

Government Meteorological Observatory.

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

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	From Self-regulating Instruments, for Twenty-four Hours previously.					Solar Radiation.	Terrestrial Radiation.	Velos. 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.							Fah.
1	30.505	67.9	43.9	55.9	122.0	32.3	53	0	S.S.E.	..	..
2	30.415	65.4	58.6	62.0	122.0	66.0	404	1	N.N.W.	..	..
3	30.478	66.1	54.9	60.5	123.0	50.1	178	10	S.S.E.	..	..
4	30.571	61.8	53.0	57.4	122.0	48.9	282	2	S.E.	..	..
5	30.372	62.2	41.6	51.9	127.0	30.5	131	4	Calm	..	..
6	30.108	66.5	44.1	55.3	133.0	33.8	125	9	N.W.	15	..	
7	29.809	61.0	56.7	58.8	114.0	53.2	408	10	N.	..	..
8	29.922	64.0	50.0	57.0	120.0	41.2	151	0	N.E.	..	..
9	29.579	69.5	58.1	63.8	123.0	52.8	191	10	N.W.	35	..	
10	29.284	68.4	58.1	63.2	134.0	54.8	553	0	N.N.W.	..	..
11	29.677	63.2	46.0	54.6	116.0	33.0	243	0	N.W.	3	..	
12	29.783	62.3	56.8	59.5	116.0	54.0	498	1	W	Trace	..	
13	29.783	65.0	55.9	60.4	119.0	51.9	407	10	N.W.	Trace	..	
14	30.257	65.9	39.3	52.6	114.0	27.8	302	4	S.	..	..
15	30.255	58.8	38.4	48.6	114.0	26.8	204	9	N.E.	..	..
16	29.996	60.5	46.3	53.4	126.0	37.0	111	9	N.E.	..	..
17	30.119	65.5	50.7	57.8	119.0	41.8	184	8	S.	..	..
18	29.804	58.8	52.0	55.4	92.0	41.3	140	8	N.N.W.	32	..	
19	29.668	62.5	43.7	53.1	116.0	39.4	328	3	S.S.W.	17	..	
20	29.431	58.0	40.4	49.2	111.0	30.8	180	2	W.N.W.	29	..	
21	29.898	61.0	43.7	52.3	113.0	41.7	326	7	S.S.W.	Trace	..	
22	29.952	56.3	43.7	50.0	106.0	34.8	194	3	N.	..	..
23	30.078	57.8	43.0	50.4	113.0	36.8	127	9	N.E.	..	..
24	30.103	63.0	40.4	51.7	114.0	31.8	33	6	N.W.	..	..
25	30.086	63.8	42.7	53.2	112.0	33.8	152	8	N.	10	..	
26	30.240	60.8	50.0	55.4	117.0	48.8	359	10	S.S.E.	..	..
27	30.287	53.8	47.4	50.6	101.0	45.1	320	9	S.S.W.	..	..
28	30.382	54.0	37.4	45.7	105.0	28.7	181	4	E.	..	..
29	30.431	58.6	37.7	48.1	115.0	29.9	43	8	S.E.	..	..
30	30.392	58.4	38.1	48.2	111.0	30.1	91	6	Calm	..	..
*	30.055	62.0	47.1	54.5	116.3	40.0	230	5.6	..	..	141
†	30.044	62.8	51.3	57.0	106.7	44.0	230	..	..	..	389

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
6	4	1	2	8	..	2	5	2

NOTE.—The weather during the month has been bright and sunny, with precipitation 64 per cent. below the mean of previous years. Total bright sunshine 182 hours 3 minutes, and no sunless days, giving an average of 6 hours 4 minutes per diem. A thunderstorm occurred on the 18th, and hail fell on the 20th. Mean earth-temperature at 1 ft. was 56.2°, and 59.3° at 3 ft. Mean dew-point, 45.6°; mean elastic force of vapour, 0.306 in.; and mean relative humidity, 71 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

April, 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. AUCLAND .. F. A. F. Burnett	Deg. 59.1	Deg. 65.2	Deg. 53.0	Points. 292	Dys. 11
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	58.3	75.4	41.3	286	10
46	TE AROHA .. G. F. McGirr	58.3	67.1	49.6	216	8
340	WAIHI .. C. F. Sims	55.0	66.3	43.7	466	11
100	TAURANGA .. C. J. Butcher	54.4	66.2	42.7	327	5
925	ROTORUA .. G. J. O'Brien	52.6	63.6	41.6	185	7
..	NEW PLYMOUTH ..	..	..	..	..	..
250	MOUMAHAKI .. J. G. McFarlane	53.4	63.3	43.6	286	16
2080	TAIHAPE .. A. R. Fannin	48.6	56.3	41.0	231	15
100	PALMERSTON NORTH .. J. A. Colquhoun	50.6	61.3	40.0	136	9
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	52.6	62.2	43.0	135	6
70	GREENMEADOWS, NAPIER	55.1	64.9	45.4	70	4
377	MASTERTON .. R. Brown	52.0	64.5	39.6	170	11
186	GREYTOWN .. J. P. Eccleton	54.4	66.8	42.0	234	8
..	TRENTHAM MILITARY HOSPITAL	47.1	53.5	40.8	268	6
10	WELLINGTON ..	54.5	62.0	47.1	141	7
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	53.3	64.1	42.6	322	8
34	NELSON .. Wm. C. Davies	53.9	62.4	45.5	322	8
1220	HANMER SPRINGS .. W. G. Morrison	49.8	61.0	38.6	108	11
25	CHRISTCHURCH .. H. F. Skey	51.3	59.8	42.9	206	7
42	LINCOLN .. Wm. C. Purdie	51.7	62.2	41.3	128	7
1220	KISSILTON .. A. R. Blackwood	50.3	62.0	38.6	165	4
..	RAKAIA .. Miss A. Hardy	51.6	62.3	40.9	156	4
130	TIMARU .. Caretaker of Domain	51.0	60.7	41.3	53	5
200	WAIMATE .. F. Akhurst	50.6	59.8	41.4	71	9
300	DUNEDIN .. D. Tannock	..	..	..	206	15
245	GORE .. A. T. Newman	48.2	58.0	38.5	405	17
12	HOKITIKA .. J. A. Chesney	51.8	59.5	44.2	719	12
12	INVERCARGILL .. L. Lennie	48.6	57.4	39.8	406	21

SUMMARY FOR THE MONTH OF APRIL, 1921.

Rainfall was again below the average, with the greatest deficiency in districts with an easterly aspect. Anticyclonic systems were dominant during the first week, between the 15th and 17th, and from the 22nd to the close of the month. The weather proved fair generally about these periods, with fine, clear days and frosty nights.

From the 7th to the 14th a very intense westerly disturbance brought unsettled, and at times stormy, conditions. High north-west winds backed to southerlies on the latter date, but the weather then rapidly improved.

Another, but less intense, westerly "low" was in evidence between the 18th and 21st, when squally conditions prevailed, and occasional rain fell. In the early-morning hours of the 19th a severe electrical disturbance was experienced in the vicinity of Cook Strait, accompanied by heavy rain showers.

The shade temperature for the month was generally about 2.5 degrees F. below the April mean.

D. C. BATES, Director.