

Government Meteorological Observatory.

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

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 42°	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	30.428	59.4	44.0	51.7	118.0	31.0	110	10	N.E.	..	..
2	30.266	56.5	52.3	54.4	102.0	50.3	270	4	N.W.	Trace	..		
3	30.044	59.4	55.6	57.5	106.0	54.5	575	10	N.W.	13	..		
4	30.377	63.4	45.8	54.6	114.0	41.6	332	9	S.	..	..
5	30.357	55.6	37.0	46.3	111.0	25.7	143	7	N.E.	..	..
6	30.357	59.2	47.9	53.5	109.0	35.5	172	8	S.	..	..
7	30.434	55.9	51.1	53.5	78.0	48.9	289	9	S.	..	..
8	30.499	58.8	46.4	52.6	109.0	32.8	120	1	S.	Trace	..		
9	30.520	60.9	52.7	56.8	114.0	50.0	288	10	S.E.	..	..
10	30.524	56.6	50.1	53.3	82.0	48.7	150	7	S.	Trace	..		
11	30.489	59.8	44.8	52.3	108.0	31.9	117	9	Calm	..	..
12	30.529	56.8	49.4	53.1	93.0	43.7	150	10	N.	..	..
13	30.510	57.5	52.3	54.9	97.0	47.6	235	10	N.	..	..
14	30.477	56.0	52.0	54.0	74.0	50.5	159	10	N.	..	..
15	30.282	57.0	52.3	54.6	91.0	49.1	300	7	N.	..	..
16	30.447	59.0	49.0	54.0	112.0	35.2	222	5	SSE	..	..
17	30.240	54.9	37.0	45.9	94.0	23.0	74	4	Calm	80	..		
18	29.962	62.3	49.0	55.6	107.0	41.5	33	10	Calm	19	..		
19	29.834	54.9	52.5	53.7	79.0	50.3	476	10	S.E.	21	..		
20	29.832	55.0	48.7	51.8	57.0	47.0	594	10	SSE	Trace	..		
21	30.031	53.3	47.2	50.2	90.0	42.0	357	2	S.	..	..
22	30.100	56.1	36.0	46.0	104.0	24.9	44	0	ENE	..	..
23	30.096	58.5	46.2	52.3	106.0	33.4	165	0	Calm	..	..
24	30.236	62.3	36.3	49.3	108.0	24.0	23	0	Calm	1	..		
25	29.887	59.1	49.0	54.2	109.0	49.2	261	10	N.	29	..		
26	29.735	58.4	54.6	56.5	97.0	52.4	446	3	N.W.	4	..		
27	29.836	58.7	42.9	50.8	111.0	40.4	404	10	S.	15	..		
28	29.987	47.7	38.3	43.0	95.0	35.2	388	3	S.W.	..	..
29	29.800	53.4	33.6	43.5	101.0	23.0	50	0	N.	Trace	..		
30	29.888	55.0	38.5	46.7	102.0	29.4	82	10	S.	10	..		
31	30.267	46.5	39.2	42.8	74.0	27.6	259	3	S.	..	..
*	30.202	57.0	46.2	51.6	98.4	39.4	235	6.5	..	..	192
†	29.965	58.3	47.3	52.8	95.2	39.9	218	..	..	..	494

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
6	2	2	2	10	1	..	3	5

NOTE.—The weather during May has been cloudy and showery, with precipitation 61 per cent. below the mean of previous years, the major portion of which fell during the latter half of the month. Total bright sunshine 117 hours 19 minutes, and four sunless days. Frost was recorded on the grass on nine mornings. Mean earth-temperature at 1 ft. was 53°, and 56° at 3 ft. Mean dew-point, 45.1°; mean elastic force of vapour, 0.301 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

May, 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 (4 Points or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	55.1	61.1	49.2	594	14
46	TE AROHA .. G. F. McGirr	49.5	61.0	38.1	418	8
925	ROTORUA .. J. R. Cummins	51.1	62.1	40.2	241	5
340	WAIHI .. P. A. Clifford	50.9	62.0	39.8	534	11
..	TAURANGA .. C. J. Butcher	51.8	62.4	41.2	438	8
160	NEW PLYMOUTH .. W. W. Smith	53.6	60.3	46.9	232	7
250	MOUMAHARI .. T. W. Lonsdale	..	..	..	..	..
2080	TAIHAPE .. A. R. Faruqi	45.7	53.2	38.2	152	20
100	PALMERSTON NORTH* J. A. Colquhoun	48.5	58.5	38.6	85	7
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	48.6	58.2	39.1	137	7
186	GREYTOWN .. W. C. Davies	47.8	57.9	37.7	208	11
377	MASTERTON .. Wm. Hood	48.8	60.7	37.0	293	10
70	GREENMEADOWS, NA-PIER T. B. McBreen	51.0	59.8	42.2	315	6
..	TRENTHAM MILITARY CAMP Lieut. Col. Leahy	..	..	..	..	..
10	WELLINGTON .. SOUTH ISLAND.	51.6	57.0	46.2	192	9
..	BRIGHTWATER .. Ven. Archdeacon Kempthorne	49.5	60.4	38.6	139	3
34	NELSON .. J. R. Dart	50.2	59.3	41.1	163	5
1220	HANMER SPA .. G. J. O'Brien	44.7	58.1	31.4	88	6
25	CHRISTCHURCH .. H. F. Skey	47.7	56.2	39.2	127	7
42	LINCOLN .. L. J. Wild	48.2	59.3	37.2	110	6
1220	KISSELTON .. A. R. Blackwood	44.5	57.8	31.3	50	3
..	RAKAI .. Miss A. Hardy	47.0	58.5	35.5	53	3
130	TIMARU .. Caretaker of Domain	47.2	57.5	37.0	21	4
200	WAIMATE .. F. Akhurst	47.0	56.8	37.2	12	4
300	DUNEDIN .. D. Tannock	46.8	53.4	40.2	166	12
245	GORE .. H. Dolamore	44.0	52.9	35.1	344	17
12	HOKITIKA .. W. H. Fleming	46.2	53.9	38.6	259	7
12	INVERCARGILL .. L. Lennie	46.2	54.3	38.1	404	21
..	* PALMERSTON NORTH (January, 1919)	58.9	67.6	50.2	173	7

SUMMARY FOR THE MONTH OF MAY, 1919.

During the first half of the month conditions were dominated by an extensive anticyclone, and, though at times the weather was dull and misty, this proved a decidedly dry period over the whole of New Zealand. On the 17th a cyclonic disturbance made its appearance north-west of the Dominion: its centre was located in the north on the 18th and 19th, and passed off East Cape on the 20th. This storm brought some good rains, particularly over the North Island, and terminated the drought which had persisted for such a considerable time in these parts. From the 26th to the close of the month unsettled and showery weather prevailed when a small disturbance of a similar type to the above ruled in conjunction with a moderate westerly low-pressure area. On the 26th snow fell in many parts of the South Island.

Frosts were of frequent occurrence, especially in the South Island, and some particularly severe ones were recorded. The total rainfall exceeded the average in the North Auckland district, but all other parts of the Dominion experienced considerably less than the mean, the percentage below ranging from 12 per cent. in the extreme South to as much as 80 per cent. at some stations in the Canterbury District.

B. V. PEMBERTON, Acting-Director.