

The next of the series of depressions was a deep and extensive one which passed during the 26th to 27th. Rain was again general with many heavy falls. Flooding occurred for the third time in Auckland and in Hawke's Bay. Thunderstorms were once more frequent in the north. They were responsible for torrential downpours in Auckland and Te Aroha on the 26th. Near the latter place several cows were killed by lightning.

Finally, from the 29th to the 31st, while another depression was passing, unusually cold weather occurred, with boisterous southerly or south-easterly winds. Rain was again general, while snow fell in many parts of the South Island and to unusually low levels in the north.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR JULY, 1938.

Station.	Height of Station above M.S.L.	Air Temperatures in Degrees (Fahrenheit).								Rainfall in Inches.				Bright Sunshine (Hours)	
		Means of				Absolute Maximum and Minimum.				Total Fall.	No. of Wet Days.	Difference from Normal.	Most in a Day.		
		A Max	B Min	Mean of A and B.	Difference from Normal.	Maximum.	Date.	Minimum.	Date.				Amount.		Date.
		Ft.	°F.	°F.	°F.		°F.	°F.		In.		In.			
Te Pahi, Te Hapua ..	200	58.9	46.0	52.4	(+0.0)	62.0	26	27.0	15	9.99	24	..	2.61	20	134.7
"Ramote," Kerikeri ..	400	58.6	45.1	51.8	..	63.2	27	36.3	15	10.81	25	..	2.17	20	..
Waipoua State Forest ..	225	58.1	42.8	50.4	(+1.2)	65.0	27	30.0	15	9.71	23	..	2.49	20	110.1
Riverhead ..	105	56.4	39.9	48.2	(+0.2)	61.0	27	24.0	17	12.66	22	..	2.78	26	..
Hobsonville ..	40	56.7	43.9	50.3	..	62.0	27	32.2	17	13.55	19	..	5.24	26	..
Auckland ..	160	56.1	46.3	51.2	-0.2	60.2	2, 6	37.0	15	12.00	20	+6.42	1.71	26	137.7
Waihi ..	404	54.9	39.4	47.2	-0.2	63.0	27	26.0	16, 17	20.81	20	+11.06	5.73	26	76.9
Wharekawa Nursery, Whangamata ..	50	57.1	41.7	49.4	..	65.0	27	30.0	15	12.59	22	..	3.62	30	..
Te Aroha ..	46	56.4	41.4	48.9	+0.1	62.0	25, 27	28.8	9	20.62	19	+14.17	5.00	11	..
Tauranga ..	100	56.3	41.8	49.0	+0.4	64.0	22	32.0	9, 10	9.93	20	+4.99	2.44	11	118.3
Ruakura Farm, Hamilton	131	55.1	38.2	46.6	-0.6	61.6	22	25.4	9	8.54	17	+3.61	2.58	11	123.7
Rotochu Plantation ..	235	55.3	38.4	46.8	..	62.0	21	21.3	9	7.97	16	..	1.31	11	..
Rotorua ..	925	55.2	38.8	47.0	+1.3	64.8	22	25.5	9	5.50	18	+0.50	0.89	3	105.1
Whakarewarewa ..	1,000	53.6	37.3	45.4	(+0.2)	59.9	5	23.8	9	5.08	18	+0.45	0.81	3	..
Gisborne* ..	25	55.4	41.3	48.4	..	..	..	31.5	10	12.64	22	..	1.86	23	98.1
Onepoto, Lake Waikaremoana	2,110	44.8	37.5	41.2	..	53.8	23	31.5	14	19.20	24	..	2.78	21	..
New Plymouth ..	60	55.8	42.3	49.0	+0.2	70.5	19	32.9	9	5.40	15	-0.98	0.90	3	117.3
Chateau Tongariro ..	3,670	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Karioi ..	2,125	47.3	31.9	39.6	(+0.3)	53.8	19	18.0	9	6.47	12	..	2.88	2	..
Napier ..	5	52.8	40.2	46.5	-0.5	60.0	2	29.7	18	7.15	15	+3.88	1.52	11	103.3
Hastings ..	45	54.1	38.3	46.2	(+1.4)	63.0	2	25.0	10	8.32	16	..	1.81	11	..
Taihape ..	2,157	45.4	36.0	40.7	-0.9	53.2	23	27.1	9	2.89	15	-0.08	0.51	2	..
Wanganui ..	72	53.4	39.7	46.6	..	60.1	2	30.5	8	2.81	16	..	0.83	29	112.0
Tangimoana† ..	8	53.3	40.2	46.8	+0.1	60.0	12	31.0	9	2.48	14	-0.59	0.64	2	..
Palmerston North ..	100	53.3	38.7	46.0	-0.3	61.0	23	25.0	8	1.90	13	-1.37	0.54	3	..
