

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of August, 1924. 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.					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.			
1	29.485	Fah. 57.8	Fah. 49.9	Fah. 53.8	Fah. 107.0	Fah. 47.0	555	10 N.W.	7
2	29.616	56.5	38.0	47.2	102.0	28.0	129	1 N.W.	..
3	29.637	57.0	49.4	53.2	105.0	43.8	217	2 N.N.W.	1
4	29.718	56.2	49.9	53.0	102.0	46.2	296	10 N.N.W.	19
5	29.741	55.5	48.6	52.0	76.0	44.8	234	10 S.E.	120
6	29.571	51.2	46.0	48.6	58.0	42.0	313	10 S.E.	1
7	29.654	48.8	44.2	46.5	64.0	42.0	498	10 S.E.	40
8	30.116	47.3	42.0	44.6	84.0	39.8	537	10 S.E.	19
9	30.324	52.8	43.1	47.9	89.0	37.0	264	8 N.W.	..
10	30.355	50.3	31.5	40.9	100.0	22.0	27	2 N.W.	..
11	30.336	55.6	41.7	48.6	112.0	41.8	157	9 N.W.	..
12	30.314	56.2	47.1	51.6	103.0	40.9	170	6 N.W.	..
13	30.202	57.4	52.0	54.7	120.0	48.7	271	9 N.W.	31
14	29.722	60.1	50.2	55.1	106.0	47.0	122	10 N.W.	78
15	29.706	61.0	52.9	56.9	85.0	51.1	359	5 N.W.	1
16	29.898	58.1	47.9	53.0	112.0	45.2	271	10 S.E.	12
17	29.951	50.4	44.0	47.2	79.0	41.0	458	10 S.S.W.	14
18	30.250	52.7	43.9	48.3	107.0	40.1	298	1 S.E.	17
19	30.380	54.8	38.6	46.7	102.0	28.4	71	7 S.E.	9
20	30.582	49.9	43.1	46.5	90.0	40.8	339	8 S.E.	..
21	30.648	50.8	40.1	45.4	104.0	27.2	100	7 N.E.	..
22	30.515	55.1	44.2	49.6	105.0	37.1	190	3 N.W.	..
23	30.645	55.9	38.5	47.2	105.0	27.2	181	4 S.E.	..
24	30.617	54.0	35.9	44.9	109.0	24.8	103	3 N.N.E.	..
25	30.334	57.1	47.0	52.0	106.0	42.1	210	2 N.W.	..
26	30.435	58.4	38.2	48.3	110.0	27.1	105	4 N.W.	3
27	30.372	58.1	53.2	55.6	111.0	51.4	360	10 N.W.	Trace
28	30.295	58.3	54.3	56.3	117.0	51.8	456	10 N.W.	60
29	30.300	56.2	48.1	52.1	72.0	46.1	282	9 S.E.	Trace
30	30.122	53.7	45.0	49.3	105.0	42.0	198	10 S.E.	2
31	30.023	57.9	41.3	49.6	82.0	34.0	142	7 S.	..
*	30.125	55.0	44.8	49.9	97.7	39.6	259	7.0	434
†	29.953	54.4	42.8	48.6	96.1	36.3	217	5.3	444

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
3	1	..	11	2	..	..	14	..

NOTE.—A cloudy and unsettled month, with north-westerly winds prevailing. Barometric pressure and temperatures were above the average, and precipitation was 2 per cent. below the mean of previous years. Total bright sunshine, 123 hours 21 minutes, 38 per cent. of the possible, and six sunless days. Earth temperature at 1 ft. was 48.5°; 50.8° at 3 ft. Hail fell on the 16th and 19th, and frost was recorded on the grass on seven mornings. Mean dew-point, 42.3°; mean elastic force of vapour, 0.270 in.; and mean relative humidity, 75 per cent. of saturation.

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

Ft.	Name of Station and Observer.	Altitude above Sea-level.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with rain (Point or more).
			Absolute Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.		
152	NORTH ISLAND. AUCKLAND ..	Deg.	Deg.	Deg.	Points.		
		52.5	58.4	46.5	372	14	
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	48.8	60.4	37.2	314	10	
46	TE AROHA .. C. E. Christensen	50.2	61.1	39.4	435	13	
340	WAIHI .. C. F. Sims.	49.2	60.3	38.1	536	14	
100	TAURANGA .. C. J. Butcher	50.0	59.2	40.8	379	13	
925	ROTORUA .. W. E. Penno	47.7	57.0	33.4	510	13	
60	NEW PLYMOUTH .. G. H. Dolby	50.1	56.3	44.0	285	15	
250	MOUMAHAKI .. J. G. McFarlane	48.9	56.1	41.7	579	13	
2080	TAIHAPE .. A. R. Fanning	43.2	49.6	36.9	296	15	
100	PALMERSTON NORTH .. J. A. Colquhoun	48.1	56.0	40.2	220	12	
5	OROUA DOWNS .. R. A. Reid	46.3	55.4	37.3	242	10	
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	47.9	55.0	40.8	388	15	
5	NAPIER .. Chas. L. Thomas	49.0	56.0	42.0	432	10	
377	MASTERTON .. R. Brown	46.9	55.6	38.3	435	18	
186	GREYTOWN .. W. Allan	47.3	55.5	39.1	365	18	
10	WELLINGTON ..	49.9	55.0	44.8	434	17	
	SOUTH ISLAND.						
87	BRIGHTWATER .. Ven. Archdeacon Kempthorne	47.0	56.4	37.7	294	9	
34	NELSON .. H. Harrison	48.0	56.6	39.5	262	8	
1220	HANMER SPRINGS .. W. G. Morrison	43.8	52.2	35.4	213	12	
25	CHRISTCHURCH .. H. F. Skey	45.3	53.4	37.2	121	10	
42	LINCOLN .. M. J. Scott	46.4	56.5	36.3	56	8	
1220	KISSILTON .. F. Freeman	49.3	61.4	37.3	35	2	
180	TIMARU .. Caretaker of Domain	44.8	53.6	36.0	74	4	
200	WAIMATE .. F. Akhurst	44.7	54.1	35.3	102	8	
300	DUNEDIN .. D. Tannock	..	..	..	49	5
245	GORE .. A. T. Newman	..	..	..	..	..
12	HOKITIKA .. J. A. Chesney	47.1	54.9	39.4	663	15	
12	INVERCARGILL .. L. Lennie	44.4	54.0	34.8	107	14	
	LATE RETURN.						
131	RUAKURA FARM, HAMILTON EAST— July, 1924	47.6	58.4	36.8	311	10	

SUMMARY FOR THE MONTH OF AUGUST, 1924.

During the first week of August a westerly disturbance brought squally, unsettled conditions, and on the 6th and 7th a cold snap was experienced, with southerly gales along the east coast, on account of a very intense storm being centred in the vicinity of the Chatham Islands.

High barometric pressure and fair weather followed until about the 12th. From then until about the 18th disturbances both from the west and north were responsible for changeable and very showery conditions. After this until the close of the month an extensive anticyclone held sway, with fine sunny days and frosty nights, although during the last week there were evidences of low-pressure systems both north and south of New Zealand. On the 27th a severe north-west gale occurred in parts of the South Island.

Except at a few stations in the east coast districts of the North Island, all parts of the Dominion recorded a total rainfall below the average. This deficiency was most marked in Canterbury and Otago. The observer at Nightcaps reported that the August fall was the lowest in the forty years he had been recording.

D. C. BATES, Director.