

Operational Details.—The following are the operational details of the stations:—

Station.	Studio Location.	Transmitter Aerial Energy.	Frequency.
		kW.	Kilocycles sec.
1YA ..	Auckland	10.00	650
1ZB* ..	"	1.00	1,070
1ZM ..	"	0.75	1,250
1YX ..	"	0.15	880
2ZJ† ..	Gisborne	0.25	980
2ZM‡ ..	"	0.09	1,180
2YH ..	Napier	5.00	750
2YB† ..	New Plymouth	0.10	810
2ZA* ..	Palmerston North	0.25	1,400
2YA ..	Wellington	60.00	570
2YC ..	"	5.00	840
2ZB* ..	"	1.00	1,130
2YD ..	"	0.50	990
2YN ..	Nelson	0.03	920
3ZR ..	Greymouth	0.10	940
3YA ..	Christchurch	10.00	720
3ZB* ..	"	1.00	1,430
3YL ..	"	0.30	1,200
4YA ..	Dunedin	10.00	790
4ZB* ..	"	1.00	1,310
4YO ..	"	0.15	1,140
4ZD† ..	"	0.06	1,110
4YZ ..	Invercargill	5.00	680

* Transmitting Commercial Division programmes. † Owned by the New Zealand Broadcasting Service and operated under contract. ‡ Privately-owned stations subsidized by the New Zealand Broadcasting Service.

Short-wave Transmitting Service.—A limited short-wave transmitting service has been in operation throughout the period under review, by arrangement with the New Zealand Post and Telegraph Department. This has consisted of a New Zealand News Bulletin of ten minutes' duration prepared specially for the Pacific, and commencing at 9.30 p.m. New Zealand time daily. It has been radiated by the New Zealand Post and Telegraph Department's short-wave station ZLT7 on a frequency of 6.715 megacycles per second (44.67 metres), with an aerial power of $2\frac{1}{2}$ kW.

This service will eventually be taken over by the short-wave transmitting-stations of the New Zealand Broadcasting Service. The two $7\frac{1}{2}$ kW. stations recently purchased for this purpose are at present being installed at Titahi Bay. Whilst good progress has been made on the installation of these transmitters it is expected that some months will elapse before the necessary directive aerial arrays will be completed.

Overseas Short-wave Receiving Service.—The short-wave receiving-station operated by the Service at Quartz Hill, Makara, has given very satisfactory service ever since it was first put into operation sixteen months ago. It was of particular use at the times of the cessation of hostilities in Italy, Europe, and in Japan. On these occasions commentaries and programmes were received from the principal countries throughout the world and retransmitted for the benefit of listeners in New Zealand.

In order further to improve the service obtained from this station it is intended, in the near future, to extend the aerial system by the provision of additional directive aerals. This will permit the "diversity" system of reception to be used to a larger extent than at present possible for reception from the principal countries overseas, thus reducing to a less noticeable amount the fading and distortion which is a characteristic of short-wave signals.