

these directions continued to prevail, and were frequently strong. During the whole of this period an anticyclone remained centred over the Tasmanian region, while pressure to the east was low. General rains occurred, with heavy falls over the South Island and about Wellington. From the 10th to the 14th the atmosphere was particularly unstable, and thunder and hailstorms were very numerous. On the 10th a small tornado occurred near Opunake, while on the 13th a waterspout was seen from Levin. Snow fell on the ranges, and there were a number of frosts during the period.

A fine spell followed, and the anticyclone previously mentioned finally moved eastward across the Tasman Sea and the Dominion. On the 23rd, however, another unsettled spell commenced. The pressure remained high at Chatham Islands but rather low over New Zealand, while another intense anticyclone developed over Tasmania. Again there was general rain, with very heavy falls from Taranaki southwards. Flooding occurred in Taranaki, western Wellington, the Waimakariri River, and in Otago and Southland. In parts of the last-mentioned provinces the floods were very severe.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR FEBRUARY, 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.			
Te Pahi, Te Hapua ..	200	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoa State Forest ..	225	69.2	53.6	61.4	(-1.9)	78.0	23	43.0	20	4.13	11	..	0.86	12	129.4
Riverhead ..	105	69.3	51.1	60.2	(-2.2)	77.0	24	40.0	21, 22	1.69	11	..	0.44	14	..
Auckland ..	160	70.3	58.3	64.3	-2.3	75.3	5	50.6	14	1.05	9	-2.52	0.38	14	186.7
Waihi ..	404	70.6	53.2	61.9	-2.3	77.0	6	41.0	20, 21	2.04	11	-3.20	0.58	26	199.5
Te Aroha ..	46	74.0	54.5	64.2	-1.6	81.6	5	40.0	22	1.42	10	-1.89	0.25	14	..
Morrinsville ..	87	72.8	49.3	61.0	..	79.0	5	37.2	14	1.10	8	..	0.55	10	..
Tauranga ..	100	72.7	52.9	62.8	-1.8	79.8	8	39.9	14	1.20	11	-2.58	0.41	26	220.1
Ruakura Farm, Hamilton	131	70.8	49.9	60.4	-3.5	76.6	9	37.8	14, 20, 22	1.78	11	-1.16	0.47	14	190.9
Rotorua ..	925	69.9	52.6	61.2	-2.4	76.8	3, 5	39.3	14	1.89	12	-1.95	0.62	24	174.3
Whakarewarewa ..	1,000	69.5	50.9	60.2	(-2.9)	78.5	8	37.5	20	1.75	12	-1.64	0.61	24	..
New Plymouth ..	60	66.9	53.3	60.1	-1.4	73.1	5	44.6	21	11.24	14	+7.30	4.64	24	180.4
Chateau Tongariro ..	3,670	56.1	..	..	..	67.0	5	..	..	10.71	16	..	2.82	23	..
Karioi ..	2,125	64.1	42.6	53.4	(-3.0)	75.2	27	31.1	20	3.18	13	..	0.87	13	..
Napier ..	5	70.3	53.6	62.0	-2.9	79.7	28	41.0	21	0.72	5	-1.74	0.39	8	218.8
Hastings ..	45	73.4	49.4	61.4	(-2.1)	83.6	23	36.4	21	0.11	5	..	0.04	1	..
Taihape ..	2,157	64.0	47.1	55.6	-2.1	74.2	26	38.0	14, 20	2.35	10	-0.08	0.41	14	..
Tangimoana ..	8	67.6	50.5	59.0	-3.4	80.0	25	35.6	20	5.46	10	+3.05	1.37	24	..
