

The latter moved off New Zealand on the 14th, and a series of westerly depressions crossed southern New Zealand until the 18th. Their effect was confined chiefly to western districts, Westland having most of its rain during this period, while fine mild weather was being experienced in eastern areas.

On the 6th a tornado which passed over a small area of country two miles from Kaikohe damaged several houses in its track. Fortunately its course was mostly over open and bush country. Many trees were uprooted and some haystacks blown over. At North Egmont Mountain Hostel on the morning of the 16th two tornadoes, one severe and the other of a minor nature, were experienced. The first lifted a corrugated-iron motor-garage and completely wrecked it.

From the 19th to the 23rd an intense anticyclone lay over New Zealand, but its central portion was situated in the south. At the same time a series of slight depressions passed to the north, and the far northern and eastern areas were again subject to scattered and, in places, heavy easterly rains. Otherwise, the weather was fine in most parts of the country.

By the morning of the 24th the high-pressure system had passed away and a depression had moved on to northern New Zealand. The centre of this depression moved slowly across the North Island, passing in a south-east direction to the vicinity of the Chatham Islands on the 26th where it became very intense, pressure at the Chatham Islands falling as low as 28.77 in. on the following day. As previously mentioned, cold southerly winds accompanied this depression and somewhat squally conditions prevailed with intermittent rains.

There were considerable snowfalls on the ranges, especially in the North Island and north-east portion of the South. Westland, however, experienced brilliantly fine weather during this period, and in the east coast districts of the South Island only light scattered rain occurred.

