

The 7th was a fine day while an anticyclone was passing to the north of New Zealand. Pressure, however, fell again next day, and by night-time an intense westerly depression had advanced on to the Dominion with a rapidity almost equal to that of the cyclone which had recently preceded it. The boisterous north-westerly wind associated with the front of this disturbance on the 8th caused a considerable amount of damage in the Canterbury district, blowing down fences, trees, and telegraph wires. Heavy rain fell in districts with a westerly aspect, and during the night of the 8th a violent thunderstorm occurred at Reefton. Electric-wires were fused and the town was left in darkness, while windows were cracked, the telephone system was put out of action, and several residents received minor shocks. By the morning of the 9th the depression had moved to the east of the Dominion, but a slight secondary centre had developed west of Cape Maria van Diemen. The latter brought some heavy rain to the Auckland, Bay of Plenty, and Gisborne districts, Marumoko recording as much as 497 points for the twenty-four hours up to 9 a.m. on the 10th. A tornado passed in the vicinity of the Stratford Mountain House during the night of the 9th, but its damaging effect was confined to a plantation of trees. On the night of the 10th the secondary centre crossed the Auckland Peninsula, and the wind, which on the 9th had become southerly in the south of Cook Strait, blew strongly everywhere from that quarter, with extremely cold temperatures.

During the night of the 15th a cyclone developed off the Canterbury coast, and this district received a drenching south-westerly rain which continued until the afternoon of the following day. There was some minor flooding in the low-lying portions of the city, and the south-westerly gale was responsible for damage to early vegetable crops, but, on the other hand, the rain was beneficial to the farming community of Canterbury. Strong south-westerly winds prevailed generally on the 16th, but by the 17th they had decreased nearly everywhere in force.

After the fine spell already referred to between the 17th and 21st conditions changed for the worse again, and, with the exception of brief fine intervals on the 24th and 27th, the weather continued unsettled in most districts until the close of the month.

On the morning of the 26th, Timaru experienced a heavy thunderstorm accompanied by a torrential downpour of rain and hail, associated with the rear of a sharp westerly depression which had crossed the Dominion during the early morning.

B. V. PEMBERTON, Acting-Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
September, 1931.

Altitude above Sea-level.	Name of Station and Observer.	Extremes.					Altitude above Sea-level.	Name of Station and Observer.	Extremes.											
		Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain († Point or more).			Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain († Point or more).							
NORTH ISLAND.											SOUTH ISLAND.									
225	WAIPOUA, DONNELLY'S CROSSING A. C. Forbes	50.8	58.9	42.8	538	23	34	NELSON	49.0	57.2	40.8	245	11	34	NELSON O. B. Pemberton	49.0	57.2	40.8	245	11
65	RIVERHEAD W. J. McKibbin	51.4	59.6	43.2	528	19	..	WAIHOPIA, BLENHEIM J. Stanwell	46.0	55.2	36.8	283	10	800	GOLDEN DOWNS, NELSON Forest Ranger	47.7	59.1	36.3	285	5
164	AUCKLAND S. M. Yallop.	53.1	58.9	47.3	490	22	1220	HANMER SPRINGS H. Roche	43.0	53.1	32.9	555	16	743	BALMORAL, CULVERDEN J. E. Fletcher	44.8	54.4	35.3	333	11
340	WAIHI M. F. Haszard	50.3	58.5	42.1	689	18	12	HOKITIKA J. A. Chesney	45.6	52.3	39.0	450	14	1220	LAKE COLERIDGE H. E. M. Hart	44.6	54.5	34.7	282	11
46	TE AROHA C. E. Christensen	51.3	60.6	42.0	678	18	1200	"RUDSTONE," METHVEN James Carr	44.5	52.1	36.9	395	12	25	CHRISTCHURCH H. F. Skey	44.8	51.8	37.7	216	9
100	TAURANGA Miss K. Butcher	50.1	59.8	40.4	448	18	42	LINCOLN E. W. Hullett	45.0	52.8	37.1	246	11	2510	THE HERMITAGE, MOUNT COOK C. Elms	41.6	51.2	32.1	1008	8
131	R U A K U R A F A R M, HAMILTON EAST G. K. McPherson	49.2	58.7	39.6	544	17	323	ASHBURTON H. P. Clayton	..	..	..	..	..	2350	LAKE TEKAPO Miss D. C. Trott	..	..	..	..	..
230	CAMBRIDGE H. McArthur	50.0	59.3	40.6	488	15	1000	FAIRLIE D. Jeune	43.3	54.1	32.6	170	9	56	TIMARU Caretaker of Domain	44.6	52.0	37.3	207	10
925	ROTORUA L. M. Tregear	48.5	57.0	40.0	579	15	200	WAIMATE F. Akhurst	44.7	53.3	36.1	128	12	1110	QUEENSTOWN H. O. Barker	44.0	52.9	35.2	297	8
1000	ROTORUA NURSERY, WHA- KAREWAREWA W. T. Morrison	*	*	37.9	529	16	520	ALEXANDRA Geo. Smith	45.1	55.5	34.8	81	5	1550	SANATORIUM, WAIPIATA Dr. A. Kidd	42.5	52.9	32.1	111	10
617	ONGARUE D. J. Gardiner	47.4	55.7	39.1	816	21	2448	MANORBURN DAM S. Wragge	37.2	45.8	28.7	161	6	300	DUNEDIN D. Tanrock	46.0	53.8	38.2	288	13
60	NEW PLYMOUTH G. H. Dolby	50.0	56.1	44.0	523	18	245	GOBE A. T. Newman	..	..	..	..	..	12	INVERCARGILL L. Lennie	46.0	55.3	36.7	316	13
3670	CHATEAU TONGARIRO, NATIONAL PARK A. T. Salmon	..	..	..	..	..	LATE RETURNS.													
2125	KARIOI L. H. Bailey	40.9	49.2	32.6	620	24	164	AUCKLAND— August, 1931	52.8	58.6	46.9	330	17	131	R U A K U R A F A R M, HAMILTON EAST July, 1931	48.4	56.1	40.8	657	24
5	NAPIER T. R. Hutton	49.6	56.5	42.8	364	19	ERRATUM.													
45	HASTINGS H. N. Fowler	48.2	58.3	38.1	332	19	800	GOLDEN DOWNS, NELSON June, 1931 .. .. .	..	..	31.7	..	..					
2080	TAIHAPE A. R. Fennin	42.5	48.8	36.3	505	21														
8	TANGIMOANA G. W. Braddell	48.8	55.0	42.6	380	15														
100	PALMERSTON NORTH E. J. Werry	48.6	55.3	41.9	324	20														
..	MASSEY AGR. COL., PAL- MERSTON NORTH L. Macpherson	*	*	42.3	374	18														
384	MANGAMUTU, PAHIATUA A. W. Hamilton	48.0	56.5	39.5	524	22														
44	KAPITI ISLAND A. S. Wilkinson	49.1	53.6	44.7	307	16														
377	MASTERTON Miss R. Robinson	47.0	55.9	38.2	327	17														
415	WELLINGTON	47.2	52.5	41.8	379	21														

* Incomplete.