

On the 16th a belt of high pressure was advancing on to the north-west Tasman Sea, on the 22nd it crossed northern New Zealand, and by the end of the month the anticyclonic centre was not far distant to the north-east. Hence, during this period, there was a predominance of winds from the westerly quarter, with directions turning temporarily south of west after the passage of troughs which arrived in the far south on the 19th, 23rd, and late on the 27th. There was comparatively little rain, the weather being mainly fair to cloudy, but the last of these disturbances was connected with vigorous depressions centred near Chatham and Lord Howe Islands. It produced heavy rain in the northern portion of the South Island, and by the close of the month general rain was setting in over the North Island.

M. A. F. BARNETT, Director.

CLIMATOLOGICAL TABLE.

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

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.	°F.	°F.	In.		In.			
Te Pahi, Te Hapua ..	200	62.0	45.2	53.6	(-0.7)	68.5	27	35.0	4	2.34	10	..	0.86	30	209.1
Waipoua State Forest..	225	61.4	42.2	51.8	-0.4	71.0	29	34.0	5	4.18	13	..	1.60	30	186.7
Riverhead ..	105	60.9	41.2	51.0	+0.3	68.5	30	28.5	12	2.75	14	..	0.96	30	..
Auckland ..	160	61.2	49.0	55.1	+0.7	67.0	30	42.2	13	2.86	13	-1.19	1.26	30	217.2
Maioro ..	172	60.2	46.3	53.2	..	65.9	29	33.0	13	2.23	14	..	0.65	8	..
Waihi ..	404	60.9	45.9	53.4	+1.5	70.5	30	30.0	12, 13	3.63	13	-3.22	1.11	30	173.8
Wharekawa Nursery, Whangamata	50	63.4	45.2	54.3	(+1.4)	73.5	30	33.0	23	2.60	11	..	1.06	30	..
Te Aroha ..	46	62.6	45.3	54.0	+0.8	67.0	30	29.0	23	2.06	12	-2.92	0.66	30	..
Tauranga ..	100	63.7	45.2	54.4	+2.0	73.2	30	33.5	13	3.02	10	-1.27	1.00	30	189.0
Ruakura Farm, Hamilton	131	61.5	40.8	51.2	-0.3	69.7	12	27.0	13	2.29	15	-1.46	1.02	30	149.9
Karamu ("Gore's Farm")	110	61.2	40.8	51.0	..	65.4	17	27.5	12	4.19	13	..	1.65	30	155.7
Rotoehu Plantation ..	235	61.0	40.2	50.6	(+0.9)	68.2	20	30.2	13	4.29	10	..	1.49	4	..
Rotorua ..	931	61.8	43.1	52.4	+2.0	69.5	23	32.3	13	2.86	12	-2.11	0.73	30	161.9
Whakarewarewa ..	1,000	61.0	40.9	51.0	+1.6	70.0	26	33.2	8	2.63	10	-1.89	0.67	4	..
Gisborne ..	25	61.8	44.6	53.2	(+1.4)	71.5	20	34.8	18	2.27	11	..	0.60	7	174.2
Onepoto, Lake Waikaremoana	2,110	54.4	41.1	47.8	(+2.2)	67.7	27	34.3	18	5.42	20	..	0.81	10	..
New Plymouth ..	190	58.1	47.3	52.7	+0.7	62.0	30	34.3	14	5.40	18	+0.48	1.31	30	169.8
Chateau Tongariro ..	3,670	48.5	33.2	40.8	(+1.7)	57.1	24	23.1	10	4.70	16	..	1.31	30	..
Karioi ..	2,125	54.6	35.3	45.0	+1.9	60.3	30	23.0	22	2.73	16	..	0.99	10	..
Napier ..	5	61.4	44.1	52.8	+1.2	78.2	30	33.5	18	1.94	12	+0.01	0.61	30	176.0
Hastings ..	45	63.4	42.0	52.7	+2.7	78.0	30	30.0	18	3.79	11	..	1.38	30	..
Taihape ..	2,157	54.6	40.7	47.6	+2.0	62.8	30	30.0	12	3.20	16	+0.16	1.15	1	..
Wanganui ..	72	59.2	47.1	53.2	(+2.0)	66.7	30	34.2	12	1.55	15	..	0.56	30	161.4
Tangimoana ..	8	59.5	47.8	53.6	+3.0	64.0	8, 21, 30	33.0	12	1.53	12	-1.10	0.31	30	..
Palmerston North ..	100	59.0	44.5	52.2	+1.4	65.0	1, 30	30.0	12	1.83	16	-1.10	0.46	10	..
Massey College, P.N. ..	110	58.3	46.0	52.2	+2.1	65.3	30	31.3	12	1.77	19	-1.54	0.33	10	101.0
