

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for January 1957—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Fahrenheit)								Rainfall in Inches				Bright Sunshine Hrs.	
		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.	In.		In.		Hrs.	
Eyrewell	520	74.5	51.0	62.8	..	91.0	31	43.0	20	2.17	8	-1.23*	0.85	6	..
Ashley Forest	460	72.0	53.1	62.0	+1.5*	87.4	31	44.4	4	2.02	6	-0.78*	0.81	6	..
Darfield	640	74.9	50.8	62.8	+2.0	90.7	31	42.8	3	1.17	9	-1.61	0.59	6	..
Harewood	94	73.6	52.8	63.2	..	90.5	31	42.0	3	1.84	8	..	1.00	6	288
Christchurch	22	74.1	53.6	63.8	+2.4	87.8	31	45.0	3	1.84	6	-0.39	1.08	6	..
Wigram	74	73.7	53.6	63.6	+2.4*	90.0	31	44.9	4	2.62	7	+0.53*	1.59	6	..
Akaroa	150	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lincoln	36	75.2	50.4	62.8	+2.4	92.1	31	39.7	4	1.94	5	-0.16	0.64	6	294
Highbank	1,102	71.8	50.9	61.4	..	83.4	31	35.5	13	3.04	8	..	1.35	6	279
The Hermitage	2,510	66.9	46.7	56.8	+1.0	78.0	31	37.0	3, 18	9.60	15	-9.19	2.00	28	170
Winchmore	525	74.0	48.9	61.4	+1.8*	90.5	31	39.1	3	2.19	8	-0.25*	0.96	6	..
Haast	15	65.0	49.2	57.1	-1.0*	70.0	27	41.2	18	9.68	20	-5.37*	2.80	27	173
Ashburton	323	77.6	50.0	63.8	+2.8	96.0	31	40.6	4	1.39	5	-1.24	0.77	6	263
Fairlie	1,004	74.5	45.9	60.2	+1.0	85.0	21, 26	34.0	22	0.59	4	-2.43	0.43	27	..
Timaru	56	74.0	52.4	63.2	+2.6	86.8	20, 26	44.8	3	0.64	6	-1.73	0.26	27	232
Adair	200	71.9	51.5	61.7	+2.7*	87.9	26	44.9	3	0.43	5	-2.11*	0.24	27	..
Tara Hills, Omarama ..	1,600	73.9	46.7	60.3	+0.3*	84.9	30	36.1	18	1.15	8	-1.07*	0.76	27	227
Milford Sound	20	63.8	51.3	57.6	+0.4	73.2	25	45.0	11	26.80	21	+0.42	10.15	26	..
Waimate	200	73.6	52.1	62.8	+2.6	88.6	26	46.9	21	0.73	8	-1.88	0.33	17	217
Naseby	2,300	69.0	43.0	56.0	..	83.1	30	31.9	18	2.09	8	..	0.84	27	..
Queenstown	1,100	71.0	49.2	60.1	+0.7	83.3	26	42.6	18	2.58	13	-0.45	0.93	27	240
Cromwell	720	75.6	50.7	63.2	+1.1*	85.9	31	43.5	21	1.52	10	-0.26*	0.98	27	..
Ophir	1,000	74.1	47.1	60.6	+0.4	84.3	30	33.4	18	1.70	7	-0.14	0.83	27	..
Earnsclough	500	75.6	48.4	62.0	+1.0*	88.4	26	36.9	18	2.07	9	+0.45*	1.08	9	..
Waipiata	1,550	70.4	45.8	58.1	+0.1	81.8	31	34.8	18	1.56	8	-0.45	0.51	27	222
Alexandra	520	76.3	51.4	63.8	+2.1	88.9	31	41.2	18	1.08	9	-0.76	0.61	27	232
Manorburn Dam† ..	2,448	65.3	42.4	53.8	+0.7	75.0	30	33.0	18	2.46	8	+0.28	0.67	27	..
Garston	1,009	70.5	46.6	58.6	..	82.0	30	35.1	18	3.26	14	..	0.80	27	..
Roxburgh Hydro ..	350	75.0	50.3	62.6	..	90.2	31	40.0	18	1.66	12	-0.12*	0.40	27	..
Mid Dome	1,252	68.7	46.8	57.8	..	82.3	26	39.0	18	4.72	15	..	1.03	6	..
Moa Flat, West Otago ..	1,345	66.6	46.5	56.7	..	80.3	26	38.8	18	2.76	14	+0.04*	0.62	27	..
Mossburn	961	68.3	46.6	57.4	..	78.1	26	37.9	23	4.42	14	..	1.98	26	..
Taieri	80	69.2	48.7	59.0	+1.2*	84.6	26	42.5	29	2.66	13	+0.28*	0.90	6	186
Musselburgh, Dunedin ..	5	67.8	52.6	60.2	+2.0*	80.3	20	42.6	18	3.25	15	+0.52	1.07	6	204
Tapanui	550	69.2	47.7	58.4	..	79.5	26	42.3	10, 28	2.89	12	..	0.56	6	..
East Gore	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gore	240	70.4	48.6	59.5	+1.1*	82.0	26	41.0	14	5.28	17	+2.20*	0.95	2	187
Otautau	180	67.4	47.4	57.4	+0.3*	76.6	26	39.8	15	4.90	17	+1.73*	2.20	26	187
Pebble Hills	150	68.5	46.9	57.7	..	83.0	26	39.0	25	4.70	17	+1.22	0.95	26	..
Invercargill South	8	66.9	49.9	58.4	+1.2	77.3	24	43.0	18	5.29	17	+1.48*	1.34	26	..
Invercargill Airfield ..	0	65.2	47.3	56.2	+0.0*	75.6	24	40.3	15	5.65	17	+1.92*	1.37	26	197

