

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of October, 1920. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to 30 in. Hg.	From Self-regulating Instruments, for Twenty-four Hours previously.					Solar Radia-tion.	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	29.670	54.2	46.9	50.5	93.0	45.8	447	6	Calm	..	..
2	29.998	62.2	44.0	53.1	118.0	34.7	57	9	S.	20	..	
3	30.102	58.4	46.9	52.6	101.0	43.0	208	10	S.S.E.	..	..
4	30.161	54.8	46.0	50.4	108.0	42.0	307	3	S.S.E.	..	..
5	30.060	53.2	34.2	43.7	118.0	21.1	167	1	S.E.	..	..
6	30.009	57.3	40.0	48.6	122.0	27.8	57	1	S.E.	11	..	
7	29.806	57.9	43.0	50.4	119.0	30.0	230	10	S.S.W.	10	..	
8	30.064	55.8	43.0	49.4	119.0	31.0	129	2	N.	Trace	..	
9	29.904	57.7	52.1	54.9	126.0	48.1	372	10	N.W.	..	..
10	30.113	60.4	51.9	56.1	121.0	47.3	217	6	N.W.	..	..
11	30.216	63.0	53.6	58.3	134.0	51.0	266	9	N.	..	..
12	30.321	58.8	54.8	56.8	116.0	53.0	237	8	N.N.W.	..	..
13	30.067	60.3	55.9	58.1	130.0	53.7	404	8	N.N.W.	43	..	
14	29.808	62.7	52.3	57.5	125.0	49.1	366	9	N.	Trace	..	
15	29.838	58.5	53.1	55.8	131.0	49.5	468	9	N.N.W.	5	..	
16	29.742	58.5	53.3	55.9	135.0	52.9	543	7	N.W.	..	..
17	30.108	60.0	49.6	54.8	126.0	44.9	294	6	S.S.W.	..	..
18	30.250	58.1	37.7	47.9	126.0	27.5	141	3	N.	..	..
19	30.232	61.1	51.1	56.1	125.0	39.8	196	9	N.N.W.	..	..
20	30.036	60.8	51.9	56.3	131.0	50.8	406	9	N.N.W.	..	..
21	29.997	61.2	53.4	57.3	119.0	49.5	367	3	N.W.	..	..
22	30.293	64.1	50.6	57.3	128.0	40.9	414	10	S.S.E.	..	..
23	30.254	58.0	37.4	47.7	118.0	27.5	277	5	N.N.W.	..	..
24	30.167	60.8	54.1	57.4	136.0	51.8	522	4	N.W.	21	..	
25	30.073	61.1	47.9	54.5	128.0	47.6	508	10	S.S.E.	50	..	
26	30.240	48.8	44.0	46.4	65.0	42.8	364	10	S.E.	67	..	
27	29.963	62.8	47.4	55.1	87.0	47.2	130	10	N.	11	..	
28	30.017	62.2	58.0	60.1	97.0	57.3	463	10	N.N.W.	2	..	
29	30.114	62.0	53.1	57.5	128.0	48.8	381	1	N.	..	..
30	29.932	61.0	53.4	57.2	125.0	51.1	433	7	N.N.W.	89	..	
31	30.002	59.1	45.2	52.1	131.0	44.4	411	9	S.	12	..	
*	30.050	59.2	48.6	53.9	118.9	43.7	316	6.9	..	..	34.1
†	29.884	60.3	48.0	54.1	113.7	41.2	283	..	..	..	41.3

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
14	3	8	..	..	5	1

NOTE.—The weather during October has been cloudy and showery, with high northerly winds prevailing. Precipitation was 17 per cent. below the mean of previous years, the major portion of which fell during the latter part of the month. Frost was recorded on the grass on six mornings. Total bright sunshine 166 hours 2 minutes, and four sunless days. Mean earth temperature at 1 ft. was 55.2°, and 54.7° at 3 ft. Mean dew-point, 47.2°; mean elastic force of vapour, 0.325 in.; and mean relative humidity, 78 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

October, 1920.

