

Trouble-Finding Car for Wellington

Continued from Cover.

10. Is there any change in the tone or intensity of the disturbance when your main lighting switch is opened?.....
When the switch on your power service is opened?.....
11. Has anyone who understands radio sets and circuits examined your batteries and your set?
- If so, to what did he assign the trouble
- Please give his name and address
12. How many blocks are you from the nearest street car line?..
13. How long has your radio set been installed?.....
14. When did you first notice the disturbance referred to above?
15. Describe your radio apparatus
16. Any additional information connected with your complaint of radio interference

Suggested Radio Interference Report Sheet.

The following questions were also suggested:—

1. Name
2. Address
3. Type and make of set.....
4. Do you use aerial.....
loop
- If loop, have you attempted locating noise by loop bearing? If so, what do you blame?

13. Near what broadcasting station wave is most noise experienced?
14. Has the following list been made?
With antennae and ground leads disconnected, and these terminals shorted by a piece of wire, is any noise present, when receiver is operated in usual manner?
This test will definitely indicate whether outside interference is present, and the relative amount of the total interference experienced that may be charged to it.

Sources of Interference.

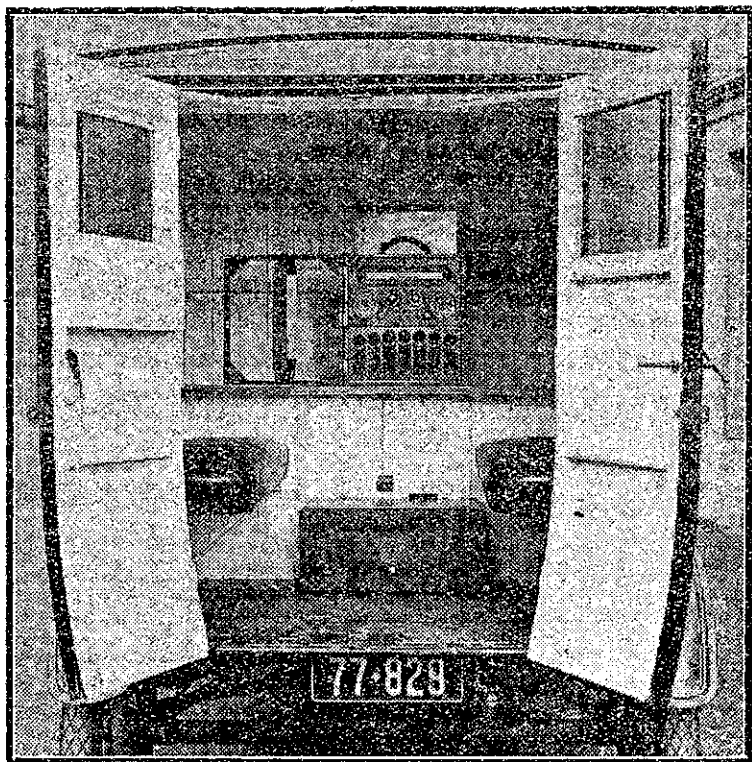
The Association's report also states:—A few of the sources of radio interference are given in the following tabulation. Some of these sources produce interference when the equipment is functioning normally, while in others interference results only when the apparatus becomes defective.

Power Circuits.

1. Lines.
2. Insulators.
3. Lightning arresters.
4. Transformers.
5. Generators and motors.
6. Induction voltage regulators.

Industrial Applications.

1. Arc light circuits.
2. Telephone and telegraph lines.
3. Pole changers and converters.
4. Street cars and electric railroads.



INTERIOR OF TROUBLE-FINDING CAR. —Wallace Photo.

