

On the 20th an anticyclone extended over New Zealand from the west and the weather was fine though cooler ; but under the influence of a depression from the South Tasman Sea conditions became unsettled in Westland during the 22nd. On the two succeeding days further substantial rain occurred in and west of the Alps, while north-westerly gales were blowing in many places from Taranaki and Wellington southward. There was little rain to the east but a southerly set in, bringing cold and showery conditions to most districts and some snow to the high country.

After a rapid but short-lived improvement the next disturbance arrived in the south on the 27th and intensified, with the result that north-westerly winds attained strong gale force about central New Zealand and over the South Island. Further extensive rain occurred in western districts, with heavy falls in the high country of the South Island as well as in parts of the North Island. The downpour in the southern lakes district resulted in damaging floods in Southland. From the 29th onward south-westerlies predominated and fine weather prevailed as New Zealand became enveloped by an anticyclone.

M. A. F. BARNETT, Director.

CLIMATOLOGICAL TABLE.

SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE FOR OCTOBER, 1940.

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.			
Te Pahi, Te Hapua ..	200	63.0	49.4	56.2	(-0.5)	68.0	16	38.0	7	6.83	13	..	3.04	3	199.8
Waipoua State Forest ..	225	63.5	46.9	55.2	+0.3	71.0	19	36.0	21	3.98	11	..	0.93	8	154.6
Riverhead ..	105	62.5	44.3	53.4	-0.3	69.0	18	32.2	6	3.89	13	..	0.88	8	..
Auckland ..	160	63.6	51.0	57.3	-0.1	71.0	18	45.2	5	3.35	11	-0.71	1.01	28	220.6
Maioro ..	172	62.1	47.8	55.0	..	66.4	1	36.0	27	4.76	12	..	1.92	8	..
Waihi ..	404	64.1	46.5	55.3	-0.5	72.0	1	35.0	6, 27	7.33	11	+0.03	3.26	8	203.1
Wharekawa Nursery, Whangamata	50	65.1	46.5	55.8	(-0.8)	71.0	24	57.0	27	5.65	10	..	1.51	28	..
Te Aroha ..	46	66.1	48.0	57.0	-0.3	78.0	17	36.0	27	5.71	10	+1.21	2.40	8	..
Tauranga ..	100	66.9	45.2	56.0	+0.0	76.0	16	35.0	27	6.82	12	+1.71	2.47	8	214.0
Ruakura Farm, Hamilton	131	63.4	44.8	54.1	-0.8	69.2	22	32.5	6	6.03	13	+1.93	2.15	8	189.5
Karamu ("Gore's Farm")	110	63.5	45.2	54.4	..	68.4	23	33.2	26	4.85	9	..	1.93	8	193.8
Rotoehu Plantation ..	235	64.0	43.4	53.7	(+0.3)	76.5	16	33.5	6	3.50	7	..	1.88	28	..
Rotorua ..	931	65.2	45.2	55.2	+1.0	76.1	16	35.5	6	3.80	9	-1.39	1.74	28	217.6
Whakarewarewa ..	1,000	64.2	44.1	54.2	+0.8	78.3	16	34.5	10	4.40	8	-1.12	1.62	28	..
Gisborne ..	25	65.1	46.2	55.6	(-0.4)	80.0	17	36.2	26	4.52	11	..	1.61	9	224.9
Onewoto, Lake Waikaremoana	2,110	56.4	42.1	49.2	(-1.3)	69.5	16	34.9	3	6.58	15	..	1.94	8	..
New Plymouth ..	190	59.2	47.6	53.4	-1.6	63.5	5	34.7	10	5.63	11	+0.17	2.28	27	188.1
Chateau Tongariro ..	3,670	52.4	33.5	43.0	(-0.2)	61.6	10	27.8	26	11.40	15	..	2.39	24	..
Karioi ..	2,125	57.7	35.7	46.7	-1.3	66.0	22	22.0	3	5.61	12	..	1.69	1	..
Napier ..	5	64.9	45.5	55.2	-1.4	82.8	16	36.5	26	2.20	6	+0.31	0.93	8	244.6
Hastings ..	45	67.2	42.5	54.8	-0.2	82.0	16	32.0	26	1.95	9	..	0.77	8	..
Tahape ..	2,157	56.6	41.3	49.0	-0.9	67.7	22	33.2	3	3.32	12	-0.18	1.32	1	..
Wanganui ..	72	61.4	46.7	54.0	(-1.5)	70.0	17	34.3	10	2.81	10	..	0.62	1	214.2
Tangimoana ..	8	61.0	47.5	54.2	-0.2	67.5	20	36.0	26	3.13	10	-0.26	0.72	28	..