Massey College, P.N. ..	110	52.0	39.2	45.6	(-0.2)	59.0	23	28.0	9	2.09	16	-1.61	0.54	3	100.7
Pahiatua ..	384	50.5	36.3	43.4	(-1.6)	58.0	19	23.6	18	3.21	20	(-1.75)	0.62	3	..
Kapiti Island ..	44	51.6	43.5	47.6	+0.0	58.0	2, 20	37.0	17	2.65	13	-1.54	0.91	19	..
Masterton ..	387	50.5	35.8	43.2	-2.0	59.7	10	24.4	9, 18	3.83	22	-0.35	0.68	21	104.6
Wellington ..	415	49.4	40.7	45.0	-1.9	57.0	12	33.3	17	4.69	23	(-0.16)	0.74	10	96.9
Nelson ..	24	53.5	37.9	45.7	+0.3	59.3	21	29.1	14	3.43	10	-0.05	1.26	19	148.2
Appleby, Nelson ..	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim ..	30	51.6	33.3	42.4	(-1.4)	59.5	12	23.2	15	2.01	16	(-0.78)	1.00	19	136.9
Golden Downs ..	900	49.7	28.2	39.0	(-2.1)	55.5	12	20.1	31	2.75	8	..	0.76	2	..
Waihopai ..	860	49.8	30.8	40.3	(-2.2)	58.7	12	23.4	16	2.42	11	..	1.02	19	..
Westport ..	23	52.9	42.2	47.6	..	58.0	14, 22	36.0	14	6.13	14	..	1.76	18	114.8
Hanmer Springs ..	1,225	43.5	27.7	35.6	-3.1	53.8	2	15.2	16	6.09	20	+1.80	1.47	3	79.9
Balmoral ..	743	44.6	29.5	37.0	(-3.4)	55.0	19	17.0	30	3.47	16	..	1.02	3	..
Hokitika ..	12	52.7	35.6	44.2	-0.5	59.5	16	27.5	14	5.46	11	-3.50	2.39	18	139.0
Lake Coleridge ..	1,220	44.1	28.5	36.3	-3.1	64.5	19	17.3	30	3.39	18	+0.43	0.82	3	..
Christchurch ..	22	45.4	32.9	39.2	-3.3	51.5	18	25.3	9	4.45	20	+1.91	1.03	27	109.8
Wigram Aerodrome, Sockburn	74	46.0	32.3	39.2	..	52.3	19	23.7	9	5.26	21	..	1.51	3	..
Rudstone, Methven ..	1,217	42.4	31.4	36.9	(-4.2)	50.0	5	21.0	30	7.01	18	+4.27	1.25	28	126.2
Lincoln ..	36	45.8	32.9	39.4	-3.5	51.0	19	24.0	17	6.03	22	+3.39	1.94	3	96.7
Onawe, Duvauchelle's Bay	150	47.4	37.6	42.5	..	53.2	19	30.1	8, 30	6.80	24	..	1.40	3	..
Hermitage, Mount Cook	2,510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashburton ..	323	44.4	30.6	37.5	(-3.5)	51.0	18	17.8	30	8.62	21	+6.04	1.74	3	97.0
Lake Tekapo ..	2,350	33.6	20.6	27.1	(-7.8)	46.5	5	10.1	8	2.86	9	..	..	..	94.2
Jacksons Bay ..	22	52.2	37.9	45.0	..	60.1	28	33.2	7	10.43	9	..	3.80	18	..
Fairlie ..	1,000	41.6	24.1	32.8	(-5.2)	49.2	5	2.0	30	3.82	15	..	0.65	2	94.0
Timaru ..	56	45.3	31.7	38.5	-3.3	51.0	5	20.4	9	3.01	14	+1.17	0.59	1	101.0
Waimate ..	200	46.3	33.0	39.6	-2.3	51.8	23	24.0	9	2.38	15	+0.32	0.50	28	98.2
Milford Sound ..	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown ..	1,110	40.6	27.2	33.9	(-4.1)	46.8	20	20.0	15, 16	1.14	9	-0.89	0.43	2	79.0
Ophir ..	1,000	35.4	22.4	28.9	-5.7	43.8	19	7.0	30	0.80	10	+0.03	0.16	5	..
Waipiata ..	1,550	38.7	24.7	31.7	-5.0	46.8	25	13.4	30	0.49	13	..	0.10	30	90.2
Alexandra ..	520	38.7	26.1	32.4	(-4.1)	48.2	4	17.0	16	0.27	10	(-0.41)	0.08	19	113.4
Manorburn Dam ..	2,448	34.7	19.6	27.2	(-5.0)	44.0	18	5.5	16	0.47	11	-0.59	0.09	12	..
Dunedin ..	240	45.4	34.8	40.1	-3.3	51.0	27	27.9	16	2.38	14	-0.60	0.40	3	98.9
Gore ..	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill ..	12	45.4	30.8	38.1	-3.4	49.0	26, 27	24.0	11, 16	2.63	19	-0.64	0.43	3	98.3

LATE RETURN.

Gisborne, June, 1938 ..	25	58.0	41.4	49.7	..	64.5	19, 20	32.8	17	2.42	15	..	0.66	15	128.9
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* Gisborne maximum temperature mean for 20 days only. † Tangimoana observations for 30 days only, rainfall complete.

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.