

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of August, 1919. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 49°.	From Self-registering 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.	Direction of Wind.			
1	29.481	54.2	49.5	51.8	63.0	49.7	240	10	S.	27	
2	29.441	54.2	47.5	50.8	87.0	44.1	199	5	N.W.	11	
3	29.470	55.8	48.5	52.1	113.0	43.0	329	9	N.W.	..	
4	29.679	55.8	49.9	52.8	113.0	42.1	329	1	N.W.	4	
5	29.862	55.9	39.1	47.5	111.0	28.1	193	9	S.	33	
6	30.065	50.2	41.2	45.7	76.0	37.5	411	10	S.	21	
7	30.153	46.3	41.9	44.1	78.0	39.0	483	8	SSE	24	
8	30.188	48.3	42.2	45.2	96.0	39.2	423	9	S.	2	
9	30.268	47.6	38.0	40.3	101.0	28.0	190	0	N.	22	
10	30.301	51.0	43.0	47.0	110.0	37.2	273	10	S.	11	
11	30.250	48.0	33.0	40.5	62.0	22.0	136	10	N.	..	
12	30.089	54.9	47.2	51.0	114.0	39.5	263	3	N.	..	
13	30.294	59.0	49.1	54.0	111.0	42.0	228	10	S.	..	
14	30.339	56.3	44.4	50.3	110.0	31.3	194	10	NNW	..	
15	30.184	54.9	50.8	52.8	97.0	47.0	336	8	N.W.	12	
16	29.814	57.7	51.3	54.5	113.0	48.7	399	9	NNW	Trace	
17	29.977	57.2	41.9	49.5	102.0	31.0	94	3	Calm	104	
18	29.687	58.7	46.8	52.7	111.0	42.7	132	6	NNW	39	
19	29.581	53.6	48.0	50.8	111.0	44.2	329	10	N.W.	4	
20	29.701	59.8	40.7	50.2	120.0	28.5	115	0	W.	..	
21	30.190	59.9	38.0	48.9	115.0	25.0	248	0	N.	..	
22	29.959	53.7	47.2	50.4	114.0	41.6	358	9	N.W.	3	
23	29.803	55.9	50.2	53.0	114.0	44.6	356	10	S.	..	
24	30.063	51.9	34.4	43.1	92.0	22.5	138	1	N.W.	..	
25	30.100	56.5	43.6	50.0	111.0	29.6	137	1	N.W.	..	
26	30.130	54.7	47.1	50.9	111.0	40.3	306	9	N.W.	..	
27	30.228	54.2	44.8	49.6	114.0	36.4	196	9	NNW	2	
28	30.072	57.3	47.1	52.2	112.0	41.0	149	10	S.E.	22	
29	29.921	53.8	49.1	51.4	76.0	47.8	159	10	ENE	1	
30	29.793	59.0	51.7	55.3	103.0	44.6	134	5	ENE	..	
31	29.487	64.5	44.4	54.4	127.0	35.1	72	2	N.W.	..	
*	29.954	54.9	44.7	49.8	102.8	37.7	244	6.6	..	342	
†	29.948	54.2	42.7	48.4	94.9	35.7	215	455	

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
8	..	2	1	8	..	1	10	1

NOTE.—The weather during the month has been cloudy and showery, with moderate to strong N. and N.W. winds prevailing. Total bright sunshine 117 hours 23 minutes, and six sunless days. Frost was recorded on the grass on nine mornings. Mean earth-temperature at 1 ft. was 48.6°, and 50.6° at 3 ft. Mean dew-point, 43.9°; mean elastic force of vapour, 0.287 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
August, 1919.

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)
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 50.8	Deg. 57.6	Deg. 44.0	Points. 300	Dys. 19
46	TE AROHA .. G. F. McGirr	49.3	60.2	38.5	586	19
925	ROTORUA .. J. R. Cummins	49.3	58.8	39.9	524	12
340	WAIHI .. P. A. Clifford	48.9	58.2	39.6	694	17
..	TAURANGA .. C. J. Butcher	49.8	58.6	41.1	703	14
160	NEW PLYMOUTH .. W. W. Smith	50.1	57.6	42.6	504	21
250	MOUMAHAKI .. T. W. Lonsdale	47.6	56.2	39.0	286	18
2080	TAIHAPE .. A. R. Fannin	43.6	49.4	37.9	412	21
100	PALMERSTON NORTH .. J. A. Colquhoun	50.1	55.4	44.8	384	17
119	CENTRAL DEVELOPMENT FARM, WERAROA .. J. Beverley	48.3	55.3	41.3	427	20
186	GREYTOWN .. W. C. Davies	48.3	56.9	39.8	363	17
377	MASTERTON* .. Wm. Hood	47.6	57.3	38.0	393	19
70	GREENMEADOWS, NAPIER .. T. B. McBreen	50.3	58.2	42.5	365	10
..	TRENTHAM MILITARY CAMP .. Lieut.-Col. Leahy	47.9	55.2	40.6	427	14
10	WELLINGTON ..	49.8	54.9	44.7	342	17
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	47.4	56.0	38.8	258	14
34	NELSON .. J. R. Dart	..	55.5	..	224	11
1220	HANMER SPA .. G. J. O'Brien	44.5	52.3	36.7	445	11
25	CHRISTCHURCH .. H. F. Skey	46.5	53.4	39.6	158	14
42	LINCOLN .. L. J. Wild	46.2	54.8	37.7	196	12
1220	KISSELTON .. A. R. Blackwood	45.5	54.7	36.4	65	4
..	RAKAIA .. Miss A. Hardy	45.2	55.0	35.4	176	7
130	TIMARU .. Caretaker of Domain	45.2	53.4	37.1	319	12
200	WAIMATE .. F. Akhurst	44.3	51.9	36.6	465	14
300	DUNEDIN .. D. Tannock	45.6	52.4	38.9	748	18
245	GORE .. H. Dolamore	42.2	50.5	33.9	296	22
12	HOKITIKA .. W. H. Fleming	46.7	53.7	39.8	865	21
12	INVERCARGILL .. L. Lennie	43.8	51.8	35.9	534	22
..	* June, 1919	46.2	57.1	35.3	263	15

SUMMARY FOR THE MONTH OF AUGUST, 1919.

During the month of August the total rainfall exceeded the average in the southern half of the South Island and in the Hawke's Bay and Gisborne districts of the North Island, while elsewhere it was generally deficient. Precipitation was usually of a showery nature, but fairly general rains occurred about the 1st, between the 15th and 17th, and from the 28th to the close of the month.

Disturbances were somewhat frequent and chiefly of a westerly type, with lowest pressure passing south of the Dominion. The most notable depression, however, was a cyclone which apparently developed off the New South Wales coast about the 25th, and came within effective distance of the Dominion on the 28th. Its centre passed down the west coast of New Zealand between the 28th and 31st, and on the morning of the latter day was located off Puysegur Point. During this period stormy conditions were experienced in many parts. Anti-cyclones were in evidence at various times, but owing to their centres passing too far north or south they were never favourable to settled conditions over the Dominion as a whole. Though brief periods of fair weather were experienced in different parts, the weather generally was of an unsettled nature.

B. V. PEMBERTON, Acting-Director.