

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of February, 1924. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced in and corrected in Inches to Lat. 49°.	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.						
1	29-764	68-0	53-1	60-5	128-0	46-1	104	1	N.W.	..	..
2	30-087	70-9	55-9	63-4	129-0	49-9	339	4	S.	..	..
3	30-100	68-0	53-0	60-5	130-0	47-0	146	8	N.	..	..
4	30-243	73-8	56-6	65-2	133-0	51-1	132	3	S.S.E.	..	..
5	30-259	67-2	54-0	60-6	131-0	50-8	175	10	E.N.E.	..	..
6	30-236	71-8	57-6	64-7	117-0	52-9	57	10	N.E.	..	..
7	30-167	72-3	60-0	66-1	129-0	56-3	163	2	N.W.	..	..
8	30-183	70-7	61-6	66-1	128-0	59-0	255	9	N.N.W.	..	..
9	30-210	74-5	63-9	69-2	138-0	62-0	191	9	N.	..	..
10	30-098	74-2	63-5	68-8	139-0	61-1	332	9	N.W.	4	..	
11	30-006	73-3	62-4	67-8	126-0	60-0	385	5	N.W.	79	..	
12	29-855	71-0	64-2	67-6	132-0	61-5	424	10	N.W.	40	..	
13	29-842	68-4	63-7	66-0	121-0	60-9	349	3	N.W.	..	..
14	29-989	69-8	61-1	65-4	130-0	56-0	317	3	N.N.W.	..	..
15	29-969	71-7	59-4	65-5	133-0	56-0	189	4	N.E.	6	..	
16	29-933	74-8	63-1	68-9	138-0	59-5	188	2	N.W.	77	..	
17	29-926	73-1	60-9	67-0	137-0	60-5	223	10	N.E.	176	..	
18	29-746	64-0	59-2	61-6	80-0	58-1	87	10	S.S.E.	25	..	
19	29-842	67-4	59-2	63-3	134-0	57-7	234	6	S.S.E.	..	..
20	29-882	67-9	50-6	59-2	131-0	45-7	144	3	N.E.	3	..	
21	29-553	70-8	65-8	68-3	127-0	63-4	435	10	N.W.	13	..	
22	29-994	69-2	59-0	64-1	129-0	53-1	321	3	S.S.E.	1	..	
23	29-949	74-9	54-7	64-8	131-0	52-3	130	10	N.W.	..	..
24	29-818	71-7	63-3	67-5	144-0	60-4	428	5	N.W.	..	..
25	30-034	70-3	51-6	60-9	129-0	44-0	259	1	N.W.	..	..
26	30-090	69-6	62-2	65-9	127-0	59-0	369	2	N.W.	..	..
27	30-082	70-7	63-0	66-8	135-0	59-5	261	7	N.	..	..
28	29-911	71-4	63-6	67-5	138-0	60-2	375	8	N.W.	..	..
29	30-003	74-2	58-5	66-3	142-0	58-0	247	9	S.	..	..
30	..	..	..	..	..	..	..	..	..	..	..
31	..	..	..	..	..	..	..	..	..	..	..
*	29-992	70-9	59-5	65-2	129-9	55-9	250-3	6-1	..	..	424
†	29-980	69-3	55-7	62-5	124-8	49-0	239	5-2	..	..	323

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
5	4	1	..	6	..	..	13	..

NOTE.—The weather during the month, on the whole, was warm and humid with moderate to strong north-westerly winds prevailing. Rainfall was 31 per cent. above the mean of previous years. Total bright sunshine 213 hours 46 minutes, 54 per cent. of the possible, and two sunless days. Mean earth-temperature at 1 ft. was 69-5° and 67-5° at 3 ft. Mean dew-point, 55-5°; mean elastic force of vapour, 0-441 in.; and mean relative humidity, 72 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
February, 1924.

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.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	
152	AUCKLAND ..	68-7	74-8	62-7	477	11
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	66-6	80-7	52-6	246	7
46	TE AROHA .. C. E. Christensen	69-4	80-2	53-7	332	9
340	WAIHI .. C. F. Sims.	67-8	79-6	56-1	309	10
100	TAURANGA .. C. J. Butcher	66-6	75-6	57-7	241	7
925	ROTORUA .. W. E. Penno	66-0	76-4	55-6	264	9
60	NEW PLYMOUTH G. H. Dolby	64-1	71-0	57-2	446	9
250	MOUMAHARI .. J. G. McFarlane	64-4	75-4	53-4	397	5
2080	TAIHAPE .. A. R. Fannin	61-8	71-3	52-4	392	7
100	PALMERSTON NORTH .. J. A. Colquhoun	65-0	73-9	56-1	508	9
5	OROUA DOWNS R. A. Reid	63-8	72-1	55-6	576	10
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	63-0	70-2	55-9	611	10
377	MASTERTON R. Brown	64-9	76-8	53-1	392	7
186	GREYTOWN W. Allan	65-3	76-8	53-9	411	8
10	WELLINGTON .. Ven. Archdeacon Kempthorne	65-2	70-9	59-5	424	10
	SOUTH ISLAND.					
87	BRIGHTWATER .. H. Harrison	65-3	75-4	55-2	279	8
34	NELSON .. H. Harrison	64-6	73-2	55-9	327	10
1220	HANMER SPRINGS W. G. Morrison	61-5	73-2	49-8	148	7
25	CHRISTCHURCH H. F. Skey	63-0	72-4	53-7	45	6
42	LINCOLN .. M. J. Scott	65-7	75-4	56-0	17	2
1220	KISSELTON .. F. Freeman	61-8	73-8	49-7	103	5
130	TIMARU .. Caretaker of Domain	63-0	73-0	53-0	69	6
200	WAIMATE .. F. Akhurst	62-2	72-4	52-0	127	10
300	DUNEDIN .. D. Tannock	62-0	70-4	53-6	137	8
245	GORE .. A. T. Newman	61-5	73-7	49-3	270	11
12	HOKITIKA .. J. A. Chesney	61-3	68-3	54-4	547	17
12	INVERCARGILL L. Lennie	59-8	70-2	49-4	247	12
	LATE RETURNS.					
100	PALMERSTON NORTH (December, 1923)	62-9	71-3	54-5	160	11
	ERRATUM.					
87	BRIGHTWATER (Jan.)	65-4	76-0	54-8	..	..

SUMMARY FOR THE MONTH OF FEBRUARY, 1924.

The east coast districts of the South Island and scattered places along the east coast of the North Island, experienced less than the average rainfall for February, while in most other parts of the Dominion the totals were in excess owing to some heavy downpours about the 12th, 17th, and 20th.

The month opened with a small westerly storm, but this was quickly followed by anticyclonic conditions and fair weather which continued for nearly a fortnight over the North Island. The latter half of the month was more changeable, owing to influences outside the Dominion. Two westerly depressions also passed in the South on the 20th and 23rd respectively, causing westerly gales with rain in districts with a westerly aspect.

Generally the month was remarkable for excessive warmth and humidity, and these conditions, rather than atmospheric changes, accounted for the rains that proved so beneficial to the country, especially about the middle of the month, and also for occasional thunderstorms in various parts.

D. C. BATES, Director.