

off at 10 p.m. N.Z. time, on June 18, after playing the National Anthem. Previously a band selection with cornet solo was heard. Also station just below 2NC, heard at 10.15 p.m., playing "Men of Harlech." Station was evidently broadcasting a sponsored programme, as mention was made of — Proprietary, Ltd. This was followed by two humorous solos by Tom Cook—"G. E. Boy" (Dunedin).

Stations Identified

"ELECTRON" (Oamaru): American near KGA is WLAC, Nashville, Tennessee.—N. Jenkins (Masterton).

"SIX-VALVE" (Christchurch): Station heard when 2NC signed off was 3BF, Ellwood. "D.McL." (Wellington): JOAK, Tokio, 345 m. (870 k.c.). "MAAH" (Morrinsville): WOAI, San Antonio, Texas, 252 m. (1190 k.c.). They always have a news session before they close down at 5 p.m. "Sahem" (Feilding): THO, Hobart, 337 m. (890 k.c.). "A. D. Henderson" (Hastings): JOFK, Hiroshima, 353 m. (850 k.c.). "Novice" (Dunedin): 4BC, Brisbane, 265 m. (1130 k.c.). "Oct. 8" (Havelock North): 3BO, Bendigo, on about 303 m. (965 k.c.). "Distance" (Wellington): JOAK, Tokio, 345 m. (870 k.c.). "E.F." (Blenheim): KTM, Los Angeles, 385 m. (780 k.c.); KPO, San Francisco, 441 m. (680 k.c.). "Electron" (Oamaru): Station between 3YA and 2UE is an Australian, the call of which I have not been able to get. Wavelength is about 303 m. (990 k.c.). KFBF, Great Falls, Montana, 234 m. (1280 k.c.). "Detector" (Auckland): 2ZD, Masterton, 254 m. (1180 k.c.).—R.J.R. (P.N.).

I.J.M. (Christchurch): Station on 390 m. was JOHK, Sendai, relaying JOAK. On Sunday evenings the Japs. play quite a lot of English and European music, either with their own orchestra, which is quite high-class, or with recordings. W.H.N. (Auckland): Your station was 4ZW, "the Theatre of the Air," on their midnight request session. D.McL. (Wellington): JOAK, Tokio, "Distance" (Wellington): Station you heard is Radio Bangkok, Siam, as described in last week's notes. "Novice" (Dunedin): 2UE, Radio House, Sydney. "M.A.A.H." (Morrinsville): WOAI, San Antonio, Texas. He is my best American and now can be heard at good speaker strength on an old 6-valve battery set in this poor locality at 3.45 p.m. and can be handled on the "local" switch when giving the news session, with which he closes down at 5 p.m. (our time). "Oct. 8" (Havelock North): Greetings from a Napier H.S.O.B. Your station is 3BO, Bendigo, which is coming in now at R7. This station has no cards as yet, but acknowledges letters over the air. Have been able to hear KFI testing on recent nights about 11 p.m. quite clearly on speaker without either earth or aerial. —W. J. Crabbe (Buller Gorge).

"GUS" (Hastings): KTM, The Pickwick Broadcasting Corp., Los Angeles.—"Proton" (Gisborne).

L.C.A. (Aramoho): Station 4BC, Brisbane. I heard the announcer counting up to ten recently. N. Jenkins (Masterton): 5WS, Adelaide.—"Murihiku" (Invercargill).

SIX-VALVE (Christchurch): Station on 1260 k.c. (238 m.) is 3WR, Wanganui, Victoria. "Live Wire" (Wanganui): Jap. on 595 k.c. (504 m.) re-

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Foreign Pronunciations

THE following is the alphabet with German and Spanish pronunciations. This should be of great aid in identifying stations. For example, if you hear, "a'ley a'ssey a'kess," you will know for certain it is LSX, Argentina.

GERMAN.

A ah.
B bay.
C say.
D day.
E ay.
F "f" as in English.
G gay.
H hay.
I ee.
J yot (short "o").
K kah.
L "l" as in English.
M "m" as in English.

N "n" as in English.
O "o" as in English.
P pay.
Q coo.
R airr (roll the "r").
S "s" as in English.
T tay.
U oo (as in "too").
V fow ("ow" as in "cow").
W vay.
X ix (as in "fix").
Y ip'see lon.
Z tsett.

SPANISH.

NOTE.—An apostrophe (') after a syllable means that it is accented. One before "h" means that "h" is guttural.—"NZ17W," (P.N.).

A ah.
B bay.
C thay.
D day.
E ay.
F a'fey.
G 'hay.
H ah'chey.
I ee.
J 'ho'tah.
K kah.
L a'ley.
M a'mey.
N a'ney.
O oh.
P pay.
Q coo.
R a'rey.

S a'ssey.
T tay.
U oo.
V vay.
(There is no "W").
X a'kess.
Y jay (or) ee
gree ay'ga.
Z thay'tah.

laying JOAK. "Oct. 8" (Havelock): 3BO, Bendigo, on 980 k.c. (306 m.). B.F. (Blenheim): KPO, San Francisco, on 680 k.c. (441 m.).—"Oscar" (Masterton).

