

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of April, 1919. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 49°.	From Self-registering Instruments, for Twenty-four Hours previously.					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.	Solar Radiation.	Terrestrial Radiation.			
1	30-331	62.4	56.2	59.3	123.0	51.8	334	0 NNW	6
2	30-059	67.5	58.4	62.9	125.0	55.2	384	9 N.	6
3	29-847	64.0	57.4	60.7	143.0	54.7	368	10 N.	110
4	30-001	63.4	52.2	57.8	93.0	51.1	285	9 S.	..
5	30-036	58.3	49.3	53.8	109.0	41.5	112	9 N.	..
6	30-073	65.3	56.0	60.6	128.0	49.8	224	6 NNW	..
7	30-155	61.5	57.7	59.6	132.0	53.3	472	10 N.W.	12
8	30-096	62.7	59.9	61.3	111.0	58.0	487	7 N.W.	4
9	30-018	65.3	56.3	60.8	132.0	55.3	472	10 N.	..
10	30-128	62.4	49.5	55.9	133.0	45.0	346	9 S.	..
11	30-345	55.5	38.5	47.0	113.0	26.6	253	9 N.	..
12	30-177	59.4	51.0	55.2	126.0	45.1	260	2 N.	..
13	30-042	59.9	51.8	55.8	127.0	48.0	308	6 N.E.	..
14	29-940	61.6	51.3	57.9	126.0	49.3	279	3 N.	13
15	29-986	63.7	48.8	56.2	122.0	42.2	294	10 S.	1
16	29-918	55.0	38.2	46.6	93.0	26.3	255	7 N.W.	26
17	30-084	59.5	44.1	51.8	122.0	42.5	418	10 S.	..
18	29-829	54.5	38.9	46.7	123.0	27.5	306	3 NNW	1
19	29-989	58.0	46.8	52.4	124.0	44.0	376	10 SSE	..
20	29-952	59.8	43.4	51.6	126.0	30.4	165	4 NNW	..
21	29-699	62.0	56.8	59.4	119.0	52.1	322	10 N.W.	2
22	29-687	60.5	49.1	54.8	95.0	47.0	334	8 SSE	..
23	29-879	59.8	43.0	51.4	114.0	31.4	106	8 N.E.	..
24	29-806	60.0	53.0	56.5	120.0	46.8	366	10 S.W.	13
25	30-338	58.4	39.8	49.1	92.0	27.5	234	1 S.E.	..
26	30-213	57.3	51.1	54.2	115.0	46.0	279	2 N.	..
27	30-201	59.4	52.8	56.1	116.0	45.8	245	0 NNE	2
28	30-108	63.4	56.0	59.7	115.0	30.2	353	10 NNW	3
29	30-490	58.6	42.4	50.5	96.0	29.8	175	0 N.E.	..
30	30-529	62.1	40.1	51.1	112.0	28.0	60	4 N.	..
*	30-062	60.7	49.7	55.2	117.5	42.7	296	6.5	193
†	30-044	62.7	51.2	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.
15	3	..	1	6	1	..	4	..

NOTE.—The weather during the month has been bright and sunny, with rainfall considerably below the mean of previous years. Total bright sunshine, 147 hours 30 minutes; and one sunless day. Frost was recorded on the grass on nine mornings. Mean earth temperature at 1 ft. was 57.4°, and 59.5° at 3 ft. Mean dew-point, 47.8°; mean elastic force of vapour, 0.333 in.; and mean relative humidity, 76 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

April, 1919.

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	58.4	65.0	51.8	112	15
46	TE AROHA .. G. F. McGirr	54.5	63.8	45.2	80	8
925	ROTORUA .. J. R. Cummins	53.4	64.5	42.3	69	4
340	WAIHI .. P. A. Clifford	55.0	66.2	43.9	72	11
..	TAURANGA .. C. J. Butcher	..	66.9	43.3	65	3
160	NEW PLYMOUTH .. W. W. Smith	59.0	66.0	52.1	352	10
250	MOUMAHAKI .. T. W. Lonsdale	..	..	..	..	..
2080	TAIHAPE .. A. R. Fannin	49.3	57.4	41.3	104	14
100	PALMERSTON NORTH .. J. A. Colquhoun	53.6	62.9	44.3	88	7
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	53.7	61.4	46.0	89	13
186	GREYTOWN .. W. C. Davies	52.9	64.4	41.4	331	8
377	MASTERTON .. Wm. Hood	53.5	68.3	38.8	130	9
70	GREENMEADOWS, NA-PIER T. B. McBreen	55.8	66.5	45.2	68	4
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	..	..	..	..	..
10	WELLINGTON .. Ven. Arohdeacon Kempthorne	55.2	60.7	49.7	193	12
..	SOUTH ISLAND.	..	..	..	..	..
..	BRIGHTWATER .. J. R. Dart	55.9	65.9	45.9	54	6
34	NELSON .. Miss M. Stewart	55.2	64.5	46.0	53	5
1220	HANMER SPA .. H. F. Skey	51.8	63.3	40.3	205	10
25	CHRISTCHURCH .. L. J. Wild	52.5	62.2	42.8	183	10
42	LINCOLN .. A. R. Blackwood	53.7	65.0	42.4	204	9
1220	KISSELTON .. Miss A. Hardy	53.2	62.4	44.1	123	7
..	RAKAIA .. Caretaker of Domain	53.2	65.3	41.2	191	7
130	TIMARU .. F. Akhurst	52.2	62.5	42.0	248	9
200	WAIMATE .. D. Tannock	51.9	62.0	41.8	255	8
300	DUNEDIN .. H. Dolamore	50.4	57.4	43.5	557	16
245	GORE .. W. H. Fleming	48.6	57.4	39.8	579	19
12	HOKITIKA .. L. Lennie	52.2	58.7	45.7	789	17
12	INVERCARGILL ..	50.2	58.1	42.4	709	25

SUMMARY FOR THE MONTH OF APRIL, 1919.

In most parts of the Dominion fair weather ruled during April, and the rainfall was once again considerably below the normal.

Along the east coast south of Banks Peninsula, and in Otago, however, the total rainfall was considerably in excess of the average, some Observers remarking that it was the wettest April on record.

Numerous disturbances passed in the south during the month, but as they were apparently of slight intensity they were not responsible for such a widespread rainfall as was desired.

B V. PEMBERTON, Acting-Director.