

Government Meteorological Observatory.

METEOROLOGICAL Observations at Kelburn, Wellington, for the Month of May, 1930. Observations taken at 9 a.m.

Altitude of Observatory, 415 ft.

Date.	Pressure, in Inches, at Sea-level and Standard Gravity.	Temperature (°F.) from Observations at 9 a.m.							Wind.			Rainfall, in Points (100 Points = 1 Inch).	Bright Sunshine: Hours and Tenths.	Weather (Symbols) at 9 a.m.	
		In Screen.					Minimum on Grass.	Solar Radiation: Maximum.	Beaufort Scale.		Anemometer.				
		At 9 a.m.			Maxi-mum.	Mini-mum.			Direction.	Force.					Run in 24 Hours.
		Dry.	Wet.	Humid-ity.											
1	30-005	54.5	51.0	77	59.8	44.7	41.1	110.2	NW	3	123	6	9.5	b	
2	30-142	49.1	47.3	87	53.0	47.0	44.0	110.0	SE	3	157	..	5.2	o	
3	30-145	50.2	47.7	82	61.4	40.7	31.6	111.6	NE	1	61	..	9.0	bf	
4	30-176	50.3	49.0	91	55.9	43.7	34.0	109.7	SSE	2	41	..	5.5	bcz	
5	30-234	50.1	48.3	87	55.4	44.0	33.1	109.0	Calm	..	109	..	8.7	bf	
6	30-204	50.4	48.4	86	54.9	43.6	35.2	110.2	SE	1	70	..	5.9	of	
7	30-257	48.9	47.2	87	60.0	41.2	30.5	114.7	NE	1	45	..	8.5	b	
8	30-382	50.8	48.2	81	58.0	48.0	44.8	102.8	Calm	..	55	..	0.7	of	
9	30-446	51.2	48.7	81	61.9	44.2	36.9	110.2	NE	1	18	..	8.3	bf	
10	30-541	51.6	48.3	77	59.9	43.2	35.1	108.0	NE	1	36	..	8.9	bz	
11	30-541	52.0	50.0	86	60.2	47.1	42.6	108.0	NW	2	105	..	5.3	o	
12	30-460	56.0	51.9	74	59.5	51.8	51.8	111.4	NNW	3	176	..	5.3	o	
13	30-312	56.8	53.7	80	59.4	53.2	51.0	100.8	NNW	5	300	..	3.1	o	
14	30-246	58.2	56.8	92	60.0	56.2	55.1	82.4	NW	6	466	..	1.0	c	
15	30-112	58.0	54.8	80	61.2	55.3	54.0	108.2	NNW	5	405	1	3.7	o	
16	29-999	55.2	53.2	87	58.4	54.0	48.0	71.0	NNW	1	235	79	0.0	or	
17	29-681	55.2	54.1	92	55.4	50.8	47.3	68.8	NW	2	46	87	0.0	or	
18	29-999	51.0	49.3	88	53.7	48.8	47.6	101.2	S	3	174	..	2.9	o	
19	30-087	47.5	46.5	92	57.0	41.0	33.1	100.1	NNW	1	94	..	5.1	bf	
20	29-901	56.1	50.5	65	56.8	47.0	47.0	92.8	S	4	178	Trace	4.2	bcu	
21	29-789	55.2	49.0	61	59.8	42.9	36.2	111.2	NW	5	208	67	6.2	c	
22	30-073	42.6	38.9	69	45.6	39.7	37.8	98.2	S	5	351	..	6.5	c	
23	29-941	45.2	42.2	76	53.2	35.8	27.2	100.0	NE	2	136	7	8.4	b	
24	29-940	43.8	39.5	66	46.9	40.2	38.2	97.8	SW	5	260	..	6.7	bc	
25	30-022	43.7	40.9	77	51.0	35.4	29.7	97.8	NE	1	158	..	3.1	bz	
26	30-047	48.9	46.8	84	56.4	41.9	36.0	101.2	Calm	..	59	Trace	7.1	bf	
27	29-508	51.4	45.5	60	52.7	48.2	45.5	98.2	W	4	277	10	4.0	bc	
28	29-477	51.9	49.3	81	60.1	41.1	36.2	106.0	NW	5	263	..	7.5	bc	
29	29-552	47.0	42.0	62	54.5	44.2	38.1	100.0	S	4	193	2	6.0	o	
30	30-102	48.1	43.3	64	51.2	41.1	39.8	102.2	SE	2	221	..	8.2	b	
31	30-232	46.2	43.7	81	55.2	37.3	30.2	105.5	N	1	38	..	8.0	b	
Means, &c.	30-082	50.9	47.9	79	56.4	44.9	40.0	101.8	..	2.5	163	259	172.5	..	

Mean earth temperature at 1 ft., 52.3°; and at 3 ft., 55.1°. Number of rain days, 8.

DIRECTION OF WIND.

Gale (force 8 or more).	Forces 4 to 7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
..	10	3	3½	6	..	3½	4½	1	1	8½

NOTE.—A dry and sunny month, with temperatures considerably below the mean of previous years. Total bright sunshine, 172.5 hours, 56 per cent. of the possible, and two sunless days. Precipitation at Karori Reservoir, near Kelburn, was 39 per cent. below the normal. Frost was recorded on the grass on three mornings; hail fell on the 22nd and 29th, and lightning was seen and thunder heard on the 29th. Fog was in evidence on seven mornings. Mean dew-point, 44.6°; and mean vapour pressure, 0.294 in.

SUMMARY FOR THE MONTH OF MAY, 1930.

The relatively dry weather which had ruled since the beginning of February continued into May until the middle of the month. The first half of the month, owing to the persistence of anticyclonic pressure, was remarkably fine over the whole of the Dominion, with clear mild days and cool nights. Low-pressure waves crossed southern New Zealand during the nights of the 13th and 14th, but as they were of slight intensity the rainfall accompanying them was confined to the western districts of the South Island. On the night of the 15th, however, a secondary depression of cyclonic form developed west of New Zealand and, on the morning of the 16th, was centred west of Farewell Spit. Fairly general rain set in at this time, with heavy falls in places, particularly from Nelson and Marlborough northwards. By the morning of the 18th this cyclone had passed away eastwards, and since at this time an extensive anticyclone covered the whole of Australia and the Tasman Sea, indications appeared favourable for the development of another lengthy spell of fine weather. From the 18th onward, however, until the close of the month, there was a remarkable frequency of depressions of the westerly type which moved along the southern edge of the anticyclone. As a consequence, strong and squally winds between west and south-west prevailed during this period, and there were many rapid and severe weather changes. On the 20th, 21st, 26th, 27th, and 29th, there were sharp southerly changes, and thunder and hail occurred at places, while snow fell frequently on the highlands and, in the South Island, on parts of the lowlands.

Although considerable rain fell after the middle of the month, except in south-west Otago where a slight excess occurred, the total for the whole month was everywhere below the average.