

On the 18th an anticyclone which had passed over New Zealand became very intense to the east, the barometer at Chatham Island reading 30.58 in. at 9 a.m. At the same time an equally intense anticyclone had formed over eastern Australia, Hobart reporting a pressure of 30.63 in. Between the two was a trough of relatively low pressure. Though this was only shallow, the conditions favoured its remaining stationary and deepening in its northern portion. This is what actually happened. A centre of low pressure formed westward of Cape Maria van Diemen and gradually deepened. North-easterly gales arose in the far North and prevailed in some parts of the North Island until the 20th. Very heavy rains fell in the North, and by the 20th the area of precipitation had covered practically the whole of the Dominion. Thereafter the storm gradually died out.

On the 27th a much deeper trough of low pressure than had been experienced for a considerable time began to approach the Dominion from the Tasman Sea. On that day strong northerly winds blew, and western districts of the South Island had heavy rain. On the 28th the depression crossed the country and a southerly change advanced over the South Island. At this time pressure had become very high at Hobart so that the invasion of cold air from the south was a very vigorous one. Snow commenced in the South that day, and hailstorms, also, were numerous. These conditions of southerly gales and intermittent heavy rains with widespread snow and hailstorms continued into July. Thunderstorms also occurred in many places. For a week on end pressure remained very low to the south and east of New Zealand and high over Tasmania.

On the 25th a small tornado occurred near Opotiki.

EDWARD KIDSON, Director.

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

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.	
200	TE PAKI, TE HAPUA .. R. J. Harrison	53.6	60.8	46.3	1029	19	24	NELSON .. O. B. Pemberton	47.9	54.9	40.9	552	15
225	WAIPOUA, DONNELLY'S CROSSING A. D. McKinnon, B.Sc.	53.1	59.9	46.3	1007	25	57	APPLEBY, NELSON .. W. J. Biggar	47.2	53.9	40.4	707	16
110	RIVERHEAD .. J. Johnson	50.2	59.6	40.8	701	17	60	BLENHEIM .. P. J. Galliers	45.6	53.5	37.8	384	15
160	AUCKLAND .. S. M. Yallop	53.0	57.9	48.2	648	19	860	WAIHOPAI, BLENHEIM .. J. Stanwell	43.3	50.6	36.0	671	15
404	WAIHI .. M. F. Haszard	49.3	57.6	41.0	1895	13	800	GOLDEN DOWNS, NELSON Forest Ranger	43.1	51.7	34.5	1001	13
46	TE AROHA .. C. E. Christensen	49.8	58.4	41.3	861	16	1225	HANMER SPRINGS .. H. Roche	39.4	47.9	30.8	258	15
100	TAURANGA .. Miss K. L. Butcher	50.2	58.9	41.6	745	16	743	BALMORAL, CULVERDEN .. J. E. Fletcher	41.1	49.3	32.8	127	11
131	R U A K U R A F A R M, HAMILTON EAST G. K. McPherson	47.4	57.8	37.1	718	16	12	HOKITIKA .. J. A. Chesney	46.2	53.4	39.0	810	15
230	CAMBRIDGE .. W. A. Wilkinson	..	..	..	..	..	1220	LAKE COLERIDGE .. H. E. M. Hart	41.0	48.8	33.2	273	13
925	ROTORUA .. W. E. Penno	46.8	54.7	39.0	894	14	1200	"RUDSTONE," MERTHVEN James Carr	42.6	48.2	37.1	288	15
1000	ROTORUA NURSERY, WHA-KAREWAREWA W. T. Morrison	46.3	55.4	37.2	832	13	22	CHRISTCHURCH .. H. F. Skey	43.2	49.9	36.5	134	14
60	NEW PLYMOUTH G. H. Dolby	51.3	57.4	45.2	700	15	36	LINCOLN .. D. J. Sidey	43.5	50.4	36.6	240	14
3670	CHATEAU TONGARIRO, NATIONAL PARK W. J. Stevens	..	..	..	..	..	2510	THE HERMITAGE, MOUNT COOK C. Elms	36.3	44.0	28.6	1228	12
2125	KARIOI .. L. H. Bailey	40.2	50.6	29.8	308	12	323	ASHBURTON .. H. P. Clayton	42.0	49.6	34.5	264	15
5	NAPIER .. T. R. Hutton	47.2	54.2	40.2	287	14	2350	LAKE TEKAPO .. Miss D. C. Trott	37.0	43.6	30.3	189	10
45	HASTINGS .. H. N. Fowler	45.8	55.2	36.3	230	13	1000	FAIRLIE .. C. Searle	39.2	49.4	29.0	191	11
2157	TAIHAPE .. A. R. Fannin	43.6	49.3	38.0	267	14	56	TIMARU .. A. W. Anderson	42.9	49.9	35.9	228	9
8	TANGIMOANA .. G. W. Braddell	46.9	55.4	38.4	310	13	200	WAIMATE .. F. Akhurst	42.7	51.4	34.0	147	13
100	PALMERSTON NORTH E. J. Werry	48.6	56.2	40.9	298	16	1110	QUEENSTOWN .. F. W. Bailey	40.1	46.4	33.8	122	9
110	MASSEY AGRIC. COL., PALMERSTON NORTH Meteorological Observer	47.9	55.0	40.8	354	12	1000	OPHIR .. Rev. A. Don	36.8	44.6	28.9	69	10
384	PAHIATUA .. A. W. Hamilton	45.3	53.5	37.1	399	14	1550	SANATORIUM, WAIPIATA .. Dr. A. Kidd	37.5	45.5	29.5	131	18
44	KAPITI ISLAND R. J. Wilkinson	49.6	53.9	45.4	311	15	520	ALEXANDRA Geo. Smith	38.2	45.4	31.0	71	8
387	MASTERTON .. Miss R. Robinson	45.7	53.0	38.4	289	19	2448	MANORBURN DAM S. Wragge	33.4	40.3	26.5	87	13
415	WELLINGTON ..	47.2	51.7	42.6	481	20	240	DUNEDIN .. D. Tannock	43.5	48.9	38.1	194	14
							245	GORE .. A. T. Newman	..	..	..	..	..
							12	INVERCARGILL .. L. Lennie	43.0	49.2	36.8	246	19