

The remaining storms were rather complex in structure and none was severe until the centre had passed New Zealand, although heavy rains were produced. The first of these systems operated from the 6th to the 9th. On the 7th to 8th there were southerly gales; the temperature dropped sharply; snow fell on the ranges of the South Island; and there were many violent thunder and hail storms. Rain was practically general and in many places heavy. Canterbury had heavy rains on this occasion. Widespread, though brief, flooding occurred.

Another very wet period was from the 17th to the 22nd. There was no very violent storm, but the persistence of high pressure in the Chatham Islands region while depressions approached from the west led to the rainfall being very heavy especially in Canterbury, where there was severe flooding and much damage done. At Akaroa 9½ in. of rain fell between 9 a.m. and 3.30 p.m. on the 20th, and for twenty-four hours the fall was 11.73 in.

A depression which passed on the 25th deepened when to the eastward, and was followed by a severe southerly gale. Again there was heavy rain at many places.

Thunderstorms were frequent during the month and unusually violent. Several buildings were struck and some stock were killed. A hailstorm in the Nelson district on the 7th did much damage to the tobacco crop.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR FEBRUARY, 1936.

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		°F		In.		In.	In.		
Te Pahi, Te Hapua ..	200	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua State Forest	225	72.6	55.6	64.1	(+0.8)	80.0	24	46.0	10	8.08	18	..	4.94	1	189.1
Riverhead ..	105	71.6	53.3	62.4	(+0.0)	75.8	29	41.6	9	11.26	15	..	7.53	1	..
Auckland ..	160	72.7	60.5	66.6	±0.0	75.8	29	54.0	8, 27	9.29	11	+5.72	6.38	1	217.7
Waihi ..	404	71.1	54.9	63.0	-1.2	75.5	29	44.5	8	20.46	17	+15.22	12.10	1	147.0
Te Aroha ..	46	75.8	55.9	65.8	±0.0	82.0	29	46.0	9	10.79	14	+7.48	6.00	1	..
Morrinsville ..	87	74.1	52.3	63.2	..	82.3	29	41.8	9	7.95	11	..	3.59	1	..
Tauranga ..	100	72.6	54.9	63.8	-0.8	76.5	29	43.6	8	13.52	15	+9.74	6.28	1	207.2
Ruakura Farm, Hamilton	131	74.0	53.0	63.5	-0.4	82.8	29	42.4	13	8.55	17	+5.61	3.39	1	..
Cambridge ..	230	74.1	53.0	63.6	(-0.7)	80.8	29	43.2	9	8.81	15	..	4.24	1	186.5
Rotorua ..	925	69.5	54.4	62.0	-1.6	78.5	29	42.8	8	12.17	14	+8.33	5.27	1	148.6
Whakarewarewa ..	1,000	70.4	51.6	61.0	(-2.1)	78.8	29	40.5	9	10.63	15	+7.24	4.34	1	..
Onepoto, Lake Waikaremoana	2,110	65.5	52.3	58.9	..	71.5	12	43.8	27	12.83	18	..	5.54	1	..
New Plymouth ..	60	69.8	56.1	63.0	+1.5	74.9	24	45.1	9	6.29	16	+2.35	2.83	1	174.0
Chateau Tongariro ..	3,670	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Karioi ..	2,125	66.5	45.6	56.0	(-0.4)	75.1	23	33.9	13	12.85	16	..	4.95	1	..
Napier ..	5	71.3	57.4	64.4	-0.5	81.7	13	49.1	8	11.93	12	+9.47	4.43	25	186.3
Hastings ..	45	73.8	54.5	64.2	(+0.7)	82.0	13	46.6	8, 9	11.37	11	..	4.81	25	..
Taihape ..	2,157	65.3	50.3	57.8	-0.9	75.2	24	39.8	27	10.85	15	+8.42	2.57	25	..
Tangimoana ..	8	70.9	53.8	62.4	±0.0	78.5	28	44.0	3	8.39	15	+5.98	2.20	1	..
