

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of April, 1917. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in inches to last 45°.	From Self-registering Instruments for Twenty-four Hours previously.						Solar Radiation.	Terrestrial Radiation.	Veloc. Wind in Miles.	Amount of Cloud, 0 to 10.	Direction of Wind.	Rainfall, in Points (100 to 1 Inch).
		Max. Temp. in Shade.	Min. Temp. in Shade.	Mean Temp. in Shade.	Fah.	Fah.	Fah.						
1	29.537	68.0	62.5	65.2	136.0	58.0	510	10	W	..	..	..
2	29.527	67.0	59.7	63.3	111.0	54.6	281	0	N.W.	..	..	..
3	29.892	68.3	45.1	56.7	122.0	33.0	91	0	Calm	..	..	..
4	30.181	66.2	46.2	56.2	120.0	35.4	151	10	N.W.	3	3	..	
5	30.155	64.7	59.3	62.0	125.0	54.2	300	10	N.	2	2	..	
6	30.182	65.2	60.8	63.0	106.0	56.8	283	10	N.	..	..	..
7	30.435	66.4	61.9	64.2	111.0	56.7	256	9	N.	..	..	..
8	30.367	72.2	53.2	62.7	127.0	45.0	89	8	N.	..	..	..
9	30.188	70.2	61.4	65.8	141.0	56.8	232	9	NNW	..	..	..
10	30.066	67.2	63.2	65.2	123.0	59.3	238	10	NNW	129	..	..
11	30.164	68.9	58.2	63.5	133.0	55.5	239	10	S.	8	8	..	
12	30.348	61.9	58.8	60.3	82.0	55.5	159	10	Calm	1	1	..	
13	30.270	68.0	60.0	64.0	111.0	53.0	34	10	N.	2	2	..	
14	30.046	69.7	64.0	66.8	114.0	59.2	291	10	N.W.	81	81	..	
15	29.982	66.9	63.9	65.4	110.0	59.7	530	10	N.	16	16	..	
16	29.928	65.3	60.3	62.8	90.0	55.8	311	10	NNW	3	3	..	
17	29.867	63.3	51.2	57.2	109.0	39.3	258	0	N.	23	23	..	
18	30.150	66.0	52.3	59.2	119.0	47.8	209	9	S.	24	24	..	
19	30.504	58.3	51.5	54.9	122.0	48.0	417	9	S.	..	..	..
20	30.481	59.4	44.1	51.7	118.0	31.9	97	8	S.E.	..	..	..
21	30.494	61.2	49.4	55.3	115.0	40.7	182	8	Calm	..	..	..
22	30.374	66.8	43.6	55.2	118.0	31.0	53	7	Calm	..	..	..
23	30.372	60.3	53.6	56.9	115.0	47.1	234	5	S.E.	17	17	..	
24	30.181	60.2	47.1	53.6	119.0	35.1	90	10	Calm	60	60	..	
25	29.978	61.0	52.6	56.8	103.0	49.1	65	10	S.	13	13	..	
26	29.956	56.2	44.2	50.2	94.0	31.7	148	9	Calm	..	..	..
27	30.048	64.2	46.2	55.2	128.0	32.1	49	0	Calm	..	..	..
28	29.919	66.8	49.7	58.2	115.0	38.8	23	10	N.	..	..	..
29	29.613	65.0	58.0	61.5	130.0	55.0	315	7	N.	88	88	..	
30	29.657	64.8	49.9	57.3	126.0	46.3	291	10	S.	16	16	..	
*	30.092	65.0	54.4	59.7	116.4	47.4	216	7.9	..	..	..	486
†	30.044	62.7	51.2	56.9	106.7	43.9	230	..	..	..	..	4.02

* Means, &c. † Means previous years.

DIRECTION OF WIND.							
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
12	2	5	..	1	3
							7

NOTE.—A cloudy and showery month, with barometric pressure, temperatures and rainfall well above the mean of previous years. Total bright sunshine, 114 hours 48 minutes, and four sunless days. Frost was recorded on the grass on three mornings. Mean earth-temperature at 1 ft. was 60.5°, and 62.5° at 3 ft. Mean dew-point, 52.6°; mean elastic force of vapour, 0.397 in.; and mean relative humidity, 77 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.

April, 1917.

Altitude above Sea-level.	Name of Station and Observer.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	62.5	66.9	58.2	981	24
46	TE AROHA .. G. F. McGirr	58.6	69.8	47.4	489	15
925	ROTORUA .. S. R. Edwards	59.0	67.0	51.0	450	..
340	WAIHI .. P. A. Clifford	59.6	68.1	51.8	859	23
..	TAURANGA .. C. J. Butcher	60.1	68.3	52.0	597	20
160	NEW PLYMOUTH .. W. W. Smith	60.5	68.6	52.4	738	20
250	MOUMAHAKI .. T. W. Lonsdale	58.5	66.6	50.4	368	14
2080	TAIHAPE .. A. R. Fanning	55.8	63.1	48.6	572	12
100	PALMERSTON NORTH .. J. E. Vernon	58.7	66.9	50.6	463	13
186	GREYTOWN .. W. C. Davies	57.7	66.7	48.8	269	13
377	MASTERTON .. Wm. Hood	59.7	70.0	49.5	334	13
70	GREENMEADOWS, NA-PIER T. B. McBreen	63.2	71.2	55.2	225	7
10	WELLINGTON ..	59.7	65.0	54.4	486	16
	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	
34	NELSON .. J. R. Dart	59.7	66.9	52.5	327	11
1220	HANMER SPA .. Miss M. Stewart	54.5	64.3	44.8	343	9
25	CHRISTCHURCH .. H. F. Skey	56.5	64.1	48.8	263	12
42	LINCOLN .. L. J. Wild	56.3	65.8	46.8	150	11
..	RAKAI .. Miss A. Hardy	56.1	65.1	47.2	282	9
130	TIMARU .. Caretaker of Domain	55.0	62.8	47.2	146	8
200	WAIMATE .. F. Akhurst	54.4	62.8	46.1	165	8
300	DUNEDIN .. D. Tannock	53.7	60.8	46.7	102	14
245	GORE .. H. Dolamore	51.9	60.9	42.9	189	13
12	HOKITIKA .. F. T. Sandford	56.9	63.3	50.6	1111	19
12	INVERCARGILL .. L. Lennie	51.6	60.0	43.2	282	17

SUMMARY FOR THE MONTH OF APRIL, 1917.

The rainfall during April was abundant in the Auckland Province and in all districts with a westerly aspect. A deficiency occurred in Hawke's Bay and also on the east coast and southernmost districts of the South Island.

The principal disturbances were of the westerly type, with lowest atmospheric pressure passing southwards of New Zealand. Of these, one ruling between the 1st and 2nd, and another between the 13th and 17th, were somewhat intense, and resulted in stormy conditions in many parts of the Dominion.

Minor depressions of this character also passed on the 5th, 8th, and 28th.

From the 22nd to the 26th, although an anticyclone was centered in the south, relatively low pressure ruled to the northwards, causing high easterly winds and considerable rainfall in the northernmost districts.

The weather generally was changeable, but temperatures were mild, except towards the close of the month, when very cold conditions brought a reminder of approaching winter.

D. C. BATES, Director.