

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 1972—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Celsius)								Rainfall in Millimetres					Bright Sunshine
		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	
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Taiaroa Head	76	14.2	8.7	11.5	+0.9	20.0	30	3.5	26	59	16	-12	22	23	..
Taieri	24	15.5	6.8	11.1	+0.5	21.7	30	0.0	29	47	13	-11	13	23	..
Berwick Forest	18	15.9	6.3	11.1	+0.4	24.1	10	0.1	29	82	16	-13	12	27	..
Dunedin Airport	1	15.9	6.0	11.0	+0.6	24.0	10	-0.4	29	49	17	+1	8	3	95
Musselburgh, Dunedin	2	15.3	7.9	11.6	+1.1	23.0	30	3.8	29	69	17	+5	16	3	82
Oamaru	30	16.7	8.1	12.4	+0.8	23.2	21	1.5	29	23	12	-18	9	23	111
West Arm, Lake Manapouri	180	12.8	7.6	10.2	+0.9	17.0	10	3.0	19,20	491	21	+173	70	27	..
Borland Saddle	991	9.7	3.4	6.6	..	16.8	13	-2.3	26	176	21	..	21	18	..
Queenstown	329	15.8	7.4	11.6	+1.1	22.2	4	1.0	20	95	13	+21	43	23	105
Queenstown Aerodrome	352	15.7	6.7	11.2	..	21.5	4	-1.6	29	88	12	..	34	23	..
Mid Dome	387	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell	213	17.7	5.0	11.4	+0.5	23.8	4	-3.2	20	40	11	+2	26	23	..
Moa Creek	427	15.6	1.7	8.7	+0.7	23.0	10	-6.9	29	46	..	+13	..	..	..
Earnsclough	152	17.9	5.2	11.6	+1.2	23.4	4	-4.5	20	34	8	-2	18	23	..
Alexandra	141	17.4	6.2	11.8	+1.0	22.8	2,22	-2.5	20	34	10	+1	18	23	133
Roxburgh (Power Station)	110	17.1	6.6	11.9	+0.7	22.7	10	0.0	20	36	12	-12	13	23	..
Moa Flat	410	13.9	4.5	9.2	0.0	19.3	11	-1.5	20	70	18	+4	10	3	..
Mahinerangi Dam	396	13.1	4.8	9.0	+0.2	20.4	11	-0.3	29,30	126	17	+42	22	3	..
Tapanui	226	14.5	5.9	10.2	0.0	21.8	11	1.0	29	101	20	+25	13	25	..
Rankleburn Forest	255	14.1	5.6	9.9	+0.4	19.6	11	0.5	29	127	19	+53	20	25	..
Taieri Mouth	15	14.7	7.0	10.9	..	21.9	30	1.0	29	84	13	+10	19	4	..
Otautau	55	15.3	6.2	10.8	+0.6	20.5	10	-0.5	9	154	19	+65	21	18	94
Winton	44	14.8	6.5	10.7	+0.1	21.4	10	0.6	9	99	18	..	17	16	91
Gore D.S.I.R.	124	14.3	6.7	10.5	..	21.0	10	1.1	29	122	21	+51	15	25	93
Hokonui Forest	46	14.8	6.9	10.9	+0.5	22.0	10	0.5	9	131	20	+47	16	16	..
Woodlands	47	14.6	6.6	10.6	..	20.9	10	-0.3	9	190	22	..	22	16	..
Invercargill Aerodrome	0	14.3	6.2	10.3	+0.3	20.9	10	-0.9	9	182	20	+85	30	22	82
Tiwai Point, Bluff	5	14.0	7.7	10.9	..	17.8	10	3.0	29	182	19	..	50	22	..
Milton	18	15.0	6.2	10.6	+0.1	23.4	10	-1.2	29	73	14	+9	12	27	..
Finegand, Balclutha	6	15.6	6.1	10.9	+0.9	21.2	11	-1.5	9	66	18	..	15	16	100
Nugget Point	131	13.4	7.4	10.4	..	19.0	11,30	3.1	26	146	23	+72	26	22	..
Rarotonga Airport, Cook Is.	5	29.3	22.3	25.8	+0.6	30.7	22	18.4	4	36	15	-139	7	6	238
Raoul Island, Kermadec Is.	38	23.4	17.8	20.6	0.0	25.8	12	14.4	30	50	13	-72	24	9	206
Waitangi, Chatham Islands	48	14.4	8.2	11.3	-0.7	17.1	6	2.1	20	95	20	+29	14	24	86
Campbell Island	15	8.9	3.6	6.3	-0.9	11.9	1	-2.5	20	120	29	-2	17	25	34
Scott Base, Antarctica	18	..	..	-25.7	-1.2	-11.2	27	-44.7	29	..	..	..	..	..	..

