CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for June 1959—continued

			Air Temperatures in Degrees (Fahrenheit)								Rainfall in Inches					
Station		of ation bove	Means of		Mean of A	Differ- ence	Absolute Maximum and Minimum				Total	No.	Differ- ence	Maximum Fall		Bright Sun- shine
		S.L.	A Max.	B Min.	and B	From Normal	Maxi- mum	Date	Mini- mum	Date	Fall	Rain Days	From Normal	Amount	Date	Simile
	F	t.	°F.	°F.	°F.		°F.		°F.		In.			In.		Hrs.
Hanmer	1,2	270	50.2	28.2	39.2	-1.5	60.4	21	17.0	27	1.24	6	$-2 \cdot 25$	0.69	13	130
Hokitika South		15	52.6	35.3	44.0	-0.3*	56.1	13	27.9	30	5.54	14	-3.29*	1.35	21	124
Balmoral		550	53 · 7	27.3	40.5	-0.8	63.0	13	15.1	27	0.51	4	-1.79	0.28	21	
Lake Coleridge		195	52.2	29.3	40.8	+0.4	61.0	16	20.0	27, 28	2.02	6	-0.44	0.82	13	
Eyrewell		520	52·9 52·5	30.6	41.8		64·0 57·1	13 19	21·1 27·8	24 27	13.43	13	-2.53*	0·30 3·10	13 12	
Franz Josef	1	150 350	53.6	35.1	43.8	+1:9*	64.0	13	26.8	25	0.72	3	-2·08*	0.30	21	
Ashley Forest		540	53.2	32.3	42.8	+1.0	62.1	13	21.4	27	0.77	4	-1.72	0.35	21	
Christchurch Airport		94	52.6	30.8	41.7	11.0	64.9	13	22.9	26	0.27	3	1-12	0.15	21	160
Christchurch		22	52.7	30.9	41.8	-1.4	65.0	13	22.3	26	0.15	2	-2.44	0.12	21	100
Wigram		74	53.3	31.6	42.4	-0.9*	65.3	13	21.3	26	0.25	3	$-2 \cdot 19*$	0.19	21	
Akaroa		150	54.5	37.4	46.0	+0.4	66.8	14	27.3	27	1.01	6	-3.62*	0.40	4	145
Lincoln		36	52.9	30.7	41.8	-0.3	63.9	29	21.0	26	0.40	11	-2.05	0.26	21	158
Highbank	1,1		53.5	36.1	44.8		61.0	30	22.0	27	1.39	5		0.79	13	173
The Hermitage	2,5		49.2	30.1	39.6	+3.3	61.0	30	22.0	5 .	17.83	10	+5.75	8.05	13	89
Winchmore	1. 6	526	52.2	30.8	41.5	+1.1*	62.0	13	20.2	23	0.81	3	-1.39*	0.41	21	::-
Haast		15	51.7	35.9	43.8	-1.8*	56.0	1	29.4	26	8.94	15	+1.51*	1.49	6	125
Ashburton		323	54·3 54·7	31.0	42.6	$+0.8 \\ +2.3$	65·4 65·0	30	20.6	26 27	0.66	3	$-1.94 \\ -0.80$	0.45	21 13	168
Fairlie	1,0	56	52.3	32.1	42.2	-0.5	66.3	13	25.1	28	0.69	3	-0.90	0.45	21	165
Adair	2	200	53.6	33.9	43.8	+0.4*	66.1	29	23.8	26	0.49	2	-1.55*	0.38	21	103
Tara Hills, Omarama	1,6	2000000	48.6	26.1	37.4	+2.1*	60 · 1	13	15.8	27.	1.45	4	+0.00*	1.07	13	174
Benmore, Otematata		20	49.8	31 · 1	40.4		63.6	13	23.8	27	0.99	4		0.66	13	
Milford Sound		20	48.7	35.4	42.0	+0.1	58.2	13	30.2	27, 28	21.89	16	+7.94	6.79	13	
Waimate		200	54.9	31.5	43.2	-0.1	65.6	13	21.9	27	0.34	5	-1.68	0.15	21	161
Naseby	2,3		47.9	27.3	37.6		59.0	13	17.3	24	0.96	5		0.47	12	
Queenstown	1,1		49.8	32.1	41.0	+1.5	59.0	13, 17	26.7	27	3.38	8	+1.04	1.08	13	79
Cromwell		20	50.8	28·7 25·8	39·8 37·5	+2.2*	63.2	13	19·2 14·9	27 30	1·37 0·52	6	+0.40*	0.75	12	
Ophir	1,0		47.8	22.8	35.3	+2.0	61·4 57·0	16	12.8	27	0.32	4	-0.44	0.21	21	
Moa Creek Earnscleugh	F	500	50.2	26.6	38.4	+1:4*	63.0	13	17.0	27	0.74	9	-0.05*	0.28	12	
Waipiata	1,5		48.6	31.1	39.8	+2.7	60.0	13	21.2	8	0.34	5	-0.77	0.10	10	124
Alexandra		520	49.1	28.7	38.9	+1.2	64.0	13	19.0	27	0.42	7	-0.37		12, 13	128
Garston	1,0	009	49.3	29.2	39.2		60.2	13	20.0	26	2.22	11		0.74	13	
Roxburgh Hydro		350	50.6	32.3	42.4		64.0	13	24.0	8	0.58	8		0.13	12	
Moa Flat, West Otago	1,3		47.7	32.2	40.0		59.4	13	25.7	8	1.24	11	-1.06*	0.34	14	11.
Taieri		80	53.3	32.5	42.9	+1.1*	66.0	13	22.2	24	0.37	8	-1.95*	0.13	21	123
Musselburgh, Dunedin		5	53.1	36·5 34·6	44·8 42·0	+1.2	$62 \cdot 4$ $61 \cdot 0$	13 13	28.3	24	1.47	10	-1.72	0.22	21	124
Fast Gara	2	550	50.1	34.3	42.0	+1.9	61.0	13	26.0	30	1.84	13	-0.91	0.27	22	
East Gore		240	50.5	33.6	42.0	+1.4*	63.0	13	26.0	30	2.02	14	-0.73*	0.33	22	108
Otautau		80	30 3	35.8	42 0		05 0	13	27.0	24	2.79	13	-0.50	0.54	14	110
Pebbly Hills		50	51.0	34 · 1	42.6		62.0	13	25.0	24	2.14	13	-1.30	0.32	14	
nvercargill		8														
nvercargill Airfield		0	50.4	34.8	42.6	+1.0	60.0	13	25.6	30	2.12	14	-1.53	0.39	14	88
						LATE	RETU	RNS								
Caingaroa, Mar 1959	1,8		68.3	50.2	59.2	+2.3	75.0	5, 25	36.0	3	5.79	9	+2.13	1.70	17	
Caingaroa, May 1959	1,8		53.5	35.8	44.6	$-1\cdot3$	63.0	1	27.2	1	5.00	16	-0.70	1.06	22	
Vaeronga-o-Kuri, May 1	959 1,1	30	54.1	43.0	48.6	-1.7*	66.5	3	31.3	26	9.80	17	-3.18*	3.46	18	
Curipapanga, May 1959			53.4	35.1	44.2		63.2	4, 10	26.1	26	12.30	22	16 464	3:40	19	
Dannevirke, May 1959	6	85	52.9	41 · 1	47.0		63.8	1	31.8	22	10.29	28	+6.46*	2.44	18	
Cromwell, May 1959	7	20	48.0	30 · 1	39.0	-4.8*	$63 \cdot 1$	1	20.3	21	1.35	16	+0.14*	0.27	2	

