

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of July, 1926. 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	29.918	50.6	46.3	48.4	82.0	46.2	414	10	S.E.	27			
2	30.224	50.6	42.4	46.5	74.0	40.6	400	10	S.E.	15			
3	30.388	49.9	42.1	46.0	87.0	40.2	295	9	S.E.	3			
4	30.161	48.9	31.7	40.3	98.0	23.9	76	8	N.N.W.	1			
5	29.982	52.0	42.1	47.0	98.0	35.1	211	9	S.S.E.	..			
6	30.096	52.2	33.9	43.0	100.0	25.1	176	3	Calm	..			
7	30.189	53.0	36.7	44.8	97.0	28.0	87	1	N.	..			
8	30.184	54.9	47.2	51.0	103.0	40.0	231	1	N.W.	7			
9	30.095	57.0	50.0	53.5	106.0	47.0	302	4	N.W.	..			
10	30.164	57.0	39.9	48.4	104.0	32.0	104	10	Calm	..			
11	30.011	53.1	42.2	47.6	78.0	38.6	37	10	S.	Trace			
12	29.819	56.9	49.0	52.9	68.0	48.1	120	10	S.E.	26			
13	29.704	55.0	47.5	51.2	67.0	45.7	435	8	S.E.	5			
14	29.814	52.1	43.2	47.6	98.0	41.0	418	8	S.E.	21			
15	29.311	50.0	35.2	42.6	99.0	28.0	67	10	N.	4			
16	29.463	56.1	49.1	52.6	102.0	47.2	452	7	N.W.	..			
17	29.640	58.5	50.3	54.4	107.0	46.9	273	10	N.W.	26			
18	29.948	56.0	35.8	45.9	99.0	27.6	92	0	Calm	..			
19	30.078	55.8	37.9	46.8	102.0	30.6	84	4	N.E.	..			
20	30.204	56.3	38.5	47.4	107.0	30.0	57	9	S.S.E.	1			
21	30.021	55.8	42.1	48.9	102.0	37.0	176	7	S.E.	6			
22	29.851	55.6	47.2	51.4	108.0	45.9	343	8	S.E.	19			
23	29.790	52.3	37.2	44.7	94.0	27.2	251	0	Calm	Trace			
24	29.479	59.2	44.7	51.9	101.0	39.1	252	9	N.W.	10			
25	29.606	60.3	53.7	57.0	105.0	52.1	471	10	N.W.	57			
26	29.700	56.3	54.0	55.1	79.0	52.2	383	10	N.W.	46			
27	29.705	55.1	50.0	52.5	86.0	46.1	283	1	N.W.	15			
28	29.992	55.0	44.5	49.7	94.0	41.7	347	3	S.E.	..			
29	30.232	51.0	31.9	41.4	99.0	23.0	150	0	N.N.E.	..			
30	30.342	54.7	34.8	44.7	101.0	26.0	79	0	Calm	..			
31	30.350	57.6	42.0	49.8	104.0	35.1	118	9	N.N.W.	..			
*	29.950	54.5	42.7	48.6	95.1	37.7	232	6.4	..	289			
†	29.918	53.1	42.3	47.7	87.5	35.7	203	5.6	..	559			

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
5	1	..	9	3	..	..	8	5

NOTE.—A dry and mild month, with precipitation 48 per cent. below the mean of previous years. Total bright sunshine 139 hours 47 minutes, 41 per cent. of the possible, and three sunless days. Fog occurred on the 10th, and frost was recorded on the grass on eleven mornings. Mean earth temperature at 1 ft. was 46.8° and 50° at 3 ft. Mean dew-point, 42.3°; mean elastic force of vapour, 0.27 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE
MEANS AND TOTALS FROM CHIEF STATIONS.
July, 1926.