LATE RETURNS

Tairua Forest, March 1972	3	..	14.5	..	..	..	..	9.0	19	368	15	+271	71	8	..
Paeroa, March 1972	4	23.5	13.4	18.5	+2.1	23.6	26	7.4	15	249	13	+160	61	5	..
Makaretu, January 1972	335	22.1	9.5	15.8	..	27.3	13	0.5	28	61	16	..	13	7	..
Mount Bruce, March 1972	305	19.9	11.3	15.6	..	25.7	3	2.5	19	185	16	..	52	10	..
Kahui, Taihape, March 1972	518	20.3	11.5	15.9	..	25.8	3	6.2	19	102	10	..	34	9	..
Haldon, March 1972	399	19.9	6.6	13.3	..	27.5	23	..	..	31	..	..	12	10	..
Lower Retaruke, March 1972	223	22.2	11.3	16.8	..	26.0	2	3.4	19	154	9	..	37	4	..

Errata—

Makaretu, November 1971	335	19.0	8.1	13.6	..	23.4	29	1.1	22	93	14	..	13	20	..
Makaretu, December 1971	335	21.2	10.8	16.0	..	27.0	25	3.9	6	82	13	..	49	3	..

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.

A "rain day" is equal to or greater than 0.1 mm.

NOTES ON THE WEATHER FOR APRIL 1972

General—Although April was marked by an unusually high frequency of south-westerly winds, it was a warm month. Conditions were mainly favourable for farming, especially in the North Island, where dairy production was higher than usual.

South-westerly gales were reported in many districts on the 17th, 18th, and 19th.

Rainfall—Rainfall was mainly somewhat below normal over the North Island and somewhat above normal over the South Island. The greatest deficiencies were recorded in Bay of Plenty, most of which had less than half the normal, with some eastern coastal areas below a quarter. Greatest excesses were recorded in two areas, both of which had more than 50 per cent above normal. The first was an inland area extending through parts of Nelson, Buller, and North Canterbury. The second consisted of Stewart Island and eastern Southland with parts of South Otago.

Temperatures—Temperatures were above normal, mainly by ½-1°C.

Sunshine—Sunshine was above normal by 20-40 hours in eastern and southern districts of the North Island. It was below normal by 20-40 hours in Buller and North Westland and by 20-30 hours in Otago and Southland.

Weather Sequence—During the first 5 days of April an anticyclone moved from Bass Strait across the Tasman Sea to the east of the North Island, while pressures remained low to the east and south-east of the South Island. South-westerlies predominated with settled weather in many districts. However, some showery periods were reported on the Southland and Otago coast and on the West Coast; while light showers affected western districts of the North Island.

From the 6th to the 8th pressures were low over the eastern Tasman Sea and New Zealand. A depression formed over the North Tasman Sea and moved on to the South Island. A second depression then formed west of Northland and remained almost stationary. Rain was general as far south as Canterbury and South Westland.

The second depression drifted northward on the 9th, while an anticyclone moved on to the country, progressing further eastward during the next 2 days. Easterlies brought showers at times to Northland, Gisborne, and Hawke's Bay. During the next 4 days an anticyclone passed over and to the east of Campbell Island, while pressures were low over the North Island. Easterlies became more general, bringing rain to eastern districts as far south as Christchurch and also to Northland.