

From the 15th to the 19th pressure continued high to the South and low to the North, while the atmosphere was very humid and unstable. Sudden heavy rains were numerous in the North Island with much flooding, though there was usually no storm centre very near. On the 18th a slight disturbance of an unusual type caused torrential rains between Hawke's Bay and East Cape and heavy falls southward to Cook Strait. Much damage was done by floods and grave loss of life occurred at a workmen's camp in the Wairoa district.

From the 20th the weather improved in the north, but from the 24th to the 27th a series of vigorous depressions were responsible for much rain and some north-westerly gales from Wellington southwards.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

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

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.				
Te Pahi, Te Hapua ..	200	76.7	65.2	71.0	(+6.1)	80.0	27	53.0	10	4.98	15	..	1.46	19	134.2
Waipoua State Forest..	225	77.9	61.4	69.6	(+6.3)	83.0	6, 12	50.0	10	6.18	15	..	1.82	12	152.8
Riverhead ..	105	75.9	61.0	68.4	(+6.0)	82.0	6	45.0	10	14.32	14	..	5.85	16	..
Hobsonville ..	40	76.6	64.9	70.8	..	83.0	14	55.1	10	11.08	12	..	4.03	16	..
Auckland ..	160	76.0	66.0	71.0	+4.4	82.0	13	60.0	9	11.44	12	+7.87	4.84	16	163.4
Waihi ..	404	76.0	62.6	69.3	+5.1	85.0	13	56.0	8, 25	26.02	17	+20.78	16.50	4	145.6
Te Aroha ..	46	79.7	63.1	71.4	+5.6	86.0	19	53.0	9	8.42	16	+5.11	3.53	4	..
Tauranga ..	100	77.1	62.1	69.6	+5.0	84.2	26	55.0	8	10.44	15	+6.66	3.68	4	173.8
Ruakura Farm, Hamilton	131	78.8	60.2	69.5	+5.6	89.6	13	45.2	9	6.06	16	+3.12	1.95	16	162.1
Rotoehu Plantation ..	235	76.4	61.5	69.0	..	85.0	26	52.0	8	14.65	14	..	5.55	4	..
Rotorua ..	925	77.9	61.4	69.6	+6.0	85.3	26	53.5	8	12.41	14	+8.57	4.53	4	128.0
Whakarewarewa ..	1,000	75.0	60.1	67.6	(+4.5)	85.2	26	50.8	8	11.13	13	+7.74	3.52	4	..
Gisborne* ..	25	78.6	61.9	70.2	..	86.0	14, 28	45.0	23	9.51	8	..	6.00	18	155.7
Onepoto, Lake Waikaremoana	2,110	69.6	58.3	64.0	..	88.0	26	51.9	2	10.87	13	..	4.19	18	..
New Plymouth ..	60	75.7	62.1	68.9	+7.4	82.0	1, 19, 20, 21	51.4	9	5.29	14	+1.35	1.71	12	134.1
Chateau Tongariro ..	3,670	67.3	52.0	59.6	(+7.8)	76.7	8	40.4	8	7.13	17	..	1.71	6	..
Karioi ..	2,125	72.9	53.8	63.4	(+7.0)	77.9	14	42.0	8	4.29	14	..	1.75	12	..
Napier ..	5	76.9	65.2	71.0	+6.1	88.5	6	56.8	2	6.20	12	+3.74	2.36	18	150.8
Hastings ..	45	79.6	62.1	70.8	(+7.3)	90.0	26	51.8	2	7.62	9	..	3.95	18	..
Taihape ..	2,157	72.9	58.0	65.4	+6.7	79.2	20	49.8	8	3.60	12	+1.17	1.63	20	..
Wanganui ..	72	76.7	61.7	69.2	..	83.2	5	54.0	2	1.69	12	..	0.65	12	150.2
Tangimoana ..	8	77.4	59.9	68.6	+6.2	84.0	11	51.5	9	2.25	13	+0.16	0.72	5	..
Palmerston North ..	100	79.4	61.5	70.4	+7.6	88.0	9, 10, 20,	52.0	8	2.40	11	+0.22	0.66	5	..
Massey College, P.N. ..	110	76.6	62.0	69.3	(+7.0)	84.0	20	52.0	8	2.32	12	(-0.04)	0.85	5	141.3
Pahiatua ..	384	75.4	60.0	67.7	(+5.7)	83.2	20	52.0	2, 3	3.51	15	(+0.72)	0.87	12	..