5. Number stages radio amplification ordinarily used.....
6. Number stages audio amplification ordinarily used.....
7. When does interference occur?
Continuous
- Day only
- Night only
9. Does it synchronise with lighting of street lights?.....
10. Nature of noise, low frequency hum?....., similar to static?, roaring?....., hissing?.....
11. Can interference be tuned to maximum?
12. If so, broad?....., or sharp?
5. Motors.
6. Smoke and dust precipitators.
7. Sign flashers.
- Household Appliances.
1. Heating pads.
2. Violet ray machines.
3. Flat irons.
4. Door bells, light switches and motors.
- Miscellaneous.
1. X-ray machines.
2. Storage battery chargers..
3. Annunciator systems.
4. Stock tickers.
5. Ignition systems.
6. Electric elevators.
7. Electric furnaces.
8. Moving picture equipments.
9. High voltage testing equipment.

FEATURES CONTINUED

Mr. J. Birch, who appears at 3YA on Saturday evening for the first time, is in the first flight of elocutionists. The church to be broadcast on Sunday evening will be the Sydenham Baptist, where the Rev. J. K. Archer, Mayor of Christchurch, is the preacher.

4YA FEATURES

On Sunday next the International Bible Students' Association will direct a sacred concert and service from the studio. An address will be given by Mr. O. G. Canty.

At the conclusion of this service, a relay from His Majesty's Theatre will be presented, comprising items by the Kaikorai Band, under the conductorship of Mr. E. Franklin, and vocal items by assisting artists.

On Tuesday night the Kaikorai Band will be heard again in a very fine programme of popular music, amongst which will be Alford's popular march, "Great Little Army," the overture "Raymond," a selection of melodies from "Iolanthe," Ketelby's "In a Monastery Garden," Sullivan's "Lost Chord," and other items. Assisting on this programme will be Mr. E. C. Bond (bass), Miss Wyn McPeak (contralto), Mr. Chas. Edwards (tenor). A humorous sketch, entitled "The Stocking," will be presented by Miss Madge Yates and Mr. Eric Hebban, two brilliant elocutionists, who, in addition to the sketch will render recitals.

The programme for Thursday evening will, as usual, be characterised by bright and amusing items. Mr. Percy James will be heard in several humorous songs, including a number that is sure to be popular, entitled "Hurricane History" (by Cecil). Miss Billie Lorraine (light soprano), in her inimitable way, will render a group of the latest fox-trot songs. Miss Jacqueline Burke (light soprano) will sing three popular songs. Mr. Billy Gay will sing two popular adaptations from the gramophone, "Frankie and Johnnie" and "Abdul Abulbul Amir," both numbers arranged by Crummit. The Two Blue Ducks will be heard in two humorous sketches, and a humorous sketch with vocal duets will also be given by Miss Billie Lorraine and Mr. Percy James. Mr. J. McCaw will play saxophone solos, and Mr. T. V. Anson, Dunedin's leading jazz pianist, will contribute novelty piano solos.

An entertaining concert will be heard on Friday evening. Heading the programme will be Mr. Bert Rawlinson, singing a group of negro spirituals, "Swing Low, Sweet Chariot," "Go Down, Moses," and "Steal Away." Mrs. D. Carly, among other soprano items, will sing Eberhart's "At Dawning." Mr. Neil Black (bass) will be heard in "Young Tom O'Devon," "Rosebud," and "Bid Me to Love." Mrs. Carly and Mr. Rawlinson will render a vocal duet. Instrumental music, including piano solos by Mr. Gordon Findlay, and flute solos by Mr. Chas. E. Gibbons, will conclude the studio programme, at the conclusion of which dance music will be relayed from the Savoy.

Saturday's concert will be of a high standard. Miss Irene Hornblow, L.R.A.M., will sing several popular modern numbers. Mr. Tom Cooper, possessor of a beautiful bass voice, will render "The Mighty Deep," "The Miner," and "The Dawg." Miss Agnes Guy (soprano) and Mr. Arthur Langley (baritone) will also provide vocal items. Cello solos will be played by Mr. P. J. Palmer, violin solos by Miss Eva Judd, and piano solos by Miss Muriel Caddie. At intervals during the evening selections of orchestral music will be relayed from the Empire Theatre.

LECTURES FROM 4YA

On Tuesday afternoon at 4 p.m. Mr. G. J. Butcher, of Messrs. Turnbull and Jones, Ltd., will continue his series of domestic talks on the uses of electricity.

