

tion often, but strength is always about the same. Transmissions generally weakened after 7.30 a.m.—C.G. (Gisborne).

AMERICAN station, which heterodynes 7ZL, Hobart, heard testing from 7.30 p.m. to 8 p.m. on August 17. Also, what American is on exactly the same frequency as JOHK?—DX9A (Onehunga).

STRANGER on approx. 490 m. (612 kc.), dial reading 84 (3AR, 77; 7ZL, 89). Much foreign talk and only one orchestral number has been heard. He may be heard about 11 p.m. any night. Some time ago one DX-er suggested XOL, Tientsin, but the call book gives the latter's wavelength as 480 m. Also a station on approx. 350 m. (855 kc.), which can be heard when 2BL closes down. Weird music is played and I heard an announcer say in very bad English, "We are now broadcasting on a special programme of European music. The Band of the bodyguard of Prince — playing a march." This sounded like a tin-whistle medley. Time was 3 a.m.—K.M. (Dunedin).

STATION heard on about 860 kc (349 m.), under 2BL on August 18. Several numbers were heard at good strength between 7.15 and 7.40 p.m. On 870 kc. (345 m.), on August 23 another station was heard from 6 to 6.20 p.m. (between 1YA and 2BL). Mostly orchestral items and no announcements. Also a station heard broadcasting classical records at 11 to 11.40 p.m. on 1000 kc. (300 m.), on August 9. English announcer. Station was between 6ML and 3BO.—"Southlander" (Invercargill).

AT 6.15 p.m. on August 23, American station was heard on approx. 234 m. (1285 kc.). Static bad, fading noticeable. Items heard: (1) "Mother Machree," (2) at 6.18 p.m., "The End of a Perfect Day." Call sounded like KVOO or KVOA. A request item, "Pal of My Cradle Days," was also heard.—W.T.C. (Heathcote Valley).

STATION heard on 960 k.c. (312 m.) at 2.30 a.m. on August 25. A man with a deep voice was slowly counting from one to four, after which two orchestral numbers were played. Station closed down at 3.15 a.m., but could not catch call owing to static.—J.H.S. (Dunedin).

AMERICAN on dial reading 47 (4RK 45), heard at 5.25 p.m. on August 26 broadcasting a drama. One line was: "There goes one of your Fokkers out of control." R2, QRN very bad. Who heterodynes 2ZP, Wairoa.—"Audio" (Blenheim).

STATION operating on approximately 825 k.c. (363 m.), heard on August 4 between 1.30 a.m. and 2.45 a.m., when he closed down. Orchestral music and speech—which sounded Indian—was heard. VUB was operating on 840 kc. (357 m.), and VUC on 8.10 kc. (370 m.). Also foreigner, not JODK, operating on 6WF, Perth's, frequency after he had closed. This was a good night to receive XOL, Tientsin (on 585 k.c., 512 metres), as JOAK's twin station was not on the air.—R.A.S. (Mamaku).

Stations Identified

"NIGHT BIRD" (Dunedin): 3SH, Swan Hill. DX12HB: HSPI, Radio Bangkok, Siam. "Ground" (Wanganui): XEW, Mexico, and KMTR, Hollywood. "E.J.M." (Oamaru): KMPC, R. S. McMillan, Beverley Hills, Cal.; and JOLK, Fukuoka, Japan. J.H. (Wellington): JOIK, Sapporo, Japan. DX5HB (Napier): KMOX, St. Louis, Montana. "Static" (Nelson): KGM, Honolulu. "Digger" (Hamilton): JOLK, as above. J.P.C. (Palmerston North).

[Thanks for list of Japanese stations. Space considerations preclude its publication in this issue, but it will appear next week.—Ed.]

Some Additional Europeans.

