

The following is a complete list of seismograph stations operating in New Zealand and surrounding islands on 31st December, 1935 :—

Station.	Position.		Height above Mean Sea-level.	Instruments.	Observer.
	Latitude.	Longitude.			
	° /	° /	Ft.		
Apia ..	13 48 S.	171 47 W.	7	Wiechert, three components	Director, Apia Observatory.
East Cape ..	37 40 S.	178 35 E.	505	Milne-Jaggarr .. ..	Lighthouse - keeper, Marine Department.
Arapuni ..	38 5 S.	175 39 E.	212	Milne, E.-W. component ..	Mr. C. A. Thompson, Public Works Department.
Tuai ..	38 48 S.	177 9 E.	960	Milne-Jaggarr .. ..	Mr. W. H. Gregory, Public Works Department.
New Plymouth ..	39 4 S.	174 4 E.	112	(a) Wood-Anderson ..	(a) Superintendent, H.M. Prison.
Stratford ..	39 21 S.	174 17 E.	1,000	(b) Milne-Jaggarr .. ..	(b) Mr. C. E. Morshead.
Hastings ..	39 38 S.	176 53 E.	35	Milne-Jaggarr .. ..	Mr. A. W. Burrell.
Dannevirke* ..	40 12 S.	176 7 E.	720	Milne-Jaggarr .. ..	Mr. H. de Denne.
Bunnythorpe ..	40 17 S.	175 36 E.	197	Milne-Jaggarr .. ..	Dr. L. Bastings.
Takaka† ..	40 51 S.	172 48 E.	25	Imamura, three components	Mr. W. A. Waters.
					Mr. W. J. Smith, Post and Telegraph Department.
Wellington ..	41 17 S.	174 46 E.	401	Wood-Anderson, N.-S. ..	} Dominion Observatory.
				Galitzin-Wilip (vertical) ..	
				Milne-Shaw, two components	
Greymouth ..	42 25 S.	171 13 E.	14	Milne-Jaggarr .. ..	} Mr. R. T. Smith, Public Works Department.
				Milne-Jaggarr .. ..	
Glenmuick* ..	42 54 S.	173 9 E.	247	Inverted Pendulum ..	Mr. C. J. Westland.
Christchurch ..	43 32 S.	172 37 E.	25	Galitzin, three components ..	} Director, Magnetic Observa- tory.
				Wood-Anderson .. ..	
Chatham Islands	43 57 S.	176 31 W.	210	Milne .. ..	} Mr. A. E. Hayward, Post and Telegraph Department.
Monowai‡ ..	45 47 S.	167 37 E.	538	Milne-Jaggarr .. ..	
					Mr. W. H. Hutton.

\* Privately-owned stations.                      † Not recording during the latter part of the year owing to extensive alterations.                      ‡ Established in July, 1935.

Of the sixteen stations in the above list, twelve are under the direct control of this Observatory. The administration of these stations and the handling of their records involves a large amount of routine work. The amount of research work which can be carried out with the present staff is thus very limited.

The following list gives the number of earthquakes recorded at this Observatory and at subsidiary stations during the year 1935 :—

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
East Cape ..	0	0	0	0	0	0	0	0	0	0	0	1	1
Arapuni ..	4	3	3	3	3	3	5	3	12	5	3	15	62
Tuai ..	0	0	0	0	0	0	1	0	0	0	0	0	1
New Plymouth ..	5	7	14	9	9	3	15	8	9	13	9	7	108
Stratford ..	0	0	0	0	0	0	1	2	0	0	0	0	3
Hastings ..	5	3	1	0	5	1	8	2	0	0	3	1	29
Bunnythorpe ..	0	0	0	0	0	0	0	0	0	1	1	0	2
Takaka* ..	1	1	0	0	0	..	..	..	..	..	..	..	2
Wellington ..	31	22	44	49	60	38	51	45	48	40	54	52	534
Greymouth ..	0	0	0	0	0	0	0	0	0	0	0	0	0
Christchurch (Wood-Anderson)	6	2	10	12	4	2	6	5	12	2	10	8	79
Chatham Islands ..	2	1	0	0	0	0	0	4	3	3	0	3	16
Monowai† ..	..	..	..	..	..	..	0	0	0	0	1	0	1

\* Under extensive alterations from May to December.                      † Established in July.

Reference to the list of seismograph stations will show that the instruments are of widely varying sensitivity. Wellington is provided with a range of instruments capable of recording not only weak local shocks, but also all the main earthquakes occurring in other parts of the world. This fact accounts for the relatively large number of shocks recorded at Wellington. The figures for Christchurch are from the Wood-Anderson seismograph only, and therefore do not represent the total number of earthquakes recorded at that station.

*Non-instrumental Reporting-stations.*—Officers of the Post and Telegraph Department, officers of the Marine Department, and private observers have continued to furnish valuable reports of the effects of earthquakes as felt in various parts of New Zealand. There are at present 110 of these non-instrumental reporting-stations distributed throughout the Dominion.