



N.P.S. photograph

LAND LINES UNDER TEST

LAND lines linking NZBS stations in the four main centres and Invercargill are at present being tested and are expected to come into use before long. The lines will permit programmes originating in one centre to be broadcast from another without the fading and interference sometimes encountered with the old rebroadcasting method. An orchestral concert at Auckland, for instance, may now be "piped" to Invercargill and broadcast from there as satisfactorily as if the orchestra were performing in that city.

Our picture shows Broadcasting and Post and Telegraph Department officials in the control room of 2YA, Wellington, during a recent test demonstration. They are listening to a recording of Strauss's "Vienna Blood," sung by Erna Sack, being played over 2000 miles of line. Impulses from the pickup to the left of the technician were transmitted to Auckland, from Auckland to Invercargill, and

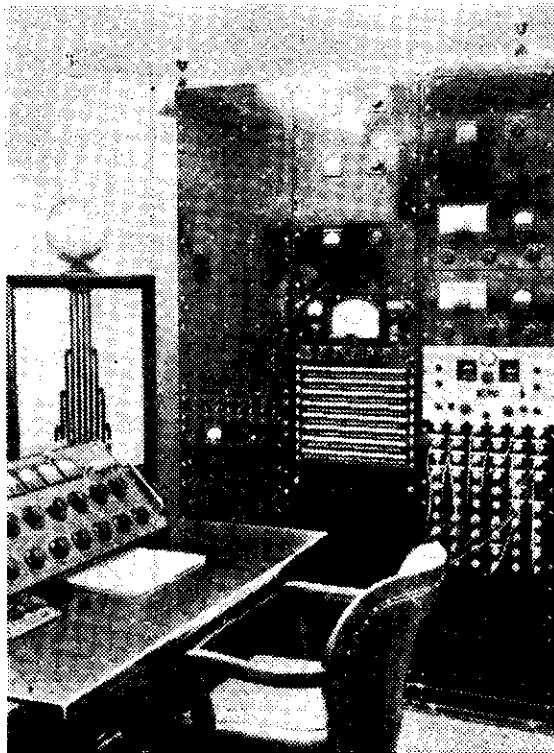
from Invercargill back again to Wellington. This is a longer circuit than would ever be used in practice, but reception was as clear as if the recording had been played direct to the audience.

Though the programme lines are part of existing P. and T. high-frequency toll circuits, there have been technical difficulties arising from the fact that musical programmes require a frequency range greater than that needed to transmit the human voice. These have been overcome by the installation of special equipment to combine two or more normal toll circuits.

Land programme lines are used by broadcasting networks in most countries. Their introduction in New Zealand has been delayed because of war and the consequent shortage of telegraph facilities. Later in the year Greymouth will be brought into the landline network, and later still Rotorua and Napier will be connected.

RELAY POINT

THE control room on the right, and another exactly like it, at the NZBS Receiving and Monitoring Station (Quartz Hill, Makara) are the relay points through which New Zealanders will hear the Coronation broadcasts from London. They will be relayed from the BBC via Tebrau, near Singapore, and supplemented by transmissions direct from the United Kingdom. The chair will be occupied by N. H. Ellison, with him will be three other technicians—C. R. Summers, G. A. Sleeknoe and R. W. Grave—and the Engineer-in-Chief of the Station, L. H. Martin, will direct the team. The technicians will check all the BBC's transmissions, select the four best and feed them to the studios of 2YA on The Terrace, Wellington.



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One Act Playwriting Competition 1953

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For the best One-act Play. Open Section. Entry Fee 10/-.
- (c) **DONALD TROPHY.**
For the best One-act Play written by a New Zealander whose age at the closing date is under nineteen years.

Judges (a) Mr. Haswell Paine, Hamilton.
(b) Mr. N. Byrne, Levin.
(c) Mr. A. Dunlop, Invercargill.

Entries must be in the hand of the National Secretary, Box 2260, Wellington by 31st July, 1953.

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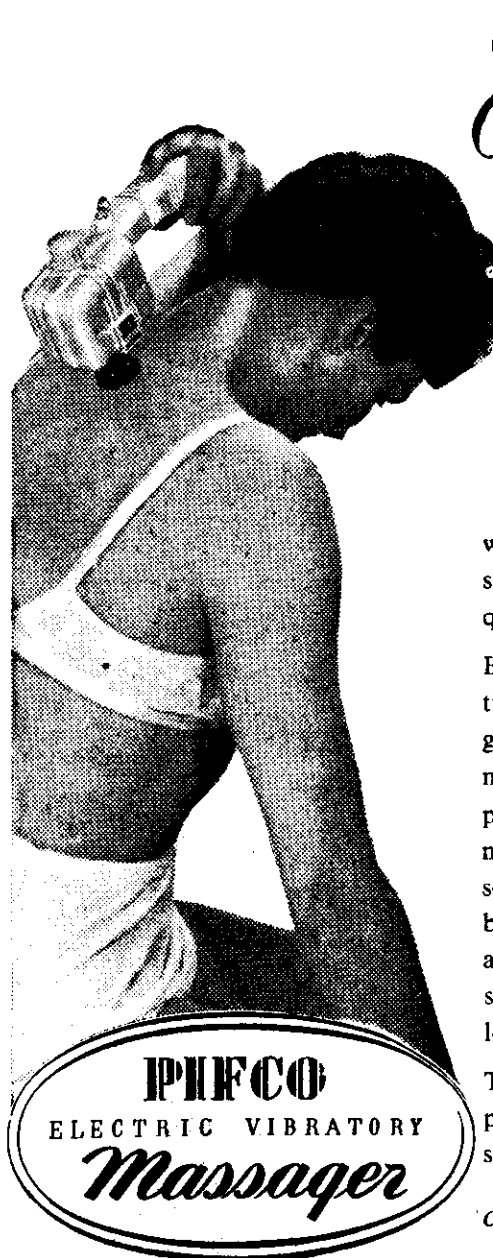
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