cleaner. It is a good plan to go over the set occasionally and remove all signs of dust; it makes a lot of difference to the results.

The Aurora Australis reported during the past week was probably partly responsible for poor reception recently.

5SW has not been heard for several days. This is confirmed by other listeners.

#### Saturday, July 7.

There was not any sign of either of the short-wave stations of WGY, which is unusual, either 2XAD or 2XAF having been heard every Saturday afternoon for some months.

KDKA were broadcasting the "Palmolive Hour," usually heard from WGY's studios.

A special programme for Monday was announced. They signed off at 2.30 p.m. Strength about R4.

From 3.30 p.m. till 6.37 p.m., PCJJ put on a special programme for Australia and New Zealand.

As usual many amateurs were called and thanked for reports. This was confined to Australia, New Zealanders not being mentioned this time. Strength was at the start about R3, and fairly evenly decrease to R3—2 at the conclusion. There was slight static and short fading.

RPM was about R5 during the evening, but static spoilt reception.

#### Sunday, July 8.

2XAF was heard, but something was wrong, as signals were weak and mushy all through, also very unsteady. This was the experience of others in Wellington.

2AC, Wairoa, was testing on 'phone just below 2XAF's wave-length and came in at good strength, at times up to R3.

Other amateurs heard were 2AU, Rangiora (R3); 1ED, Hamilton (R 5—6); and 4NW, Queensland (R 2—4).

#### Monday, July 9.

3LO was not heard until after 7 a.m., when to me they appeared a little lower on the dial than usual and very weak.

#### Tuesday, July 10.

The carrier only of 5SW was audible up till 7 a.m. At 7.10 p.m. a band was heard on about 90 metres. A call was given, but was not intelligible. They closed down about 7.15 p.m. Strength R 2—3.

#### Wednesday, July 11.

PCJJ was about R1 at 5.3 a.m., but from then till after 7 a.m. not a sound was heard. A friend who got them just after they started again heard some mention of apology, so probably they had a breakdown.

From 7.15 a.m. till 7.30 a.m. strength was quite weak, about R3—4. They closed with the Dutch National Anthem at 7.30 a.m.

The only stations heard during the evening were 2BI and 4YA on harmonics, which were more clear and stronger than usual.

#### Thursday, July 12.

At 10 p.m. an orchestral selection from RPM came through well at about R5, but a Morse station spoilt reception.

#### Friday, July 13.

PCJJ was very weak, about R2, at 6 a.m. and increased to R6—7 at 7.30 a.m.

Not any announcements were heard. They appeared to be relaying the programme, which consisted of some very fine vocal music, both solo and concerted numbers. Some jazz was heard toward 7.30 a.m.

RPM came in very well after 10 p.m. Plenty of talk, but some fine orchestral selections as well. R5, 2BI and 2AH, both of Wellington, were heard testing on the 80-metre band.

#### Another Interesting Letter.

THIS last week or so short-wave reception has been very good with me, all stations coming in with good strength. PCJJ, the Dutch station's Saturday afternoon transmissions are a treat to listen to. Their transmission of Saturday, July 7, I listened to right through, their programme consisting of gramophone items, calling Australia and New Zealand, and thanking different ones who have been good enough to send them a report on their transmissions. Mr. Sellens's name I have often heard mentioned. I am looking forward to their relay of the Olympic Games, and trust it will be well received here. I notice 2BI Sydney is also to relay this short-wave event.

On Sunday, July 1, after 2XAF closed down, the short-wave transmitter 2XAQ, of Bamberger and Company, Newark, New Jersey, was heard on approximately 65 metres. Mostly dance music was heard, the announcer stating they were relaying dance music from the Rip Van Winkle Hotel, New York. The volume was not to be compared with 2XAF, but modulation was perfect. This station closed down at 4.3 p.m., New Zealand time. I tried for this stranger again on Sunday, July 7, but the carrier wave was only audible.