The accompanying list may prove of interest to DX enthusiasts of the "early bird" variety.—D.T.H. Timaru:—

Czechoslovakia

Location	k.w.	Metres	k.es.
Praha	5.5	486	617
Brno	28	341	878
Bratislava ...	14	278	1076
Kosice	2.6	293	1022
Moravska Ostrava	11	263	1139

Germany

Location	k.w.	Metres	k.es.
Berlin	17	419	696
Frankfurt	17	390	770
Hamburg	17	372	806
Langenberg ...	17	472	635
Stuttgart	75	360	833

Other Europeans

Location	k.w.	Metres	k.es.
Vienna	20	516	581
Warszawa ...	185	1412	212
Paris, P.T.T.	8	447	671
Budapest ..	23	550	545
Stockholm ...	75	435	689

DX Topics

News of WLS.

FOLLOWING are particulars of station WLS, "The Voice of Agriculture," Chicago, taken from a recently-received verification: Frequency 370 kc. (344.5 m.), power 5 kilowatts. Address, Agriculture Broadcasting Company, 1230 West Washington Boulevard, Chicago. They also forwarded an Ekko stamp. Latest loggings are: XEW, Mexico, 926 kc. (325 m.); KECA, 1430 kc. (210 m.); and WKBF, Indiana, 1400 kc. (214 m.).—DXSHB (Napier).

2YA's Transmission.

I NOTICE in the "Radio Record" that the 2YA's faulty transmission has been laid at the door of WGN, Chicago, which operates on the same frequency. Surely there is some error in diagnosis here. WGN used central standard time, and usually closes down at 5.30 New Zealand standard time, which agrees with midnight in Illinois. Now, as far as reception of 2YA here is concerned, I find it to be quite OK during the day and late afternoon, and during the dinner music session, i.e., on recorded items. It is not until the studio numbers begin that the trouble is noticeable. On occasional nights now, however, a decided improvement in transmission has been noticed.—J.C.

DX-ing With the "Outspan Five."

THE following stations have been received on my "Outspan Five": 30 New Zealand, 24 Australian, 5 Japanese, 16 American, HSPI, Saigon, and XOL, China, as well as about half a dozen unidentified stations. How does this compare with other DX-ers using the same type of receiver? Following are brief details of my installation: Aerial is 90ft. long and 45ft. high, and the earth consists of a buried radiator, and six pipes rang-

ing from 6 to 12ft. in length, driven in 4ft. apart. The circuit of the receiver is identical with that published in the "Radio Record," but I have added a few gadgets of my own. The aerial consists of 30 turns tapped at 30, 25 and 20. A tone control consisting of a .002 mfd. condenser and a 0-10 megohm potentiometer has been fitted across the secondary of the second transformer. A pentode has been incorporated in the last audio stage. The second and third tuning condensers are ganged with a trimmer in the r.f. stage. One of the good points about the "Outspan" is its knife-edged selectivity. I find that two stations, providing they are not heterodyning, can be separately tuned in.—DX46A (Cambridge).

[We are pleased you are getting such good results with the "Outspan Five." One correspondent states that he has logged over 60 American stations with this set, but his locality is probably a little better than usual. We note with interest that you have succeeded in ganging the second and third tuning condensers. You evidently find it necessary to use a trimmer, however, so the number of controls is really not reduced, although tuning would be a little easier.—Ed.]

What About 4ZF?

DX24HB in a recent issue asks if any DXer in his locality has logged 4ZR or 4ZF. At 9 p.m. on the 20th inst. 4ZR was heard with good volume, but there is interference from certain of the Australian B stations, at least so far as I am concerned.—"Hydro" (Hawke's Bay).

XEW Coming in Well.