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.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND ..	57.4	62.9	51.9	294	11
	F. A. F. Burnett					
46	TE AROHA ..	54.1	63.8	44.4	387	7
	G. F. McGirr					
925	ROTORUA ..	55.6	66.4	44.8	338	9
	L. Bayfield					
340	WAIHI ..	54.7	65.9	43.6	448	10
	P. A. Clifford					
..	TAURANGA ..	55.1	64.6	45.6	387	8
	C. J. Butcher					
160	NEW PLYMOUTH ..	55.6	62.2	49.0	1218	18
	W. W. Smith					
250	MOUMAHAKI ..	52.8	62.4	43.3	639	13
	J. G. McFarlane					
2080	TAIHAPE ..	49.9	57.4	42.5	492	16
	A. R. Fannin					
100	PALMERSTON NORTH ..	53.2	60.7	45.7	577	16
	J. A. Colquhoun					
119	CENTRAL DEVELOPMENT FARM, WEAROA	53.6	60.0	47.3	786	18
	J. Beverley					
186	GREYTOWN ..	54.0	64.4	43.6	633	12
	T. W. Bowman					
377	MASTERTON ..	53.6	64.2	43.0	495	13
	R. Brown					
70	GREENMEADOWS, NAPIER	56.0	64.9	47.1	374	7
	T. B. McBreen					
..	TRENTHAM MILITARY HOSPITAL	51.2	57.1	45.4	367	8
10	WELLINGTON ..	53.9	59.2	48.6	341	12
..	SOUTH ISLAND.					
..	BRIGHTWATER ..	53.6	64.3	42.9	367	9
	Ven. Archdeacon Kempthorne					
34	NELSON ..	54.7	62.5	47.0	52	8
	J. Williams					
1220	HANMER SPA ..	52.3	63.0	41.6	481	11
	G. J. O'Brien					
25	CHRISTCHURCH ..	54.3	62.4	46.1	2	11
	H. F. Skey					
42	LINCOLN ..	53.7	63.5	44.0	1	9
	L. J. Wild					
1220	KISSELTON ..	52.2	63.6	40.9	144	7
	A. R. Blackwood					
..	RAKAIA ..	53.8	64.9	42.8	114	6
	Miss A. Hardy					
130	TIMARU ..	54.3	64.5	44.2	145	9
	Caretaker of Domain					
200	WAIMATE ..	52.1	61.6	42.6	124	10
	F. Akhurst					
300	DUNEDIN ..	..	..	43.2	157	13
	D. Tannock					
245	GORE ..	49.6	61.1	38.2	183	13
	A. T. Newman					
12	HOKITIKA ..	52.3	58.9	45.7	1359	20
	J. A. Chesney					
12	INVERCARGILL ..	50.3	61.3	39.4	..	..
	L. Lennie					

SUMMARY FOR THE MONTH OF OCTOBER, 1920.

Between the 6th and 12th and the 18th and 23rd anticyclones accounted for fair weather in most parts of the Dominion. During the remainder of the month conditions were dominated by a succession of depressions in higher latitudes, and as a result dull, unsettled, and windy weather was the rule, particularly in all the west coast districts. Rainfall was above the average in Taranaki and Manawatu and in parts of Hawke's Bay in the North Island, and in the western half of the South. Elsewhere precipitation was below normal.

Heavy rain fell over most of the North Island between the 25th and 28th, and severe floods occurred at this time in the west coast and central districts. At Inglewood, in Taranaki, a fall of 7.34 in. was recorded on the 25th.

Thunderstorms were experienced in various parts about the 15th and 16th, while a rather intense westerly disturbance was in evidence. At Waitakaro, in Gisborne district, 1.27 in. of rain fell in one hour during a thunderstorm.

D. C. BATES, Director.