

Another deep depression, on this occasion a double one, passed between the 18th and 23rd. There were some northerly gales, especially about Cook Strait on the 18th to 19th, very high velocities being recorded at Wellington. Southerly gales again blew on the 22nd and 23rd. Rain was general with many heavy falls, especially on the 22nd. Some local flooding and numbers of slips occurred near Wellington. Snow fell on the ranges.

The last of the storms was experienced from the 28th to the 30th and much the same weather cycle was gone through. Small tornadoes were reported from three places during the month. One struck a portion of New Plymouth on the 10th; another wrecked a house near Opotiki on the 22nd; while the third was seen as a waterspout at sea off New Plymouth on the 4th.

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CLIMATOLOGICAL TABLE.

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

Station.	Height of Station above M.S.L.	Air Temperatures in Degrees (Fahrenheit).								Rainfall in Inches.				Bright Sun-shine (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.			
Te Pahi, Te Hapua ..	200	60.8	44.0	52.4	(-1.9)	65.0	8	31.0	18, 26	5.72	16	1.40	27	145.4	
" Ramote," Kerikeri ..	400	60.7	44.9	52.8	..	66.9	1	37.6	7	5.01	18	2.31	27	..	
Waipoua State Forest ..	225	60.6	41.6	51.1	(+0.1)	66.0	3	33.0	7, 18	6.90	18	1.22	11	116.6	
Riverhead ..	105	59.0	38.2	48.6	(-1.2)	64.5	1	27.0	7	6.22	17	1.65	11	..	
Hobsonville ..	40	59.5	44.1	51.8	..	66.7	18	34.2	7	5.84	18	1.13	11	..	
Auckland ..	160	59.1	47.0	53.0	-0.3	64.6	1	40.0	24	5.41	17	-0.03	1.14	11	148.2
Waihi ..	404	56.8	38.4	47.6	-0.8	64.0	1	26.0	26	8.54	15	-0.02	2.36	28	70.3
Wharekawa Nursery, Whangamata	50	59.8	41.4	50.6	..	68.0	2	31.0	26	10.52	19	..	4.79	15	..
Te Aroha ..	46	58.5	40.8	49.6	-0.7	65.0	1	29.8	7	5.13	17	-0.16	1.32	28	..
Tauranga* ..	100	59.9	42.0	51.0	+1.3	65.0	1	32.0	25	4.79	13	-0.56	2.09	28	160.4
Ruakura Farm, Hamilton	131	57.2	37.4	47.3	-1.2	63.4	19	25.0	7	3.75	15	-0.99	0.43	15	130.6
Rotoehu Plantation ..	235	57.5	36.6	47.0	..	65.3	1	27.0	24	6.88	15	..	2.87	28	..
Rotorua ..	925	58.3	38.6	48.4	+1.2	67.0	1	30.3	25	5.78	15	+0.53	2.80	28	134.1
Whakarewarewa ..	1,000	56.5	36.6	46.6	(-0.1)	64.5	1	27.8	25	5.55	14	+0.57	2.40	28	..
Gisborne ..	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Onepoto, Lake Waikaremoana	2,110	50.4	40.3	45.4	..	57.9	27	34.5	24, 27	6.35	16	..	1.70	13	..
New Plymouth ..	60	60.5	43.6	52.0	+1.9	68.7	30	35.3	7	12.93	18	+6.98	2.36	10	113.3
Chateau Tongariro ..	3,670	44.0	31.4	37.7	(+0.4)	52.9	1	23.9	26	12.45	18	..	2.01	28	..
Karioi ..	2,125	48.5	32.1	40.3	(-0.3)	55.1	1	20.1	27	4.88	17	..	0.71	8	..
Napier ..	5	57.3	41.7	49.5	+0.8	64.4	19	33.5	27	3.42	13	+0.50	1.85	13	142.3
Hastings ..	45	59.2	38.0	48.6	(+2.3)	69.0	11	30.0	7	3.53	13	..	2.10	14	..
Taihape ..	2,157	49.2	37.9	43.6	+0.7	55.6	19	30.0	6, 26	2.50	15	-0.88	0.70	13	..
Wanganui ..	72	56.7	42.8	49.8	..	62.7	10	32.1	26	4.02	16	..	0.85	20	141.1
Tangimoana ..	8	55.9	39.6	47.8	+0.2	61.5	2, 10	30.5	6, 24	4.35	19	+1.27	0.79	10	..
Palmerston North ..	100	55.7	40.9	48.3	+0.4	63.0	2	28.0	27	3.58	16	+0.07	0.76	10	..
Massey College, P.N. ..	110	55.0	41.5	48.2	(+0.8)	61.8	2	30.8	7	4.00	18	(+0.04)	0.64	10	83.8