Palmerston North ..	100	71.2	56.3	63.8	+1.0	81.0	24	46.0	13	8.01	15	+5.83	1.94	1	..
Massey College, P.N. ..	110	70.9	55.4	63.2	+0.9	82.5	29	41.5	3	7.57	19	(+5.21)	1.65	1	175.7
Pahiatua ..	384	70.6	53.3	62.0	(±0.0)	81.6	24	43.2	27	5.66	15	(+2.87)	1.58	25	..
Kapiti Island ..	44	69.0	57.3	63.2	+1.6	78.0	23, 28	50.0	9	6.95	16	+4.39	1.73	8	..
Masterton ..	387	71.8	52.5	62.2	-0.2	84.2	24	45.0	29	11.32	11	+8.54	2.52	1	169.9
Wellington ..	415	67.5	55.0	61.2	-0.5	79.1	24	48.8	9	9.90	14	(+7.15)	2.67	1	167.9
Nelson ..	24	70.6	53.6	62.1	-0.6	76.0	11	43.1	8	3.68	10	+1.05	0.71	18	180.6
Appleby, Nelson ..	57	70.2	53.4	61.8	(-0.5)	75.9	25	42.8	3, 8	4.03	10	..	0.91	17	..
Blenheim ..	30	72.4	52.9	62.6	(-2.0)	83.0	11	41.0	27	5.01	12	+3.15	1.28	2	182.0
Golden Downs ..	900	69.3	48.4	58.8	(±0.0)	77.4	24	35.5	3	4.30	9	..	1.60	17	..
Waihopai ..	860	70.2	51.5	60.8	(-1.1)	80.0	13, 24	39.7	3	4.94	16	..	0.74	19	..
Hammer Springs ..	1,225	68.2	45.4	56.8	-2.2	84.5	25	35.0	27	16.07	14	+12.81	5.01	19	138.5
Balmoral ..	743	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hokitika ..	12	68.0	53.7	60.8	+1.0	74.0	26	44.0	1, 3, 8	4.44	11	-2.78	1.72	17	142.1
Lake Coleridge ..	1,220	67.2	50.0	58.6	-1.5	76.0	16	40.0	13	3.35	12	+1.65	1.41	20	..
Rudstone, Methven ..	1,217	64.7	49.2	57.0	(-1.7)	74.0	5, 15	41.0	3	12.32	16	+9.38	4.35	20	..
Christchurch ..	22	65.5	52.1	58.8	-1.9	76.7	24	40.7	27	6.93	11	+4.37	2.60	20	132.8
Lincoln ..	36	67.2	51.7	59.4	-2.0	76.0	22	38.2	3	9.18	10	+7.60	3.44	19	128.5
Hermitage, Mount Cook	2,510	63.3	42.1	52.7	(-2.0)	74.0	9, 25	31.0	4	24.32	14	+14.40	8.40	15	116.3
Ashburton ..	323	66.2	50.1	58.2	(-1.7)	78.0	11	38.9	3	9.44	16	+7.32	4.77	20	107.2
Lake Tekapo ..	2,350	66.6	44.3	55.4	(-0.9)	74.6	17	32.5	3	2.69	8	..	1.74	21	171.7
Fairlie ..	1,000	66.8	47.0	56.9	(-1.5)	79.6	16	33.0	3	5.74	15	..	2.91	20	133.8
Timaru ..	56	67.1	51.9	59.5	-0.6	82.0	16	41.8	3	8.39	11	+6.60	5.79	20	140.2
Waimate ..	200	66.9	49.1	58.0	-0.9	79.2	16	40.0	3	4.30	15	+2.30	2.35	20	135.2
Milford Sound ..	23	..	47.7	..	..	..	..	40.9	1	17.14	14	..	6.87	16	..
Queenstown ..	1,110	69.3	49.8	59.6	(+0.6)	81.4	27	40.4	26	1.36	11	-0.61	0.94	16	196.4
Ophir ..	1,000	69.5	47.1	58.3	-1.7	78.0	27	36.2	3	1.70	11	+0.40	0.76	6	..
Waipiata ..	1,550	66.8	46.5	56.6	-1.2	77.0	5	34.8	26	1.83	14	..	0.66	6	167.7
Alexandra ..	520	70.4	49.8	60.1	(-1.0)	80.2	27	38.5	26	0.59	11	(-0.53)	0.26	16	178.6
Manorburn Dam ..	2,448	62.5	42.1	52.3	(-1.0)	75.0	23	31.0	26	0.94	13	-0.78	0.34	7	..
Dunedin ..	240	65.0	50.5	57.8	-0.1	76.6	27	45.0	27	8.53	17	+5.82	2.40	20	162.0
Gore ..	245	70.1	44.8	57.4	-0.1	82.0	5, 27	36.0	1, 2	2.55	13	-0.18	1.17	16	184.1
Invercargill ..	12	66.0	48.5	57.2	+0.2	81.0	28	39.0	15, 16,	2.14	15	-1.04	0.80	16	187.2

LATE RETURNS.

Cambridge, Jan., 1936 ..	230	76.1	55.2	65.6	(+1.5)	81.2	29	46.0	3	5.05	12	..	1.27	8	182.6
Tangimoana, Jan., 1936	8	71.4	54.2	62.8	+0.3	81.0	21	44.4	2	3.80	8	+1.38	1.31	14	..
Balmoral, January, 1936	743	70.8	51.1	61.0	-0.2	91.0	27	42.0	25	1.67	12	..	0.40	14	..
Gore, July, 1935 ..	245	47.6	29.4	38.5	-0.8	59.0	19	22.0	23	0.79	16	-1.22	0.20	11	126.1

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.