

daily occurrence in many parts of the Dominion. A small tornado passed over the northern portion of Hokitika on the 18th. The most notable of the low-pressure disturbances was the very intense and extensive one which was experienced between the 22nd and 28th. With it were associated very low pressure readings on the 23rd and 24th, especially in the southern portion of the South Island. At Akaroa, at 9 a.m. on the 24th, the barometer registered 28.62 in. The northerly and westerly gales which were associated with this disturbance were exceptionally severe in many parts of the Dominion and at places, particularly in the Poverty Bay and East Cape districts on the 21st and 22nd, caused considerable damage to buildings, trees, &c.

The 25th was a very stormy day, many parts of the North Island particularly experiencing a fierce northerly gale with heavy rain, severe thunderstorms, and hail. Auckland, Waihi, Rotorua, Te Kuiti, and Patea suffered severely. A number of buildings were wrecked by a tornado at St. Helier's Bay, Auckland. During the 25th pressure rose, but on the 26th a further wave crossed the southern portion of the Dominion. After its passage winds changed to south-westerlies, which were general by the morning of the 27th. By the 28th an anticyclone had advanced across the Tasman Sea, and from then until the close of the month the weather was more generally fine over the Dominion than at any other period during September.

A notable feature of the month was the frequency of thunderstorms and hail showers, nearly all parts of the Dominion being subject to them to a greater or less extent. Snow also fell on several occasions chiefly on the high country of the South Island, but some of the lower levels had slight falls with the strong south-west winds on the 26th and 27th.

Although conditions generally were of an unsettled, squally character, there were brief intervals of fine weather, and sunny days were not infrequent in districts with an easterly aspect.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM CHIEF STATIONS.

September, 1928.

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 (3 Points 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 (3 Points or more).
			Mean Max. Temp.	Mean Min. Temp.						Mean Max. Temp.	Mean Min. Temp.		
Ft. 225	NORTH ISLAND. WAIPOUA, DONNELLY'S CROSSING E. Newton	Deg. 54.5	Deg. 61.3	Deg. 47.8	Points. 651	21	Ft. 34	SOUTH ISLAND. NELSON .. O. B. Pemberton	Deg. 50.2	Deg. 58.6	Deg. 41.8	Points. 551	16
65	RIVERHEAD .. W. J. McKibbon	(In complete.)			836	22	..	BALMORAL, CULVERDEN D. D. Dunn	48.1	58.6	37.6	206	9
152	AUCKLAND .. H. M. Vincent	55.6	61.0	50.3	784	23	1220	HANMER SPRINGS .. W. Montgomery	46.2	56.3	36.2	519	12
131	RUAKURA FARM, HAMILTON EAST A. Stuart	52.7	60.8	44.6	865	21	25	CHRISTCHURCH .. H. F. Skey	49.0	59.3	38.8	93	10
..	CAMBRIDGE .. H. Sturgeon	52.5	61.1	44.0	788	21	42	LINCOLN .. D. J. Sidey	49.1	59.7	38.6	109	8
211	MATAMATA .. W. Halligan	52.1	61.3	42.9	885	20	1220	LAKE COLERIDGE .. H. E. M. Hart	47.2	56.4	38.0	520	15
46	TE AROHA .. C. E. Christensen	54.9	62.5	47.3	653	16	323	"RUDSTONE," METHVEN James Carr	47.3	57.2	37.5	178	10
340	WAIHI .. F. Haszard	53.3	60.9	45.8	1074	19	1000	ASHBURTON .. H. P. Clayton	47.8	59.3	36.4	102	8
100	TAURANGA .. Miss K. Butcher	52.9	62.8	43.1	784	20	2510	FAIRLIE .. J. Fraser	46.5	59.2	33.9	90	10
925	ROTORUA .. W. E. Penno	51.2	58.7	43.7	951	22	2350	THE HERMITAGE, MOUNT COOK C. C. Woolley	..	..	..	..	..
1000	ROTORUA NURSERY, WHAKAREWAREWA W. T. Morrison	50.9	59.9	41.9	924	24	56	LAKE TEKAPO .. R. R. Beauehamp	41.8	50.7	32.9	178	7
60	NEW PLYMOUTH .. G. H. Dolby	52.2	57.5	47.0	906	26	200	TIMARU .. Caretaker of Domain	49.2	59.9	38.6	37	7
2125	KARIOI .. H. E. Fache	43.9	52.1	35.7	861	21	1550	WAIMATE .. F. Akhurst	48.2	58.5	38.0	90	10
2080	TAIHAPE .. A. R. Fannin	45.6	52.1	39.2	593	23	1000	SANATORIUM, WAIPIATA Dr. A. Kidd	44.8	55.2	34.4	37	9
100	PALMERSTON NORTH J. A. Colquhoun	50.8	57.4	44.3	393	18	300	OPHIR .. Rev. A. Don	..	..	..	..	..
..	MASSEY AGRI. COL., PALMERSTON N. B. L. Elphick	51.3	57.9	44.6	451	23	142	DUNEDIN .. D. Tannock	48.9	57.9	40.0	193	15
8	TANGIMOANA .. E. Belworthy	52.7	59.7	45.8	418	14	245	BURNSIDE, DUNEDIN P. W. Piper	49.1	56.0	42.2	151	16
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	50.9	57.1	44.8	430	18	12	GORE .. A. T. Newman	..	..	..	..	..
5	NAPIER .. Chas. L. Thomas	53.9	62.6	45.3	239	12	12	HOKITIKA .. J. A. Chesney	48.2	55.4	41.0	1418	26
45	HASTINGS .. H. N. Fowler	53.0	64.6	41.4	122	8	12	INVERCARGILL .. L. Lennie	46.6	55.9	37.3	535	21
384	MANGAMUTU, PAHIATUA A. W. Hamilton	50.7	58.0	43.5	677	24	LATE RETURNS.						
377	MASTERTON .. R. Brown	50.4	59.2	41.7	361	18	225	WAIPOUA, DONNELLY'S CROSSING July, 1928	51.2	57.9	44.5	841	21
186	GREYTOWN .. W. Allan	51.0	59.9	42.1	439	20	..	MASSEY AGRI. COL., PALMERSTON N. August, 1928	47.5	55.1	40.0	321	17
415	WELLINGTON ..	50.2	55.8	44.6	331	15							