

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for February 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.			Maxi-mum	Date	Mini-mum	Date				Amount		Date
Ft.	°F.	°F.	°F.	°F.	°F.		°F.	In.		In.					
Eyrewell .. .. .	520	75.6	52.2	63.9	..	89.3	1	39.0	24	1.33	8	-1.79	0.52	26	
Ashley Forest .. .. .	460	72.1	53.2	62.6	+2.6*	86.4	21	37.4	3	1.43	8	-1.20*	0.41	19	
Darfield .. .. .	640	76.7	51.9	64.3	+4.3	90.2	1	38.6	27	1.65	10	-0.88	0.62	26	
Harewood .. .. .	94	73.9	54.1	64.0	..	90.8	4	41.5	27	0.57	6	..	0.20	25	
Christchurch .. .. .	22	75.2	54.6	64.9	+4.1	90.2	4	40.7	27	0.54	8	-1.26	0.18	25	
Wigram .. .. .	74	74.7	54.4	64.6	+3.9*	89.5	4	40.6	27	0.64	6	-1.03*	0.27	25	
Akaroa .. .. .	150	75.3	55.6	65.4	+3.5	88.8	4	43.8	21	1.08	10	-1.39*	0.37	26	
Lincoln .. .. .	36	76.3	51.8	64.0	+4.3	93.2	4	37.9	7	1.12	8	-0.63	0.41	25	
Highbank .. .. .	1,102	73.8	53.0	63.4	..	85.1	11	42.2	27	2.45	12	..	0.56	26	
The Hermitage .. .. .	2,510	..	..	..	..	..	..	..	..	..	..	..	..	..	
Winchmore .. .. .	525	74.1	51.8	63.0	+3.4*	87.1	4	39.8	24	2.31	11	+0.03*	0.88	26	
Haast .. .. .	15	68.9	50.7	59.8	+1.4*	77.4	12	41.3	26	8.59	8	-5.01*	2.09	5	
Ashburton .. .. .	323	77.6	53.8	65.7	+4.7	92.0	4	40.0	27	2.19	10	-0.50	0.74	26	
Fairlie .. .. .	1,004	74.0	48.3	61.2	+2.6	92.0	12	36.0	7	1.84	8	-1.08	0.77	26	
Timaru .. .. .	56	72.9	52.9	62.9	+2.7	88.5	4	42.8	23	1.95	12	-0.27	0.62	26	
Adair .. .. .	200	72.2	53.1	62.6	+4.6*	90.0	4	45.1	27	2.08	13	-0.24*	0.60	25	
Tara Hills, Omarama .. .. .	1,600	75.0	47.9	61.4	+1.7*	84.9	3	35.8	8	1.49	6	-0.20*	0.97	12	
Milford Sound .. .. .	20	66.1	52.2	59.2	+2.2	71.5	15, 18	45.5	27	20.88	12	-2.70	7.42	21	
Waimate .. .. .	200	73.4	52.9	63.2	+3.1	90.0	4	45.8	23	2.37	10	+0.05	0.46	6	
Naseby .. .. .	2,300	72.0	44.1	58.0	..	83.8	3	31.3	8	2.79	8	..	0.97	25	
Queenstown .. .. .	1,100	72.5	50.9	61.7	+2.1	82.4	15	42.9	26	1.76	7	-0.65	0.47	21	
Cromwell .. .. .	720	76.5	52.3	64.4	+2.8*	84.8	15	39.9	8	1.95	6	+0.27*	1.15	12	
Ophir .. .. .	1,000	75.2	48.1	61.6	+1.8	85.4	3	31.0	8	2.17	5	+0.24	1.14	12	
Earnsclough .. .. .	500	76.5	48.9	62.7	+2.0*	86.3	3	33.3	8	1.50	6	+0.25*	0.75	12	
Waipiata .. .. .	1,550	71.6	47.4	59.5	+1.7	82.6	3	32.8	8	2.28	9	+0.28	0.83	28	
Alexandra .. .. .	520	77.6	52.2	64.9	+3.5	87.5	3	37.8	8	1.79	6	+0.32	0.87	12	
Manorburn Dam† .. .. .	2,448	66.8	43.6	55.2	+1.6	77.2	3	33.5	8	2.04	7	+0.28	0.58	25	
Garston .. .. .	1,009	73.1	47.5	60.3	..	82.9	3	33.6	8	1.15	8	..	0.43	21	
Roxburgh Hydro .. .. .	350	76.4	51.9	64.2	..	87.0	3	42.0	9	0.91	8	-0.82	0.31	21	
Mid Dome .. .. .	1,252	72.4	48.9	60.6	..	82.3	21	37.1	8	1.59	10	..	0.38	21	
Moa Flat, West Otago .. .. .	1,345	68.3	47.3	57.8	..	78.6	11	37.8	8	1.80	13	-1.15*	0.63	21	
Mossburn .. .. .	961	..	..	..	..	..	..	..	..	..	..	..	..	..	
Taieri .. .. .	80	70.6	48.7	59.6	+1.9*	86.4	21	36.4	9	2.20	8	-0.11*	0.81	25	
Musselburgh, Dunedin .. .. .	5	69.0	53.1	61.0	+2.5*	81.2	21	45.0	9	2.57	11	-0.38	0.95	25	
Tapuanui .. .. .	550	71.3	48.2	59.8	..	85.0	11	39.5	9	2.48	11	..	0.96	21	
East Gore .. .. .	245	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gore .. .. .	240	71.5	47.9	59.7	+1.4*	86.0	11	37.0	8	1.82	10	-0.99*	0.84	21	
Otautau .. .. .	180	68.1	48.3	58.2	+1.8*	81.8	16	35.5	9	1.66	11	-1.35*	0.35	26	
Pebble Hills .. .. .	150	69.3	47.4	58.4	..	84.0	11	36.0	9	2.96	14	-0.52*	0.99	21	
Invercargill South .. .. .	8	68.1	51.6	59.8	+2.6	83.8	11	41.3	9	2.11	14	-1.32*	0.75	21	
Invercargill Airfield .. .. .	0	66.5	48.7	57.6	+1.4*	80.4	11	37.1	9	2.01	14	-1.34*	0.69	21	

