

KDYL, Salt Lake City, 232 m. (1290 k.c.), KFOX was at excellent strength with music from the Silver Slipper Cafe. An American on about 216 m. (1390 k.c.) was heard on most evenings, but cannot be identified. The suggestion of giving certificates to the best DX-ers according to location is certainly good.—A.D.R. (Wellington).

Wavering Carriers.

I NOTICE "Ray Dio" (Shannon) has been puzzled by the wavering of signals from certain American stations. I have noticed this and attribute it to heretodyne between stations nominally on the same frequency. KFOX is afflicted with a low-pitched hum which varies in intensity on different nights. This is not present in their early morning programmes, however. Sometimes during a fade music can be heard in the background, and twice I have caught the call WHEM, Minneapolis. Once the announcement of the next number was heard before KFOX came back again. They are both on the same frequency. Regarding WTIC, I believe this station synchronises with another and transmits the same programme on the same frequency.—"Ben Adhem" (Oamaru).

Special S.W. Broadcast.

IN a recent letter Mr. Amando Cespedes Marin, of station NRH, Heredia, Costa Rica, Central America, states that on March 29 he will transmit a special programme dedicated to myself. Time will be from approximately 4 p.m. until possibly 5.30 p.m., New Zealand standard time. The carrier should be heard a little before 4 p.m. Wavelength will probably be approximately 30.5 m. If any listeners succeed in picking up the transmission I would appreciate a report addressed to Box 6, Wellington, in order that a comprehensive report cover-

ing New Zealand reception may be compiled and forwarded to NRH. The following is an extract from his letter:—

"My son, nearly 12 years old now, has no time but for playing the piano at first sight. I had to buy one for him, and many times the world has reported the hearing of his entertaining. The latest record for N.R.H. has been from Zamboanga, Philippines. In accordance with the National Geographic map from Washington, U.S.A., New Zealand is 6500 miles S.W. of us; Adelaide 10,000 miles, and Philippines 11,000 miles. I always begin generally with 9 chimes and end with 10 o'clock chimes. The familiar American music which you all hear is not any anthem from U.S.A., but the regular noble anthem of my Costa Rica which the world has learned to know and sing as well." A photograph of the N.R.H. transmitter is enclosed.—L. W. Jones (Wellington).

The DX Competition.

THERE is one point concerning the DX Competition on which I would like to be enlightened. I have just started in earnest to write for verifications, and by July will not have time to have received my replies. Will the verifications I have in hand on July 1 count as well as those received in the next six months? Is the enclosed log a good one? —D.N.A. (Timaru).

[Any verification, provided that the station is still transmitting on the frequency indicated on the card, is accepted. Thus you might have a two years' old verification which can still be entered for each succeeding competition until the frequency is changed. Your present log compares very favourably with any we have seen.—Ed.]

Address of OKR.

"OSCAR" (Marion): I addressed my letter to Broadcasting Station,

OKR, Bratislava, Czechoslovakia. I posted it on November 1, 1930, and received a reply on January 29, 1931. I advise DX-ers to get a DX clock, and then work out the European time when the items are received.—W.L.P. (Pahiatua).

A Low-power Record-breaker.

UNDER date February 20, Mr. Amando Cespedes Marin, of short-wave station NRH, Costa Rica, sends the following copy of a letter received by NRH from an enthusiastic listener in Boston, Mass.—R. L. Jones (Wellington):

"Working with only 7½ watts power (less than a small electric light bulb), NRH, Heredia, Costa Rica, Central America, reaches out to Europe on the East, and Australia and New Zealand to the West. While the more powerful stations on account of atmospheric conditions fail to come through at all, this little fellow—just like a little boy wriggling his way through a small hole in a fence to see a ball game, while his bigger brothers must stay out—manages to wiggle through the ether, rain or shine. But, as marvellous as this little station is, the most fascinating part of it is its owner, Senor Amando Cespedes Marin, who, like the one-man band, is a one-man broadcaster; for he combines in himself the positions of operator, engineer, announcer, and correspondent.

"This highly-cultured Spaniard, with his quaint English, is the most interesting person on the air. Since NRH is a private (non-commercial) station without any advertising, his nightly little chats in Spanish and English between

the musical numbers are very entertaining. At every intermission one can hear him greet some of his multitude of friends and admirers in his cute English, thus: 'Hello, Mr. —, Boston, Mass.! How are you to-night? I received your letter and am sending you my diploma. How is reception to-night? etc., etc. It is this personal touch that makes him the most fascinating character on the air. But, last but not least, those who have the pleasure of corresponding with him discover from his letters that the human family is the same all over the world, in spite of differences of language, race, or nationality. And it is short-wave radio that will foster better relations and more friendly feelings all over the earth.—Jacob H. Borofsky, Boston, Mass."

Automobile Radio

THE appeal of radio sets installed in motor-cars, at first regarded as a somewhat fanciful venture, has exceeded expectations in America. Even the automotive manufacturers, who often have been declared the most optimistic merchants in the industrial world, did not foresee the popularity of such equipment. Last year it was regarded as an experiment. This year it has been requested by thousands. Now there are many companies who are installing radios as standard offerings in cars.

FERRANTI

THERE IS NO EQUIVALENT

IN RESPONSE TO THE CUSTOMERS' REQUEST THE DEALER SAID: "FIT A FERRANTI, OR THE EQUIVALENT." THAT, OF COURSE, IS WHERE THE DEALER SLIPPED. THERE IS NO EQUIVALENT. SOME TRANSFORMERS CLAIM TO BE GOOD BECAUSE THEY ARE BIG. CONVERSELY, SOME CLAIM TO BE GOOD BECAUSE THEY ARE SMALL. SOME CLAIM THAT A PARTICULAR KIND OF WIRE PUTS THEM ON TOP OF THE WORLD, BUT WHEN ALL IS SAID THE MAIN THING IS PERFORMANCE.

THE CURVE OF THE **FERRANTI** TRANSFORMERS, DRAWN ON THE MUSICAL SCALE, INDICATES ITS PERFORMANCE. THAT'S WHAT YOU WANT TO KNOW! ITS PERFORMANCE. FERRANTI MAKE NO FANCY CLAIM ABOUT SIZE, OR WIRE OR ANYTHING ELSE. THEY JUST MAKE A TRANSFORMER TO DO THE JOB, AND DO IT BETTER THAN ANY OTHER TRANSFORMER MADE. SO LONG AS IT DOES THAT, AND CONTINUES TO DO IT, YOU DON'T NEED TO WORRY ABOUT HOW IT IS MADE OR WHAT IT IS MADE OF. AND AS FERRANTI HAVE BEEN MAKING TRANSFORMERS FOR OVER 40 YEARS, THEY KNOW SOMETHING ABOUT IT.

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