

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of January, 1920. 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.						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	30-255	Fah. 71.8	Fah. 55.1	Fah. 63.4	Fah. 134.0	55.0	231	10	S.	Trace
2	30-111	64.9	56.7	60.8	111.0	57.0	94	7	N.W.	Trace
3	29-939	70.3	60.3	65.3	143.0	58.0	319	10	N.W.	3
4	29-939	67.8	60.5	64.1	136.0	59.5	463	10	N.	75
5	29-982	65.3	50.5	57.9	101.0	49.7	322	10	SSE	..
6	30-338	59.1	50.0	54.5	125.0	44.1	348	8	S.W.	..
7	30-263	63.4	45.6	54.5	137.0	34.8	132	5	N.W.	..
8	29-923	64.4	56.1	60.2	145.0	53.2	380	3	N.	..
9	30-027	63.1	56.7	59.9	128.0	52.7	314	10	SSE	..
10	29-903	65.5	58.8	62.1	139.0	54.0	326	8	N.W.	..
11	29-755	64.5	60.0	62.2	135.0	59.0	519	9	N.W.	11
12	29-656	67.1	53.4	60.2	136.0	54.0	546	6	S.E.	..
13	29-705	65.9	55.0	60.4	131.0	53.8	244	1	WNW	..
14	29-709	64.8	51.1	57.9	134.0	35.4	301	8	N.W.	Trace
15	29-520	63.2	46.9	55.0	141.0	37.7	286	3	WNW	70
16	29-998	61.9	44.6	53.2	141.0	39.5	319	4	S.W.	3
17	30-029	62.3	49.0	55.6	133.0	46.3	142	10	S.	..
18	29-973	64.1	47.6	55.8	135.0	38.5	150	6	N.	56
19	29-986	64.9	52.8	58.8	137.0	51.9	93	10	Calm	89
20	30-047	62.0	54.3	58.1	95.0	53.8	6	10	Calm	8
21	30-069	65.9	59.8	62.8	126.0	58.3	111	5	N.W.	Trace
22	29-869	68.8	60.6	64.7	129.0	56.8	267	10	N.W.	34
23	29-934	67.0	50.7	58.8	145.0	50.4	371	10	S.	78
24	29-513	64.5	57.1	60.8	105.0	56.9	75	10	N.E.	145
25	29-701	70.9	51.8	61.3	87.0	51.6	206	9	S.	..
26	30-095	62.5	45.8	54.1	133.0	35.3	131	0	Calm	..
27	30-066	68.9	49.8	59.3	128.0	39.4	120	0	N.W.	..
28	30-029	72.9	54.5	63.7	133.0	43.0	150	6	S.	..
29	30-064	71.1	55.7	63.4	132.0	43.5	102	10	SSE	..
30	30-121	66.5	53.9	60.2	124.0	45.9	165	7	Calm	..
31	29-925	76.1	56.9	66.5	145.0	48.9	54	8	Calm	19
*	29-982	66.2	53.6	59.9	129.2	49.0	235	7.2	..	591
†	29-899	69.4	55.5	62.4	126.1	43.6	256	..	..	333

\* Means, &c. † Means previous years

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
3	1	..	1	8	2	2	9	5

NOTE.—The weather during the month has been unsettled, with rainfall 77 per cent. above the mean of previous years, and sunshine, wind velocity, and temperature in the shade below the average for January. Total bright sunshine, 172 hours 3 minutes, and five sunless days. Mean earth temperature at 1 ft. was 64.3°, and 62.5° at 3 ft. Mean dewpoint, 51.1°; mean elastic force of vapour, 0.378 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM THE CHIEF STATIONS.  
January, 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 (4 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 63.9	Deg. 70.0	Deg. 57.9	Points. 455	Dys. 10
46	TE AROHA .. G. F. McGirr	67.6	76.6	58.6	386	10
925	ROTORUA .. L. Bayfield	63.1	75.0	51.3	530	12
340	WAIHI .. P. A. Clifford	62.0	72.8	51.2	595	17
..	TAURANGA .. C. J. Butcher	61.1	70.7	51.6	772	14
160	NEW PLYMOUTH .. W. W. Smith	64.0	72.4	55.7	1335	18
250	MOUMAHAKI .. T. W. Lonsdale	60.1	71.5	48.7	562	12
2080	TAHAPPE .. A. R. Fanning	56.8	65.6	48.1	503	19
100	PALMERSTON NORTH .. J. A. Colquhoun	60.4	69.9	50.9	391	9
119	CENTRAL DEVELOPMENT FARM, WERAROA .. J. Beverley	59.5	67.5	51.6	550	12
186	GREYTOWN .. W. C. Davies	60.2	70.7	49.7	408	12
377	MASTERTON .. Wm. Hood	61.0	71.8	50.3	313	13
70	GREENMEADOWS, NAPIER .. T. B. McBreen	63.4	71.8	55.0	187	8
..	TRENTHAM MILITARY CAMP .. Lieut.-Col. Leahy	59.7	68.3	51.2	628	10
10	WELLINGTON .. SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	59.9	66.2	53.6	591	12
..	NELSON .. J. Williams	61.2	68.8	53.7	726	13
1220	HANMER SPA .. G. J. O'Brien	58.7	69.7	47.8	374	11
25	CHRISTCHURCH .. H. F. Skey	58.9	67.3	50.5	274	9
42	LINCOLN .. L. J. Wild	58.6	69.9	47.3	..	9
1220	KISSILTON .. A. R. Blackwood	57.1	67.7	46.5	166	5
..	RAKAIA .. Miss A. Hardy	58.7	69.9	47.6	230	8
130	TIMARU .. Caretaker of Domain	58.0	67.7	48.3	203	11
200	WAIMATE .. F. Akhurst	55.6	64.8	46.4	234	13
300	DUNEDIN .. D. Tannock	55.1	63.3	47.0	138	11
245	GORE .. A. T. Newman	53.2	64.4	42.0	252	14
12	HOKITIKA .. J. A. Chesney	56.0	63.3	48.7	926	16
12	INVERCARGILL .. L. Lennie	54.2	62.2	46.3	296	15

SUMMARY FOR THE MONTH OF JANUARY, 1920.

During January beneficial rains fell, particularly between the 18th and 24th, when a small westerly low-pressure area and subtropical disturbance were in evidence. Unsettled conditions were also experienced generally from the 1st to the 4th, and between the 9th and 15th, the result of two somewhat intense westerly "lows." On the 14th and 15th snow fell on the higher levels in both the North and South Islands, and light falls were experienced on some of the low-lying country in the east coast districts of the South Island, a most unusual occurrence for midsummer.

The aggregate month's rainfall was generally considerably above the average, but Otago and scattered places in the Gisborne and Westland districts recorded a deficiency.

Both sunshine and temperatures were below the average, but except for occasional high winds the month was a fairly calm one,

D. C. BATES, Director