

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of February, 1919. 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.						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.	Veloc. Wind, in Miles.			
1	29.831	63.5	58.0	60.7	129.0	55.0	226	10	Calm	179
2	30.052	61.0	53.6	57.3	85.0	52.5	314	10	S.	4
3	30.315	61.0	53.5	57.2	141.0	50.0	321	3	S.	..
4	30.285	68.0	51.6	59.8	128.0	50.5	151	10	N.	..
5	30.234	71.5	59.5	65.5	145.0	51.4	144	1	N.W.	..
6	30.214	72.6	62.0	67.3	137.0	51.0	157	9	N.W.	..
7	29.961	71.5	60.6	66.0	137.0	56.8	285	2	N.	..
8	29.876	70.2	60.6	65.4	136.0	59.4	357	4	N.W.	..
9	30.151	70.0	50.8	60.4	139.0	48.5	280	6	S.	..
10	30.284	69.0	60.1	64.5	130.0	58.0	221	4	N.	..
11	30.090	69.0	61.0	65.0	137.0	57.0	238	1	N.W.	..
12	30.060	70.5	57.8	64.1	134.0	55.8	270	10	S.W.	..
13	29.817	66.0	58.8	62.4	112.0	52.0	224	10	SSE	..
14	30.033	67.0	56.0	61.5	124.0	51.0	313	1	S.E.	..
15	30.149	68.3	59.8	64.0	137.0	55.0	218	0	N.W.	..
16	30.275	68.4	54.5	61.4	138.0	42.6	141	10	S.	..
17	30.077	70.0	59.8	64.9	133.0	56.1	173	9	N.W.	..
18	30.034	73.0	60.8	66.9	137.0	57.7	403	3	NNW	19
19	30.214	73.3	57.7	65.5	142.0	56.7	125	10	Calm	Trace
20	30.037	70.0	59.6	64.8	141.0	60.5	175	10	N.	..
21	30.076	68.6	63.0	65.8	124.0	60.3	287	4	N.W.	..
22	30.137	72.1	59.3	65.7	140.0	58.2	23	10	Calm	..
23	30.290	72.0	58.9	65.4	126.0	53.0	216	2	Calm	..
24	30.149	81.1	55.5	68.3	152.0	44.9	71	2	N.	..
25	30.323	75.5	56.3	65.9	142.0	54.5	366	8	S.	..
26	30.400	63.8	44.9	54.3	142.0	31.6	193	0	E.	..
27	30.317	67.3	46.8	57.0	127.0	34.1	149	2	N.E.	..
28	30.250	76.0	53.8	64.9	133.0	44.3	137	0	ESE	..
*	30.140	69.6	56.9	63.2	133.1	52.1	220	5.4	..	202
†	29.981	69.2	55.5	62.3	123.5	48.3	236	327

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
6	1	2	1	6	1	..	7	4

[NOTE.—A bright month, with rainfall considerably below the mean of previous years. Total bright sunshine 179h. 5m., and two sunless days. One frost was recorded on the grass. Mean earth-temperature at 1ft. was 66.2° and 64.6° at 3ft. Mean dew-point, 54.9°; mean elastic force of vapour, 0.431 in.; and mean relative humidity 75 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

February, 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).
			Max. Temp.	Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	67.6	73.4	61.8	84	7
46	TE AROHA .. G. F. McGirr	65.8	77.0	54.7	53	4
925	ROTORUA .. J. R. Cummins	68.6	75.4	61.9	173	5
340	WAIHI .. P. A. Clifford	67.6	77.1	58.1	374	9
..	TAURANGA .. C. J. Butcher	65.6	76.5	54.8	168	9
160	NEW PLYMOUTH .. W. W. Smith	65.8	74.5	57.2	193	4
250	MOUMAHAKI .. T. W. Lonsdale	63.1	73.4	52.9	130	10
2080	TAIHAPE .. A. R. Fannin	61.1	70.5	51.8	73	8
100	PALMERSTON NORTH .. J. A. Colquhoun	63.3	72.5	54.2	171	6
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	62.2	69.6	54.8	156	9
186	GREYTOWN .. W. C. Davies	64.5	75.7	53.3	257	5
377	MASTERTON .. Wm. Hood	65.2	77.0	53.4	208	8
70	GREENMEADOWS, NAPIER T. B. McBreen	66.6	74.6	58.5	290	2
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	62.6	71.7	53.6	155	2
10	WELLINGTON ..	63.2	69.6	56.9	202	3
..	SOUTH ISLAND.					
..	BRIGHTWATER .. Ven. Archdeacon Kempthorne	65.4	74.3	56.6	44	2
34	NELSON .. J. R. Dart	65.9	74.9	56.9	28	3
1220	HANMER SPA .. Miss M. Stewart
25	CHRISTCHURCH .. H. F. Skey	60.8	68.6	53.0	21	6
42	LINCOLN .. L. J. Wild	61.5	72.3	50.6	21	3
1220	KISSELTON .. A. R. Blackwood	61.2	72.6	49.8	Nil	..
..	RAKAIA .. Miss A. Hardy	60.5	70.9	50.1	55	8
130	TIMARU .. Caretaker of Domain	60.7	69.9	51.6	46	9
200	WAIMATE .. F. Akhurst	57.8	65.8	49.9	86	11
300	DUNEDIN .. D. Tannock	57.7	66.0	49.4	76	4
245	GORE .. H. Dolamore	56.4	66.7	46.1	122	5
12	HOKITIKA .. W. H. Fleming	60.5	66.8	54.3	264	10
12	INVERCARGILL .. L. Lennie	56.7	65.5	47.9	41	10

SUMMARY FOR THE MONTH OF FEBRUARY, 1919.

February, the last summer month, proved the only one in which really summer-like conditions prevailed. Though cloudiness was much in evidence, calm and warm weather ruled. There was a general deficiency in the total rainfall, and several places in the South Island had no rain.

Atmospheric disturbances were, on the whole, few in number and slight in intensity, but one passing north of New Zealand on the 12th and 13th was responsible for stormy conditions and some heavy downpours in the northernmost districts.

D. C. BATES, Director.