

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of April, 1918. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to last 49.	From Self-registering Instruments for Twenty-four Hours previously.							Direction of Wind.	Rainfall, in Points (100 to 1 inch).
		Max. Temp. in Shade.	Min. Temp. in Shade.	Mean Temp. in Shade.	Solar Radiation.	Terrestrial Radiation.	Veloc. Wind in Miles.	Amount of Cloud, 0 to 10.		
1	29.897	62.8	56.6	59.7	96.0	55.6	89	10	N.E.	23
2	30.091	64.2	56.8	60.5	119.0	49.9	162	5	S.E.	9
3	30.202	68.3	54.4	61.3	137.0	47.1	27	9	NNE	..
4	30.151	67.6	57.2	62.4	135.0	51.4	139	1	N.E.	11
5	29.975	68.9	56.6	62.7	131.0	52.5	138	9	Calm	11
6	29.855	65.1	56.9	61.0	125.0	55.0	314	9	NNW	83
7	29.579	65.8	61.4	63.6	145.0	58.0	708	10	NNW	15
8	29.861	65.6	59.9	62.7	123.0	56.0	482	9	WNW	52
9	29.846	64.0	54.4	59.2	113.0	52.5	187	10	NNW	19
10	29.768	61.5	55.4	58.4	109.0	47.4	356	0	NNW	..
11	29.854	65.7	49.0	57.3	135.0	38.2	191	9	S.E.	..
12	29.988	61.0	47.8	54.4	92.0	34.9	234	9	S.E.	1
13	30.122	57.6	48.8	53.2	98.0	38.6	152	5	N.E.	..
14	30.282	65.9	44.8	55.7	133.0	34.0	78	1	N.E.	..
15	30.260	64.0	45.2	54.6	118.0	34.1	72	7	N.	..
16	30.207	63.6	58.4	61.0	127.0	54.9	332	10	N.W.	11
17	30.228	64.1	59.0	61.5	116.0	57.5	370	6	N.W.	Trace
18	30.098	64.9	59.5	62.2	129.0	57.2	327	8	NNW	..
19	29.980	66.7	53.4	60.0	130.0	44.3	112	10	N.E.	6
20	30.066	64.8	53.2	59.0	111.0	51.3	321	10	S.E.	1
21	29.986	57.0	52.1	54.5	103.0	49.4	332	10	S.	..
22	29.890	57.8	41.2	49.5	113.0	29.8	136	6	N.	2
23	30.016	61.4	45.1	53.2	132.0	33.2	144	9	S.E.	..
24	29.883	64.0	55.0	59.5	116.0	47.2	224	0	N.	..
25	30.225	68.7	49.9	59.3	122.0	39.2	291	9	S.	..
26	30.239	54.9	42.9	48.9	118.0	29.1	126	10	N.	..
27	30.163	61.0	48.1	54.5	119.0	37.8	53	7	N.	..
28	29.878	62.9	54.9	58.9	124.0	51.0	252	1	N.	61
29	29.441	64.9	59.2	62.0	119.0	54.9	446	6	N.W.	31
30	29.341	61.2	50.3	55.7	111.0	46.6	316	4	WNW	17
*	29.979	63.5	52.9	58.2	119.3	46.3	237	6.9	..	353
†	30.044	62.7	51.1	56.9	106.7	43.9	230	399

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
12	5	..	5	2	..	2	3	1

NOTE.—The weather during the month has been somewhat cloudy and showery, with temperatures above the mean of previous years. Total bright sunshine, 127 hours 10 minutes, and one sunless day. Two frosts were recorded on the grass. Mean earth temperature at 1 ft. was 59.6°, and 61.3° at 3 ft. Mean dew-point, 51.4°; mean elastic force of vapour, 0.379 in.; and mean relative humidity, 78 per cent. of saturation.

CLIMATOLOGICAL TABLE. MEANS AND TOTALS FROM THE CHIEF STATIONS.

April, 1918

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. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 62.8	Deg. 68.3	Deg. 57.4	Points. 496	Dy. 18
46	TE AROHA .. G. F. McGirr	56.0	67.0	45.0	560	21
925	ROTORUA .. W. Penno	55.5	61.8	49.3	630	13
340	WAIHI .. P. A. Clifford	59.6	68.5	50.8	667	24
..	TAURANGA .. C. J. Butcher	58.7	67.6	49.9	509	23
160	NEW PLYMOUTH .. W. W. Smith	60.6	68.9	52.3	905	21
250	MOUTAHAKI .. T. W. Lonsdale	57.0	66.2	47.8	614	15
2080	TAIHAPE .. A. R. Fannin	53.2	61.0	45.4	402	15
100	PALMERSTON NORTH .. J. E. Vernon	56.8	65.2	48.4	358	13
186	GREYTOWN .. W. C. Davies	55.5	64.8	46.2	285	10
377	MASTERTON .. Wm. Hood	57.0	68.2	45.9	240	18
70	GREENMEADOWS, NAPIER T. B. McBreen	59.8	67.7	51.9	186	9
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy.	56.5	64.5	48.6	489	8
10	WELLINGTON ..	58.2	63.5	52.9	353	16
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne.	63.2	72.2	54.3	694	8
34	NELSON .. J. R. Dart	58.8	66.4	51.2	447	9
1220	HANMER SEA Miss M. Stewart	52.3	61.3	43.4	395	15
25	CHRISTCHURCH .. H. F. Skey	53.4	61.7	45.0	87	10
42	LINCOLN .. L. J. Wild	53.9	64.3	43.5	79	7
1220	KISSELTON .. A. R. Blackwood	50.6	60.2	41.1	179	8
..	RAKATA .. Miss A. Hardy	52.8	63.2	42.5	110	6
130	TIMARU .. Caretaker of Domain	53.5	62.1	44.9	122	11
200	WAIMATE .. F. Akhurst	52.0	60.4	43.7	55	10
300	DUNEDIN .. D. Tannock	51.8	58.5	45.2	205	7
245	GORE .. H. Dolamore	49.4	57.8	40.9	454	19
12	HOKITIKA .. W. H. Fleming	55.5	61.7	49.3	1026	21
12	INVERCARGILL .. L. Lennie	51.0	58.7	43.3	486	22

SUMMARY FOR THE MONTH OF APRIL, 1918.

In the east-coast districts southwards of Napier the total rainfall for April was rather below the average, and in Canterbury it was considerably so. The remaining portion of the Dominion recorded an excessive rainfall, the greatest departure above the mean being in that portion of the North Island northwards of Wanganni and Gisborne.

Both Hawke's Bay and Canterbury experienced fair and mild though somewhat dull weather, while generally elsewhere, as the records show, showery conditions were the rule.

The most unsettled periods were between the 5th and 10th, and the 28th and 30th, both being due to intense areas of westerly low pressure.

About the 9th and 10th some extremely heavy rains were experienced in the Bay of Plenty district, apparently the result of a secondary "low" which also accounted for severe thunderstorms. The Town of Opotiki reported a serious flood on the 9th, the rainfall on that date at Opotiki being 9.5 inches for the twenty-four hours.

D. C. BATES, Director