The Cincinnati short-wave transmitter, WLW, came in with good strength yesterday afternoon (Sunday), from 3.35 p.m. till 4.30 p.m. Wuritzer organ items being well received, and the programme concluded with dance items from Cato's Vagabonds, at Swiss Gardens, the last item being "I'll Love You a Little Longer." The station announcer gave his time as 12.3 a.m. E.S.T.

We are all looking forward to the Heaney-Tunney championship contest, and by a letter I received a few days ago I think we will have three short-wave stations to choose from, namely, 2XAD, 2XAF, and KDKA, and the time of the big fight will depend on what time the preliminary bouts finish. No doubt first-class information will be

cabled to New Zealand from America in plenty of time.

Station 2XAD has not been heard by me for some time now, but no doubt he will be on the air the day of the fight. The last time I heard KDKA Pittsburg was on June 23, on his usual wave-length, 26 metres, being logged at 1.30 p.m., but his signal being very weak I did not trouble him much.

My experience of the English amateur Gerald Marcuse 2XMI transmissions is that he is always interfered with by a Morse station, and find it very difficult to hear anything. I was talking to a friend a few days ago, and he tells me this station is a Jap. beam station, and I think it is a beam transmitter, because it is impossible to read anything.

A few words of praise to the New Zealand amateur transmitters who are on 'phone sometimes with music and speech. I had the pleasure of visiting one of these amateurs a few nights ago, namely, 2BO, Mr. H. C. Dixon, Devon Street, Wellington, and it was most interesting to me to see what some amateurs work with—nothing flash, but they deliver the goods. 2BO is not a great distance from me, but his volume is equal to the strength sometimes of 2YA. The amateur deserves all the praise possible, because it is they who have pushed short-wave transmissions ahead.

I don't want to bring the old short-wave argument up again, but I may state I am one of those knobturners and have been very successful in logging DX short-wave stations, but apart from S.W. listening I am a frequent listener on the broadcast band, extending back to when KGO, Oakland, California, was in its experimental stages being the second in Wellington to hear this famous California station call sign, which at that time was 6XG. Wireless has advanced some since then. From time to time I send reports to the "Radio Record" regarding S.W. stations logged by me (and thank the editor for publishing them), but leave the S.W. corner to Mr. Sellens, the weekly correspondent, and must say his information is of great benefit to the S.W. listeners.—A. P. Morrison (Brooklyn).

P.S.—The 40-meter station RSR, Germany, I heard on three mornings of last week, but he is like RPM, Russia—it is mostly talk with him, although one morning I heard two items of music.

#### A NEW WET BATTERY

The invention, reported from Europe, of a new type of accumulator battery, differing in important respects from existing types of storage batteries, is likely to have an important influence on wireless reception, and to prove a serious rival to the new "all electric" wireless receivers which operate directly from domestic electric supply mains. The chief features of the new storage battery are that it is less bulky, and much lighter than lead, or iron and nickel type of batteries, and that its capacity, or the amount of current it will store up, on each charge, greatly exceeds that of ordinary storage batteries. Although electrically the lead accumulator and the iron and nickel accumulator have been made very efficient, the need for charging them at fairly frequent intervals, and the difficulty in handling them, due to their size and weight, have been undoubted disadvantages. It is claimed that one of the new accumulators, not so heavy as a standard form of lead battery, has a capacity nearly ten times greater than that of a lead battery. It follows from this that such a lead battery would run ten times as long as a lead battery for each charge, or alternatively, that a battery operating on the new principle made to have the same capacity as ordinary lead batteries, would be so small and light that it could be carried about in the pocket.

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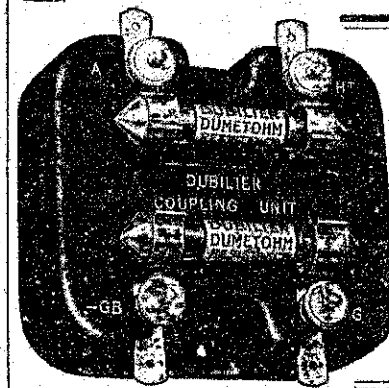
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