Pahiatua ..	384	53.6	39.4	46.5	(+0.5)	61.0	1	27.8	7	4.97	16	(+0.08)	0.81	10	..
Kapiti Island ..	44	54.8	46.3	50.6	+1.5	60.0	9	39.0	17, 26, 27	6.75	17	+2.52	0.95	22	..
Masterton ..	387	55.2	36.5	45.8	+0.4	63.8	1	25.7	7, 27	3.06	18	-0.53	0.94	22	123.4
Wellington ..	415	53.5	43.7	48.6	+0.0	61.6	9	35.0	17	7.50	18	(+3.19)	1.39	11	96.6
Nelson ..	24	56.1	38.7	47.4	+1.0	62.8	1	31.2	16	3.78	16	+0.27	0.70	29	144.2
Appleby, Nelson ..	57	55.2	38.0	46.6	(+0.7)	63.3	1	28.9	16	6.27	13	..	1.60	10	..
Blenheim ..	60	55.8	36.4	46.1	(+1.3)	64.8	8	25.5	26	1.78	16	(-0.77)	0.61	10	136.0
Golden Downs ..	900	50.8	31.0	40.9	(+0.7)	58.7	2	21.8	17	7.28	13	..	1.98	28	..
Waihopai ..	860	53.3	33.3	43.3	(+0.7)	61.5	1	24.0	17	3.23	13	..	0.90	18	..
Westport ..	23	56.1	42.2	49.2	..	61.0	1	36.0	16	10.17	16	..	2.60	10	123.2
Hammer Springs ..	1,225	50.1	31.0	40.6	-0.1	59.3	7	16.1	17	6.95	15	+3.56	1.42	12	103.8
Balmoral ..	743	50.8	32.0	41.4	(-1.0)	60.0	8	17.0	17	3.66	12	..	0.86	11	..
Hokitika ..	12	55.0	38.6	46.8	+0.9	60.0	1	32.0	16, 17, 23, 24	7.21	17	-2.01	1.60	7	112.6
Lake Coleridge ..	1,220	50.6	32.7	41.6	+0.2	64.5	4	22.0	26	4.14	13	+1.93	1.01	13	..
Christchurch ..	22	51.3	35.3	43.3	-0.1	60.3	19	26.1	16	7.06	11	+4.53	2.25	12	111.2
Wigram Aerodrome, Sockburn	74	52.0	34.6	43.3	..	61.9	8	24.9	17	5.72	11	..	1.51	12	..
Rudstone, Methven ..	1,217	49.4	36.7	43.0	(+1.0)	58.0	3, 4	29.0	26	5.98	14	+3.61	0.96	11	117.8
Lincoln ..	36	51.9	35.2	43.6	-0.6	60.0	3, 8	25.5	16	6.10	12	+3.62	1.50	12	113.6
Onawe, Duvauichelle's Bay	150	52.8	40.1	46.4	..	60.2	7	31.0	16	7.74	15	..	2.31	12	..
Hermitage, Mount Cook†	2,510	42.6	29.2	35.9	(+1.7)	56.0	7	14.5	16	13.28	17	+1.15	2.81	19	60.1
Ashburton ..	323	50.5	32.8	41.6	(+0.2)	58.5	19	23.6	16	6.53	12	+4.17	1.76	11	95.1
Lake Tekapo‡	2,350	43.1	27.4	35.2	(-1.2)	54.0	8	10.5	16	6.19	11	..	1.19	11	109.5
Jacksons Bay ..	22	53.4	41.2	47.3	..	57.9	3, 12	33.9	23	11.30	18	..	1.90	7	..
Fairlie ..	1,000	48.6	27.0	37.8	(-1.1)	61.0	4	18.7	16	6.27	12	..	1.68	11	115.5
Timaru ..	56	51.0	33.9	42.4	-0.3	59.6	19	20.8	27	6.29	9	+4.54	2.63	30	121.4
Waimate ..	200	51.6	35.0	43.3	+0.4	61.0	4	26.0	16	8.44	9	+6.65	2.20	12	115.5
Milford Sound ..	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown ..	1,110	46.7	33.0	39.8	(+1.4)	55.6	3	24.6	16	4.76	14	+2.54	1.18	12	76.3
Ophi ..	1,000	44.5	29.1	36.8	+2.4	55.3	9	21.1	25	2.41	10	+1.63	0.66	19	..
Waipiata ..	1,550	46.4	30.1	38.2	+1.3	57.0	1	17.2	16	2.37	19	..	0.60	10	108.6
Alexandra ..	520	45.2	31.4	38.3	(+1.8)	55.3	19	24.5	26	1.96	15	(+1.26)	0.47	10	106.1
Manorburn Dam ..	2,448	40.8	26.9	33.8	(+0.9)	48.5	3	13.0	16	1.85	13	+0.45	0.46	10	..
Dunedin ..	240	51.1	37.8	44.4	-0.2	59.6	19	28.7	16	6.58	16	+3.44	1.78	11	103.8
Gore ..	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill ..	12	49.0	35.0	42.0	-0.4	55.0	18, 19	25.0	16	4.29	21	+0.65	0.55	9	67.8
LATE RETURN.															
Gisborne, May, 1938 ..	25	63.8	46.9	55.4	..	73.0	6	31.5	22	7.01	9	..	2.98	5	135.2

* Tauranga maximum temperature observations for 22 days only. † Hermitage, Mount Cook, observations for 28 days only, rainfall complete. ‡ Lake Tekapo observations for 29 days only, rainfall and sunshine 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.