

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for June 1971—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Fahrenheit)								Rainfall in Inches				Bright Sun-Shine	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	In.	In.	Hrs.					
Berwick Forest ..	60	50.4	35.4	42.9	+1.7	57.9	5	25.2	22	5.53	15	+2.8	2.31	6	..
Dunedin Airport ..	4	51.3	33.3	42.3	+1.3	57.2	5	20.8	22	4.21	15	+2.1	1.59	7	92
Musselburgh, Dunedin ..	5	52.0	41.2	46.6	+2.4	60.0	18	32.0	15	6.33	17	+3.4	2.31	6	92
Oamaru ..	99	54.0	40.6	47.3	+3.0	60.6	20	31.2	23	4.57	11	+2.9	1.29	6	94
West Arm, Lake Manapouri ..	590	46.2	37.6	41.9	+2.3	50.9	11	31.1	13	8.03	18	-2.7	1.42	10	..
Borland Saddle ..	3,250	41.2	33.0	37.1	..	50.0	5	26.0	13	5.01	12	..	1.20	1	..
Queenstown ..	1,080	48.2	36.2	42.2	+2.4	56.0	16	29.3	21	2.65	13	+0.5	1.08	6	77
Queenstown Aerodrome ..	1,154	..	33.1	..	..	..	..	24.4	21	2.08	13	..	0.69	6	..
Mid Dome ..	1,268	48.6	34.3	41.4	+2.5	58.4	10	25.8	13	2.49	12	-0.5	0.82	7	..
Cromwell ..	698	47.9	33.9	40.9	+2.4	56.9	10	26.1	19	1.81	10	+0.8	1.10	6	..
Ophir ..	1,000	47.4	31.3	39.4	+3.6	55.8	10	21.2	22	1.83	6	+0.8	1.12	6	..
Moa Creek ..	1,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnsclough ..	500	48.0	32.7	40.4	+3.2	56.1	16	23.0	20	2.14	7	+1.3	1.03	6	..
Alexandra ..	461	47.7	36.3	42.0	+4.0	55.4	16	24.4	23	2.15	7	+1.4	1.07	6	76
Roxburgh (Power Station) ..	360	49.0	37.6	43.3	+2.4	56.0	11	29.0	21	2.43	9	+0.9	1.12	6	..
Moa Flat, West Otago ..	1,345	47.2	35.3	41.2	+3.0	53.8	9	28.8	21	3.12	12	+0.3	1.32	6	..
Mahinerangi Dam ..	1,300	48.3	34.8	41.6	..	58.1	5	25.3	22	4.81	18	+1.4	1.76	7	..
Tapanui ..	740	51.0	37.0	44.0	+3.3	60.0	5	29.0	30	3.48	14	-0.3	1.23	7	..
Rankleburn Forest ..	835	48.6	36.4	42.5	+3.2	55.0	5	29.6	13	5.14	17	+2.3	2.15	7	..
Taieri Mouth ..	50	51.4	38.6	45.0	..	56.8	5	28.9	22	5.16	14	..	1.95	6	..
Otautau ..	180	50.3	34.7	42.4	+0.9	57.0	9	26.0	13	4.29	11	+0.5	1.53	7	98
Winton ..	145	51.9	36.5	44.2	+2.4	58.2	5	27.8	13	3.88	12	..	1.25	7	108
Gore ..	235	50.3	38.1	44.2	+3.2	57.3	18	28.9	22	2.91	15	0.0	1.04	7	101
Hokonui Forest ..	150	51.6	37.1	44.4	+3.1	58.0	10	26.0	21	3.83	13	+0.3	0.95	6	..
Woodlands ..	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill Airport ..	1	51.3	35.6	43.4	+1.8	56.7	5	27.3	22	3.64	16	-0.3	0.71	6	87
Tiwai Point ..	15	51.3	39.6	45.4	..	57.0	5	32.1	21	5.03	18	..	0.97	7	..
Milton ..	60	50.7	34.6	42.6	+1.6	56.1	4	23.5	22	3.71	14	..	0.99	6	..
Finegand, Balclutha ..	20	50.6	37.1	43.8	+2.5	56.0	5	27.8	22	4.19	12	..	1.50	6	91
Nugget Point ..	430	49.5	41.4	45.4	..	55.8	27	32.5	22	4.44	21	..	1.86	6	..
Rarotonga, Cook Islands ..	15	79.5	68.5	74.0	+1.6	84.4	22	60.3	17	9.84	13	+5.7	3.55	2	194
Raoul Island ..	126	69.6	61.9	65.8	+2.9	73.0	3	53.4	24	9.31	20	+3.1	2.82	8	109
Chatham Islands ..	157	53.2	44.4	48.8	+2.1	58.5	7	33.3	23	3.13	23	-0.8	1.04	7	69
Campbell Island ..	49	46.0	35.4	40.7	+0.2	51.3	22	23.5	3	2.57	21	..	0.32	27	0
Scott Base, Antarctica ..	58	..	..	-14.3	+1.0	10.8	8	-43.2	28	..	..	..	..	..	..
Lake Vanda, Antarctica ..	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..

