

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of October, 1926. Observations taken at 9 a.m.

Altitude of Observatory, 10 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.			
1	30-188	61-4	48-1	54-7	117-9	47-1	232	10	S.E.	28
2	30-039	53-8	50-1	51-9	86-0	50-6	106	10	Calm	48
3	29-981	61-1	52-4	56-7	85-4	52-7	90	10	N.	62
4	29-615	65-0	51-1	58-0	106-7	51-1	63	10	N.E.	2
5	29-544	60-9	52-1	56-5	110-0	49-8	214	2	N.W.	4
6	29-531	62-0	51-2	56-6	119-0	43-2	207	7	S.E.	1
7	29-706	62-0	50-9	56-4	122-8	48-2	152	5	N.W.	44
8	29-694	59-8	53-8	56-8	130-1	53-0	356	10	N.W.	203
9	29-749	62-2	54-9	58-5	130-0	54-8	133	10	W.N.W.	120
10	29-699	60-1	49-8	54-9	80-0	50-2	151	10	S.	41
11	29-539	53-3	48-2	50-7	73-3	46-9	258	10	S.E.	2
12	29-922	52-6	41-0	46-8	76-2	40-0	510	10	S.E.	12
13	30-050	46-0	36-1	41-0	108-2	32-3	343	7	S.F.	Trace
14	29-900	50-8	39-4	45-1	116-1	31-3	121	9	Calm	Trace
15	29-735	56-6	47-5	52-0	104-3	44-9	55	9	S.E.	..
16	29-907	58-8	44-2	51-5	119-8	35-0	111	7	N.W.	51
17	29-499	59-3	52-2	55-7	110-1	50-9	423	9	N.W.	..
18	29-610	59-0	51-0	56-0	113-0	41-9	291	5	N.W.	8
19	29-492	62-3	52-1	57-2	119-8	50-8	406	4	N.W.	..
20	29-633	64-3	52-1	58-2	121-0	48-2	263	6	N.W.	..
21	29-974	62-0	43-1	52-5	113-0	34-1	112	10	N.W.	13
22	29-934	60-2	51-0	55-6	127-2	50-2	368	4	N.E.	..
23	30-239	65-2	45-4	55-3	131-2	36-0	93	3	N.E.	..
24	30-180	65-6	50-3	57-9	122-1	43-7	181	7	N.	..
25	29-973	62-0	54-3	58-1	129-1	52-1	460	8	N.N.W.	2
26	29-874	65-0	55-1	60-0	130-0	53-5	370	10	N.W.	1
27	29-764	62-2	53-2	57-7	127-2	52-0	376	9	W.N.W.	..
28	29-431	64-6	55-5	60-0	126-0	50-7	347	10	N.N.W.	12
29	29-525	69-2	49-1	59-1	130-3	48-0	388	8	S.E.	..
30	29-600	61-0	52-5	56-7	123-1	42-6	277	10	N.W.	1
31	29-790	69-0	48-2	58-6	130-3	39-2	320	10	N.N.W.	17
*	29-784	60-6	49-5	55-0	114-2	46-0	251	8-0	..	672
†	29-895	60-3	48-3	54-3	114-8	42-1	285	5-4	..	415

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
5	3	..	7	1	..	2	11	2

NOTE.—A dull but warm and moist month, with precipitation 62 per cent. above the mean of previous years. Total bright sunshine, 132 hours 5 minutes, 32 per cent. of the possible, and six sunless days. Thunder was heard on the 3rd., a slight fall of snow on the 12th, hail fell on 11th, 12th, and 13th, and a frost was recorded on the grass on the morning of the 14th. Mean earth temperature at 1 ft. was 56-3°, and 56-2° at 3 ft. Mean dew-point, 48-5°; mean elastic force of vapour, 0-342 in.; and mean relative humidity, 77 per cent. of saturation.

CLIMATOLOGICAL TABLE
MEANS AND TOTALS FROM CHIEF STATIONS.
October, 1926.

