

Government Meteorological Observatory.

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

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to last 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.			
		Fah.	Fah.	Fah.	Fah.	Fah.				
1	29-138	54.9	49.2	52.0	107.0	46.3	213	10	N.N.W.	16
2	29-188	55.5	47.2	51.3	118.0	42.5	390	7	W.N.W.	19
3	29-230	55.8	48.7	52.2	107.0	45.0	388	4	N.W.	49
4	29-184	55.9	50.3	53.1	99.0	43.0	429	8	N.W.	88
5	28-902	56.4	46.2	51.3	89.0	43.7	469	1	W.N.W.	4
6	29-209	56.2	41.9	49.0	109.0	35.3	186	8	S.	9
7	29-384	47.9	30.7	39.3	97.0	23.8	113	1	N.W.	7
8	29-808	52.3	31.7	42.0	104.0	21.4	246	0	E.	9
9	30-060	52.0	42.4	47.2	103.0	34.8	138	9	Calm	Trace
10	30-206	56.0	44.1	50.0	104.0	35.6	154	9	N.N.E.	Trace
11	30-174	58.5	51.3	54.9	110.0	45.8	299	10	N.W.	..
12	30-363	59.0	47.7	53.3	61.0	41.8	287	10	S.	..
13	30-156	56.2	49.8	53.0	95.0	49.6	226	9	N.W.	6
14	29-901	55.0	51.0	53.0	94.0	46.8	493	4	N.N.W.	..
15	30-016	58.2	40.1	49.1	111.0	32.9	191	8	S.S.W.	22
16	30-032	49.7	43.1	46.4	63.0	42.8	404	10	S.	..
17	30-161	51.5	34.7	43.1	131.0	29.0	131	1	Calm	..
18	30-147	54.8	38.0	46.4	112.0	30.2	152	3	N.	..
19	30-339	57.0	40.0	48.5	114.0	31.8	113	8	N.N.E.	..
20	30-396	59.2	43.0	51.1	117.0	37.1	148	1	N.E.	6
21	30-369	57.3	49.0	53.1	114.0	45.1	247	2	N.	..
22	30-486	57.0	34.2	45.6	111.0	26.2	83	0	Calm	..
23	30-398	60.3	36.8	48.5	112.0	30.7	71	8	N.	..
24	30-385	56.3	37.3	46.8	102.0	30.6	105	3	S.E.	..
25	30-511	55.7	35.4	45.5	115.0	27.6	178	2	S.E.	..
26	30-482	59.6	32.6	46.1	125.0	23.6	49	0	Calm	..
27	30-337	57.8	33.2	45.5	109.0	25.0	40	0	N.E.	..
28	30-163	56.9	45.9	51.4	112.0	43.8	229	8	N.	12
29	29-932	54.7	50.1	52.4	106.0	49.0	364	3	N.W.	18
30	29-978	57.0	42.8	49.9	113.0	44.8	283	10	S.S.W.	60
31	30-131	52.1	42.9	47.5	106.0	41.9	521	8	S.	..
*	29-973	55.7	42.3	49.0	105.5	37.0	237	5.3	..	325
†	29-948	54.4	42.8	48.6	94.9	35.7	215	447

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
8	2	1	2	6	..	2	6	4

NOTE.—A mild winter month, with barometric pressure, temperatures, and sunshine above the mean, and precipitation 27 per cent. below the mean of previous years. Total bright sunshine, 177 hours 55 minutes, 55 per cent. of the possible, and three sunless days. The maximum atmospheric pressure for the month was 30.511 in. on the 25th, and the minimum 28.902 in. on the 5th. A heavy thunderstorm occurred on the 4th, fog on the 22nd, and hail fell on the 2nd, 4th, and 7th. Frost was recorded on the grass on eleven mornings. Mean earth temperature at 1 ft. was 47.7°, and 50.6° at 3 ft. Mean dew-point, 42.2°; mean elastic force of vapour, 0.269 in.; and mean relative humidity, 78 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
August, 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.		
Ft.		Deg.	Deg.	Deg.	Points.	Dys
125	NORTH ISLAND. AUCKLAND ..	52.6	58.2	47.1	259	16
131	F. A. F. Burnett RUAKURA FARM, HAMILTON EAST W. B. Modro	49.2	59.3	39.1	296	12
46	TE AROHA ..	50.2	57.0	43.5	268	16
340	G. F. McGirr WAIHI ..	49.7	58.2	41.3	356	18
100	C. F. Sims TAURANGA ..	49.3	58.9	39.7	153	11
925	C. J. Butcher ROTORUA ..	47.2	56.1	38.3	399	13
..	G. J. O'Brien NEW PLYMOUTH ..	51.4	57.6	45.1	346	17
250	MOUMAHARI J. G. McFarlane	47.7	56.2	39.3	620	16
2080	TAIHAPE ..	43.2	49.2	37.3	377	19
100	A. R. Fannin PALMERSTON NORTH ..	48.3	56.0	40.7	509	16
119	J. A. Colquhoun CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	47.7	55.5	40.0	468	15
70	GREENMEADOWS, NA- PIER	50.9	58.8	43.1	271	15
377	MASTERTON ..	47.3	56.5	38.1	414	13
186	R. Brown GREYTOWN ..	47.3	56.8	37.9	390	14
..	J. P. Eccleton TRENTHAM MILITARY HOSPITAL	44.4	50.8	38.1	419	8
10	WELLINGTON ..	49.0	55.7	42.3	325	14
..	SOUTH ISLAND. BRIGHTWATER ..	46.1	55.9	36.3	292	11
34	Ven. Archdeacon Kempthorne NELSON ..	47.5	56.4	38.6	247	12
1220	Wm. C. Davies HANMER SPRINGS ..	42.3	52.0	32.6	511	10
25	W. G. Morrison CHRISTCHURCH ..	45.3	53.9	36.7	119	10
42	H. F. Skey LINCOLN ..	46.2	56.4	36.0	141	6
1220	Wm. C. Purdie KISSELTON ..	43.6	53.2	34.0	421	10
..	A. R. Blackwood RAKAIA ..	45.2	55.7	34.7	221	6
130	Miss A. Hardy TIMARU ..	44.8	53.5	36.1	133	7
200	Caretaker of Domain WAIMATE ..	44.4	52.5	36.3	127	8
300	F. Akhurst DUNEDIN ..	44.2	49.1	39.4	235	12
245	D. Tannock GOBE ..	43.2	52.2	34.3	192	18
12	A. T. Newman HOKITIKA ..	45.3	52.8	37.9	1571	22
12	J. A. Chesney INVERCARGILL ..	43.5	51.8	35.3	365	21
..	L. Leunie LINCOLN, JULY, 1921	44.9	53.7	36.1	77	9

SUMMARY FOR THE MONTH OF AUGUST, 1921.

During the first week of August an intense and extensive Antarctic storm was responsible for high westerly winds and unsettled boisterous conditions. On the 4th and 5th atmospheric pressure as low as 28.60 in. occurred in southern parts of the South Island.

Thunderstorms were frequent while the storm lasted, and on the night of the 4th a severe one was experienced at Wellington.

With the change of wind to southerly, about the 6th, snow fell in many parts of the South Island and on high levels in the North.

The middle and end of the month proved somewhat unsettled on account of small depressions to the southward of New Zealand, but, except during the first week, the weather generally was under anticyclonic control, and proved very favourable for a winter month. Rainfall, however, was deficient over most of the Dominion, above-average totals only being recorded in the West Coast and southern districts of the South Island, and at a few westerly stations in the North.

D. C. BATES, Director.