

Depressions of the westerly type and of considerable depth passed on the 3rd, 7th, 9th, 15th, and the 19th to 21st, each bringing rain to the greater part of the Dominion, with many heavy falls. On the 3rd, north-westerly gales were experienced at many places, being particularly severe in Wellington and Canterbury.

On the 12th a moderate cyclone crossed the South Island, bringing heavy rain especially to the North Island. South-westerly gales followed on the 13th. Again, in the depression of the 21st, a slight low-pressure centre developed, this time crossing the North Island, where there were many very heavy rainfalls. Some flooding occurred, also, between Reefton and Greymouth. On both the 12th and the 21st sudden and very heavy downpours caused flooding in Auckland City.

The last depression also was cyclonic and crossed the South Island on the 27th. The most general rains experienced during the month were associated with this depression, particularly on the 27th. Rather severe floods occurred in Westland. As the storm passed eastwards, southerly gales and cold weather prevailed between the 28th and the 30th. On the 28th there were severe hailstorms in the Nelson district and a small tornado occurred at Riwaka.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM CHIEF STATIONS.

January, 1931.

Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).	Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.	Deg.						Deg.	Deg.	Points.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.		Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.			
225	WAIPOUA, DONNELLY'S CROSSING D. Grant	63·5	72·5	54·6	557	14	34	NELSON O. B. Pemberton	60·7	70·1	51·4	277	14		
65	RIVERHEAD .. W. J. McKibbin	63·4	73·0	53·9	530	19	..	WAIHOPAI, BLENHEIM .. J. Stanwell	61·9	72·1	51·8	264	13		
152	AUCKLAND .. H. M. Vincent	..	..	..	..	..	..	GOLDEN DOWNS, NELSON Forest Ranger	57·2	67·4	47·1	549	19		
340	WAIHI .. M. F. Haszard	64·6	73·9	55·4	434	14	1220	HANMER SPRINGS .. H. Roche	57·9	69·3	46·6	530	18		
46	TE AROHA .. C. E. Christensen	65·7	77·0	54·5	576	11	743	BALMORAL, CULVERDEN .. W. Staveley	60·2	71·1	49·3	222	15		
100	TAURANGA .. Miss K. Butcher	..	75·6	*	473	8	12	HOKITIKA .. J. A. Chesney	56·0	61·8	50·2	1631	22		
131	RUAKURA FARM, HAMILTON EAST G. K. McPherson	62·7	73·8	51·6	417	12	1220	LAKE COLERIDGE .. H. E. M. Hart	59·1	69·1	49·1	499	17		
..	CAMBRIDGE .. H. McArthur	63·4	74·4	52·5	477	12	1200	"RUDSTONE," METHVEN James Carr	56·7	66·7	46·7	331	13		
925	ROTORUA .. G. R. Ewing	62·8	73·0	52·7	472	8	25	CHRISTCHURCH .. H. F. Skey	60·6	71·2	50·0	99	11		
1000	ROTORUA NURSEY, WHAKAREWAREWA W. T. Morrison	62·9	75·4	50·5	465	12	42	LINCOLN .. M. C. Franklin	60·8	71·8	49·8	118	7		
60	NEW PLYMOUTH .. G. H. Dolby	61·1	67·1	55·3	564	17	2510	THE HERMITAGE, MOUNT COOK G. G. Woolley	49·9	59·5	40·3	3596	..		
3670	CHATEAU TONGARIRO, NATIONAL PARK A. T. Salmon	..	..	..	..	..	323	ASHBURTON .. H. P. Clayton	60·0	71·1	49·0	136	10		
2125	KARIOI .. S. Trask	55·5	65·4	45·6	679	18	2350	LAKE TEKAPO .. Miss D. C. Trott	54·5	64·1	45·0	366	12		
5	NAPIER .. R. Thomas	68·2	77·5	58·9	108	6	1000	FAIRLIE .. D. Jeune	60·4	76·1	44·8	337	8		
45	HASTINGS .. H. N. Fowler	66·6	80·0	53·3	84	7	56	TIMARU .. Caretaker of Domain	59·7	69·8	49·6	178	11		
2080	TAIHAPÉ .. A. R. Fannin	57·1	65·4	48·8	449	19	200	WAIMATE .. F. Akhurst	58·9	69·6	48·2	239	16		
8	TANGIMOANA .. G. W. Braddell	61·5	68·5	54·6	380	17	1110	QUEENSTOWN .. H. O. Barker	54·7	63·3	46·1	797	20		
100	PALMERSTON NORTH .. E. J. Werry	61·7	69·5	53·8	622	18	1000	OPHIR .. Rev. A. Don	57·6	68·0	47·2	310	14		
..	MASSEY AGRIC. COL., PALMERSTON NORTH L. Whelan	60·7	67·7	53·8	561	17	1550	SANATORIUM, WAIPIATA Dr. A. Kidd	55·1	65·7	44·6	370	20		
384	MANGAMUTU, PAHIATUA .. A. W. Hamilton	61·5	70·6	52·5	747	17	520	ALEXANDRA .. Geo. Smith	58·5	68·1	49·0	298	14		
44	KAPITI ISLAND .. A. S. Wilkinson	60·6	64·7	56·5	464	15	..	MANORNBURN DAM .. ..	49·5	59·2	39·8	391	16		
377	MASTERTON .. Miss R. Robinson	62·6	73·5	51·7	187	13	300	DUNEDIN .. D. Tannock	56·6	65·2	48·0	571	21		
415	WELLINGTON .. ..	59·0	64·2	53·8	384	13	245	GOBE .. A. T. Newman	..	..	..	..	..		
							12	INVERCARGILL .. L. Lennie	55·2	63·0	47·5	504	21		

\* Unreliable.