

After a brief spell of anticyclonic conditions and fine weather, a series of westerly depressions passed between the 10th and 15th. There were some opportune heavy rains in Westland where a shortage of water for mining and other operations had been experienced. On the 12th westerly gales blew at numbers of places, and on the 14th some snow fell on the ranges of the South Island.

Fine weather prevailed from the 16th to the 19th. On the 20th another series of depressions commenced, including a shallow cyclone which crossed the Cook Strait area on the 22nd and was followed by strong southerlies on the 24th. Heavy rain occurred in the Central Provinces. There was cold weather from the 23rd to the 25th, especially over the South Island where snow fell in places.

On the 27th a rather unusual type of westerly depression crossed the southern portion of the South Island and, as it passed, a southerly change moved rapidly over the Dominion, gales blowing in the South Island. Snow fell on most of the ranges and there was thunder and hail in places. A similar depression was passing at the end of the month.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR SEPTEMBER, 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.	In.	In.	
Te Pahi, Te Hapua ..	200	..	48.3	..	..	..	..	34.0	17	4.92	23	..	1.03	25	175.1
Waipoua State Forest..	225	60.3	46.1	53.2	(+1.2)	66.0	6	34.0	17, 18	4.39	23	..	0.55	11	138.4
Riverhead ..	105	59.3	41.8	50.6	(+0.1)	67.0	1	29.0	18	4.66	23	..	0.62	21, 25	..
Auckland ..	160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waihi ..	404	59.7	43.3	51.5	-0.4	67.0	1	30.0	29	5.80	15	-1.05	1.25	3	173.7
Te Aroha ..	46	62.1	44.6	53.4	-0.2	71.0	1	31.0	16	3.44	18	-1.54	0.68	3	..
Tauranga ..	100	62.5	42.5	52.5	+0.2	72.0	1	31.0	16	3.85	18	-0.44	0.78	6	190.3
Ruakura Farm, Hamilton	131	60.5	40.4	50.4	-1.3	70.8	1	29.0	16, 18	3.30	17	-0.45	0.95	3	185.1
Rotorua ..	925	61.7	41.0	51.4	+1.1	70.8	1	28.8	29	3.48	19	-1.49	1.08	3	156.0
Whakarewarewa*	1,000	59.2	39.2	49.2	(-0.6)	65.8	21	29.5	18	3.24	14	-1.28	1.21	3	..
Gisborne ..	25	59.3	43.8	51.6	..	69.7	21	33.3	27	2.36	15	..	0.50	3	167.3
Onepoto, Lake Waikaremoana	2,110	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth ..	60	59.1	46.1	52.6	+1.2	63.2	1	34.9	18	4.79	20	-0.13	0.73	29	176.7
Chateau Tongariro†	3,670	42.4	29.1	35.8	(-4.4)	54.7	18	24.8	16	7.38	19	..	1.50	30	..
Karioi ..	2,125	49.4	34.5	42.0	(-1.4)	60.7	1	20.1	29	4.37	20	..	0.85	30	..
Napier ..	5	58.8	42.5	50.6	-1.2	67.0	21	31.3	29	2.65	16	+0.72	0.86	4	176.7
Hastings ..	45	60.4	40.7	50.6	(+0.8)	70.2	21	28.0	29	2.29	12	..	0.96	4	..
Taihape ..	2,157	51.6	38.8	45.2	-0.5	59.3	21	28.1	29	3.29	21	+0.25	0.70	30	..
Wanganui ..	72	57.8	46.0	51.9	..	66.1	1	33.1	29	3.07	19	..	0.56	6	171.1
Tangamoana ..	8	57.5	43.0	50.2	-0.5	67.0	1	28.0	29	2.23	19	-0.40	0.29	30	..
Palmerston North ..	100	59.3	44.2	51.8	+1.0	66.0	4, 21	28.0	29	3.36	24	+0.43	0.78	30	..
Massey College, P.N.‡	110	57.0	43.2	50.1	(-0.2)	65.5	22	30.0	29	3.32	22	(+0.01)	0.88	30	108.9