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 (1 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
152	AUCKLAND	Deg 52.2	Deg 57.3	Deg 47.0	Points 281	17
131	RUAKURA FARM, HAMILTON EAST	48.1	58.5	37.8	383	13
211	A. Y. Montgomery MATAMATA..	46.9	56.8	37.0	402	13
46	W. Halligan TE AROHA ..	49.0	59.5	38.5	837	12
340	C. E. Christensen WAIHI ..	49.0	58.5	39.5	823	11
100	C. F. Sims TAURANGA ..	50.2	58.5	42.0	441	11
925	C. J. Butcher ROTORUA ..	46.9	55.3	38.6	318	10
60	W. E. Penno NEW PLYMOUTH	50.0	56.1	43.9	651	16
2080	G. H. Dolby TAIHAPE ..	42.2	47.5	36.9	347	15
100	A. R. Fannin PALMERSTON NORTH	47.1	53.8	40.4	502	11
8	J. A. Colquhoun TANGIMOANA ..	47.1	53.2	36.0	537	9
119	R. A. Reid CENTRAL DEVELOPMENT FARM, WERAROA	47.9	55.0	40.8	656	14
5	J. E. Sharp NAPIER ..	48.9	56.5	41.3	228	12
377	Chas. L. Thomas MASTERTON ..	45.9	54.8	37.0	214	17
186	R. Brown GREYTOWN ..	46.3	55.1	37.6	238	15
10	W. Allan WELLINGTON ..	48.6	54.5	42.7	289	17
SOUTH ISLAND.						
34	H. Harrison NELSON ..	46.0	55.3	36.7	109	8
1220	W. Montgomery HANMER SPRINGS ..	41.0	49.8	32.2	356	15
25	H. F. Skey CHRISTCHURCH ..	43.0	51.9	34.0	116	8
42	M. J. Scott LINCOLN ..	43.2	52.6	33.8	89	10
1220	A. E. Young KISSELTON ..	41.1	52.3	29.8	219	8
349	Miss A. Hardy RAKAIA ..	..	..	..	113	5
1000	A. J. Grant FAIRLIE ..	40.3	52.3	28.4	112	4
130	Caretaker of Domain TIMARU ..	43.0	51.1	34.9	115	8
200	F. Akhurst WAIMATE ..	42.7	51.5	33.9	101	7
1550	Dr. A. Kidd SANATORIUM, WAIPIATA	38.0	46.4	29.7	10	5
1000	Rev. A. Don OPHIR ..	37.3	46.8	27.8	5	3
300	D. Tannock DUNEDIN ..	44.2	51.0	37.4	124	10
245	A. T. Newman GORE ..	..	..	..	96	13
12	J. A. Chesney HOKITIKA ..	45.4	54.4	36.4	476	13
12	L. Lennie INVERCARGILL ..	42.9	50.5	35.4	224	15

SUMMARY FOR THE MONTH OF JULY, 1926.

During July areas of high-pressure were generally weak, except one ruling in the last three days. The weather, however, on the whole was dry and milder than usual, although, on account of three rather intense storms, some heavy rains occurred on the east coast of the Auckland peninsula and in the Taranaki and Wanganui districts, where the aggregate rainfall was above normal. Elsewhere there was a deficiency, which was most pronounced in the South Island, the whole of which, with the exception of Queenstown, experienced considerably less than the average precipitation.

Of the disturbances, a cyclone, developing to the north-westward on the 10th, attained its greatest intensity on the two following days northward of Kawhia and East Cape, although, owing to its influence, rains were experienced and snow fell on higher levels farther south. This storm was closely followed by a westerly depression, which caused strong northerly and westerly winds and more general rain, heavy falls occurring along the West Coast.

Between the 23rd and 28th another westerly disturbance, having two centres, brought gales and heavy rain, particularly to the Manawatu, Wanganui, and Taranaki districts, and severe floods caused considerable damage in these parts.

Frosts were fairly frequent in the east coast districts, but the month may generally be described as "a good winter month."

D. C. BATES, Director.