

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of June, 1927. Observations taken at 9 a.m.

Altitude of Observatory, 10 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	30.344	47.0	42.2	44.6	66.0	39.1	353	10	S.E.	8		
2	30.403	49.3	45.7	47.5	83.0	43.6	204	10	S.S.E.	1		
3	30.359	51.7	35.3	43.5	91.1	28.1	66	0	Calm	..		
4	30.455	51.8	36.3	44.0	94.3	28.2	20	3	Calm	..		
5	30.573	53.4	32.3	42.8	92.0	24.4	10	0	Calm	..		
6	30.470	54.2	33.2	43.7	95.0	25.1	9	1	Calm	1		
7	29.952	55.0	41.8	48.4	96.1	36.7	104	10	N.E.	80		
8	29.660	55.0	51.4	53.2	60.0	49.3	60	10	N.W.	..		
9	29.602	56.1	45.1	50.6	76.0	39.0	65	4	N.W.	9		
10	29.614	56.1	45.2	50.6	102.1	41.2	223	9	N.W.	1		
11	29.745	54.2	45.2	49.7	99.2	42.1	253	8	N.N.W.	76		
12	29.512	52.4	42.3	47.3	71.0	41.9	172	10	S.S.W.	192		
13	29.914	50.0	41.1	45.5	59.0	40.7	511	10	S.	4		
14	30.192	48.1	42.2	45.1	74.1	40.6	311	5	S.S.E.	..		
15	30.273	51.6	33.8	42.7	99.0	25.7	91	1	E.	..		
16	30.136	54.8	45.7	50.2	99.0	42.7	191	5	N.E.	..		
17	29.837	55.3	46.9	51.1	108.0	41.0	222	1	W.N.W.	11		
18	29.915	55.1	35.0	45.0	100.8	26.0	117	10	S.S.E.	23		
19	30.332	46.7	41.2	43.9	73.0	39.9	410	7	S.S.E.	1		
20	30.261	47.8	42.8	45.3	76.0	39.0	301	10	S.E.	52		
21	29.989	51.0	45.3	48.1	62.1	44.7	437	10	S.E.	1		
22	29.804	53.0	44.0	48.5	60.0	39.5	35	9	Calm	6		
23	29.712	56.1	45.3	50.7	87.0	38.8	64	10	S.	51		
24	29.986	53.0	49.0	51.0	66.9	47.1	225	10	S.S.E.	..		
25	30.008	55.0	38.2	46.6	92.2	30.0	102	0	N.W.	Trace		
26	29.928	56.6	51.3	53.9	101.0	44.9	294	8	N.W.	27		
27	29.760	56.5	45.1	50.8	109.0	40.8	186	3	S.	..		
28	29.967	50.5	31.3	40.9	88.8	23.9	34	0	Calm	..		
29	30.206	56.2	34.6	45.4	99.0	26.5	14	10	Calm	..		
30	30.240	51.0	39.8	45.4	90.0	34.3	110	10	Calm	..		
31	..	..	..	..	..	..	..	..	..	..		
*	30.038	52.8	41.6	47.2	85.7	36.8	173.1	6.5	..	544		
†	29.949	54.7	44.3	49.5	87.1	37.7	208	5.7	..	487		

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
1	2	1	3	9	..	1	5	8

NOTE.—A cold, cloudy, and showery month, with temperatures below the mean of former years, and precipitation 12 per cent. above the average. Total bright sunshine, 106 hours 57 minutes (38 per cent. of the possible), and eight sunless days. Mean earth temperature at 1 ft. was 46° and 50.5° at 3 ft. Frost was recorded on the grass on nine mornings, hail fell on the 11th and 12th, and fog was in evidence on the 3rd, 4th, and 6th. Mean dew-point, 41.3°; mean elastic force of vapour, 0.260 in.; and mean relative humidity, 80 per cent. of saturation.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM CHIEF STATIONS.  
June, 1927.