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 († Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 152	NORTH ISLAND. AUCKLAND ..	Deg. 58-3	Deg. 63-4	Deg. 53-2	Points. 755	21
131	RUAKURA FARM, HAMILTON EAST A. Y. Montgomery	57-3	66-6	48-1	822	17
211	MATAMATA .. W. Halligan	57-1	65-9	48-4	1000	20
46	TE AROHA .. C. E. Christensen	59-5	67-3	51-7	765	20
340	WAIHI .. C. F. Sims	58-5	66-3	50-7	1012	21
100	TAURANGA .. C. J. Butcher	58-2	65-8	50-6	886	24
925	ROTORUA .. W. E. Penno	55-2	62-6	47-8	1117	23
60	NEW PLYMOUTH .. G. H. Dolby	55-6	60-2	51-1	1213	23
2080	TAIHAPE .. A. R. Fannin	51-4	58-2	44-7	368	19
100	PALMERSTON NORTH .. J. A. Colquhoun	54-4	61-6	47-2	565	21
8	TANGIMOANA .. T. E. Stringer	56-0	62-8	49-2	747	22
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	55-4	60-4	50-4	921	24
5	NAPIER .. Chas. L. Thomas	58-5	65-9	51-1	174	16
377	MASTERTON .. R. Brown	54-1	62-9	45-3	527	17
186	GREYTOWN .. W. Allan	54-5	64-2	44-9	651	17
10	WELLINGTON ..	55-0	60-6	49-5	672	20
	SOUTH ISLAND.					
34	NELSON .. H. Harrison	54-5	61-8	47-8	483	16
1220	HANMER SPRINGS .. W. Montgomery	50-1	60-4	39-8	645	18
25	CHRISTCHURCH .. H. F. Skey	52-5	60-4	44-6	284	16
42	LINCOLN .. M. J. Scott	53-0	61-9	44-1	326	14
1220	KISSELTON .. A. E. Young	52-9	65-6	40-3	400	17
349	RAKAIA .. Miss A. Hardy	50-8	59-3	42-3	378	12
1000	FAIRLIE .. A. J. Grant	50-0	60-8	39-3	323	12
2350	LAKE TEKAPO .. R. R. BEAUCHAMP	45-3	55-1	35-4	394	13
180	TIMARU .. Caretaker of Domain	50-8	58-3	43-4	344	17
200	WAIMATE .. F. Akhurst	49-6	56-8	42-4	410	19
1550	SANATORIUM, WAIPIATA .. Dr. A. Kidd	46-4	55-0	37-9	162	13
1000	OPHIR .. Rev. A. Don	49-1	58-3	39-8	281	15
300	DUNEDIN .. D. Tannock	49-4	56-2	42-6	605	20
245	GORE .. A. T. Newman
12	HOKITIKA .. J. A. Chesney	52-5	58-7	46-3	1033	24
12	INVERCARGILL .. L. Lennie	49-1	56-7	41-5	435	17

SUMMARY FOR THE MONTH OF OCTOBER, 1926.

The weather of October was, for the most part, remarkably wet and, except in the Poverty and Hawke's Bay districts, and in Westland southward of Westport, both the total rainfall and number of wet days were everywhere above the average. Between the 10th and 12th an ex-tropical disturbance passed over the North Island, and stormy conditions were experienced. Very heavy rain fell at this time in the basin of the Waikato River, and caused the highest flood recorded for many years. Snow and hail also fell on the higher levels. A westerly depression between the 14th and 19th brought further unsettled weather, particularly to districts with a westerly aspect. From the 20th to the 24th anticyclonic pressure dominated, and this was the only period during the month when fair weather prevailed generally. An extensive westerly disturbance during the last week was complicated by a well-defined cyclonic system which invaded the larger area of low pressure. The centre of the latter storm passed through Cook Strait during the night of the 28th. There were some heavy rainfalls accompanying thunderstorms in the South at the close of the month. Frosts were not frequent, but a severe one on the morning of the 13th did considerable damage to tender spring growth at places in both Islands.

D. C. BATES, Director.