

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of February, 1925. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	From Self-registering Instruments, for Twenty-four Hours previously.					Solar Radiation.	Terrestrial Radiation.	Veloc. 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	29-970	65.9	57.4	61.6	114.0	55.8	297	2	S.S.E.	..		
2	30-259	68.2	55.2	61.7	135.0	52.2	201	8	S.S.E.	..		
3	30-273	67.0	47.9	57.4	124.0	38.2	136	4	N.E.	..		
4	30-203	69.3	48.1	58.7	124.0	39.4	107	6	S.E.	..		
5	30-023	70.2	49.1	59.6	131.0	40.1	94	7	N.W.	..		
6	29-917	71.0	50.3	60.6	129.0	40.2	92	1	N.E.	13		
7	29-979	70.9	56.1	63.5	130.0	52.8	305	3	S.E.	..		
8	29-726	65.4	46.0	55.7	128.0	37.2	144	2	S.S.E.	3		
9	29-895	68.0	51.1	59.5	121.0	49.1	274	10	S.E.	Trace		
10	29-951	63.3	48.2	55.7	126.0	40.1	142	3	N.W.	..		
11	30-005	68.8	58.2	63.5	124.0	56.1	226	4	N.W.	..		
12	30-080	68.0	51.9	59.9	124.0	43.9	189	8	N.E.	..		
13	29-997	72.3	58.9	65.6	132.0	50.8	125	7	N.W.	..		
14	30-037	70.9	58.8	64.8	136.0	53.6	121	2	N.E.	..		
15	29-925	75.0	59.1	67.0	123.0	52.0	65	10	Calm.	51		
16	29-697	72.7	61.4	67.0	102.0	60.4	138	9	N.N.W	80		
17	29-606	74.0	62.1	68.0	131.0	59.3	301	3	N.W.	114		
18	29-128	71.8	61.1	66.4	124.0	60.0	530	4	N.W.	..		
19	29-538	69.0	54.3	61.6	119.0	47.1	272	1	N.W.	..		
20	29-433	67.9	58.8	63.3	124.0	47.1	283	7	N.W.	35		
21	29-529	67.0	54.9	60.9	112.0	47.8	247	3	N.W.	14		
22	29-280	68.8	61.0	64.9	124.0	59.0	562	1	N.N.W	1		
23	29-611	70.1	59.1	64.6	121.0	55.0	408	10	N.W.	12		
24	29-684	65.7	58.9	62.3	111.0	56.1	456	3	N.N.W	..		
25	30-092	73.0	54.9	63.9	130.0	47.9	125	4	N.N.W	..		
26	29-992	69.1	57.2	63.1	124.0	54.0	245	10	N.N.W	..		
27	30-039	68.0	57.1	62.5	126.0	48.2	300	6	N.W.	..		
28	29-827	70.1	59.7	64.9	120.0	56.2	283	9	N.W.	67		
29	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..
31	..	..	..	..	..	..	..	..	..	..
*	29-846	69.3	55.6	62.4	124.0	50.0	238.1	5.3	..	390		
†	29-980	69.3	55.7	62.5	124.8	49.0	239	5.2	..	318		

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
4	4	..	3	3	..	1	12	1

NOTE.—A fair summer month with precipitation 23 per cent. above the mean of the previous years, and temperature about the average. Total bright sunshine, 218 hours 11 minutes, 57 per cent. of the possible, and one sunless day. Mean earth temperature at 1 ft. was 67°, and 66° at 3 ft. Thunder was heard on the night of the 28th. Mean dew-point, 51.6°; mean elastic force of vapour, 0.382 in.; mean relative humidity, 68 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
February, 1925.

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.		
NORTH ISLAND.						
152	AUCKLAND ..	66.0	72.6	59.3	337	14
131	RUAKURA FARM, HAMILTON EAST G. A. Holmes	63.0	76.0	50.0	255	13
46	TE AROHA .. C. E. Christensen	66.1	78.4	53.9	163	11
340	WAIHI .. C. F. Sims	63.4	74.6	52.3	463	13
100	TAURANGA .. C. J. Butcher	63.2	72.8	53.7	254	10
925	ROTORUA .. W. E. Penno	61.2	71.5	51.0	340	11
60	NEW PLYMOUTH .. G. H. Dolby	62.0	69.8	54.3	291	11
250	MOUMAHAKI .. J. G. McFarlane	61.9	71.3	52.6	250	10
2080	TAIHAPE .. A. R. Fannin	57.7	66.2	49.3	141	13
100	PALMERSTON NORTH .. J. A. Colquhoun	61.9	71.8	52.0	244	8
8	TANGIMOANA .. R. A. Reid	61.0	71.3	50.8	198	10
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	61.9	70.8	53.0	302	11
5	NAPIER .. Chas. L. Thomas	64.7	72.5	56.9	72	8
377	MASTERTON .. R. Brown	60.9	71.5	50.3	158	10
186	GREYTOWN .. W. Allan	61.0	71.5	50.6	240	11
10	WELLINGTON ..	62.4	69.3	55.6	390	10
SOUTH ISLAND.						
87	BRIGHTWATER .. Ven. Archdeacon Kempthorne	61.0	70.7	51.3	247	12
34	NELSON .. H. Harrison	61.4	69.6	53.3	349	13
1220	HANMER SPRINGS .. W. G. Morrison	57.1	65.5	48.7	373	14
25	CHRISTCHURCH .. H. F. Skey	59.8	67.8	51.8	27	8
42	LINCOLN .. M. J. Scott	59.8	69.4	50.2	59	7
1220	KISSELTON .. F. Freeman	59.2	69.0	49.4	285	14
349	RAKATA .. Miss A. Hardy	59.8	69.6	50.0	52	7
130	TIMARU .. Caretaker of Domain	60.7	69.6	51.9	157	15
200	WAIMATE .. F. Akhurst	58.3	66.4	50.3	107	16
1550	SANATORIUM, WAIPIATA Dr. A. Kidd	59.3	72.0	46.6	145	8
300	DUNEDIN .. D. Tannock	55.2	65.5	45.0	131	11
245	GORE .. A. T. Newman	55.5	66.7	44.4	187	12
12	HOKITIKA .. J. A. Chesney	59.8	66.5	53.1	1,123	17
12	INVERCARGILL .. L. Lennie	56.2	65.5	47.0	263	21
LATE RETURN.						
100	PALMERSTON NORTH Dec., 1924 ..	61.7	70.4	53.0	700	15
	Jan., 1925 ..	64.6	74.6	54.7	401	7

SUMMARY FOR THE MONTH OF FEBRUARY, 1925.

During the first half of February most parts of the Dominion experienced fair weather, but the last half was dominated chiefly by westerly low-pressure areas which accounted for the prevalence of high westerly winds, unsettled, and, at times, stormy conditions.

Heavy rains occurred, especially in all the western districts and southern portion of the South Island. These parts recorded a total rainfall considerably above the average, while the east coast districts of both islands experienced a deficiency a reversal of the position in the previous month.

Conditions were particularly stormy about the 18th and 22nd, on both of which days the barometer fell very low in the South. The high winds caused much damage to fruit crops in various parts of the Dominion.

D. C. BATES, Director.