

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of May, 1916. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Last. 4ft.	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.	Fah.						
1	29.770	56.0	49.8	52.9	59.8	42.6	90	10	Calm	..	..	..
2	29.811	58.0	44.4	51.2	52.6	34.8	55	10	N.	..	4	..	
3	30.160	62.2	49.6	55.9	84.8	45.6	375	4	S.	..	..	..
4	30.109	58.0	40.4	49.2	70.2	29.2	170	8	N.	..	..	..
5	30.102	61.2	55.0	58.1	75.8	50.0	279	5	N.	..	..	..
6	30.019	65.6	52.4	59.0	85.4	44.4	100	6	N.	..	..	..
7	29.771	64.2	57.4	60.8	93.8	53.0	370	5	W.	..	7	..	
8	30.059	62.6	47.8	55.2	66.6	42.2	297	3	S.	..	..	..
9	30.059	59.0	42.0	50.5	81.8	30.0	132	0	N.E.	..	..	..
10	30.132	61.2	40.0	50.6	81.6	28.4	70	4	S.	..	..	..
11	30.030	61.2	51.0	56.1	58.4	49.0	241	10	S.E.	..	23	..	
12	29.963	57.2	55.0	56.1	56.8	52.6	520	10	S.E.	..	24	..	
13	30.059	56.0	53.4	54.7	58.6	50.0	630	10	S.	..	..	..
14	30.080	59.8	50.4	55.1	87.8	41.4	173	4	Calm	..	1	..	
15	30.080	64.2	50.8	57.5	88.4	41.6	70	3	N.	..	12	..	
16	30.091	67.8	57.4	62.6	65.6	53.2	207	8	S.	..	2	..	
17	30.421	59.8	51.2	55.5	78.4	46.4	487	6	S.	..	..	..
18	30.393	56.6	38.4	47.5	65.6	26.0	130	0	S.	..	2	..	
19	30.249	57.2	45.4	51.3	57.6	43.0	210	10	S.	..	1	..	
20	30.049	60.4	47.8	54.1	65.8	40.6	100	6	N.	..	..	..
21	29.979	58.0	50.4	54.2	88.6	42.8	130	4	N.	..	..	..
22	29.949	64.2	53.0	58.6	86.8	44.6	210	0	N.	..	..	..
23	29.819	62.8	54.4	58.6	88.4	53.2	490	8	N.	..	..	..
24	29.919	63.4	56.8	60.1	80.6	52.4	424	6	N.	..	1	..	
25	30.299	63.0	50.6	56.8	60.8	46.0	196	8	S.E.	..	18	..	
26	30.319	55.8	46.8	51.3	55.6	44.2	220	10	S.	..	56	..	
27	30.141	59.4	50.0	54.7	53.8	43.4	120	10	S.E.	..	16	..	
28	29.569	65.6	50.4	58.0	61.6	50.0	156	10	S.	..	135	..	
29	29.680	58.0	47.6	52.8	51.4	46.2	444	10	S.E.	..	35	..	
30	20.182	49.8	46.2	48.0	50.8	42.6	520	10	S.E.	..	11	..	
31	29.963	59.6	49.0	54.3	65.6	44.8	123	10	N.	..	10	..	
*	30.039	60.2	49.5	54.9	71.3	43.7	250	6.7	..	..	358	..
†	29.965	58.3	47.3	52.8	95.2	39.9	218	..	..	..	480	..

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
11	1	..	6	10	..	1	..	2

NOTE.— Weather, on the whole, was unsettled. The rainfall was below the mean of previous years, but temperatures and barometric pressures were above the averages for previous years. Total bright sunshine, 131 hours 33 minutes, and six sunless days. Frost was recorded on four mornings. Mean earth-temperature at 1 ft. and 3 ft. were both 56.7°. Mean dew-point, 49°; mean elastic force of vapour, 0.348 in.; and mean relative humidity, 80 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

May, 1916.

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 (Point or more).
			Max. Temp.	Min. Temp.		
Ft. 125	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
	AUCKLAND ..	58.6	63.1	54.1	501	19
	F. A. F. Burnett					
* 46	TE AROHA ..	49.2	60.8	37.7	863	17
	G. F. McGirr					
925	ROTORUA ..	..	..	..	..	..
	S. R. Edwards					
340	WAIHI ..	56.4	64.4	48.4	1621	19
	P. A. Clifford					
..	TAURANGA ..	58.2	67.3	49.2	655	16
	C. J. Butcher					
160	NEW PLYMOUTH ..	58.9	66.0	51.8	691	21
	W. W. Smith					
250	MOUMAHARI ..	54.5	62.1	47.0	327	17
	T. W. Lonsdale					
2080	TAIHAPE ..	50.6	56.0	45.2	380	17
	A. R. Fanning					
100	PALMERSTON NORTH ..	55.3	62.3	48.3	239	11
	J. E. Vernon					
186	GREYTOWN ..	52.2	61.2	43.2	516	17
	W. C. Davies					
377	MASTERTON ..	53.2	62.0	44.5	506	18
	Wm. Hood					
70	GREENMEADOWS, NAPIER	56.5	63.0	50.0	674	16
	W. B. Buckley					
10	WELLINGTON ..	54.9	60.2	49.5	358	17
	F. W. Simms					
*	TE AROHA (April) ..	56.2	68.0	44.5	433	11
	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON ..	54.5	62.0	47.0	711	10
	A. E. Hedges					
1220	HANMER SPA ..	46.1	54.7	37.6	704	14
	J. F. Robieson					
25	CHRISTCHURCH ..	49.2	56.5	41.8	477	19
	H. F. Skey					
42	LINCOLN ..	49.2	57.1	41.3	459	12
	L. J. Wild					
..	RAKIA ..	47.3	56.1	38.6	429	11
	Miss A. Hardy					
130	TIMARU ..	47.7	55.8	39.6	314	12
	Caretaker of Domain					
90	WAIMATE ..	46.8	55.6	38.1	270	8
	W. M. Hamilton					
300	DUNEDIN ..	49.3	56.0	42.5	222	11
	D. Tannock					
245	GORE ..	44.7	53.9	35.5	236	13
	H. Dolamore					
12	HOKITIKA ..	50.7	58.2	43.3	901	17
	F. T. Sandford					
12	INVERCARGILL ..	..	..	..	..	..
	L. Lennie					

SUMMARY FOR THE MONTH OF MAY, 1916.

There were at least two definite periods of unsettled weather during May—viz., between the 10th and 15th, and 25th and 31st.

In the former period very heavy rain and floods were experienced in the northern and east coast districts of the North Island, which were due to an unusually intense sub-tropical low-pressure system. The most notable record was that for Pakihiroa, which shows that between the 10th and 15th 27.69 inches of rain fell, 11.02 inches falling on the 12th, and a total of 34.11 inches was returned for the month.

On the 25th, high atmospheric pressure ruled, but there was evidence of a cyclonic disturbance to the north-west. On the 27th, the centre of the latter was located between Cape Maria van Diemen and Norfolk Island, and by the 29th the Dominion was enveloped in the system. About these dates high easterly and south-easterly winds prevailed, and the last week was very wet and cold generally.

With the exception of these two periods the weather proved fair and mild. The greater part of the Dominion had more than the normal rainfall.

D. C. BATES, Director.