

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of January, 1914. 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.					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.						
1	30-039	76.6	60.2	68.4	131.6	48.8	209	8	N.	1		
2	30-049	68.8	58.8	63.8	133.8	51.2	390	8	S.	3		
3	29-893	74.2	60.4	67.3	134.4	58.2	318	10	N.	..		
4	30-219	68.2	55.6	61.9	122.6	52.6	386	3	S.	..		
5	30-189	76.2	51.0	63.6	134.2	35.0	148	8	N.W.	..		
6	29-949	72.2	62.0	67.1	146.0	58.0	476	10	N.	10		
7	29-799	66.2	59.8	63.0	110.6	57.6	422	8	N.W.	..		
8	30-009	73.2	51.0	62.1	140.6	46.6	200	5	N.W.	10		
9	29-679	69.2	57.0	63.1	137.2	53.2	380	10	N.	2		
10	29-889	67.8	53.2	60.5	136.4	48.6	310	4	Calm	..		
11	30-000	71.6	58.6	65.1	142.6	55.6	280	8	N.W.	..		
12	30-162	67.2	62.0	64.6	139.4	60.4	451	8	N.	..		
13	30-239	70.2	62.0	66.1	148.0	60.0	570	8	N.	..		
14	30-042	72.2	63.0	67.6	137.6	61.2	491	8	N.	5		
15	30-211	69.0	48.6	58.8	138.2	40.2	280	2	Calm	..		
16	30-089	71.6	59.2	65.4	138.6	55.6	328	4	N.	..		
17	30-159	68.2	61.0	64.6	136.6	59.0	580	10	N.	..		
18	30-209	70.2	62.4	66.3	144.6	60.6	488	8	N.	..		
19	30-253	72.6	63.2	67.9	146.6	61.6	260	10	S.	..		
20	30-169	78.6	61.2	69.9	136.2	58.2	240	10	N.	..		
21	30-179	68.2	62.6	65.4	136.6	61.2	492	8	N.	..		
22	29-969	72.0	64.6	68.3	147.0	62.6	330	8	N.	7		
23	29-709	71.0	64.8	67.9	135.6	63.0	551	8	S.	6		
24	30-079	69.6	55.6	62.6	130.6	48.6	229	7	N.	..		
25	30-150	70.4	57.2	63.8	136.2	52.6	290	6	N.	..		
26	30-009	73.6	59.6	66.6	135.6	55.4	272	2	N.W.	..		
27	29-779	68.6	60.0	64.3	131.0	57.8	546	6	N.	..		
28	29-831	68.0	60.8	64.4	138.2	58.0	392	2	N.W.	..		
29	29-739	74.6	62.2	68.4	134.6	59.2	238	7	N.	60		
30	29-325	79.6	59.8	69.7	150.6	57.2	342	4	N.W.	14		
31	29-290	69.6	53.4	61.5	135.6	50.0	350	10	S.	142		
*	29-977	71.2	59.0	65.1	137.0	55.1	362	7.0	..	260		
†	29-899	69.4	55.5	62.4	125.8	48.6	256	..	..	331		

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
17	..	..	..	5	..	..	7	2

NOTE.—The weather during the month has been bright and sunny, with northerly winds prevailing. Temperatures and barometric pressure were well above the average of previous years. Total bright sunshine, 251 h. 10 m., and no sunless days. The mean earth temperature at 1 ft. was 68.0°, and 65.1° at 3 ft. Mean dew-point, 55.1°; mean elastic force of vapour, 0.434 in.; and mean relative humidity, 70 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

January, 1914.

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).
			Mean Max. Temp.	Mean Min. Temp.		
	<b>NORTH ISLAND.</b>	Deg.	Deg.	Deg.	Points.	Dys.
20	DARGAVILLE .. Dr. H. M. Levinge	..	..	..	..	..
125	AUCKLAND .. T. F. Cheeseman	67.2	74.8	59.6	132	6
..	TE AROHA .. G. F. McGirr	68.1	83.3	53.0	132	5
925	ROTORUA .. J. F. Robieson	65.2	76.4	54.0	92	5
370	WAIHI .. H. B. Devereux	66.5	78.1	55.0	157	11
..	TAURANGA .. C. J. Butcher	66.7	77.3	56.1	134	7
63	NEW PLYMOUTH .. W. D. Fletcher	64.2	73.7	54.7	337	11
250	MOUMAHAKI .. A. S. Huntington	62.7	72.7	52.7	181	6
2080	TAIHAPE .. A. R. Fannin	61.5	72.3	50.8	251	6
..	PALMERSTON NORTH .. J. E. Vernon	62.7	72.8	52.6	420	6
186	GREYTOWN .. W. C. Davies	67.1	80.0	54.2	236	5
377	MASTERTON .. Wm. Hood	65.9	81.2	50.7	159	7
..	GISBORNE .. C. H. Ferris	69.6	82.5	56.8	59	3
14	GREENMEADOWS, NAPIER .. Very Rev. Dean Smyth	70.4	82.5	58.4	25	3
10	WELLINGTON .. F. W. Simms	65.1	71.2	59.0	260	11
	<b>SOUTH ISLAND.</b>	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. Rev. J. P. Kempthorne	66.7	77.3	56.1	103	7
1218	HANMER SPA .. Dr. J. C. Duncan	65.6	78.1	53.1	307	8
25	CHRISTCHURCH .. H. F. Skey	65.0	75.6	54.4	136	11
42	LINCOLN .. G. Gray	65.9	77.6	54.3	206	8
349	RAKAI .. G. S. Hardy	64.0	76.3	51.7	246	7
130	TIMARU .. Caretaker of Domain	63.7	74.1	53.3	270	6
90	WAIMATE* .. W. M. Hamilton	62.1	73.4	50.8	411	14
300	DUNEDIN .. D. Tannock	60.9	69.4	52.3	368	16
350	GORE .. H. Dolamore	59.6	70.8	48.4	385	17
12	HOKITIKA .. F. T. Sandford	59.2	65.3	53.2	1374	23
18	INVERCARGILL .. L. Lennie	61.8	70.9	52.8	538	15

\* Rainfall for December, 1913: 457 points for 13 days.

SUMMARY FOR JANUARY.

Atmospheric pressure remained high in the northern districts from the beginning until the 27th of the month, although during this period several depressions of but slight intensity passed in the south—viz., on the 3rd, 9th, 11th, 13th, 16th, and 22nd. On the latter date some heavy downpours occurred, especially in the western districts.

The most unsettled period, however, was from the 27th to the end of the month, when an intense and extensive depression of a cyclonic type enveloped the Dominion. General rains ensued, which were extremely beneficial to portions of the North Island, where dry conditions had been experienced for some time.

As a whole the month was one of fine and warm weather. Nearly the whole of the North Island, and also the north-eastern portion of the South, recorded considerably less than the normal rainfall, but the remaining portion of the South Island had an excess.

D. C. BATES, Director.