

The improvement which followed was only brief, and between the 19th and the 22nd another series of depressions passed. Some heavy rains fell in western districts. There was considerable thunder and hail on the 22nd, and two men were struck by lightning near Otorohanga.

An anticyclone covered the Dominion on the 23rd and 24th, but westerly depressions were soon again following each other across the South Island. There was heavy snow on some of the ranges on the 27th, and hail and thunder were reported for the third time during the month. The last three days saw a considerable improvement.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR JULY, 1937.

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.	°F.	°F.	In.	In.	In.	In.			
Te Pahi, Te Hapua ..	200	58.4	45.5	52.0	(-0.4)	61.0	11, 19	35.0	5	5.29	24	..	1.69	24	153.5
Waipoua State Forest ..	225	56.3	41.6	49.0	(-0.2)	63.0	20	35.0	11, 17	6.25	25	..	1.00	24	108.2
Riverhead ..	105	55.6	39.0	47.3	(-0.7)	60.0	20	28.5	8, 19	6.73	24	..	2.30	1	..
Auekland ..	160	54.6	45.1	49.8	-1.7	58.6	25	39.5	7	4.23	25	+1.35	1.21	24	136.4
Waihi ..	404	54.6	38.3	46.4	-1.0	61.0	25	27.0	24	5.00	17	-4.75	0.89	14	124.3
Te Aroha ..	46	56.5	39.3	47.9	-0.9	61.0	24, 25	26.4	8	2.85	18	-3.60	0.60	14	..
Tauranga ..	100	56.7	39.7	48.2	-0.4	62.0	25	28.8	8	3.57	17	-1.37	1.34	21	175.7
Ruakura Farm, Hamilton	131	55.2	36.7	46.0	-1.2	60.2	25	23.0	8	2.49	19	-2.44	0.74	24	128.0
Rotorua ..	925	54.3	36.9	45.6	-0.1	59.9	30	27.5	24	2.44	14	-2.56	0.86	24	119.3
Whakarewarewa ..	1,000	53.3	34.9	44.1	(-1.1)	59.7	11	25.6	8	2.57	10	-2.06	1.00	24	..
Gisborne ..	25	55.4	37.6	46.5	..	61.5	11	30.9	9	3.83	15	..	0.66	25	141.5
Onepoto, Lake Waikaremoana	2,110	47.0	36.8	41.9	..	55.0	11	29.5	7	9.66	19	..	4.43	17	..
New Plymouth ..	60	54.8	43.4	49.1	+0.3	59.2	13	33.4	8	6.51	23	+0.13	1.18	21	124.8
Chateau Tongariro ..	3,670	40.6	26.7	33.6	(-2.5)	49.1	25	7.5	7	6.19	17	..	1.01	21	..
Karioi ..	2,125	46.7	31.5	39.1	(-0.2)	53.2	3	19.8	15	3.20	20	..	0.60	16	..
Napier ..	5	55.1	36.8	46.0	-1.0	62.0	11	27.5	9	3.27	11	0.00	1.45	17	153.6
Hastings ..	45	56.8	36.1	46.4	(+1.6)	65.0	9	26.4	9	2.03	10	..	1.15	17	..
Taihape ..	2,157	46.4	35.3	40.8	-0.8	53.2	11, 20	27.5	7	2.36	19	-0.61	0.50	16	..
Wanganui ..	72	53.4	41.0	47.2	..	60.0	20	31.0	19	1.08	11	..	0.22	22	143.7
Tangimoana ..	8	53.8	36.9	45.4	-1.3	59.0	20	28.5	8, 19	0.77	8	-2.30	0.20	22	..
Palmerston North ..	100	53.5	39.2	46.4	+0.1	58.0	21	28.0	7, 8	1.26	14	-2.01	0.47	22	..
Massey College, P.N.	110	52.8	38.9	45.8	(0.0)	57.5	21	30.0	8	1.33	15	(-2.37)	0.41	22	121.3
Pahiatua ..	384	52.6	37.4	45.0	(0.0)	59.2	25	26.8	19	2.93	20	(-2.03)	0.81	22	..
Kapiti Island ..	44	51.7	42.1	46.9	-0.7	56.0	7	36.0	8	2.02	10	-2.17	0.49	22	..
