

Storms and Pressure Systems.—At the beginning of the month, a deep depression was located to the east of the Dominion, and strong southerly winds and very cold temperatures prevailed during the first three days. A series of depressions of the westerly type followed. These caused squally and showery weather in western districts, more especially of the South Island, where the rain was heavy. Hail storms were rather frequent.

On the 13th a deep cyclonic depression developed at the eastern entrance to Bass Strait, and, moving eastwards, crossed North Auckland on the 15th. A secondary followed it on the 16th. Heavy rains fell on the 14th or 15th over most of the North Island.

This depression passed eastwards, but on the 17th commenced to deepen in the neighbourhood of the Chatham Islands. From the 17th to the 19th strong southerly winds and cold weather prevailed in consequence. The southerlies reached strong gale force in places and, on the 19th, some damage was done at Christchurch. There was much snow on the higher levels and thunder and hail in places.

Another spell of westerly weather followed, but pressure remaining low to the east, winds were more frequently from south of west than north of it. On the 22nd and 23rd very boisterous conditions prevailed. Damage was done by westerly gales in Taranaki Bight on the 22nd. Further snowfalls occurred on the high levels.

A depression which crossed the Dominion on the 24th developed a cyclone in its northern portion and, on the 25th, this was centred east of Hawke's Bay. The west to south winds in its rear were again particularly severe. Rain was widespread, many heavy falls being experienced. The 25th was the worst day, and considerable damage was done at Auckland on that day. A large petrol-storage tank partly collapsed under the force of the gale. Snow fell on the ranges. On the 26th there were severe thunderstorms from Auckland northwards, and at Kaitaia a small tornado developed from one of these.

A vigorous westerly depression crossed the South Island on the 30th and 31st, causing heavy rain in western districts.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
October, 1930.

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 D. Grant	52.8	60.6	45.1	610	23	34	NELSON O. B. Pemberton	52.0	61.6	42.5	204	8		
65	RIVERHEAD W. J. McKibbin	53.5	61.0	46.0	529	22	..	GOLDEN DOWNS, NELSON Forest Ranger	49.8	60.1	39.4	245	13		
162	AUCKLAND H. M. Vincent	55.3	61.2	49.4	611	20	1220	HANMER SPRINGS H. Roche	47.2	59.2	35.3	221	14		
340	WAIHI M. F. Haszard	53.2	61.1	45.4	787	16	743	BALMORAL, CULVERDEN W. Staveley	49.3	60.3	38.3	157	12		
46	TE AROHA C. E. Christensen	54.6	63.6	45.5	391	18	12	HOKITIKA J. A. Chesney	49.8	56.5	43.0	1327	21		
100	TAURANGA Miss K. Butcher	51.5	63.1	39.9	417	11	1220	LAKE COLERIDGE H. E. M. Hart	49.0	59.2	38.7	160	12		
131	RUAKURA FARM, HAMILTON EAST G. K. McPherson	52.1	61.5	42.7	460	17	1200	"RUDSTONE," METHVEN James Carr	47.6	56.7	38.4	386	17		
..	CAMBRIDGE H. Sturgeon	52.2	61.8	42.7	458	18	25	CHRISTCHURCH H. F. Skey	49.8	59.0	40.5	101	16		
925	ROTOBUA G. R. Ewing	51.4	61.4	41.3	294	13	42	LINCOLN M. C. Franklin	49.8	59.3	40.2	125	15		
1000	ROTOBUA NURSERY, WHAKAREWAREWA W. T. Morrison	51.6	63.0	40.1	298	13	2510	THE HERMITAGE, MOUNT COOK G. G. Woolley	44.7	53.9	35.5	1164	11		
60	NEW PLYMOUTH G. H. Dolby	52.4	58.5	46.3	527	22	323	ASHBURTON H. P. Clayton	48.6	58.5	38.7	194	14		
3670	CHA TEAU TONGARIRO, NATIONAL PARK A. T. Salmon	..	..	..	..	..	2350	LAKE TEKAPO Miss D. C. Trott	46.1	55.7	36.5	190	10
2125	KARIOI S. Trask	44.5	52.5	36.5	498	24	1000	FAIRLIE D. Jeune	47.4	59.6	35.3	186	9		
5	NAPIER R. Thomas	54.6	63.4	45.9	137	14	56	TIMARU Caretaker of Domain	49.2	58.4	39.9	145	13		
45	HASTINGS H. N. Fowler	52.3	64.3	40.3	73	14	200	WAIMATE F. Akhurst	49.2	59.2	39.1	160	16		
2080	TAIHAPE A. R. Fannin	45.3	52.0	38.6	428	21	1110	QUEENSTOWN H. O. Barker	48.4	57.3	39.5	174	12		
8	TANGIMOANA G. W. Braddell	51.2	58.0	44.4	234	17	1000	OPHIR Rev. A. Don	47.3	59.5	35.1	96	9		
100	PALMERSTON NORTH E. J. Werry	49.5	56.9	42.1	438	27	1550	SANATORIUM, WAIPIATA ATA Dr. A. Kidd	45.9	55.8	36.0	239	16		
..	MASSEY AGRIC. COL., PALMERSTON NORTH L. Whelan	50.3	57.2	43.4	342	24	520	ALEXANDRA Geo. Smith	49.7	60.2	39.2	116	10		
384	MANGAMUTU, PAHIATUA A. W. Hamilton	50.8	59.9	41.6	637	22	..	MANOBBURN DAM	41.4	50.5	32.3	296	20		
44	KAPITI ISLAND A. S. Wilkinson	48.1	57.6	38.6	249	18	300	DUNEDIN D. Tannock	48.5	56.0	41.0	492	21		
377	MASTERTON Miss R. Robinson	50.4	60.3	40.5	291	20	245	GOBE A. T. Newman	..	..	..	..	..
415	WELLINGTON	50.4	56.7	44.2	135	14	12	INVERCARGILL L. Lennie	48.3	56.4	40.2	453	22		