Pahiatua ..	384	56.5	41.6	49.0	(-0.9)	64.0	11	25.6	29	4.39	16	(+0.12)	0.70	22	..
Kapiti Island ..	44	55.8	46.2	51.0	-0.3	64.0	1	36.0	29	2.95	19	-0.35	0.60	22	..
Masterton ..	387	57.3	40.7	49.0	-1.1	67.1	30	26.7	29	3.39	19	+0.39	0.73	22	137.9
Wellington ..	415	54.3	44.6	49.4	-1.3	59.8	19	36.9	29	3.51	20	(+0.31)	1.19	22	125.5
Nelson ..	24	58.4	43.2	50.8	+0.5	67.1	30	33.9	29	1.12	15	-2.46	0.29	11	162.0
Appleby, Nelson ..	57	58.4	42.9	60.6	(+0.9)	67.6	30	30.9	29	1.51	13	..	0.49	22	..
Blenheim ..	30	59.1	40.9	50.0	(+0.1)	70.2	30	30.2	26	1.47	13	(-0.78)	0.48	22	154.6
Golden Downs ..	900	56.4	34.9	45.6	(-1.4)	63.2	1	24.6	29	2.55	9	..	1.02	12	..
Waihopai ..	860	57.6	38.2	47.9	(-1.0)	64.9	8, 30	28.8	29	1.68	13	..	0.53	11	..
Hanmer Springs ..	1,225	54.6	35.1	44.8	-1.6	66.6	19	20.9	28	5.40	18	+0.97	1.21	22	114.8
Balmoral ..	743	55.4	36.9	46.2	(-1.9)	67.0	20	26.0	29	2.46	16	..	0.98	22	..
Westport ..	23	55.5	44.7	50.1	..	61.0	4	37.0	29	6.21	17	..	1.24	20	141.9
Hokitika ..	12	57.1	41.5	49.3	-0.1	63.0	1, 4	32.0	28	6.16	14	-2.86	1.66	29	132.5
Lake Coleridge ..	1,220	57.8	37.5	47.6	0.0	68.0	29	28.0	17	2.46	16	-0.65	0.80	22	..
Rudstone, Methven ..	1,217	53.8	39.5	46.6	(-0.3)	66.0	19	31.0	28	3.23	18	-0.21	0.98	22	140.4
Christchurch ..	22	55.8	42.1	49.0	+0.2	69.6	20	34.0	26	1.83	14	-0.10	0.63	24	130.3
Lincoln ..	36	56.7	41.8	49.2	0.0	70.2	20	33.5	17, 26	2.31	13	+0.43	0.76	1	145.4
Onawe, Duvauchelle's Bay	150	57.2	42.9	50.0	..	72.2	19	34.5	26	2.42	15	..	0.59	14	..
Hermitage, Mount Cook	2,510	50.5	34.0	42.2	(0.0)	61.5	19	21.7	28	8.28	15	-4.59	2.10	11	90.5
Ashburton ..	323	55.0	40.2	47.6	(+0.8)	65.3	30	27.5	29	2.08	13	-0.37	0.60	24	125.3
Lake Tekapo ..	2,350	52.4	33.6	43.0	(+0.9)	63.2	10	25.1	9	1.57	7	..	0.49	22	154.8
Fairlie ..	1,000	55.6	35.7	45.6	(+0.4)	64.5	19	21.8	29	1.94	10	..	0.65	23	130.2
Timaru ..	56	55.7	40.6	48.2	+0.2	68.2	26	30.0	29	1.45	11	-0.45	0.37	24	125.5
Waimate ..	200	56.4	40.6	49.5	+0.9	70.0	11	31.8	29	1.98	13	-0.19	0.48	2	109.9
Milford Sound ..	23	47.8	39.0	43.4	..	59.6	11	32.5	9	12.67	15	..	3.72	26	..
Queenstown ..	1,110	55.5	38.3	46.9	(+0.9)	62.2	19	30.6	28	1.25	10	-1.29	0.31	24	180.9
Ophir ..	1,000	56.3	34.5	45.4	+0.3	64.9	19	23.1	9	0.75	7	-0.35	0.17	24	..
Waipiata ..	1,550	53.6	35.3	44.1	+0.1	64.2	19	22.8	29	0.92	9	..	0.38	20	145.4
Alexandra ..	520	58.0	36.7	47.4	(+0.8)	68.3	2	26.0	9	0.35	6	(-0.34)	0.12	26	170.8
Manorburn Dam ..	2,448	48.6	32.1	40.4	(+1.2)	56.5	19, 20	22.8	28	0.80	12	-0.55	0.21	20	..
Dunedin ..	240	54.0	40.7	47.4	-1.4	65.5	11	32.5	9, 28	2.19	15	-0.56	0.58	24	94.3
Gore ..	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill ..	12	55.2	39.0	47.1	-0.5	68.0	10	30.0	9, 29	2.17	19	-1.07	0.41	26	131.7
LATE RETURN.															
Milford Sound, August, 1937	23	47.2	36.8	42.0	..	54.8	19	31.0	15	7.62	12	..	2.82	2	..

\* Whakarewarewa temperature means for 29 days only. † Chateau Tongariro temperature means for 27 days only. ‡ Massey College, Palmerston North, temperature means for 28 days only, and sunshine total for 26 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.