†Observations for 24 days.

LATE RETURNS

Paerata, January, 1957 ..	166	77.4	53.8	65.6	+0.9*	86.9	31	48.1	4	0.63	4	-2.74	0.31	1
Waihi, January, 1957 ..	354	75.7	53.9	64.8	+0.3	80.3	13, 14	45.3	20	0.55	6	-4.93	0.28	1
Chateau Tongariro, January, 1957	3,670	62.8	44.2	53.5	+1.2	73.0	15	35.0	22	3.56	8	-5.01*	1.15	6
Kuripapanga, January, 1957	1,600	72.2	46.7	59.4	..	81.2	16	39.2	7	1.42	7	..	0.56	13
Dannevirke, January, 1957	685	73.1	47.5	60.3	..	80.8	27	43.3	18	2.24	7	-0.95*	0.64	3
Akaroa, January, 1957 ..	150	75.0	54.9	65.0	+3.0	89.0	31	46.0	4	1.10	7	-1.22*	0.64	6
East Gore, January, 1957 ..	245	69.8	48.2	59.0	+1.0	82.0	24	39.0	28	5.66	18	+2.58	1.28	2

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 FEBRUARY 1957

February was a warm month and, like January, also rather dry. Good rains fell in the first few days and again towards the end of the month, but in many districts these were not considered adequate. Pasture growth was affected in most parts of the country, and in some areas dairy production was reported to be down.

A small local tornado caused some damage in Greymouth on the 26th.

**Rainfall:** It was drier than usual, except in Otago and in north-eastern Northland. Rainfall was less than half the normal value in Hawke's Bay and Wairarapa, and in western districts of the Auckland Province south of Kaipara Harbour. Parts of central and southern Hawke's Bay received totals of less than a quarter of an inch.

A series of rather violent thunderstorms affected the New Plymouth - Wellington - Nelson area on the night of the 3rd and the morning of the 4th.

**Temperature:** Mean temperatures were above normal, mainly by about 3 degrees.

**Sunshine:** Most districts were favoured with more sunshine than usual by about 20 hours. However, in Taranaki and in southern and eastern districts of the Auckland Province totals were somewhat below normal.

**Weather Sequence:** On the first two days of the month a depression to the north-west brought welcome rain to Northland. From the 3rd to the 6th another depression passed just to the south-west

of Southland, and the associated trough moved north-eastward across the country. The weather was generally unsettled, but parts of Canterbury and Hawke's Bay received little or no rain. There were widespread thunderstorms in the New Plymouth - Wellington - Nelson area on the night of the 3rd.

During the fortnight from the 7th to the 20th pressures were high over New Zealand and the weather was predominantly settled. The first ten days of this period were also very sunny and warm, but from the 17th to the 19th the presence of a tropical cyclone over the north-west Tasman Sea caused skies to become overcast. Two weak troughs which crossed the country on the 12th and the 19th brought rain to the southern half of the South Island and to east coast districts respectively.

The passage of a slow-moving trough on the 21st and 22nd affected mainly western and far southern districts. For the next two days an anticyclone covered the country once again and the weather was fair or fine. On the 25th and 26th another trough crossed the country and a small disturbance formed on it. On this occasion all parts of New Zealand received some rain, and heavy falls were reported on the West Coast and about Cook Strait. On the last two days of the month the weather was again fine, under the influence of an anticyclone centred to the west.

M. A. F. BARNETT, Director.