

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of February, 1920. 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.				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.	Mean Temp. in Shade.						
1	29.790	Fah. 74.5	Fah. 57.6	Fah. 66.1	Fah. 132.0	52.1	63	10	Calm	..	
2	29.819	68.9	57.2	63.0	129.0	57.1	108	10	Calm	..	
3	29.888	71.7	60.1	65.9	135.0	56.7	262	0	NNE	..	
4	30.011	79.0	58.7	68.8	136.0	58.3	151	9	Calm	..	
5	30.119	69.8	60.5	65.1	138.0	57.9	149	1	Calm	..	
6	30.136	73.2	59.5	66.3	130.0	47.5	133	7	NNW	..	
7	30.025	72.0	62.8	67.4	133.0	58.6	219	0	N.W.	..	
8	29.811	75.8	63.8	69.8	137.0	60.0	222	1	N.W.	115	
9	29.499	79.8	57.2	68.5	137.0	53.8	132	10	S.W.	111	
10	30.068	58.0	51.1	54.5	111.0	50.1	473	10	SSE	..	
11	30.225	61.4	52.5	56.9	126.0	48.9	409	0	S.E.	..	
12	30.066	62.0	48.8	55.4	124.0	40.0	169	10	N.	..	
13	30.081	68.0	55.1	61.5	138.0	46.0	166	4	WNW	..	
14	30.018	70.8	59.9	65.3	137.0	55.7	188	8	N.W.	..	
15	30.039	66.2	60.1	63.1	124.0	57.0	211	9	N.	..	
16	30.101	72.1	52.9	62.5	127.0	42.8	123	0	Calm	Trace	
17	30.199	78.1	52.8	65.4	137.0	41.8	58	0	Calm	..	
18	30.061	79.0	55.5	67.2	137.0	43.5	49	10	N.W.	72	
19	29.892	67.9	62.0	64.9	125.0	59.6	373	8	N.W.	..	
20	29.975	70.5	57.1	63.8	139.0	51.0	179	7	NNW	..	
21	30.112	67.3	53.1	60.2	134.0	43.6	300	9	S.	..	
22	30.198	61.5	43.7	52.6	129.0	30.0	214	1	N.	..	
23	30.165	65.5	58.8	62.1	128.0	54.5	288	8	NNE	..	
24	29.923	67.4	61.1	64.2	137.0	57.9	404	10	N.W.	8	
25	29.584	69.2	60.3	64.7	133.0	59.0	310	10	N.	165	
26	29.925	72.0	55.0	63.5	122.0	54.2	389	10	S.	83	
27	29.805	65.9	55.9	60.9	99.0	55.6	336	10	SSW	38	
28	29.643	70.0	60.6	65.3	107.0	58.9	103	10	Calm	Trace	
29	29.766	65.8	59.6	62.7	90.0	53.2	53	10	N.	Trace	
*	29.963	69.8	57.0	63.4	128.0	51.9	215	6	6	..	
†	29.981	69.2	55.5	62.3	123.5	48.3	236	..	..	592	

\* Means, &c. † Means previous years

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
9	..	..	1	4	1	1	6	7

NOTE.—The weather during the month has been fair and warm, with rainfall 79 per cent. above the mean of previous years. Total bright sunshine, 187 hours 5 minutes, and three sunless days. Mean earth temperature at 1 ft. was 67.5°, and 65.2° at 3 ft. Mean dewpoint, 55.4°; mean elastic force of vapour, 0.439 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM THE CHIEF STATIONS.  
February, 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 Ra. (4 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
F.F.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys
125	AUCKLAND F. A. F. Burnett	67.0	72.4	61.6	459	10
46	TE AROHA .. G. F. McGirr	70.4	78.6	62.2	484	9
925	ROTORUA .. L. Bayfield	69.0	81.6	56.4	851	12
340	WAIHI .. P. A. Clifford	65.7	74.2	57.2	1263	17
..	TAURANGA .. C. J. Butcher	65.0	73.3	56.8	1052	15
160	NEW PLYMOUTH .. W. W. Smith	..	..	..	1097	12
250	MOUMAHAKI .. T. W. Lonsdale	63.0	74.7	51.4	474	10
2080	TAIHAPÉ .. A. R. Fanning	60.4	68.8	52.1	291	14
100	PALMERSTON NORTH .. J. A. Colquhoun	63.6	73.1	54.1	390	10
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	62.5	71.5	53.5	365	10
186	GREYTOWN .. T. W. Bowman	63.3	75.5	51.1	511	11
377	MASTERTON .. Wm. Hood	64.9	76.9	52.9	343	10
70	GREENMEADOWS, NAPIER T. B. McBreen	65.0	72.7	57.4	180	10
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	63.2	72.7	53.7	374	6
10	WELLINGTON .. Ven. Archdeacon Kempthorne	63.4	69.8	57.0	592	7
..	SOUTH ISLAND.					
..	BRIGHTWATER .. J. Williams	64.3	72.7	55.7	739	8
34	NELSON .. G. J. O'Brien	64.9	72.1	57.8	768	9
1220	HANMER SPA .. H. F. Skey	..	..	..	..	..
25	CHRISTCHURCH .. L. J. Wild	60.4	67.9	52.8	346	8
42	LINCOLN .. A. R. Blackwood	59.8	71.8	47.9	353	9
1220	KISSELTON .. Miss A. Hardy	61.9	72.5	51.4	371	6
..	RAKAIÁ .. Caretaker of Domain	61.5	72.4	50.7	294	9
180	TIMARU .. F. Akhurst	60.5	70.4	50.7	324	9
200	WAIMATE .. D. Tannock	58.0	67.1	49.0	353	8
300	DUNEDIN .. A. T. Newman	59.6	69.0	50.2	94	8
245	GOBE .. J. A. Chesney	58.5	71.3	45.8	55	8
12	HOKITIKA .. L. Lennie	61.1	68.1	54.4	515	12
12	INVERCARGILL ..	57.8	67.2	48.4	48	9

SUMMARY FOR THE MONTH OF FEBRUARY, 1920.

February proved a fair and warm month, though dull and misty conditions were somewhat frequent. Heavy rains occurred in most parts on the 8th and 9th and between the 25th and 28th, and, except in the Gisborne and Napier districts and the West Coast and southernmost portions of the South Island, the total rainfall for the month was considerably above the average, at many places more than double.

The ruling disturbances were a sub-tropical low, the centre of which passed in the vicinity of Cook Strait on the evening of the 9th, and a similar low acting in conjunction with one southward of the Dominion from the 24th to the close of the month.

D. C. BATES, Director