DX Topics

Verification Notes.

THE following are notes taken from recently received verifications: Call letters of KMIC were changed to KMCS on January 16. KOL, Seattle writes: "This is the first letter we have received from New Zealand. Since your reception of our programme we have installed a new transmitter, power 1 k.w., with 100 per cent. modulation, and you should be able to receive us consistently with increased signal strength." They also asked for reports on their new transmitter. As verification of my report to KREG, the owner of that station, Mr. A. B. Van Campenolle, sent a newspaper clipping of an article on my report which appeared in the "Santa Ana Daily Register." Other verifications were received from KMCS, Inglewood, California; WKBF, Indianapolis; KVI, Tacoma; KIX, Oakland; and KGA, Spokane.—"Seven Kicker" (Okoroire Springs).

Who Heterodynes 3YA?

AMERICAN stations have been coming in very well lately. WTAM Cleveland, 1070 k.c. (280 m.) has been heard at 4.30 a.m. at R8 on speaker. Like "Six-Valve" (Christchurch), I receive 50L Adelaide at good volume and very seldom notice any heterodyne with 2YA—then only between 5 and 6.15 p.m. On June 14, after 2YA had closed down at 4.30 p.m., WGM Chicago was received at R7 on the speaker. This station may possibly be the culprit.—"Bill" (Hastings).

[Your log is quite a good one. Increasing the height of your aerial above 40 feet would not be of any distinct value. —Ed.]

4ZR Well Received.

A NEW station, 4ZR, Balclutha, has been heard operating on 1330 k.c. (225 m.). He comes in at excellent volume here. Verifications have been lately received for daylight reception of 2BL and 2FC.—W. Hampson (Blackball).

better than that from 4YA. Static was moderate, with no fading.—N. Arthur (Napier).

Recent Loggings.

LATEST loggings are from KEVD, Culver City; KOA, Denver, and KHJ, Los Angeles. WTAM is my best American, and comes in at R5 at about 4.30 p.m., while KTHS is R3.—"Oscar" (Marton).

Particulars of 4ZF.

VERIFICATION was recently received from station 4ZF, Dunedin, which is operated by Laidlaw and Gray, Ltd., 123 George Street, Dunedin. Power approximately 7½ watts. Frequency approx. 1080 k.c. (278 m.). No regular programme schedule as yet.—"Lohta" (P.N.).

Shortwaver on a Broadcast Set.

AT 11 p.m. on the 20th four new Japanese stations were heard. Their calls, noted as they closed down at about 12.30 a.m., were as follows: JOAK, 870 k.c. (344.6 m.); KOGK, 790 k.c. (379.5 m.); JOHK, 770 k.c. (389.4 m.); and JOAA, 580 k.c. (517 m.). All were at good loudspeaker strength. I receive quite a number of short-wavers on my six-valve a.c. broadcast set. They include 2ME, Sydney, often heard at about 6.30 p.m. calling up the Norah, a coastal steamer, and I can hear the Norah acknowledging the message. I can also hear a number of New Zealand "hams" on two-way conversation. Is this usual with a broadcast set? Below is given an excerpt from a verification received from station KOB, State College, New Mexico.—"2SG" (Takapau).

[Your receiver must be oscillating and probably its third harmonic is heterodyning with the carriers of the short-wave stations you receive, resulting in a beat frequency which is being detected and amplified by your set. Your receiver is well designed and soundly built throughout.—Ed.]

"Station KOB is owned and operated by the New Mexico State College of Agriculture and Mechanic Arts at Las Cruces, New Mexico, 40 miles north of El Paso, Texas. It is one of the oldest broadcasting stations in existence, having commenced regular telephone broadcasts with a five-watt experimental set in 1921. A regular broadcasting service has been maintained ever since. The present transmitter is a 20 k.w. set constructed in the shops of the college from our own design. The antenna system consists of a cage type of aerial and a counterpoise suspended on insulated pipe masts 140 feet high and 175 feet apart. Our frequency is 1180 k.c.

DX Notes.

JUNE 21 was an excellent night for reception here. Of the Americans (Concluded on page 29.)

4LW, Brisbane.

AT about 9.6 p.m. on the 23rd, experimental station VK4LW, Brisbane, on approx. 1500 k.c. (200 m.), was received at good strength. Address was given as 20 Elizabeth Street, Rosalie, Brisbane. "Live Wire" (Wanganui): I have also heard the new Jap on approximately 895 k.c. (335 m.).—"Sahem" (Feilding).

A New American?

LATEST verifications are from KHJ, KPO, KNX and 2FC, which was logged on May 23 at 4.45 p.m. Will this count for the DX competition? [Yes.—Ed.] W.H. (Blackball): I have heard the station whose call you take to be WXAR, and think the call is KX-AR. I heard him on June 21 at 5.10 p.m., until 3YA's carrier cut him out. I have the WBBM Call Book with 620 stations in it, but this station is not included.—"Proton" (Gisborne).

KFI Coming in Well.

ON the evening of June 16 station KFI, on 640 k.c. (469 m.), was heard testing at 10.30 p.m. Though this locality is extremely unfavourable for American reception, volume was much

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