Palmerston North ..	100	61.6	44.9	53.2	-1.2	69.0	22	33.0	10	2.91	13	-0.75	0.65	28	..
Massey College, P.N. ..	110	60.3	45.1	52.7	-1.3	67.5	22	34.6	26	2.98	14	-1.14	0.70	27	149.8
Pahiatua ..	384	60.1	42.7	51.4	-2.0	71.0	22	31.0	6	4.43	15	(-0.99)	1.08	28	..
Kapiti Island ..	44	58.4	48.3	53.4	-0.6	63.0	31	40.0	10	3.76	6	-0.18	1.09	27	..
Masterton ..	372	61.5	41.7	51.6	-2.5	68.1	15	30.1	26	2.69	11	-0.55	0.66	18	210.4
Wallaceville ..	195	59.3	42.5	50.9	..	66.9	22	29.0	10	6.14	14	..	2.03	27	193.6
Wellington ..	415	58.1	45.5	51.8	-1.2	64.6	20	37.0	10	4.20	14	(+0.69)	1.39	7	202.3
Nelson ..	24	61.8	44.9	53.4	-1.0	69.9	13	36.8	26	2.22	8	-1.28	0.76	27	241.2
Appleby, Nelson ..	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim ..	30	64.9	43.6	54.2	(-0.6)	76.1	16	31.5	10	2.51	8	(+0.27)	0.80	27	235.1
Golden Downs ..	900	61.0	39.1	50.0	-1.2	70.0	16	30.0	11	3.76	10	..	1.18	27	..
Waihopai ..	860	63.4	41.6	52.5	-0.6	74.6	15	29.0	9	3.22	8	..	1.00	27	..
Westport ..	23	57.5	47.2	52.4	(-0.4)	61.0	23, 24	42.0	10	8.18	18	..	2.78	17	164.1
Hanmer Springs ..	1,225	62.9	38.8	50.8	-0.2	78.3	23	27.9	3	5.08	8	+1.16	1.10	7	210.2
Balmoral ..	743	62.2	39.6	50.9	-1.6	75.2	22	28.0	12, 26	1.87	9	..	0.44	13	..
									30						
Hokitika ..	12	58.4	44.7	51.6	-0.6	63.0	11	34.0	9	10.01	20	-1.80	1.87	17	156.7
Lake Coleridge ..	1,220	61.1	41.5	51.3	-1.4	74.0	22	31.2	3	4.97	12	+2.04	0.93	7	..
Darfield ..	640	64.1	41.0	52.6	(+0.1)	77.0	16	30.1	11	1.45	8	..	0.62	7	..
Christchurch ..	22	63.1	44.4	53.8	+0.7	77.2	16	34.0	3	1.09	6	-0.88	0.69	7	223.2
Wigram Aerodrome, Sockburn	74	63.7	43.6	53.6	(+0.9)	76.9	13	34.9	3	1.15	5	..	0.65	7	..
Rudstone, Methven ..	1,217	59.5	42.5	51.0	-0.6	73.2	22	33.1	8, 9	3.30	13	-0.22	1.31	7	198.2
Lincoln ..	36	63.5	43.1	53.3	-0.1	78.0	23	31.0	5	0.99	5	-0.74	0.46	7	218.3
Akaroa (Onawe, Duvau-chelle's Bay)	150	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashburton ..	323	62.5	42.6	52.6	+0.7	78.2	16	28.5	20	1.13	6	-2.20	0.69	7	186.2
Lake Tekapo ..	2,350	59.9	36.9	48.4	+0.3	76.5	23	24.7	9	1.34	7	..	0.66	27	207.8
Jacksons Bay ..	22	..	44.0	..	..	..	..	38.2	9, 25	22.26	17	..	4.90	23	..
Fairlie ..	1,000	62.7	37.9	50.3	-0.1	80.0	15	28.3	26	2.18	8	..	1.41	7	187.0
Timaru ..	56	64.2	42.2	53.2	+0.3	81.0	24	34.6	10	0.94	9	-1.04	0.65	7	216.5
Waimate ..	200	63.3	41.4	52.4	+0.2	82.0	16	34.2	10	0.72	6	-1.39	0.45	7	172.7
Milford Sound ..	20	57.0	41.9	49.4	(-0.4)	65.6	1	34.6	9	41.36	21	..	8.45	27	..
Queenstown ..	1,110	59.5	40.3	49.9	-0.9	74.6	15	33.4	1, 9	5.97	8	+2.66	2.63	27	216.0
Ophi ..	1,000	61.6	37.9	49.8	-1.0	72.7	21	27.0	9	1.54	6	+0.10	0.75	27	..
Waipiata ..	1,550	59.6	37.4	48.5	-0.8	71.3	15	26.6	9	0.80	7	..	0.26	7, 27	212.4
Alexandra ..	520	63.4	41.3	52.4	-0.2	76.0	22	31.0	9	1.21	6	-0.06	0.62	27	205.7
Manorburn Dam ..	2,448	54.7	33.3	44.0	+0.1	69.5	15	24.0	9	0.88	8	-1.03	0.42	27	..
Dunedin ..	240	60.8	43.2	52.0	+0.0	76.8	15	34.1	9	0.69	9	-2.40	0.22	6	..
Dunedin (Beta Street Reservoir)	690	58.6	43.0	50.8	..	74.0	15	35.7	14	0.86	9	..	0.20	6, 7	174.9
Invercargill ..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill (City Engineer)	10	58.4	42.5	50.4	..	70.2	22	33.2	1, 9, 12	3.60	19	..	0.89	24	..

LATE RETURN.

Invercargill, Sept., 1940	12	57.1	39.2	48.2	+0.8	68.0	19	28.0	4, 5	3.02	18	-0.22	0.55	9	145.2
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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.