During the concert session on Tuesday evening, Pastor W. D. More will deliver a humorous address.

A representative of the D.I.C. will give a fashion talk at 3.15 p.m. on Friday afternoon.

Under the auspices of the Workers' Educational Association, Mr. H. Skinner, M.A., will speak on "The Maoris in Otago" at 7.30 p.m., on Saturday evening.

THE musical instruments used by one of the bands whose dance music is broadcast regularly by WJZ, New York, are valued at over £2000.

Exide BATTERIES

MEAN DEPENDABILITY.

Installed at 2YA Wellington.

All sizes. From 9/- each.

EXIDE SERVICE STATION

79 Kent Terrace, WELLINGTON.

Programmes Continued

(Continued from page 11.)

3YA CHRISTCHURCH (306 METRES)—SUNDAY, JUNE 3.

- 5.30: Children's song service, conducted by Uncle Sam, assisted by scholars from the Sydenham Baptist Sunday School.
- 6.30: Relay of evening service from the Sydenham Baptist Church. Preacher, Rev. J. K. Archer. Choir conductor, Mr. W. Bradshaw. Organist, Mrs. W. F. Standen.
- 8.0: Following the church service, there will be a programme of musical items from the studio.
- 8.15 (approx.): Rebroadcast of 2YA, Wellington (concert of Municipal Tramways Band from His Majesty's Theatre, Wellington).
- God Save the King.

4YA DUNEDIN (463 METRES)—SUNDAY, JUNE 3.

- 5.30 p.m.: Children's song service, conducted by Big Brother Bill, assisted by the Sunday School scholars of Dundas Street Methodist Church.
- 6.15: Relay of service from St. Paul's (Anglican) Cathedral. Preacher, Rev. Canon Nevill. Organist, Mr. E. Heywood, F.R.C.O.
- 8.0: Studio concert.
- 9.15: Close down.

Our Mail Bag

(Continued from Page 3.)

clear and steady, with a very slight fade, 1YA is clear and fairly steady, 3YA is not so good and fades, 4YA is very good, clear, and fades only slightly. I don't know how others find them, but these are the results of one week's checking of a carefully-kept log.

An Inquiry?

Browning Drake (Stratford): On last Thursday night I picked up a station just below 4QG; the time was about half-past 1, and I had it till just on 2 o'clock, and during that time there were no announcements in English; at least I heard none, but static was very bad, and I might have missed them. A lady sang a song, then a man sang. Both these were sung in a sort of monotone. Could you give me some idea who it was? The set that I was using at the time was a four-valve Browning Drake.

[See letter from G.C.H. Possibly you heard a Jap.—Ed.]

Japanese Stations Picked Up.

G.C.H. (Masterton).—Learning of the fact that several readers of the "Record" have picked up some of the new high-powered Japanese stations, I decided on Wednesday evening, the 16th, to "make a night of it" and try my luck in the same direction. I met with some success, logging three stations, and perhaps four, but am not sure of the fourth (unless it was JOCK). There was no mistaking three of the stations, as call letters were received in each instance.

12.3 a.m.: A station about 4 metres above 3LO. Sounded like a woman talking, but as 3LO interfering decided to tune in later when 3LO had closed down. However, I could not pick up the stranger later.

12.23 a.m.: Tuned in JOBK—dead on 400 metres, setting about 1½ points on the dial above 4QG. Man talking in Japanese till at 12.30 a.m. call letters were given twice and what sounded like, "Kamat, Komati." Then a man singing in Japanese to accompaniment of stringed instrument (no tune about either). This lasted till 12.45 a.m., when an announcement was given, followed by violin and piano music which continued until 1 a.m., when the station abruptly went off the air in the middle of the item. Came on again almost immediately, but heard nothing till 1.3 a.m., when call letters "JOBK" given slowly, and further speech in Japanese. This was followed by an item on a Japanese instrument which was a little more musical than the first. This item ended at 1.23½ a.m., when call letters were given and further speech in Japanese. Tuned out at 1.26 a.m.

