

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of June, 1921. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	From Self-regulating Instruments, for Twenty-four Hours previously.						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.	Solar Radiation.	Terrestrial Radiation.	Veloc. Wind, in Miles.			
1	29-810	55.5	51.1	53.3	73.0	48.9	436	10	N.	17
2	29-704	56.0	50.1	53.0	103.0	49.6	156	10	S.	42
3	29-841	54.3	47.5	50.9	78.0	46.1	377	10	S.S.W.	48
4	30-093	48.9	46.8	47.8	57.0	43.8	443	9	S.S.W.	..
5	30-288	52.9	39.1	46.0	106.0	28.0	198	0	N.E.	..
6	30-180	56.5	37.3	46.9	100.0	28.1	43	10	N.E.	..
7	30-018	55.6	49.4	52.5	110.0	45.7	314	5	N.N.W.	8
8	30-298	56.9	43.1	50.0	96.0	31.8	256	0	N.E.	Trace
9	30-219	56.8	44.6	50.7	100.0	32.0	169	3	N.E.	..
10	30-367	56.5	35.1	45.8	102.0	23.8	84	5	N.E.	Trace
11	30-115	55.4	48.0	51.7	106.0	43.8	249	10	N.W.	17
12	30-018	57.6	52.1	54.8	84.0	49.9	292	10	N.	12
13	29-728	59.4	56.1	57.7	102.0	55.0	452	10	N.N.W.	23
14	29-941	57.3	45.9	51.6	84.0	49.0	243	8	S.W.	3
15	30-160	59.0	46.0	52.5	105.0	36.0	161	10	S.	Trace
16	30-331	52.6	47.2	49.9	72.0	41.7	221	9	S.S.E.	23
17	29-690	58.0	48.2	53.1	84.0	45.7	158	10	E.N.E.	5
18	29-780	62.0	58.0	60.0	93.0	49.0	345	6	N.W.	1
19	30-025	57.1	46.3	51.7	106.0	34.9	181	10	Calm	Trace
20	30-059	56.8	46.2	51.5	103.0	37.0	146	9	N.E.	6
21	30-077	56.8	48.9	52.8	98.0	42.0	66	10	N.	7
22	30-066	53.5	45.3	49.4	66.0	37.8	53	10	S.	116
23	29-894	52.0	48.2	50.1	61.0	48.0	300	10	S.	3
24	29-492	53.0	46.6	49.8	68.0	38.0	217	9	N.W.	Trace
25	29-612	58.8	41.1	49.9	107.0	30.0	179	3	N.W.	..
26	29-524	58.1	50.0	54.0	110.0	43.2	216	4	W.	2
27	29-832	57.8	47.2	52.5	109.0	48.9	313	8	S.W.	3
28	30-211	47.0	33.2	40.1	87.0	24.0	297	8	Calm	..
29	30-325	51.2	30.9	41.0	97.0	22.4	34	0	Calm	Trace
30	30-332	53.9	37.8	45.8	100.0	31.4	181	5	N.	Trace
31	..	..	..	..	..	..	..	..	..	..
*	30-001	55.6	45.6	50.6	92.2	39.5	226	7.4	..	336
†	29-949	54.7	44.3	49.5	86.5	37.2	205	..	..	493

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
6	6	1	..	7	2	1	4	3

NOTE.—An average winter month, with barometric pressure and sunshine slightly above the mean, and precipitation 32 per cent. below the average of previous years. Total bright sunshine 104 hours 38 minutes, and seven sunless days, 37 per cent. of the possible. Frost was recorded on the grass on nine mornings. Mean earth-temperature at 1 ft. was 49.8°, and 53.6° at 3 ft. Mean dew-point, 44.4°; and mean elastic force of vapour, 0.293 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

June, 1921.

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 (4 Point or more).
			Max. Temp.	Min. Temp.		
	<b>NORTH ISLAND.</b>	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	54.8	59.9	49.8	685	17
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	50.6	59.6	41.6	516	16
46	TE AROHA .. G. F. McGirr	52.8	60.3	45.4	915	14
340	WAIHI .. C. F. Sims	50.8	58.6	43.0	932	17
100	TAURANGA .. C. J. Butcher	50.8	59.4	42.3	691	17
925	ROTORUA .. G. J. O'Brien	..	..	..	..	..
..	NEW PLYMOUTH ..	..	..	..	..	..
250	MOUMAHAKI .. J. G. McFarlane	50.1	59.4	40.9	223	11
2080	TAIHAPE .. A. R. Fannin	44.8	50.6	39.1	375	21
100	PALMERSTON NORTH .. J. A. Colquhoun	..	56.6	..	294	15
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	49.0	56.2	41.9	359	16
70	GREENMEADOWS, NA-PIER	51.4	58.8	44.1	242	11
377	MASTERTON .. R. Brown	48.0	56.4	39.6	321	13
186	GREYTOWN .. J. P. Eccleston	49.1	58.4	39.8	354	8
..	TRENTHAM MILITARY HOSPITAL	44.8	49.6	40.1	324	11
10	WELLINGTON ..	50.6	55.6	45.6	336	17
..	<b>SOUTH ISLAND.</b>					
..	BRIGHTWATER .. Ven. Archdeacon Kempthorne	47.8	58.1	37.6	275	10
34	NELSON .. Wm. C. Davies	48.0	56.0	40.0	226	12
1220	HANMER SPRINGS .. W. G. Morrison	45.5	51.2	33.8	170	13
25	CHRISTCHURCH .. H. F. Skey	45.2	52.2	38.2	311	14
42	LINCOLN .. Wm. C. Purdie	45.6	54.3	36.9	284	14
1220	KISSILTON .. A. R. Blackwood	43.5	53.8	33.3	362	8
..	RAKAIA .. Miss A. Hardy	43.5	51.8	35.2	242	8
130	TIMARU .. Caretaker of Domain	44.0	51.9	36.1	285	11
200	WAIMATE .. F. Akhurst	42.6	51.2	34.0	373	14
300	DUNEDIN .. D. Tannock	42.0	44.4	39.7	245	12
245	GORE .. A. T. Newman	40.0	47.3	32.8	434	14
12	HOKITIKA .. J. A. Chesney	46.7	54.7	38.8	1127	19
12	INVERCARGILL .. L. Lennie	42.9	50.1	35.7	586	20

SUMMARY FOR THE MONTH OF JUNE, 1921.

June proved a favourable winter month, with mild fair-to-cloudy weather ruling. There were, however, several days on which heavy rain fell in different parts of the Dominion, particularly about the 1st and 3rd, 12th and 13th, 15th, 16th, and between the 23rd and 26th. On the 15th and 16th very heavy rain caused floods in many of the rivers in the northern districts of the North Island on account of a cyclone, the centre of which passed down the west coast of the North Island and in the vicinity of Cook Strait on the night of the 17th.

Several other disturbances of both tropical and antarctic origin were in evidence during the month, but were generally of only minor intensity, except one centred between the Chatham Islands and the east coast of the South Island from the 23rd to 26th. During this period snow fell on much of the high country in the South Island, with squally south-west winds.

The aggregate month's rainfall was above the mean in the northernmost portion of the North Island and in most parts southward of Greymouth and Christchurch in the South Island, but elsewhere it was deficient.

D. C. BATES, Director.