

Government Meteorological Observatory.

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

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in inches to Lat. 43°.	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	30-065	58.8	53.2	56.0	122.0	49.5	395	3	N.W.	..
2	30-011	59.9	55.2	57.5	129.0	53.5	643	10	N.N.W	50
3	30-141	58.7	56.3	57.5	104.0	54.7	461	10	N.W.	1
4	30-263	59.9	53.3	56.6	116.0	50.5	266	10	S.	Trace
5	30-088	56.3	47.5	51.9	104.0	41.0	157	10	N.E.	22
6	29-772	64.7	52.3	58.5	129.0	47.1	69	10	N.E.	32
7	30-000	66.4	45.8	56.1	117.0	44.2	382	10	S.	8
8	29-864	52.0	46.2	49.1	76.0	45.1	337	10	S.	2
9	29-737	55.9	50.1	53.0	78.0	47.0	152	10	S.	34
10	29-794	58.4	50.9	54.6	107.0	44.5	122	9	N.N.W	63
11	29-676	58.3	49.9	54.1	122.0	48.0	150	10	N.	Trace
12	29-664	59.2	52.3	55.7	127.0	50.5	261	7	N.W.	100
13	29-589	60.3	54.0	57.1	137.0	51.9	339	9	N.W.	15
14	29-535	60.2	53.0	56.6	136.0	48.5	313	7	N.W.	35
15	29-694	59.0	42.9	50.9	129.0	33.2	99	9	N.E.	24
16	29-695	62.4	46.0	54.2	125.0	38.5	51	10	N.	Trace
17	29-299	61.2	50.3	55.7	118.0	44.0	116	10	N.	114
18	29-569	60.1	53.2	56.6	116.0	48.2	423	1	W.	94
19	29-824	60.6	53.0	56.8	126.0	48.1	428	1	N.W.	78
20	30-072	61.6	48.4	55.0	124.0	38.9	248	10	S.S.E.	8
21	29-748	57.7	51.5	54.6	118.0	47.4	241	10	Calm	..
22	29-571	59.0	53.2	56.1	116.0	52.5	137	7	N.W.	648
23	29-770	65.0	53.1	59.0	139.0	49.5	412	8	N.W.	..
24	29-752	59.0	42.8	50.9	124.0	42.0	447	10	S.	..
25	30-124	51.0	42.4	46.7	105.0	39.7	687	6	S.	..
26	30-400	57.3	48.2	52.7	124.0	44.8	297	10	S.	..
27	30-334	57.8	42.0	49.9	128.0	33.6	146	1	N.W.	..
28	30-072	60.8	54.0	57.4	127.0	51.0	364	6	N.W.	..
29	30-268	60.6	49.3	54.9	130.0	43.6	327	4	S.	..
30	30-022	63.8	53.0	58.4	131.0	49.0	295	5	N.	..
31	29-660	61.4	54.0	57.7	128.0	48.1	407	9	N.W.	..
*	29-871	59.6	50.2	54.9	119.7	46.1	296	7.8	..	648
†	29-895	60.3	48.3	54.3	113.7	41.2	283	5.4	..	412

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
6	3	..	..	9	..	1	11	1

NOTE.—A cloudy and unsettled month, with precipitation 57 per cent. above the mean of previous years. Total bright sunshine, 136 hours 33 minutes, 33 per cent. of the possible, and seven sunless days. Mean earth-temperature at 1 ft. and 3 ft. was 56.3°. Mean dew-point, 48.8°; mean elastic force of vapour, 0.345 in.; and mean relative humidity, 80 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
October, 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 (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 58.3	Deg. 63.4	Deg. 53.3	Points. 605	Dys 18
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	56.3	65.5	47.1	661	22
46	TE AROHA .. G. F. McGirr	58.2	66.5	50.0	626	20
340	WAIHI .. C. F. Sims	56.6	65.5	47.7	985	23
100	TAURANGA .. C. J. Butcher	55.0	64.2	45.9	990	17
925	ROTORUA .. G. J. O'Brien	54.7	63.0	46.3	979	21
..	NEW PLYMOUTH .. J. Simpson	57.2	62.0	52.4	638	16
250	MOUMAHAKI .. J. G. McFarlane	55.5	63.6	47.4	590	24
2080	TAIHAPE .. A. R. Fanning	50.6	57.7	43.6	395	23
100	PALMERSTON NORTH .. J. A. Colquhoun	55.4	62.3	48.6	465	21
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	55.1	61.5	48.7	443	20
70	GREENMEADOWS, NA- PIER	58.0	66.0	50.0	354	16
377	MASTERTON .. R. Brown	55.0	64.0	46.0	683	17
186	GREYTOWN .. J. P. Eccleton	55.5	63.8	47.3	701	15
..	TRENTHAM MILITARY HOSPITAL	..	..	..	..	..
10	WELLINGTON ..	54.9	59.6	50.2	648	18
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archbishop Kempthorne	54.7	63.2	46.2	961	16
34	NELSON .. Wm. C. Davies	54.9	61.9	47.9	953	15
1220	HANMER SPRINGS .. W. G. Morrison	50.4	59.5	41.4	716	21
25	CHRISTCHURCH .. H. F. Skey	53.0	59.3	46.8	305	20
42	LINCOLN .. Wm. C. Purdie	53.2	60.1	46.4	324	17
1220	KISSELTON .. A. R. Blackwood	51.3	59.4	43.3	174	11
..	RAKAI .. Miss A. Hardy	51.4	59.2	43.7	426	21
130	TIMARU .. Caretaker of Domain	5.17	57.7	45.8	448	22
200	WAIMATE .. F. Akhurst	50.8	57.2	44.5	524	25
300	DUNEDIN .. D. Tannock	50.5	56.6	44.4	674	25
245	GORE .. A. T. Newman	50.7	60.2	41.3	327	13
12	HOKITIKA .. J. A. Chesney	52.9	58.9	47.0	1534	27
12	INVERCARGILL .. L. Lennie	51.0	59.1	42.9	350	18

SUMMARY FOR THE MONTH OF OCTOBER, 1921.

The mild conditions of the previous month continued almost throughout October, but owing to the cyclonic type of atmospheric pressure generally ruling precipitation was considerably above normal everywhere, except in the south-west portion of Otago.

Cold weather prevailed only on the 7th and 8th and between the 23rd and 25th, and during the latter period a strong southerly gale raged in many parts of the Dominion.

The feature of the month, however, was, as before mentioned, the mild, wet weather, which was conducive to a vigorous growth of vegetation. The heavy rains were specially beneficial to the East Coast districts after the lengthy period of low rainfall experienced in those parts.

For the Dominion as a whole the general rainfall expressed as a percentage of the normal was 156, while for the North Island it was 146 and for the South Island 167.

D. C. BATES, Director.