

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of January, 1918. 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.	Fah.						
1	29.582	Fah. 63.5	Fah. 55.9	Fah. 59.7	Fah. 132.0	53.2	417	10	NNW	Trace	
2	29.424	67.8	50.2	59.0	143.0	43.1	286	3	WNW	..	
3	29.917	64.8	46.9	55.8	137.0	37.1	283	9	N.W.	..	
4	29.643	62.0	56.6	59.3	141.0	55.3	547	10	N.W.	..	
5	29.496	65.1	56.6	60.8	141.0	53.0	505	1	N.W.	40	
6	29.831	67.3	48.0	57.6	133.0	47.2	225	4	S.	..	
7	29.852	62.6	47.7	55.1	134.0	40.6	152	8	N.	..	
8	29.440	64.0	56.5	60.2	140.0	54.7	445	10	N.W.	7	
9	29.896	67.5	54.0	60.7	132.0	52.1	276	10	S.	..	
10	29.660	66.6	55.6	61.1	137.0	51.8	284	3	N.W.	..	
11	29.603	63.8	51.3	57.5	133.0	46.2	294	10	N.W.	7	
12	29.784	64.6	43.5	54.0	137.0	32.1	217	8	NNW	..	
13	29.815	66.5	56.0	61.2	135.0	49.9	307	5	N.W.	..	
14	29.849	68.3	59.2	63.7	141.0	57.5	250	8	N.	Trace	
15	29.745	67.8	58.4	63.1	143.0	57.7	503	10	N.W.	6	
16	29.646	62.9	59.8	61.3	130.0	59.0	466	10	N.	201	
17	29.322	65.3	59.0	62.1	140.0	57.7	555	9	N.W.	..	
18	29.598	62.3	53.9	58.1	134.0	47.2	354	3	N.W.	..	
19	29.971	63.6	55.8	59.7	127.0	50.1	319	1	N.	..	
20	30.057	65.9	57.7	61.8	129.0	54.9	468	8	NNW	..	
21	29.997	64.7	60.3	62.5	139.0	58.3	522	7	N.W.	1	
22	29.874	65.0	60.1	62.5	128.0	60.0	431	10	N.	..	
23	29.911	64.1	58.2	61.1	128.0	54.0	390	2	N.	..	
24	29.866	67.8	58.2	63.0	130.0	52.7	392	0	WNW	..	
25	29.975	70.3	56.5	63.4	135.0	51.2	303	6	NNW	..	
26	29.946	64.8	59.1	61.9	135.0	57.5	458	10	N.W.	..	
27	29.839	68.6	62.5	65.5	140.0	60.0	483	10	N.W.	43	
28	29.721	71.8	55.2	63.5	141.0	55.0	282	10	SSE	44	
29	29.725	58.0	53.2	55.6	81.0	52.0	447	10	S.E.	..	
30	29.532	60.5	53.8	57.1	122.0	49.0	166	6	N.W.	2	
31	29.677	64.2	59.0	61.6	137.0	55.0	492	10	N.W.	23	
*	29.748	65.2	55.4	60.3	133.4	51.8	372	7.1	..	374	
†	29.863	66.9	53.8	60.3	124.6	46.9	277	..	..	329	

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
10	..	..	1	3	..	2	15	..

NOTE.—The weather during the month has been cloudy and unsettled, with strong N.W. winds prevailing. Total bright sunshine, 179 hours 30 minutes, and five sunless days. Mean earth temperature at 1 ft. was 64.1°, and 62.7° at 3 ft. Mean dew-point, 52°; mean elastic force of vapour, 0.388 in.; and mean relative humidity, 74 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

January, 1919.

Ft.	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.		
<b>NORTH ISLAND.</b>						
125	AUCKLAND .. F. A. F. Burnett	Deg. 62.8	Deg. 69.6	Deg. 56.0	Points. 170.	Dys. 13
46	TE AROHA .. G. F. McGirr	62.4	72.7	52.1	220	16
925	ROTORUA .. J. R. Cummins	59.0	66.6	51.5	308	7
340	WAIHI .. P. A. Clifford	62.6	72.1	53.2	206	11
..	TAURANGA .. C. J. Butcher	61.5	73.3	49.7	103	7
160	NEW PLYMOUTH .. W. W. Smith	59.5	67.5	51.5	701	20
250	MOUMAHAKI .. T. W. Lonsdale	60.8	71.3	50.3	318	14
2080	TAIHAPE .. A. R. Fannin	56.1	64.8	47.4	198	14
100	PALMERSTON NORTH ..	..	..	..	..	..
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	59.1	65.0	53.2	291	16
186	GREYTOWN .. W. C. Davies	62.4	72.3	52.5	198	10
377	MASTERTON .. Wm. Hood	62.9	74.3	51.5	169	10
70	GREENMEADOWS, NA-PIER T. B. McBreen	65.2	75.7	54.8	144	3
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	..	..	..	..	..
10	WELLINGTON	60.3	65.2	55.4	374	10
<b>SOUTH ISLAND.</b>						
..	BRIGHTWATER Ven. Archdeacon Kempthorne	61.7	72.0	51.5	408	7
34	NELSON .. J. R. Dart	61.8	72.1	51.5	303	10
1220	HANMER SPA Miss M. Stewart	59.8	69.5	50.2	557	10
25	CHRISTCHURCH H. F. Skey	59.5	69.2	49.8	309	13
42	LINCOLN .. L. J. Wild	58.9	70.7	47.1	450	14
1220	KISSILTON .. A. R. Blackwood	56.6	66.4	46.9	390	9
..	RAKAIKA Miss A. Hardy	58.7	69.7	47.8	471	10
130	TIMARU .. Caretaker of Domain	58.3	67.9	48.8	643	16
200	WAIMATE .. F. Akhurst	56.3	66.0	46.6	495	17
300	DUNEDIN .. D. Tannock	55.2	63.0	47.4	712	25
245	GORE .. H. Dolamore	53.4	62.0	44.8	803	28
12	HOKITIKA .. W. H. Fleming	55.4	60.8	50.0	1426	27
12	INVERCARGILL L. Lennie	53.9	61.7	46.1	775	27

SUMMARY FOR THE MONTH OF JANUARY, 1919.

The weather of January was unseasonable, being mostly unsettled with strong westerly winds prevailing. There was again a remarkable frequency of westerly low-pressure areas, and in consequence the west coast of the North Island and the whole of the South Island had an aggregate rainfall considerably in excess of the average, while in the East Coast and northern portion of the North Is and the fall was below the mean of previous years.

The worst storm effects were those experienced in Otago from the 26th to the end of the month. During this period, as the result of heavy continuous rain, many of the rivers overflowed their banks and inundated much of the country and some of the towns. Our Naseby observer reports "that the floods were the heaviest known in Central Otago," while the observer at Nightcaps says "the worst January weather in the thirty-four years I have kept records."

D. C. BATES, Director.