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TEST GOLF

FOR the first time since 1934, when New Zealand defeated New South Wales in the Kirk-Windeyer Cup contests at Auckland, New Zealand and Australian golfers will take part in international matches at Heretaunga, Wellington, on Friday and Saturday of next week (October 31 and November 1).

The Australians (who are playing Otago provincial representatives at Bal-macewan this Saturday, October 25, and the South Island at Christchurch on October 28) are C. L. Winsor (captain and playing manager), R. S. Brown, W. A. Edgar, K. D. Pix, and A. H. Colledge. Pix is the present open and amateur champion of Western Australia, Brown is South Australian and Victorian champion, and both Edgar and Winsor are former title-holders, the latter having held the Australian amateur title in



B. M. SILK, who will captain the New Zealand side.

1921. New South Wales, however, is not represented on the team.

If, as in past matches of the kind, all five Australians take part in the international games the New Zealand representatives will be B. M. Silk (captain),
(continued on next page)

Better Radio for Bay of Plenty

LISTENERS in the Bay of Plenty district have always had to rely on the Auckland, Napier, and Wellington stations for their radio programmes. And as they have been screened from those transmissions by mountainous, heavily-wooded country, reception generally has not been satisfactory. But the NZBS hopes that by the end of 1948 the principal population centres of Tauranga, Rotorua and Whakatane, and the areas in between, will be listening to their own station. This is part of the NZBS expansion programme which was delayed by the war.

Because of the screening effect of the mountain ranges, increased power at Auckland, Napier and Wellington would not mean much improvement, hence the decision to provide an additional station for the area. After investigations as to the most suitable location for the transmitter, Paengaroa, near the famous Maori centre of Maketu, was chosen. It is near the sea coast and will give good transmission to Tauranga and Whakatane. And its central position will also provide the best transmission path to Rotorua.

Power of 10 Kilowatts

The new station will have a power of 10 kilowatts in view of the difficulties presented by the broken country. The decisions regarding the power and site for the transmitter were made after actual tests had been conducted in the neighbourhood with the Service's mobile test transmitter. This transmitter has a power of one kilowatt and the equipment is mounted on a special van, having with it an electric-power generating set, carried on a trailer.

For testing, a temporary aerial system was erected on the site and the transmitter connected to it. Measurements of the received signal strength in the various localities it is intended to serve were made on a special calibrated field-strength instrument which is transported by car. This was an exacting task, since it is not always easy to find suitable areas for making such measure-

ments, as the apparatus must be well clear of fences, hills, and overhead wires, to arrive at a correct reading of the field intensity.

The transmitter has been on order from Amalgamated Wireless, Australia, for some months, and delivery from the works is expected in the near future. It will have a 500ft. mast radiator of steel lattice construction, triangular in shape, supported on an insulator and held up by insulated guy cables. It has been designed and is being manufactured by Johns and Waygood, Ltd., of Melbourne.

Two Studios

To avoid using building materials required for essential works elsewhere, the NZBS has bought from the War Assets Realisation Board buildings formerly used in military camps. These will be taken to Paengaroa and re-erected to provide a transmitter building and the initial staff quarters. Rotorua and Tauranga are two large population centres and, as their cultural and entertainment needs cannot be supplied from one studio only, the plan is to have a studio at each place. The first to be built will be at Rotorua, where a suitable site has been chosen. And here again, the buildings have been obtained from the War Assets Realisation Board for temporary studios. When timber is more plentiful, permanent studio buildings will be constructed at Rotorua and Tauranga, with all the latest advances in style and technical efficiency.

Both of these studios will be connected with the transmitter by land-line, and already the Post and Telegraph Department has this part of the job well in hand. One transmitter will serve both studios, each of which will share the time on the air by arrangement. Although the Tauranga site has been bought, it will be some time before the studio can be built and put into operation. Delivery of the mast radiator for the transmitter may be delayed as the manufacturers are having great difficulty in getting the special angle-iron steel required.

The call-sign of the new station will be 1Y2Z.

NEW ZEALAND LISTENER, OCTOBER 24