1.27½ a.m.: Tuned in JOAK—dead on 345 metres, the setting being exactly one point on the dial below 2HL. Music and man singing. At 1.28½ a.m. speech in Japanese, then a remark made twice, followed by the call letters "JOAK" (at 1.29 a.m.), slowly and particularly clearly, the station then immediately going off the air.

1.32½ a.m.: Went back to JOBK, but this station also had closed down. 1.34 a.m.: Tuned in JOGK, the dial setting being exactly midway between 3LO and 4QG. This station I listened to until 2.20 a.m. At first volume was not up to the other two stations, but it improved later. First

speech in Japanese, then music (very little tune about it!) with man singing now and then. At 1.43 a.m. speech; at 1.45 a.m. a woman singing (not in Japanese); at 1.48 a.m. announcement, "JOGK" several times and further speech. Then woman singing again; at 1.52½ a.m., speech, the call letters being given several times (sometimes sounding more like "JOBK" than "JOGK") and "..... gramophone..... middle..... Send it to our station III," this latter remark being made five or six times in quick succession. At 1.53 a.m. music and man singing (Japanese); at 1.55½ a.m. announcement, "JOGK" twice, and further speech, then music; at 1.59 a.m. speech, the call letters being given several times, then music and man singing; at 2.3½ a.m. announcement, but was only able to get "Jo..... gramophone....."; at 2.6 a.m., music and woman singing "The Marseillaise." (I concluded at this stage that the items in European were gramophone records.) At 2.10 a.m., announcement partly in English and partly in Japanese, "..... very much appreciate..... Send in to our Station III" (this about five times in succession), followed by call letters—heard very clearly—which I took for "JOGK." Then further music (not Japanese); at 2.17 a.m. announcement, but could not make it out except, "Send in to our Station III," which I caught twice. Then music (not Japanese). Tuned out at 2.20 a.m., the station being still on the air. I worked these three stations on both the 'phones (not that this was necessary, though, as at times the volume was deafening) and on the speaker, the music being very clearly and easily audible on the latter. JOBK and JOAK were received with hardly any fading, reception being very clear and steady, but JOGK was fading a good deal. Static made it difficult to decipher much of the announcements apart from the call letters.

S-O-S

TRAVEL IN COMFORT BY CAR

WELLINGTON — PALMERSTON
NEW PLYMOUTH

Use Our Booking Offices in Advance.
51 Willis Street, WELLINGTON.

The Radio Depot

163 Manchester St., Christchurch.

E. G. SHIPLEY.

RADIO SPECIALIST.

Phone 4770.

BRITISH

RADIO GOODS

A bit better quality;
A bit cheaper;
In short "a job"!
You get them from:

HARTLE & GRAY,

CUSTOMS ST., AUCKLAND.

"A Word in Your Ear" To the Lady of the House

Persuade hubby to buy a CONSOLE model CROSLLEY, and have the unsightly batteries and wires out of the way. We have three beautiful Console "Crosley's" at exceptional prices.

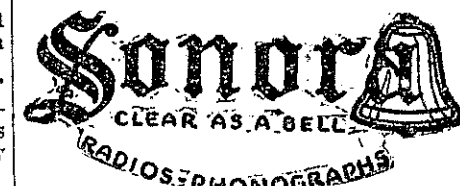
Any of these may be arranged for electrical operation, direct from your house lighting supply.

Arrange a demonstration with

L. M. SILVER
& Co. Ltd.

30-32 TORY STREET

WELLINGTON.



Call and hear the latest model SONORA. Unequalled for quality of tone. Buy a SONORA and you will really enjoy Radio!

Arrange for a demonstration TO-DAY

F.J. PINNY Ltd. 58 Willis Street, WELLINGTON.

WHAT'S RIGHT IN RADIO?

Consult

L. H. WRIGHT CO.

The right shop for Accessories and Expert Radio Service.
One and Two-stage Amplifiers (guaranteed), English Loud speakers, at £2.

153 Willis Street, Wellington.

'Phone 23—147.

(Opp. Y.M.C.A.)