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).
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 152	NORTH ISLAND.	Deg	Deg.	Deg.	Points.	
152	AUCKLAND ..	51.2	56.8	45.5	709	18
131	RUAKURA FARM, HAMILTON EAST	47.4	57.8	37.0	400	16
211	A. Y. Montgomery MATAMATA ..	45.9	55.2	36.7	401	13
46	W. Halligan TE AROHA ..	48.5	57.9	39.1	408	11
340	C. E. Christensen WAIHI ..	47.4	56.6	38.2	1018	14
100	Wm. C. Morris TAURANGA ..	48.6	57.3	39.9	644	14
925	C. J. Butcher ROTORUA ..	46.4	55.1	37.7	652	13
60	W. E. Penno NEW PLYMOUTH ..	48.7	55.2	42.2	635	16
2080	G. H. Dolby TAIHAPE ..	41.7	46.8	36.7	385	18
100	A. R. Fannin PALMERSTON NORTH ..	48.0	52.8	43.2	301	12
8	J. A. Colquhoun TANGIMOANA ..	47.6	55.7	39.5	332	16
119	T. E. Stringer CENTRAL DEVELOPMENT FARM, WERAROA	47.0	55.0	39.1	384	16
5	J. E. Sharp NAPIER ..	48.0	54.8	41.2	800	18
377	Chas. L. Thomas MASTERTON ..	45.2	52.6	37.8	791	21
186	R. Brown GREYTOWN ..	45.4	53.3	37.5	787	18
10	W. Allan WELLINGTON ..	47.2	52.8	41.6	544	17
11	SOUTH ISLAND.					
11	TAKAKA, NELSON ..	45.3	53.8	36.9	833	12
34	J. H. Scott NELSON ..	43.8	51.6	35.9	300	12
1220	H. Harrison HANMER SPRINGS ..	36.2	44.8	27.6	332	14
25	W. Montgomery CHRISTCHURCH ..	40.4	47.4	33.3	361	14
42	H. F. Skey LINCOLN ..	40.1	48.3	31.9	429	11
1220	D. J. Sidey KISSELTON ..	40.5	53.3	27.7	267	13
349	E. T. Cockburn RAKAIA ..	39.2	47.3	31.1	410	9
323	Miss A. Hardy ASHBURTON ..	38.3	46.5	30.2	354	10
1000	H. P. Clayton FAIRLIE ..	..	..	..	..	..
2350	A. J. Grant LAKE TEKAPO ..	27.5	36.2	18.8	103	3
130	R. R. Beauchamp TIMARU ..	39.2	47.6	30.9	263	10
200	Caretaker of Domain WAIMATE ..	38.9	47.8	30.0	374	9
1550	F. Akhurst SANATORIUM, WAIPIATA	33.1	41.9	24.3	43	5
1000	Dr. A. Kidd OPHIR ..	28.3	37.5	19.1	26	3
300	Rev. A. Don DUNEDIN ..	42.1	48.7	35.6	261	10
245	D. Tannock GORE ..	..	..	..	..	..
12	A. T. Newman HOKITIKA ..	43.0	52.7	33.3	433	14
12	J. A. Chesney INVERCARGILL ..	39.3	47.3	31.4	105	12
	L. Lennie					
	LATE RETURN.					
1220	KISSELTON—May, 1927	51.3	66.0	36.6	272	9

SUMMARY FOR THE MONTH OF JUNE, 1927.

With the exception of two fair-weather periods—viz., from the 1st to 6th and between the 14th and 16th—when anticyclonic conditions ruled, June proved a cold, unsettled month.

During the second week an intense westerly depression held sway with unsettled, and, at times, stormy weather. Strong northerly winds changed to southerlies about the 12th, which brought a very cold snap and snow in many parts on the 12th and 13th. From the 17th to the close of the month several disturbances of both subtropical and antarctic origin were responsible for further unsettled conditions.

The percentages of rainfall, compared with the means of former years, were heavier in the northern and east coast districts of both Islands, and, as usually happens when the balance falls on the eastern side, the western and southern districts of the South Island experienced lighter rainfalls than usual. The excess in Hawke's Bay and Canterbury, which in some cases was over 100 per cent., was generally welcomed, as rainfall had been deficient for some time.

Temperatures were again below the mean of former years, and instances of particularly low records are available, especially from Otago: For example, Ophir on the 30th recorded a minimum temperature in the shade of 9 degrees Fah.; Waipiaata on the 19th, 12 degrees Fah.; Te Kapo on the 20th, 4 degrees Fah.; Lake Coleridge on the 20th, 15 degrees Fah.

Some frosts, especially in Otago, were regarded as the most severe for over forty years. Christchurch reports this as being the coldest June, excepting June, 1903, since the establishment of the Observatory.

Generally there was little wind during the month except on the few days when storms were in evidence, and, although conditions were cold and changeable, they were, on the whole, seasonable.

B. V. PEMBERTON, Acting-Director.