Palmerston North ..	100	68.7	51.2	60.0	-2.8	83.0	25	38.0	21	5.29	12	+3.11	1.53	24	..
Massey College, P.N. ..	110	67.3	48.8	58.0	(-4.3)	80.1	25	39.0	20, 21	5.63	13	(+3.27)	1.62	24	177.0
Pahiatua ..	384	67.1	48.6	57.8	(-4.2)	80.0	25	35.2	5	4.72	11	(+1.93)	1.08	14	..
Kapiti Island ..	44	65.3	54.3	59.8	-1.8	71.0	25, 26	48.0	14	5.17	12	+2.61	1.60	24	..
Masterton ..	387	70.4	46.9	58.6	-3.8	81.6	25	37.0	5, 21	2.76	13	-0.02	0.87	14	200.1
Wellington ..	415	64.1	51.3	57.7	-4.0	72.6	16	43.8	21	4.22	11	(+1.47)	0.99	24	197.4
Nelson ..	24	67.9	61.3	59.6	-3.1	76.9	7	40.4	19	5.43	11	+2.80	2.83	25	212.3
Appleby, Nelson ..	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim ..	30	72.2	49.0	60.6	(-4.0)	84.5	6	36.5	20	2.89	11	(+1.03)	0.92	25	208.4
Golden Downs ..	900	65.7	..	..	..	72.6	5	..	..	10.67	10	..	4.72	25	..
Waihopai ..	860	69.6	46.5	58.0	(-3.9)	83.1	6	34.4	19	4.74	12	..	1.63	24	..
Hanmer Springs ..	1,225	67.8	42.3	55.0	-4.0	82.3	6	31.0	20	2.53	13	-0.73	0.65	14	205.2
Balmoral ..	743	68.2	45.9	57.0	(-3.7)	84.0	6	34.0	2	1.54	12	..	0.40	10	..
Hokitika ..	12	63.1	49.2	56.2	-3.6	66.0	22, 27, 28	40.0	20	13.84	16	+6.62	3.42	7	179.7
Lake Coleridge ..	1,220	66.2	47.0	56.6	-3.5	80.4	6	36.0	19	3.97	11	+2.27	2.12	23	..
Rudstone, Methven ..	1,217	64.1	45.2	54.6	(-4.1)	80.0	6	32.0	13	4.56	18	+1.62	0.94	23	..
Christchurch ..	22	65.4	48.3	56.8	-3.9	79.8	23	37.3	20	2.19	16	+0.63	0.76	12	199.3
Lincoln ..	36	66.7	47.1	56.9	-4.5	79.7	23	35.4	2	2.71	14	+1.13	0.59	12	177.3
Hermitage, Mount Cook	2,510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashburton ..	323	65.1	43.2	54.2	(-5.7)	77.3	23	31.2	20	4.65	16	+2.53	1.44	12	142.8
Lake Tekapo ..	2,350	62.9	41.3	52.1	(-4.2)	75.0	2	30.1	19	2.57	10	..	0.78	12	218.8
Fairlie ..	1,000	65.5	43.3	54.4	(-4.0)	78.5	6	31.3	20	3.45	14	..	0.80	7	169.0
Timaru ..	56	65.4	47.6	56.5	-3.6	78.4	23	37.4	19	2.48	13	+0.69	0.85	12	158.4
Waimate ..	200	65.2	47.4	56.3	-2.6	79.0	6, 23	40.0	18	2.50	13	+0.50	0.99	7	131.2
Milford Sound ..	23	61.4	46.5	54.0	..	73.1	25	38.5	21	13.75	16	..	3.39	6	..
Queenstown ..	1,110	64.6	45.7	55.2	(-3.8)	78.2	5	38.8	13	3.78	12	+1.81	1.39	23	177.8
Ophir ..	1,000	66.3	43.0	54.6	-5.4	81.4	5	29.9	20	3.37	10	+2.07	1.69	23	..
Waipiata ..	1,550	63.8	42.3	53.0	-4.8	79.6	2	32.0	20	2.56	14	..	0.66	7	186.3
Alexandra ..	520	66.7	46.3	56.5	(-4.6)	82.2	2, 5	36.0	20	2.34	12	(+1.22)	1.24	23	187.2
Manorburn Dam ..	2,448	57.9	38.8	48.4	(-4.9)	73.0	5	28.8	18	3.90	15	+2.18	1.14	23	..
Dunedin ..	240	61.2	46.2	53.7	-4.2	73.5	3	37.8	20	7.15	16	+4.44	2.02	23	146.1
Gore ..	245	63.1	42.1	52.6	-4.9	82.0	5	34.0	20	8.70	18	+5.97	1.87	23	131.9
Invercargill ..	12	59.2	45.6	52.4	-4.6	77.0	6	34.0	20	5.90	21	+2.72	1.35	23	119.2

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.