LATE RETURNS

Pukekohe, April, 1971 ..	270	..	..	..	..	..	..	..	..	..	..	..	..	..	122
Pukekohe, May, 1971 ..	270	..	..	..	..	..	..	..	..	..	..	..	..	..	149
Whatawhata, May, 1971 ..	340	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruatoria, May, 1971 ..	200	64.0	49.4	56.7	+3.0	73.4	5	32.9	27	16.39	20	+8.5	3.25	2	..
Greymouth, May, 1971 ..	14	60.3	46.5	53.4	+2.0	67.0	2	39.1	25	8.87	13	+1.0	2.20	12	139
Franz Josef, May, 1971 ..	400	59.9	42.3	51.1	+2.5	65.5	5	35.8	27	16.76	15	+0.2	5.10	12	..
Lake Pukaki No. 2, May, 1971 ..	1,825	51.8	38.0	44.9	..	62.0	1	29.5	28	1.89	8	..	0.70	12	..
Tara Hills, April, 1971 ..	1,600	61.1	38.1	49.6	+0.9	70.1	8	28.1	11	0.57	4	-1.2	0.36	12	192

The "normal" refers to the present site of the instruments. The standard periods for normals are: for temperature 1931-60, for rainfall 1921-50, and for sunshine 1935-60. No normals are available for stations with only short records.

*The sunshine recorder is not located at the station but is in the near vicinity.

NOTES ON THE WEATHER FOR JUNE 1971

General—For a considerable part of the country, especially in the North Island, this was the warmest June in over a century of observations. The mildness of early winter was appreciated by farmers, who found growth good for the time of the year.

There was an unusually high frequency of northerly to easterly winds, as in the previous 7 months.

Rainfall—In the South Island rainfall was above normal except on the Kaikoura coast and in parts of North Canterbury. Departures were mainly 50 percent. However, a considerable area extending from the Rangitata River to Dunedin and from the coast to 40 miles inland received more than double the normal value. Parts of Nelson and Marlborough also received more than double.

Over the North Island the range of variation was greater. Hawke's Bay and the southern part of Gisborne received from 7 percent to half of the normal value. Wairoa's total of 26 mm (1.08 in.) was one of the lowest June values in 40 years of records. On the other hand, in parts of Bay of Plenty rainfall was more than double the normal value.

The period from the 3rd to the 7th was the wettest in the month. Flooding occurred in Bay of Plenty following on rainfalls of up to 300 mm (12 in.) in the 4 days 3-6 June; and it occurred in parts of Otago after rainfalls of 150 mm (6 in.) on the 6th and 7th.

Temperatures—Temperatures were above normal over the whole country. Departures of 2-3°C (4-6°F) were recorded over almost all the North Island and in Marlborough, Nelson, and Westland