

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of June, 1918. 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.						
1	30.156	58.6	53.2	55.9	116.0	50.1	350	6	N.W.	4	
2	30.027	59.0	55.8	57.4	120.0	51.0	360	8	NNW	..	
3	30.198	61.9	41.1	51.5	112.0	28.5	104	2	N.	..	
4	30.404	57.8	37.2	47.5	112.0	25.2	57	4	S.	16	
5	30.368	54.3	46.8	50.5	117.0	43.9	343	2	S.	Trace	
6	30.286	55.3	47.1	51.2	104.0	38.0	170	9	S.	..	
7	30.146	54.7	37.3	46.0	93.0	26.5	49	0	Calm	..	
8	30.117	57.6	45.0	51.3	105.0	34.6	89	5	N.W.	..	
9	30.097	60.0	39.8	49.9	107.0	28.6	59	4	N.E.	..	
10	29.764	57.2	49.9	53.5	116.0	39.1	293	5	N.	Trace	
11	29.912	60.9	47.6	54.2	115.0	40.1	242	9	S.	..	
12	29.848	54.1	37.6	45.8	104.0	28.0	86	0	Calm	Trace	
13	29.768	60.5	38.3	49.4	105.0	27.5	10	10	Calm	31	
14	29.442	54.5	44.3	49.4	72.0	40.0	87	10	E.	18	
15	29.453	51.0	48.1	49.5	74.0	46.0	94	8	N.	Trace	
16	29.592	56.1	37.2	46.6	104.0	26.5	19	10	Calm	Trace	
17	29.883	53.5	38.9	46.2	97.0	27.2	23	9	Calm	24	
18	29.607	57.7	43.7	50.7	85.0	42.2	305	5	N.W.	51	
19	29.666	58.3	51.8	55.0	94.0	48.8	459	9	N.W.	30	
20	29.278	58.7	52.1	55.4	99.0	48.7	416	6	N.W.	109	
21	29.072	58.5	48.9	53.7	104.0	47.6	211	10	S.	62	
22	29.365	53.2	44.5	48.8	84.0	31.7	167	3	Calm	Trace	
23	29.408	59.1	49.8	54.4	110.0	42.0	232	2	NNW	..	
24	29.445	56.8	50.2	53.5	106.0	40.2	189	2	W.	2	
25	29.683	59.0	48.7	53.8	112.0	44.0	189	7	S.W.	2	
26	29.776	55.7	47.7	51.7	101.0	41.9	177	9	S.	9	
27	29.518	52.0	43.3	47.6	70.0	31.5	150	10	N.W.	215	
28	29.454	50.4	43.8	47.1	63.0	42.0	321	10	S.	68	
29	29.530	48.5	43.3	45.9	74.0	41.2	310	8	S.	2	
30	29.484	48.8	32.9	40.8	91.0	20.8	49	1	Calm	65	
31	..	..	..	..	..	..	..	..	..	..
*	29.758	56.1	44.8	50.4	98.8	37.4	187	6.1	..	708	
†	29.949	54.6	44.2	49.4	86.5	37.2	205	..	..	502

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
5	1	1	..	8	1	1	6	7

NOTE.—The weather during the month has been cloudy and wet, with rainfall 41 per cent. above the mean of previous years. Total bright sunshine, 110 hours 39 minutes, and three sunless days. Frost was recorded on the grass on eleven mornings. There was thunder, lightning, and hail on the 18th. Mean earth temperature at 1 ft. was 50.4°, and 53° at 3 ft. Mean dew-point, 44.5°; mean elastic force of vapour, 0.294 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
June, 1918.

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 (½ Point or more)
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	54.2	59.8	48.6	796	27
46	TE AROHA .. G. F. McGirr	48.9	58.6	39.2	672	24
925	ROTORUA .. W. Penno	47.3	55.8	38.9	613	17
340	WAIHI .. P. A. Clifford	50.5	59.0	42.1	1,630	23
..	TAURANGA .. C. J. Butcher	49.6	59.0	40.2	758	18
160	NEW PLYMOUTH .. W. W. Smith	52.4	59.7	45.2	757	26
250	MOUMAHAKI .. T. W. Lonsdale	49.4	56.4	42.4	650	20
2080	TAIHAPE .. A. R. Fanning	44.5	49.6	39.5	437	22
100	PALMERSTON NORTH .. J. E. Vernon	49.2	55.7	42.8	358	21
186	GREYTOWN .. W. C. Davies	46.7	56.0	37.3	373	18
377	MASTERTON .. Wm. Hood	47.3	57.0	37.7	263	17
70	GREENMEADOWS, NA-PIER T. B. McBreen	50.6	59.2	42.1	86	5
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	47.8	56.0	39.7	610	16
10	WELLINGTON ..	50.4	56.1	44.8	708	16
..	SOUTH ISLAND.					
..	BRIGHTWATER .. Ven. Archdeacon Kempthorne	46.4	55.9	36.8	1,468	12
34	NELSON .. J. R. Dart	48.4	55.5	41.3	721	14
1220	HANMER SPA .. Miss M. Stewart	41.1	50.0	32.2	310	8
25	CHRISTCHURCH .. H. F. Skey	44.5	52.6	36.4	326	13
42	LINCOLN .. L. J. Wild	44.2	53.5	34.9	217	12
1220	KISSELTON .. A. R. Blackwood	39.9	48.8	31.0	306	8
..	RAKAI .. Miss A. Hardy	43.7	53.1	34.3	306	10
130	TIMARU .. Caretaker of Domain	44.1	52.1	36.1	205	11
200	WAIMATE .. F. Akhurst	44.5	52.8	36.3	178	10
300	DUNEDIN* .. D. Tannock	44.4	49.1	39.8	648	21
245	GORE .. H. Dolamore	40.3	46.2	34.4	383	17
12	HOKITIKA .. W. H. Fleming	44.7	51.3	38.1	774	18
12	INVERCARGILL .. L. LENNIE	42.8	48.7	36.9	530	22
	* May	48.1	55.2	41.0	86	11

SUMMARY FOR THE MONTH OF JUNE, 1918.

Anticyclonic pressure prevailed from the 1st to the 10th, and accounted for fair and mild weather generally during this period.

From the latter date until the end of the month westerly depressions were extremely persistent, and the weather proved very unsettled, with considerable rainfall.

A notable meteorological feature was a remarkable tendency for the development of secondary "lows," and in consequence electrical disturbances frequently occurred in different parts of the country, more especially over the North Island.

On the last day of the month a shallow depression was centred westward of Cook Strait, and was responsible for a serious snowstorm in the North Canterbury district.

Except in the East Coast districts of the North Island and the west coast of the South, the total rainfall for the month was everywhere above the average.

D. C. BATES, Director.