Pahiatua ..	384	58.0	44.7	51.4	+2.0	63.0	30	32.0	22	3.26	21	(-1.01)	0.68	7	..
Kapiti Island ..	44	56.6	47.7	52.2	+0.7	61.0	30	42.0	14, 17, 22	3.06	13	-0.24	0.88	10	..
Masterton ..	372	59.1	41.0	50.0	+0.6	64.7	26	29.4	18	4.08	16	+1.08	1.53	7	167.2
Wallaceville ..	195	58.2	43.1	50.6	..	63.0	9, 28	31.0	14	2.55	10	..	0.85	10	151.4
Wellington ..	415	57.1	46.1	51.6	+1.5	63.7	25	39.8	22	4.15	15	(+0.95)	1.44	10	155.0
Nelson ..	24	60.9	44.6	52.8	+2.6	72.0	25	38.0	17	2.63	13	-0.95	0.61	4	193.1
Appleby, Nelson ..	57	60.5	45.0	52.8	(+2.9)	72.5	25	36.7	17	3.14	11	..	0.93	4	..
Blenheim ..	30	61.1	42.2	51.6	(+1.5)	74.5	24	33.0	12	3.08	10	+0.83	0.79	30	177.4
Golden Downs ..	900	57.9	38.9	48.4	+1.8	68.0	25	29.2	17	3.52	15	..	0.82	4	..
Waihopai ..	860	60.6	40.2	50.4	+2.2	72.6	25	32.2	17	3.44	10	..	0.75	4	..
Westport ..	23	56.2	46.4	51.3	(+1.2)	59.0	12	38.0	17	5.83	22	..	1.60	29	112.2
Hanmer Springs ..	1,225	57.7	37.4	47.6	+1.4	70.0	20	22.5	17	5.08	14	+0.65	0.78	15	131.1
Balmoral ..	743	57.0	38.5	47.8	+0.0	69.0	25	23.0	17	3.88	14	..	1.02	5	..
Hokitika ..	12	57.5	44.2	50.8	+1.7	61.5	8	34.0	17	7.66	21	-1.36	3.03	29	114.4
Lake Coleridge ..	1,220	57.0	38.9	48.0	+0.6	71.0	19	27.0	17	3.69	11	+0.58	1.79	29	..
Darfield ..	640	57.1	38.6	47.8	(+0.0)	72.4	23	29.0	17	6.60	14	..	2.36	6	..
Christchurch..	22	54.9	42.7	48.8	+0.1	70.9	23	29.2	17	4.56	10	+2.63	1.57	6	141.0
Wigram Aerodrome, Sockburn	74	55.9	42.3	49.1	(+0.6)	71.7	23	29.1	17	4.15	9	..	1.35	6	..
Rudstone, Methven ..	1,217	54.2	39.6	46.9	-0.1	67.9	24	32.1	16	6.59	16	+3.15	1.90	6	152.1
Lincoln ..	36	57.0	41.7	49.4	+0.4	73.0	23	31.0	12, 17	3.80	12	+1.92	1.52	6	132.9
Akaroa (Onawe, Duvau-chelle's Bay)	150	56.4	43.6	50.0	(-0.1)	71.3	23	33.1	17	5.59	16	..	2.50	6	138.2
Ashburton ..	323	56.8	39.7	48.2	+1.5	71.6	24	31.1	17, 22	5.60	14	+3.15	2.31	6	147.0
Lake Tekapo ..	2,350	55.6	34.2	44.9	+2.6	67.8	25	25.2	4	1.23	5	..	0.61	29	156.0
Jacksons Bay ..	22	55.8	42.7	49.2	(-0.1)	63.0	6	37.0	4, 21	17.66	15	..	4.09	22	..
Fairlie ..	1,000	56.9	37.8	47.4	+2.4	72.5	24	27.0	17	3.23	11	..	1.26	6	147.0
Timaru ..	56	55.6	41.2	48.4	+0.6	70.0	23	31.2	17	4.36	12	+2.46	2.02	6	126.5
Waimate ..	200	55.8	41.1	48.4	+0.5	71.0	19	30.5	17	3.41	14	+1.24	1.40	6	126.2
Milford Sound ..	20	55.1	39.5	47.3	(+1.2)	61.2	30	34.0	4, 12	19.16	17	..	5.50	22	..
Queenstown ..	1,110	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ophir ..	1,000	57.2	35.3	46.2	+1.2	67.5	25	21.5	4	1.18	6	+0.08	0.33	29	..
Waipiata ..	1,550	55.4	35.0	45.2	+1.1	71.2	28	23.8	4	1.06	6	..	0.44	30	162.5
Alexandra ..	520	59.0	37.6	48.3	+1.7	70.2	24	25.0	4	0.69	6	(+0.00)	0.34	14	175.8
Manorburn Dam ..	2,448	50.3	31.3	40.8	+1.1	61.0	24	19.5	4	0.85	8	-0.50	0.24	26	..
Dunedin ..	240	56.1	41.2	48.6	+0.0	68.7	19	31.5	4	1.31	16	-1.44	0.27	6	140.8
Invercargill ..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill (City Engineer)	10	56.7	39.7	48.2	..	68.2	8	27.2	5	2.77	16	..	0.46	9	..

LATE RETURN.

Chateau Tongariro, Aug., 1940	3,670	46.2	31.1	38.6	+1.7	53.7	4	22.3	5	2.62	8	..	0.73	16	..
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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.