†Observations for 26 days.

LATE RETURNS

Paerata, December, 1956 ..	166	72.5	51.8	62.2	+0.2*	77.4	27	45.7	4	5.14	15	+2.50	1.45	11	..
Wallaceville, Dec., 1956 ..	195	67.8	52.0	59.9	+1.9*	74.4	21	38.6	3	2.18	11	-2.31	0.51	12	190
Molesworth, Dec., 1956 ..	2,930	64.8	43.3	54.0	-0.8*	80.0	9	33.0	3	2.16	5	+0.02*	0.90	12	..
Balmoral, December, 1956 ..	650	70.4	49.9	60.2	+2.9	84.5	9	39.0	4, 24	3.14	11	+0.84	0.79	26	..
The Hermitage, Dec., 1956 ..	2,510	62.5	44.2	53.4	-1.2	78.0	8, 9	31.0	24	10.50	18	-2.42	2.70	29	..
Fairlie, December, 1956 ..	1,004	67.3	46.1	56.7	-0.4	80.0	25	36.0	24	2.34	11	-0.55	1.00	12	..

NOTE—At stations where departures from normal have an asterisk, the temperature record has been maintained for less than ten years, the rainfall record for less than twenty years. Rainfall normals have been revised and now refer to the standard period 1921–50. Where observations are not available for the whole period, or where the site of the rain gauge has been changed, the normals are partly interpolated.

NOTES ON THE WEATHER FOR JANUARY 1957

General: January was unusually dry and sunny. The long spell of settled weather was welcomed by holiday-makers and farmers alike. Shearing and haymaking were in full swing after numerous set-backs in previous months. Fruit ripened quickly and was harvested under excellent conditions. By the end of the month, however, pastures were drying up and this was adversely affecting dairy production.

Rainfall: Rainfall was less than a quarter of the normal value over most of the Auckland Province, also over the greater part of Taranaki and Marlborough. The greatest deficiency was in Northland, where few stations received even half an inch.

Only in Otago and Southland did totals reach the average value.

Thunderstorms affected parts of Southland and Canterbury on the 6th. In the Methven district of inland Canterbury the thunderstorm was associated with heavy hail, which caused serious damage to crops.

Temperature: Temperatures were mainly above normal by about a degree. On the Canterbury coast and about Cook Strait it was warmer than usual by 2 to 3 degrees.

Sunshine: Except in Otago and Southland, sunshine was well above normal, mainly by about 50 hours. For Auckland, Palmerston North, Nelson, and Blenheim it was the sunniest January in some 35 to 50 years of records. The highest total was 335 hours, at Blenheim.

Weather Sequence: A deep depression centred to the south moved eastward on the first two days of the month, giving generally unsettled weather, with rather cool temperatures. Fair weather accompanied the passage of a ridge of high pressure on the 3rd, but more rain came to many districts from the 4th to the 6th as a trough of low pressure moved slowly north-eastward over the country. Thunderstorms affected parts of Southland and Canterbury on the 6th.

From the 7th to the 26th pressures remained high in the New Zealand area, especially over the North Island. However, from the 11th to 13th a tropical cyclone which had formed about a week earlier near New Caledonia moved southward past East Cape, bringing rain to Gisborne and Hawke's Bay and also unusually heavy seas from Tauranga to Napier. In addition a number of depressions passed far to the south of the country, bringing rather unsettled conditions to western and far southern districts of the South Island. Most other parts of the country had very warm, sunny weather over this twenty-day period.

A trough of low pressure moved on to the country on the 27th and soon became stationary. The whole of the southern half of the South Island received some rain, with substantial falls in Westland. A few northern and western districts of the North Island also benefited on the 28th and 29th, but the falls were very light. On the last two days of the month pressures were again high in the New Zealand area, but a depression was approaching from the north-west. Rain came once again to the West Coast, and some light falls also affected parts of the Auckland Province.

M. A. F. BARNETT, Director.