B. V. PEMBERTON, Acting Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR JULY, 1935.

Station.	Height of Station above M.S.L.	Air Temperatures in Degrees (Fahrenheit).								Rainfall in Inches.				Bright Sunshine (Hours).	
		Means of		Mean of A and B.	Difference from Normal.	Absolute Maximum and Minimum.				Total Fall.	No. of Wet Days.	Difference from Normal.	Most in a Day.		
		A Max.	B Min.			Maximum.	Date.	Minimum.	Date.				Amount.		Date.
		Ft.	°F	°F	°F	°F		°F			In.		In.	In.	
Te Pahi, Te Hapua ..	200	59.0	44.8	51.9	(-0.5)	62.2	24	30.0	22	4.79	20	..	1.23	28	168.1
Waipoua State Forest ..	225	58.9	44.2	51.6	(+2.4)	64.0	24	33.0	21	6.85	22	..	1.74	5	97.8
Riverhead ..	105	57.4	39.5	48.4	(+0.4)	63.3	24	29.7	13	10.46	19	..	3.56	21	..
Auckland ..	160	56.4	46.2	51.3	-0.2	61.5	17	34.0	4	10.55	19	+4.97	3.38	21	105.4
Waihi ..	404	54.1	40.9	47.5	+0.1	58.5	16, 25	28.0	13	13.72	18	+3.97	3.75	5	92.5
Te Aroha ..	46	57.3	40.6	49.0	+0.2	63.0	25	27.2	13	8.17	20	+1.72	3.70	5	..
Tauranga ..	100	55.6	40.9	48.3	-0.3	60.2	17	28.2	13	5.65	19	+0.71	1.15	24	116.4
Ruakura Farm, Hamilton	131	56.2	37.5	46.8	-0.4	64.2	25	24.8	13	5.74	20	+0.81	1.82	5	..
Cambridge ..	230	55.3	38.4	46.8	(-0.8)	62.6	25	26.8	13	3.95	18	..	1.00	5	89.0
Rotorua ..	925	53.7	37.9	45.8	+0.1	60.3	19	26.4	13	5.24	17	+0.24	1.58	24	89.4
Whakarewarewa ..	1,000	53.0	36.8	44.9	(-0.3)	60.3	7	24.8	13	4.62	16	-0.01	1.51	24	..
Onepoto, Lake Waikaremoana	2,110	45.5	37.4	41.4	..	57.5	17	31.6	13	11.63	22	..	2.56	5	..
New Plymouth ..	60	55.1	44.9	50.0	+1.2	61.1	9	35.3	11	6.88	18	+0.50	1.44	24	129.1
Chateau Tongariro ..	3,670	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Karioi ..	2,125	48.1	32.2	40.2	(+0.9)	54.8	9, 15	19.1	11	3.10	17	..	0.76	15	..
Napier ..	5	53.3	39.5	46.4	-0.6	60.0	16	28.8	3	10.48	18	+7.21	3.55	29	110.8
Hastings ..	45	53.9	38.1	46.0	(+1.2)	60.0	17	26.0	3	6.35	16	..	1.55	29	..
Taihape ..	2,157	46.3	36.4	41.4	-0.2	54.8	15	28.2	11	1.75	17	-1.22	0.32	23	..
Tangimoana ..	8	53.6	38.4	46.0	-0.7	58.0	9, 18	27.4	28	1.48	15	-1.59	0.40	15	..
Palmerston North ..	100	53.0	40.1	46.6	+0.3	59.0	19	26.0	11	2.01	17	-1.26	0.58	8	..
Massey College, P.N.	110	52.0	40.1	46.0	(+0.2)	59.0	3	22.5	11	1.94	19	(-1.76)	0.50	8	118.0
Pahiatua ..	384	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kapiti Island ..	44	52.0	43.4	47.7	+0.1	59.0	6	36.0	13	2.13	13	-2.06	0.50	17	..
Masterton ..	387	51.7	35.8	43.8	-1.4	63.2	17	20.0	11	6.04	18	+1.86	1.25	24	103.2
Wellington ..	415	50.3	41.6	46.0	-0.9	59.6	16	35.0	11	4.32	14	(-0.53)	1.18	24	119.4
Nelson ..	24	54.7	37.1	45.9	+0.5	60.8	5	29.9	3	2.31	6	-1.17	1.40	14	174.1
Appleby, Nelson ..	57	54.7	36.9	45.8	(+1.0)	61.2	6	28.2	28	2.55	7	..	0.94	17	..
Blenheim ..	30	52.9	34.0	43.4	(-0.4)	63.0	16, 17	24.0	28	1.29	11	(-1.50)	0.39	24	143.6
Golden Downs ..	900	51.4	30.3	40.8	(-0.3)	57.0	7	20.0	28	1.11	2	..	0.81	14	..
Waihopai ..	860	50.9	32.1	41.5	-1.0	60.3	16	25.1	31	1.38	6	..	0.84	14	..
Hanmer Springs ..	1,225	47.6	28.5	38.0	-0.7	56.4	14	19.8	24	3.46	16	-0.83	0.98	7	100.6
Balmoral ..	743	48.7	33.0	40.8	(+0.4)	59.5	15	24.9	24	0.70	8	..	0.17	5, 7	..
Hokitika ..	12	54.2	35.1	44.6	-0.1	59.0	5	28.5	25	3.22	8	-5.74	1.32	14	170.3
Lake Coleridge ..	1,220	47.8	29.9	38.8	-0.6	56.8	18	18.5	24	1.04	8	-1.92	0.54	14	..
Rudstone, Methven ..	1,217	46.8	34.8	40.8	(-0.3)	56.0	15,	28.0	24	1.47	9	-1.27	0.65	7	..
							16, 18								
Christchurch ..	22	48.8	33.9	41.4	-1.1	62.8	15	28.0	2	1.06	13	-1.48	0.28	6	118.2
Lincoln ..	36	50.1	33.5	41.8	-1.1	64.2	15	26.8	3, 29	1.30	13	-1.34	0.40	27	117.4
Hermitage, Mount Cook	2,510	43.0	26.2	34.6	(±0.0)	51.0	11, 17	19.0	26	6.30	8	-2.45	3.72	13	99.8
Ashburton ..	323	48.3	31.4	39.8	(-1.2)	62.7	15	26.0	3, 26	2.03	15	-0.55	0.72	6	111.4
Lake Tekapo ..	2,350	42.3	26.8	34.6	(-0.3)	51.9	15	20.1	26,	0.57	5	..	0.31	15	166.5
							27, 28								
Fairlie ..	1,000	47.7	25.7	36.7	(-1.3)	60.0	15	20.0	4, 5	0.54	5	..	0.19	5	132.7
Timaru ..	56	48.6	32.9	40.8	-1.0	63.8	15	28.0	14	0.56	5	-1.28	0.20	5	125.1
Waimate ..	200	49.6	31.8	40.7	-1.2	64.8	15	27.0	13	0.64	10	-1.42	0.21	5	136.4
Milford Sound ..	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown ..	1,110	46.0	30.3	38.2	(+0.2)	53.2	19	24.8	24	0.28	3	..	0.22	14	121.4
Ophir ..	1,000	43.0	25.3	34.2	-0.4	55.2	18	15.8	26	0.04	2	-0.73	0.03	7	..
Waipiata ..	1,550	45.0	26.9	36.0	-0.7	54.0	18, 21	18.4	29	0.29	8	-1.75	0.09	7	158.1
Alexandra ..	520	43.0	26.4	34.7	(-1.8)	57.2	18	20.0	27	0.07	3	-0.61	0.06	14	136.7
Manorburn Dam ..	2,448	39.0	22.3	30.6	(-1.6)	46.2	18, 21	13.0	13	0.17	2	-0.89	0.11	2	..
Dunedin ..	240	48.5	36.6	42.6	-0.8	58.8	15	30.0	29	1.30	13	-1.68	0.20	18	115.3
Gore ..	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill ..	12	48.1	32.9	40.5	-1.0	58.0	20	25.0	26, 29	1.46	15	-1.81	0.40	10	121.8

LATE RETURN.

Balmoral, June, 1935 ..	743	49.5	32.4	41.0	(-1.4)	58.5	1	21.5	10	2.98	10	..	0.81	9	..
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NOTE.—At stations where departures from normal are in parentheses the record has been maintained for less than ten years in the case of temperatures and for less than twenty years in the case of rainfall, and the normals are partly interpolated.