

On the 15th a dying cyclone crossed the Auckland Peninsula, causing thunderstorms and heavy rain, though southern districts were unaffected. Otherwise anticyclonic conditions and fair weather were the rule until the 19th. Thereafter a further series of westerly depressions was responsible for a period of very stormy weather. On the 22nd northerly gales were widespread and heavy rain was almost general. A cyclonic centre developed west of Greymouth, and exceptionally heavy rain occurred as it moved eastward; 12.50 in. fell at Greymouth in about twelve hours, constituting the heaviest fall ever recorded there. Arthur's Pass had 11.32 in. During the 23rd and 24th the winds backed again to cold, strong southerlies. Hail and thunderstorms were reported from many places on the 23rd, and on the 24th there was a heavy snowfall on the ranges of the South Island.

From the 25th onward the weather improved under the influence of another intense anticyclone.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
February, 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.						Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.		Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	
225	WAIPOUA, DONNELLY'S CROSSING D. Grant	59.8	70.1	49.6	221	10	34	NELSON .. O. B. Pemberton	60.1	69.5	50.8	227	5
65	RIVERHEAD .. W. J. McKibbin	59.6	71.2	48.0	267	10	..	WAIHOPAI, BLENHEIM .. J. Starwell	58.3	69.3	47.4	244	5
152	AUCKLAND .. S. M. Yallop	63.0	70.6	55.4	161	9	..	GOLDEN DOWNS, NELSON Forest Ranger	56.5	69.4	43.7	263	3
340	WAIHI .. M. F. Hazard	60.0	71.5	48.5	238	8	1220	HANMER SPRINGS .. H. Roche	55.4	67.7	43.2	356	8
46	TE AROHA .. C. E. Christensen	62.0	76.1	48.0	172	7	743	BALMORAL, CULVERDEN .. W. Staveley	57.9	69.4	46.5	171	5
100	TAURANGA .. Miss K. Butcher	..	72.1	*	179	7	12	HOKITIKA .. J. A. Chesney	56.8	63.3	50.3	693	11
131	RUAKURA FARM, HAMILTON EAST G. K. McPherson	59.4	73.1	45.7	210	7	1220	LAKE COLERIDGE .. H. E. M. Hart	57.1	67.2	47.1	315	8
..	CAMBRIDGE .. H. McArthur	60.0	73.2	46.9	174	6	1200	"RUDSTONE," METHVEN James Carr	55.5	65.5	45.6	505	10
925	ROTORUA .. G. R. Ewing	59.9	71.4	48.5	179	4	25	CHRISTCHURCH .. H. F. Skey	58.2	67.4	49.0	202	8
1000	ROTORUA NURSERY, WHAKAREWAREWA W. T. Morrison	59.5	73.9	45.1	153	6	42	LINCOLN .. M. C. Franklin	58.5	68.4	48.6	276	7
60	NEW PLYMOUTH .. G. H. Dolby	59.3	67.8	50.8	208	11	2510	THE HERMITAGE, MOUNT COOK G. G. Woolley	51.7	61.8	41.7	3569	9
3670	CHATEAU TONGARIRO, NATIONAL PARK A. T. Salmon	..	..	..	..	..	323	ASHBURTON .. H. P. Clayton	57.5	68.2	46.4	388	9
2125	KARIOI .. S. Trask	60.5	62.4	38.6	359	10	2350	LAKE TEKAPO .. Miss D. C. Trott	53.7	63.6	43.9	339	8
5	NAPIER .. R. Thomas	..	..	..	..	..	1000	FAIRLIE .. D. Jeune	55.5	68.8	42.3	226	8
45	HASTINGS .. H. N. Fowler	60.3	73.2	47.4	34	4	56	TIMARU .. Caretaker of Domain	57.7	67.0	48.5	225	7
2080	TAHAEPE .. A. R. Fannin	53.7	62.5	45.0	243	7	200	WAIMATE .. F. Akhurst	57.4	67.2	47.6	195	9
8	TANGIMOANA .. G. W. Braddell	57.4	66.7	48.1	154	6	1110	QUEENSTOWN .. H. O. Barker	56.7	66.7	46.7	312	9
100	PALMERSTON NORTH .. E. J. Werry	58.5	67.8	49.2	151	10	1000	OPHIR .. Rev. A. Don	56.9	68.4	45.4	220	8
..	MASSEY AGRIC. COL., PALMERSTON NORTH L. Whelan	57.3	66.0	48.6	146	9	1550	SANATORIUM, WAIPATA Dr. A. Kidd	54.8	65.1	44.6	354	12
384	MANGAMUTU, PAHIATUA .. A. W. Hamilton	57.7	68.8	46.7	250	10	520	ALEXANDRA .. Geo. Smith	58.3	68.6	48.0	174	7
44	KAPITI ISLAND .. A. S. Wilkinson	57.7	64.6	50.9	123	6	..	MANORBURN DAM	50.1	59.6	40.6	325	11
377	MASTERTON .. Miss R. Robinson	58.5	70.5	46.6	125	7	300	DUNEDIN .. D. Tannock	56.3	64.3	48.4	492	14
415	WELLINGTON	57.0	63.2	50.8	163	7	245	GORE .. A. T. Newman	..	..	..	..	..
							12	INVERCARGILL .. L. Lennie	55.9	64.8	47.1	524	16

* Unreliable.