Kapiti Island ..	44	72.9	62.0	67.4	+5.8	79.0	18	56.0	2	2.70	12	(+0.14)	0.83	5	..
Masterton ..	387	78.0	58.7	68.4	+6.0	88.9	26	45.7	9	4.72	12	+1.94	1.37	16	167.1
Wellington ..	415	71.1	59.5	65.3	+3.6	78.9	5	54.0	23	6.32	12	(+3.57)	1.27	16	165.3
Nelson ..	24	74.5	60.1	67.3	+4.6	81.1	1	52.2	7	7.36	11	+4.73	2.19	4	164.7
Appleby, Nelson ..	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim ..	30	75.5	58.8	67.2	(+2.6)	85.2	28	47.8	2	4.56	10	(+2.70)	1.63	4	159.7
Golden Downs ..	900	73.5	53.4	63.4	(+4.6)	79.2	21	40.9	16	6.42	9	..	1.63	5	..
Waihopai ..	860	74.7	55.2	65.0	(+3.1)	82.8	26	48.2	2	5.27	12	..	1.93	4	..
Westport ..	23	71.1	60.7	65.9	..	79.0	18	50.5	16	3.97	12	..	1.67	25	176.3
Hanmer Springs ..	1,225	75.1	52.7	63.9	+4.9	85.9	26	40.3	16	2.19	9	-1.07	0.76	17	152.4
Balmoral ..	743	75.9	55.0	65.4	(+4.7)	86.0	27	44.5	2, 9	1.43	7	..	0.82	4	..
Hokitika ..	12	71.8	57.9	64.8	+5.0	80.5	18	42.5	16	9.06	12	+1.84	3.15	25	164.3
Lake Coleridge ..	1,220	73.2	54.2	63.7	+3.6	84.0	26	38.0	16	2.32	7	+0.62	0.98	11	..
Rudstone, Methven ..	1,217	71.9	55.5	63.7	(+5.0)	83.0	25, 26	47.0	3, 16	2.69	11	-0.25	0.77	11	159.2
Christchurch ..	22	72.3	58.1	65.2	+4.5	87.9	25	51.0	9, 16	1.21	11	-0.35	0.59	4	148.8
Lincoln ..	36	74.7	56.6	65.6	+4.2	90.3	25	46.9	16	0.81	6	-0.77	0.39	4	173.6
Onawe, Duvauchelle's Bay	150	73.9	59.3	66.6	..	90.5	25	50.0	16	2.34	8	..	1.33	4	..
Hermitage, Mount Cook†	2,510	70.9	50.6	60.8	(+6.1)	83.0	23	43.5	8	12.01	13	+2.09	4.76	27	147.0
Ashburton ..	323	73.1	56.2	64.6	(+4.7)	88.0	25	46.8	16	1.53	10	-0.59	0.46	4	132.2
Lake Tekapo ..	2,350	73.6	51.4	62.5	(+6.2)	84.5	25	43.0	9	0.33	4	..	0.12	11	220.1
Jacksons Bay ..	22	70.4	57.5	64.0	..	77.9	18	46.8	15	12.83	13	..	5.12	24	..
Fairlie ..	1,000	72.6	53.8	63.2	(+4.8)	88.2	25	43.0	9	1.20	10	..	0.62	27	134.0
Timaru ..	56	73.1	57.4	65.2	+5.1	84.8	25	51.4	3, 16	3.52	13	+1.73	1.97	28	136.9
Waimate ..	200	72.5	57.4	65.0	+6.1	85.7	25	50.0	3	2.24	15	+0.24	0.71	27	117.8
Milford Sound ..	23	64.6	54.6	59.6	..	73.5	27	43.0	16	18.66	9	..	6.42	24	..
Queenstown ..	1,110	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ophir ..	1,000	81.0	51.7	66.4	+6.4	88.0	3	33.9	16	0.60	3	-0.70	0.43	27	..
Waipiata ..	1,550	78.0	52.2	65.1	+7.3	88.6	25	37.2	16	0.75	7	..	0.47	27	231.8
Alexandra ..	520	81.3	55.5	68.4	(+7.3)	88.7	23	40.2	16	0.70	5	(-0.42)	0.45	27	239.3
Manorburn Dam ..	2,448	73.3	48.2	60.8	(+7.5)	82.2	25	33.5	16	0.62	5	-1.10	0.37	27	..
Dunedin ..	240	72.6	55.4	64.0	+6.1	84.0	13	43.1	16	1.01	14	-1.70	0.23	4	193.7
Gore ..	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill ..	12	73.2	53.6	63.4	+6.4	86.0	24	39.0	16	2.20	8	-0.98	0.98	14	188.8

LATE RETURNS.

Pahiatua, Jan., 1938 ..	384	75.5	54.9	65.2	(+3.0)	91.0	16	43.0	21	2.80	7	-0.94	0.75	8	..
Queenstown, Jan., 1938	1,110	75.1	51.8	63.4	(+4.5)	89.2	16	39.8	10	3.34	9	+0.47	0.88	4	281.8

* Gisborne minimum temperature for 27 days only. † Hermitage, Mt. Cook, maximum temperature for 26 days, minimum temperature for 24 days only.

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.