I RECENTLY logged 3SH, Swan Hill, on approx. 278m. (1080 k.c.); strength and tone were excellent. The operator announced that 3KU had been demolished, and the B class station 3SH had taken its place. He also said that on August 29, from 8 to 12 p.m., a grand dance programme would be broadcast by

the Shell Company, in aid of the hospitals. 3UZ, 3BO, 3WH, and 3SH would all broadcast this programme. A number of dances were being arranged, and all proceeds from them would go to charity. I recently logged and have written to XED and XEW (Mexico). The latter was on about 330m. (910 k.c.). I enjoyed the music for nearly an hour before he gave the call "XEW, the Voice of Latin America." XEW broadcast a number of old Mexican songs rendered by a tenor, accompanied by a piano and sometimes a guitar. An occasional item was given by a "senorita." I have noticed recently late in the evening a slight heterodyne whistle under 2FC. After 2FC had closed down on the 16th August, the stranger was found to be another Jap. I also logged a Chinese station on approx. 306m. (980 k.c.). It was very clear. Would it perhaps be XGAH, Shanghai?—DX24A (Taumarunui).

Recent Loggings.

DURING the past fortnight I have received verifications from KFI, Los Angeles, 640 k.c. (468m.); 3TR, Trafalgar, which operates on 1280 k.c. (234m.), power 50 watts aerial input; 2WL, Wollongong, 1435 k.c. (209m.), and 5KA, Adelaide, 1200 k.c. (250m.). Recent loggings are 2HD (Newcastle), 270m. (110 k.c.), and 2UW (Sydney), 1120 k.c. (267 m.). The Americans have been coming in very well lately, and my latest loggings are KMOX, Louis, 275m. (1090 k.c.), and KST, 205m. (1460 k.c.).—"Searcher" (Manana).

DX News.

BY this week's mail I received a verification from station XEX, Mexico City. No frequency is given, but it was



It has the **SECRET of SUCCESS** at its fingers' ends.

CLASP IT NOW, and take the I.C.S. "Lift" to the Top. DON'T SAY YOU NEVER HAD A CHANCE! The I.C.S. Illustration Method makes home study practical.

International Correspondence Schools (NEW ZEALAND) LIMITED
1827 Wakefield St., Wellington.

Sis.—Please send me free prospectus giving full particulars of all branches of the profession or occupation before which I have marked X (If your subject is not on this list, write it here).....

—Architect, —General Bookkeeper,
—Mech. Draughtsman, —Station Bookkeeper,
—Structural Eng'r, —Salesman (any branch),
—Concrete Contractor, —Show Card Writer,
—Building Contractor, —Advert. (any branch),
—Carpenter, —Com. Illustrator,
—Plan Drawer, —Journ. 'st (any branch),
—Shire Engineer, —General Education,
—Shire Overseer, —Language (G'phone),
—Motor Engineer, —Special Examinations,
—Motor Mechanic, —Accountant (Inst. Ex.),
—Electrical Engineer, —Matriculation,
—Elec. Mech. Exams., —Intermediate,
—Mechanical Engin'r, —Dental Prelim.,
—Mine Electrician, —Public Service,
—Aeroplane Engin'r, —Special Women's Dept.,
—Aeroplane Rigger, —Dressmaking,
—Textile Expert, —Millinery,
—Plumber, —Shorthand-Typing,
—Talkie Operator, —Bus. Correspondence
(There are over 4,200,000 I.C.S. Students, over 25,000 of these being in New Zealand).

ENQUIRIES COST NOTHING—POST NOW

Name.....

Age.....Occupation.....

Address.....

DUBILIER CONDENSERS for "KESTREL 3"

GIVE BETTER RESULTS!

.0001 Mica Condenser and Clips,
2/- each.
.0002 Mica Condenser and Clips,
2/- each.
.5mf. Mansbridge Condenser, 2/9
2 and 10 meg. Leaks, 1/6 each.
Radio Fey. Choke, 5/6.
.00015 Differential Condenser, 6/6

30 ohm Rheo., 3/-.
Ebonite Tube, 4in. x 2in., 1/-.
.0003 Var. Condenser, 9/6.
.0003 Var. Condenser, with 200-1
Vernier, 15/-.
400 ohm. Potentiometer, 5/-.
All Other Parts Stocked.

A. E. STRANGE

404 WORCESTER STREET, CHRISTCHURCH.