

The next disturbed period was from the 11th to the 14th, and was caused by a somewhat similar depression to that responsible for the first. Again there were heavy rains with some hail and thunder in parts of Canterbury.

A series of westerly depressions between the 18th and 22nd, though at most places they did not produce much rain, were responsible for some rather unusual and unpleasant phenomena. On the 22nd a number of waterspouts moved in from the sea at Turakina, in the Rangitikei district. One of them was accompanied by very heavy hail. Other places also reported hail on that day. The depressions were followed by a sharp fall of temperature, and on the 23rd, as has already been mentioned, a frost occurred.

The weather again became unsettled after the 23rd. At first westerly depressions crossing the South Island caused heavy rain in the high levels, especially on the 25th, when there were thunderstorms on the west coast. Elsewhere there was comparatively little rain. At this stage a zone of low pressure lay across the central part of the Dominion, and in the following days it moved very slowly northwards. Though it was not very marked, it was responsible for widespread rains on the 28th and 29th. In the southern half of the North Island and also on the southern side of Cook Strait there were some very heavy falls, the greatest being in Taranaki. The disturbance was of a very unusual kind and due to the already mentioned outpouring in the upper levels of warm air from Australia. It was not till after the end of the month that the rain area finally passed off the northern extremity of the Dominion.

Snow fell on the ranges on several occasions during the month.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
January, 1934.

Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.				Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.			
			Mean Max. Temp.	Mean Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more.)				Mean Max. Temp.	Mean Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more.)
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.		
200	TE PAKI, TE HAPUA .. R. J. Harrison	63.6	70.8	56.3	80	7	24	NELSON .. O. B. Pemberton	61.6	70.6	52.5	74	9
225	WAIPOUA, DONNELLY'S .. CROSSING A. McKinnon, B.Sc.	62.5	70.5	54.5	148	11	57	APPLEBY, NELSON .. W. J. Biggar	61.8	70.9	52.8	72	9
110	RIVERHEAD .. J. Johnson	57.8	70.5	45.0	184	8	60	BLENHEIM .. P. J. Galliers	63.4	74.6	52.2	100	9
160	AUCKLAND .. S. M. Yallop	64.4	70.8	58.0	157	10	860	WAIHOPAI, BLENHEIM .. J. Stanwell	61.6	72.1	51.1	99	6
404	WAIHI .. M. F. Haszard	62.4	72.5	52.2	345	7	800	GOLDEN DOWNS, NELSON .. Forest Ranger	57.4	69.1	45.8	73	4
46	TE AROHA .. C. E. Christensen	64.6	75.1	54.2	192	10	1225	HANMER SPRINGS .. H. Roche	57.4	69.0	45.8	742	10
100	TAURANGA .. Miss K. L. Butcher	63.0	74.0	52.1	208	6	743	BALMORAL, CULVERDEN .. J. E. Fletcher	59.2	69.7	48.8	655	9
131	R U A K U R A F A R M, .. HAMILTON EAST G. K. McPherson	60.8	71.9	49.6	285	11	12	HOKITIKA .. J. A. Chesney	57.0	63.9	50.2	820	16
230	CAMBRIDGE .. H. McArthur	..	..	..	..	..	1200	LAKE COLERIDGE .. H. E. M. Hart	58.4	68.9	48.0	319	8
925	ROTORUA .. W. E. Penno	61.4	71.3	51.5	297	8	22	"RUDSTONE," METHVEN .. James Carr	56.7	65.5	47.9	836	16
1000	ROTORUA NURSERY, WHA- .. KAREWAREWA W. T. Morrison	61.4	73.9	49.0	265	8	36	CHRISTCHURCH .. H. F. Skey	59.4	67.2	51.5	344	15
60	NEW PLYMOUTH .. G. H. Dolby	60.0	66.6	53.4	614	18	2510	LINCOLN .. D. J. Sidey	59.4	68.7	50.2	380	11
3670	C H A T E A U TONGARIRO, .. NATIONAL PARK W. J. Stevens	49.4	58.3	40.4	750	19	323	THE HERMITAGE, MOUNT .. COOK C. Elms	52.8	61.6	44.0	2009	13
2125	KARIOI .. L. H. Bailey	54.2	64.9	43.5	270	15	2350	ASHBURTON .. H. P. Clayton	58.2	67.1	49.4	715	16
5	NAPIER .. T. R. Hutton	62.8	71.4	54.3	293	10	1000	LAKE TEKAPO .. Miss D. C. Trott	56.4	65.3	47.5	354	5
45	HASTINGS .. H. N. Fowler	61.6	74.3	48.8	199	9	56	FAIRLIE .. C. Searle	..	..	..	..	..
2157	TAIHAPE .. A. R. Fannin	56.0	64.5	47.5	240	13	200	TIMARU .. A. W. Anderson	59.2	67.6	50.7	722	16
8	TANGIMOANA .. G. W. Braddell	60.0	67.8	52.2	383	10	200	WAIMATE .. F. Akhurst	57.2	66.6	47.7	548	20
100	PALMERSTON NORTH .. E. J. Werry	60.8	68.7	52.8	270	11	1110	QUEENSTOWN .. F. W. Bailey	58.2	69.0	47.3	117	9
110	MASSEY AGR. COL., PAL- .. MERSTON NORTH Meteorological Observer	60.0	68.2	51.9	327	15	1000	OPHIR .. Rev. A. Don	58.5	71.3	45.7	130	6
384	PAHIATUA .. A. W. Hamilton	..	..	..	..	..	1550	SANATORIUM, WAIPIATA .. Dr. A. Kidd	55.5	66.3	44.7	189	9
44	KAPITI ISLAND .. R. J. Wilkinson	60.4	66.4	54.5	224	9	520	ALEXANDRA .. Geo. Smith	59.8	70.4	49.1	170	6
387	MASTERTON .. Miss R. Robinson	61.4	73.4	49.4	257	8	2448	MANORNBURN DAM .. S. Wragge	50.8	61.4	40.1	211	9
415	WELLINGTON ..	60.2	67.3	53.0	203	13	240	DUNEDIN .. D. Tannock	55.1	63.4	46.8	508	13
							245	GORE .. A. T. Newiman	..	..	..	..	..
							12	INVERCARGILL .. L. Lennie	54.6	63.6	45.7	389	18
								LATE RETURN. Fairlie, December, 1933.	*	*	*	*	*

* Incomplete.