

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of April, 1920. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	From Self-registering Instruments, for Twenty-four Hours previously.				Solar Radiation.	Terrestrial Radiation.	Valoc. 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.						
1	30-183	68.3	55.3	61.8	119.0	44.9	115	2	NNW	..	
2	30-221	67.4	58.5	62.9	123.0	53.4	262	2	N.W.	..	
3	30-201	69.3	48.5	58.9	124.0	35.8	100	10	N.E.	..	
4	30-193	61.9	57.8	59.8	112.0	54.6	239	3	NNE	..	
5	30-203	64.9	58.5	61.7	127.0	55.2	286	9	NNW	..	
6	30-139	63.5	58.1	60.8	133.0	55.0	432	2	NNW	..	
7	29-955	68.0	55.0	61.5	123.0	46.0	180	9	NNW	194	
8	29-801	70.0	49.4	59.7	141.0	48.2	327	10	SSW	135	
9	30-088	51.7	48.2	49.9	80.0	46.6	639	10	SSW	43	
10	30-063	51.5	48.0	49.7	58.0	46.0	357	10	S.	18	
11	29-922	57.4	51.8	54.6	79.0	50.2	186	8	N.W.	Trace	
12	29-862	60.8	55.9	58.3	102.0	53.0	266	7	N.W.	12	
13	29-924	62.4	50.2	56.3	123.0	45.9	285	10	SSE	Trace	
14	30-159	57.9	47.5	52.7	120.0	37.4	278	8	S.	..	
15	30-281	61.3	38.3	49.8	106.0	36.8	53	1	Calm	..	
16	30-345	63.0	55.2	59.1	119.0	47.2	204	10	NNW	..	
17	30-343	63.9	58.5	61.2	127.0	53.9	296	8	N.	35	
18	30-101	64.9	58.1	61.5	119.0	55.9	343	10	N.	68	
19	29-884	64.9	59.5	62.2	78.0	58.1	486	10	NNW	39	
20	29-910	62.0	52.6	57.3	87.0	48.8	376	7	ENE	6	
21	29-962	61.3	49.5	55.4	120.0	46.6	287	8	SSE	11	
22	30-186	57.1	49.3	53.2	102.0	43.2	370	3	SSE	..	
23	30-126	60.6	48.6	54.6	111.0	33.2	105	7	NNE	..	
24	30-015	60.0	56.1	58.0	112.0	52.8	470	10	NNW	..	
25	30-096	62.5	58.3	60.4	111.0	56.8	482	9	NNW	5	
26	30-001	62.5	57.0	59.7	112.0	54.2	291	8	NNW	74	
27	29-462	64.7	56.3	60.5	125.0	54.3	416	10	NNW	220	
28	29-980	62.0	46.1	54.0	82.0	44.0	538	9	S.	7	
29	30-098	50.9	43.9	47.4	102.0	35.6	236	10	SSW	10	
30	30-080	52.8	49.6	51.2	77.0	45.8	259	10	SSE	..	
*	30-059	61.6	52.6	57.1	108.5	48.0	306	7.7	..	877	
†	30-044	62.8	51.3	57.0	106.7	44.0	230	..	..	389

* Means, &c. † Means previous years.

DIRECTION OF WIND.

	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
14	1	1	..	10	..	..	3	1	

NOTE.—A wet month, with cloudy skies and strong northerly winds prevailing. Precipitation was 125 per cent. above the mean of previous years, being the heaviest fall recorded for April (8.77 inches) since 1896, when 12.15 inches were measured. Total bright sunshine, 110 hours 1 minute, and seven sunless days. Hail fell on the 28th. The mean earth-temperature at 1 ft. was 58.4°, and 60.1° at 3 ft. Mean dew-point 50.2°; mean elastic force of vapour, 0.364 inches; and mean relative humidity, 78 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
April, 1920.

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 Rai (4 Point or more)
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	60.3	65.6	55.0	612	13
46	TE AROHA .. G. F. McGirr	59.4	68.6	50.2	679	9
925	ROTORUA .. L. Bayfield	60.5	74.4	46.7	730	10
340	WAIHI .. P. A. Clifford	56.7	66.7	46.7	893	14
..	TAURANGA .. C. J. Butcher	57.1	66.6	47.6	737	13
160	NEW PLYMOUTH .. W. W. Smith	59.9	66.4	53.5	612	7
250	MOUMAHAKI .. T. W. Lonsdale	57.8	68.7	46.9	527	12
2080	TAIHAPE .. A. R. Fannin	52.6	59.5	45.7	282	11
100	PALMERSTON NORTH .. J. A. Colquhoun	55.0	63.8	46.2	365	11
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	..	..	..	438	10
186	GREYTOWN .. T. W. Bowman	..	..	..	..	..
377	MASTERTON .. Wm. Hood	55.9	68.2	43.6	415	12
70	GREENMEADOWS, NA-PIER T. B. McBreen	58.3	67.3	49.4	137	7
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	55.6	63.3	47.9	680	9
10	WELLINGTON .. Ven. Archdeacon Kempthorne	57.1	61.6	52.6	877	15
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	55.8	64.1	47.6	560	12
34	NELSON .. J. Williams	57.2	63.3	51.2	658	13
1220	HANMER SPA .. G. J. O'Brien	52.8	62.4	43.3	650	17
25	CHRISTCHURCH .. H. F. Skey	54.9	62.0	47.9	216	11
42	LINCOLN .. L. J. Wild	53.8	64.3	43.3	187	12
1220	KISSELTON .. A. R. Blackwood	53.2	61.3	45.2	472	9
..	RAKAIA .. Miss A. Hardy	53.7	63.6	43.8	226	12
130	TIMARU .. Caretaker of Domain	54.2	63.1	45.3	147	12
200	WAIMATE .. F. Akhurst	53.4	62.5	44.3	86	11
300	DUNEDIN .. D. Tannock	53.5	61.6	45.5	147	8
245	GORE .. A. T. Newman	52.5	61.4	43.6	512	15
12	HOKITIKA .. J. A. Chesney	54.2	59.3	49.1	2132	17
12	INVERCARGILL .. L. Lennie	52.0	61.1	42.9	465	13

SUMMARY FOR THE MONTH OF APRIL, 1920.

April proved a dull and wet month, most parts of the Dominion experiencing a total rainfall considerably above the mean of previous years. The Gisborne and Hawke's Bay districts, and scattered places on the Canterbury Plains, were the only parts recording a deficiency.

During the first six days anticyclonic pressure dominated, and fine weather prevailed generally. On the 7th and 8th a small westerly disturbance ruled in conjunction with a depression in the North, and a severe southerly gale raged about Cook Strait. Considerable rain also fell, especially over the North Island. Westerly low-pressure areas were somewhat frequent, though not of marked intensity, and were responsible for copious rainfall, particularly in districts having a westerly aspect.

D. C. BATES, Director.