

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of February, 1921. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in inches to Lat. 45°.	From Self-regulating 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	30-110	Fah. 60-0	Fah. 50-9	Fah. 55-4	Fah. 125-0	Fah. 48-8	412	10	S.	1
2	30-290	63-8	51-9	57-8	127-0	49-0	270	8	S.E.	..
3	30-321	66-0	45-8	55-9	130-0	33-8	134	3	S.E.	..
4	30-197	69-8	48-0	58-9	132-0	36-0	97	1	S.E.	..
5	30-150	71-1	49-1	60-1	135-0	37-0	94	2	Calm	..
6	30-090	73-4	50-9	62-1	128-0	39-9	81	1	N.N.E.	..
7	29-949	72-0	62-2	67-1	134-0	58-6	209	7	N.W.	Trace
8	29-843	72-7	61-0	66-8	140-0	57-1	189	10	N.N.W.	4
9	29-944	72-0	57-2	64-6	123-0	56-8	229	10	S.E.	Trace
10	30-043	67-1	56-5	61-8	124-0	55-9	160	4	S.S.E.	..
11	29-934	74-3	62-2	68-2	132-0	59-0	303	7	N.N.W.	..
12	30-351	69-9	53-9	61-9	137-0	52-0	417	8	S.E.	..
13	30-243	64-1	42-3	53-6	128-0	27-0	197	0	N.	..
14	30-064	69-2	59-1	64-1	130-0	55-5	266	7	N.	..
15	30-069	69-8	49-9	59-8	141-0	36-3	174	0	N.E.	..
16	29-968	76-8	59-6	68-2	138-0	56-0	200	4	N.	..
17	30-026	73-7	58-3	66-0	135-0	57-8	237	10	S.S.E.	..
18	30-138	72-3	58-1	65-2	130-0	56-9	202	4	S.E.	..
19	30-026	69-4	54-0	61-7	127-0	48-8	194	3	N.W.	8
20	30-041	67-3	52-9	60-1	136-0	52-0	364	5	S.	..
21	29-747	66-4	53-8	60-1	126-0	42-8	278	6	N.N.W.	..
22	29-572	71-0	60-1	65-5	131-0	57-1	366	4	N.N.W.	59
23	29-697	67-1	47-3	57-2	144-0	46-0	436	10	S.	..
24	29-834	66-2	47-4	56-8	123-0	36-7	256	3	N.W.	..
25	30-063	69-7	58-2	63-9	137-0	55-8	338	2	N.W.	..
26	30-277	68-0	54-0	61-0	129-0	45-2	238	9	N.E.	..
27	30-130	74-4	59-7	67-0	137-0	49-2	200	8	N.N.E.	..
28	30-105	67-9	60-9	64-4	135-0	57-0	288	6	N.	..
*	30-044	69-5	54-5	62-0	131-9	48-7	244	5-4	..	72
†	29-981	69-2	55-7	62-5	123-5	48-3	236	..	..	323

* Means, &c. † Means previous years.

DIRECTION OF WIND.

	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
10	2	..	6	5	..	..	4	1	

NOTE.—A bright and sunny month, with precipitation 78 per cent. below the mean of previous years. Total bright sunshine 229 hours 31 minutes, and no sunless days, giving an average of 8 hours 12 minutes per diem. A frost was recorded on the grass on the 13th. The mean earth-temperature at 1 ft. was 66°1', and 64°5' at 3 ft. Mean dew-point, 51°6', mean elastic force of vapour, 0.382 in.; and mean relative humidity, 69 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

February, 1921.

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 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	65-4	74-4	59-4	237	5
46	TE AROHA .. G. F. McGirr	65-1	76-0	54-2	44	4
925	ROTORUA .. G. J. O'Brien	61-1	71-2	51-0	172	6
340	WAIHI .. C. F. Sims	63-3	73-3	53-3	330	9
..	TAURANGA .. C. J. Butcher	60-6	71-2	50-1	148	8
..	NEW PLYMOUTH ..	..	..	..	..	..
250	MOUMAHAKI .. J. G. McFarlane	62-0	73-1	50-9	112	2
2080	TAIHAPE .. A. R. Fannin	57-1	66-2	48-0	204	9
100	PALMERSTON NORTH .. J. A. Colquhoun	60-2	69-0	51-4	110	6
119	CENTRAL DEVELOPMENT FARM, WERAROA .. J. Beverley	60-4	70-6	50-3	84	3
186	GREYTOWN .. J. P. Eccleton	62-0	74-5	49-5	139	7
377	MASTERTON .. R. Brown	61-3	73-8	48-8	164	7
70	GREENMEADOWS, NAPIER ..	63-5	72-9	54-2	270	6
..	TRENTHAM MILITARY HOSPITAL ..	57-3	65-4	49-2	85	1
10	WELLINGTON ..	62-0	69-5	54-5	72	4
..	SOUTH ISLAND.					
..	BRIGHTWATER .. Ven. Archdeacon Kempthorne	61-8	73-2	50-4	192	5
34	NELSON .. Wm. C. Davies	61-6	70-4	52-9	172	5
1220	HANMER SPA .. L. Bayfield	58-7	69-1	48-3	351	9
25	CHRISTCHURCH .. H. F. Skey	59-5	67-1	51-9	98	6
42	LINCOLN ..	..	..	..	..	..
1220	KISSELTON .. A. R. Blackwood	59-4	71-7	47-1	119	5
..	RAKAIA .. Miss A. Hardy	60-0	71-0	49-1	178	6
130	TIMARU .. Caretaker of Domain	58-7	68-6	48-8	104	6
200	WAIMATE .. F. Akhurst	57-9	66-7	49-1	90	7
300	DUNEDIN .. D. Tannock	57-3	65-9	48-7	104	7
245	GORE .. A. T. Newman	55-2	66-2	44-2	118	9
12	HOKITIKA .. J. A. Chesney	59-2	67-2	51-3	454	9
12	INVERCARGILL* .. L. Lennie	55-8	65-5	46-1	181	13
	* October, 1920 ..	..	..	..	210	18

SUMMARY FOR THE MONTH OF FEBRUARY, 1921.

During February the weather was generally warm and very dry. The middle of the month was bright and sunny, except in the far North, where some heavy rains were reported from the 12th to the 14th. From the 7th to the 9th considerable rain fell in the North and in some parts of the north-western coast of the South Island. At Hokitika, on the morning of the 7th, 3-12 inches of rain fell between 1.30 a.m. and 7.30 a.m.

A strong south-westerly sprang up on the 22nd and brought rain to many parts of the country, especially to the East Coast districts; it was accompanied by a cold snap, and the hills were lightly covered with snow on both Islands at this time.

The rainfalls in Poverty Bay were greater than in Hawke's Bay, and drought conditions set in in the latter district. Most parts of Marlborough also suffered from drought during February.

D. C. BATES, Director.