Masterton ..	387	52.9	34.9	43.9	-1.3	62.2	11	25.1	9	4.28	17	+0.10	1.30	22	135.0
Wellington ..	415	50.5	40.6	45.6	-1.3	58.7	29	33.1	19	3.93	16	(-0.92)	0.81	22	126.7
Nelson ..	24	53.6	35.6	44.6	-0.8	59.0	31	27.0	7	3.40	8	-0.08	1.12	21, 24	180.2
Appleby, Nelson ..	57	53.7	35.6	44.6	(-0.2)	58.4	25	27.9	3	1.74	7	..	0.70	24	..
Blenheim ..	30	53.8	31.7	42.8	(-1.0)	61.0	28	23.2	7	1.11	10	(-1.68)	0.39	21	163.9
Golden Downs ..	900	51.0	29.8	40.4	(-0.7)	57.5	10	20.0	3	1.50	5	..	0.58	12	..
Waihopai ..	860	52.2	30.7	41.4	(-1.1)	59.8	31	24.8	18	1.04	8	..	0.41	21	..
Hammer Springs ..	1,225	48.4	28.0	38.2	-0.5	58.0	31	14.1	4	2.57	10	-1.72	0.61	16	125.0
Balmoral ..	743	49.8	30.4	40.1	(-0.3)	60.0	12	20.5	5	0.80	7	..	0.28	21	..
Westport ..	23	51.6	38.9	45.2	..	55.0	17	31.0	7	6.89	21	..	1.46	20	122.2
Hokitika ..	12	51.9	34.5	43.2	-1.5	56.0	17, 18	26.0	7	7.28	20	-1.68	1.82	20	126.9
Lake Coleridge ..	1,220	48.2	29.5	38.8	-0.6	57.0	31	12.5	3	2.84	11	-0.12	1.60	11	..
Rudstone, Methven ..	1,217	47.3	33.7	40.5	(-0.6)	57.0	31	25.0	19	2.44	10	-0.30	0.84	21	148.4
Christchurch ..	22	49.1	33.1	41.1	-1.4	64.1	28	24.8	5	1.91	8	-0.63	0.93	15	153.6
Lincoln ..	36	49.9	33.0	41.4	-1.5	63.2	28	20.2	5	1.99	7	-0.65	0.90	15	144.6
Onawe, Duvauchelle's Bay	150	50.4	37.4	43.9	..	63.0	12	30.0	5	2.76	6	..	1.12	15	..
Hermitage, Mount Cook	2,510	41.7	24.8	33.2	(-1.4)	53.6	31	9.0	2	9.06	10	+0.31	3.77	11	66.7
Ashburton ..	323	49.5	31.0	40.2	(-0.8)	62.9	31	21.0	3	2.04	9	-0.54	0.69	21	126.9
Lake Tekapo ..	2,350	42.1	24.8	33.4	(-1.5)	53.0	12, 31	9.0	2	1.33	3	..	0.48	21	130.1
Fairlie ..	1,000	48.1	24.5	36.3	(-1.7)	61.3	9	14.8	2	0.89	8	..	0.44	21	147.2
Timaru ..	56	49.5	31.3	40.4	-1.4	72.4	10	26.0	5	0.37	6	-1.47	0.15	16	139.6
Waimate ..	200	50.0	31.7	40.8	-1.1	64.2	10	24.5	2	0.65	6	-1.41	0.20	16	125.6
Milford Sound ..	23	46.0	31.9	39.0	..	55.6	11	23.1	4	22.51	19	..	4.66	9	..
Queenstown ..	1,110	45.6	29.8	37.7	(-0.3)	56.4	31	21.6	2	21.39	12	-0.64	0.67	11	102.9
Ophir ..	1,000	43.4	26.4	34.9	+0.3	57.4	12	17.3	5	0.47	6	-0.30	0.27	20	..
Waipiata ..	1,550	44.1	27.3	35.7	-1.0	55.2	31	13.8	2	0.54	9	..	0.26	21	142.3
Alexandra ..	520	45.1	27.7	36.4	(-0.1)	57.5	11	21.5	4	0.23	8	(-0.45)	0.08	20	129.7
Manorburn Dam ..	2,448	38.7	20.1	29.4	(-2.8)	47.0	31	5.0	18	0.64	8	-0.42	0.25	20	..
Dunedin ..	240	49.6	37.0	43.3	-0.1	59.5	10	23.0	3	1.59	13	-1.39	0.31	15	124.7
Gore ..	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill ..	12	47.5	33.2	40.4	-1.1	58.0	11	19.0	2	3.48	19	+0.21	0.60	5	86.7

LATE RETURNS.

Palmerston North, June, 1937	100	52.2	38.4	45.3	-2.6	62.0	3	27.0	22	1.76	13	-1.75	0.51	15	..
Milford Sound, June, 1937	23	47.3	32.9	40.1	..	61.4	1	24.2	28	6.39	6	..	2.90	2	..

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.