

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of November, 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	29.790	Fah. 51.4	Fah. 43.1	Fah. 47.2	99.0	37.5	134	9	Calm	11	
2	29.512	57.9	47.9	52.9	117.0	46.8	37	10	N.	Trace	
3	29.394	58.8	50.5	54.6	110.0	49.8	170	7	N.N.	57	
4	29.653	59.3	40.2	49.7	120.0	31.2	286	4	NNW	8	
5	29.907	60.3	43.6	51.9	129.0	34.1	227	2	N.W.	..	
6	29.666	58.5	51.7	55.1	134.0	49.0	581	3	N.W.	8	
7	29.473	60.2	55.3	57.7	123.0	53.1	743	10	N.W.	39	
8	29.289	58.0	50.3	54.1	118.0	46.4	473	2	W.	..	
9	29.719	58.8	43.9	51.3	123.0	38.5	297	1	W.	..	
10	30.062	59.4	41.8	50.6	132.0	31.4	169	0	N.W.	..	
11	30.095	63.3	53.9	58.6	126.0	52.0	351	10	NNW	..	
12	30.154	60.7	54.3	57.5	136.0	54.5	345	10	NNE	..	
13	30.331	65.8	52.5	59.1	135.0	44.8	128	5	E.	..	
14	30.317	69.7	50.3	60.0	151.0	41.8	100	6	N.	..	
15	30.242	64.0	56.1	60.0	131.0	53.7	225	7	N.	..	
16	30.137	61.4	55.9	60.1	136.0	52.8	317	8	N.W.	..	
17	29.949	62.0	57.4	59.7	138.0	51.8	515	8	NNW	..	
18	29.870	65.4	58.6	62.0	133.0	57.2	440	10	N.W.	32	
19	29.641	64.5	58.1	61.3	137.0	56.2	328	5	N.W.	Trace	
20	29.752	61.9	50.5	57.7	137.0	48.4	305	10	S.	1	
21	29.763	59.6	47.8	53.7	139.0	37.5	207	9	N.W.	23	
22	29.876	60.0	49.8	54.9	119.0	41.7	246	2	S.	59	
23	29.810	65.3	48.0	56.6	131.0	47.0	221	10	S.	74	
24	30.066	55.4	47.0	51.2	123.0	44.9	574	4	S.	..	
25	29.611	63.4	52.0	57.7	134.0	46.8	323	9	N.W.	..	
26	29.532	69.3	44.0	56.6	141.0	34.7	177	6	WNW	..	
27	29.530	65.1	47.4	56.2	137.0	37.2	226	10	N.W.	22	
28	29.287	57.6	52.0	54.8	125.0	48.3	378	4	WNW	..	
29	29.653	61.7	51.2	56.4	129.0	45.3	273	9	N.W.	Trace	
30	29.723	59.4	41.8	50.6	136.0	30.1	173	1	N.W.	..	
*	29.793	61.5	49.9	55.7	129.3	44.9	299	6.4	..	334	
†	29.873	63.5	50.3	56.9	120.2	43.6	271	..	..	356

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
7	..	1	..	4	..	4	13	1

NOTE.—Fine weather ruled between the 8th and 18th, and during the latter part of November, but cloudy and unsettled weather was experienced during the remainder of the month. Total bright sunshine, 191 hours 48 minutes, and three sunless days. Frost was recorded on the grass on three mornings. A heavy N.W. gale blew on the 7th, the record showing a total of 743 miles for the twenty-four hours, giving an average of thirty-one miles per hour. Mean earth temperature at 1 ft. was 59°, and 57.9° at 3 ft. Mean dewpoint, 47.1°; mean elastic force of vapour, 0.324 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

November, 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. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 58.9	Deg. 64.7	Deg. 53.1	Points. 256	Dys. 18
46	TE AROHA .. G. F. McGirr	..	..	..	375	..
925	ROTORUA .. J. R. Cummins	56.2	66.6	45.9	146	..
340	WAIHI .. P. A. Clifford	57.9	66.8	49.1	396	18
..	TAURANGA .. C. J. Butcher	56.2	66.2	46.3	283	13
160	NEW PLYMOUTH .. W. W. Smith	55.9	63.8	48.1	556	21
250	MOUMAHAKI .. T. W. Lonsdale	55.2	65.7	44.8	396	14
2080	TAIHAPE .. A. R. Fannin	50.3	57.8	42.8	396	20
100	PALMERSTON NORTH .. J. E. Vernon*	..	..	..	..	..
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	54.2	60.7	47.8	321	22
186	GREYTOWN .. W. C. Davies	55.1	66.2	44.8	363	14
377	MASTERTON .. Wm. Hood	55.6	67.0	44.3	216	14
70	GREENMEADOWS, NAPIER T. B. McBreen	58.6	68.1	49.0	165	6
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	53.5	61.0	46.1	272	..
10	WELLINGTON ..	55.7	61.5	49.9	334	11
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	56.6	66.0	47.3	189	11
34	NELSON .. J. R. Dart	56.7	66.2	47.3	223	12
1220	HANMER SPA .. Miss M. Stewart	51.3	60.9	41.8	558	14
25	CHRISTCHURCH .. H. F. Skey	54.4	63.7	45.0	230	16
42	LINCOLN .. L. J. Wild	54.7	64.7	44.8	277	15
1220	KISSLTON .. A. R. Blackwood	47.8	59.3	36.4	595	..
..	RAKAI .. Miss A. Hardy	53.0	62.9	43.2	309	11
130	TIKAPU .. Caretaker of Domain	54.1	63.5	44.7	339	14
200	WAIMATE .. F. Akhurst	51.9	60.2	43.6	387	17
300	DUNEDIN .. D. Tannock	51.4	59.2	43.7	469	16
245	GORE .. H. Dolamore	50.0	60.3	39.8	368	18
12	HOKITIKA .. W. H. Fleming	52.5	58.9	46.1	1400	24
12	INVERCARGILL .. L. Lennie	50.5	59.3	41.8	491	22
..	* October	54.4	61.9	47.0	438	19

SUMMARY FOR THE MONTH OF NOVEMBER, 1918.

Anticyclonic conditions ruled between the 11th and 15th, and during this period fine weather was experienced generally. On various other days the weather was fair in different parts of the Dominion, but as a whole the remainder of the month was characterized by unsettled conditions, the result of numerous atmospheric depressions which passed over or within effective range of New Zealand.

The worst storm was an intense westerly low-pressure area which was in evidence between the 5th and 9th. On the 7th the barometer at the Bluff fell as low as 28.77 in., and at this time heavy north-west gales were experienced in and southward of Cook Strait.

The total month's rainfall was generally considerably above the average over the South Island, and also in the middle portion of the North. The northern and southernmost districts of the North Island recorded less than the average.

D. C. BATES, Director.