Note-At stations where departures from normal have an asterisk, the temperature record has been maintained for less than 10 years, the ainfall record for less than 20 years. Rainfall normals have been revised and now refer to the standard period 1921-50. Where observations re 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 June 1959

June was a sunny month of comparatively low rainfall. It rought welcome relief from the cold, wet conditions of the receding month. Frosts were frequent, and at times severe. 'astures made very little growth, but conditions generally were uite favourable for stock.

Rainfall: Over the greater part of the country rainfall was about alf the average value. In South Canterbury and North Otago, here the rainfall at some stations amounted to less than a quarter f an inch, it was one of the driest Junes on record.

The only areas with rainfall close to or somewhat above normal ere western districts of the South Island from Westport southward better with the Alps and the Lakes District, and north-eastern loothland.

Temperatures: Temperatures were about a degree below normal, cept in eastern and inland districts of the South Island from hristchurch southward, where they were 1–2 degrees warmer ian usual. The mildest temperatures were recorded during a spell westerly weather from the 12th to the 19th. Snowfall was reported to low levels in parts of the South Island in the North Island high country on the 4th.

Sunshine: Except over most of the Auckland and Taranaki rovinces, sunshine was well above average. In eastern districts om Dunedin to Waipukurau and about Cook Strait, departures '40–60 hours were recorded. For Blenheim, Ashburton, Timaru, and Dunedin it was the sunniest June in 30–50 years of observation. The only areas with sunshine appreciably below normal were orth-eastern Northland and parts of the Waikato.

Weather Sequence: With an anticyclone moving across the South isman Sea and pressures low to the south-east, cold south-esterly conditions prevailed for the first week, in continuation of e weather of the last week of May. However, the weather had improved in that showers were comparatively infrequent. Some light snow was reported to low levels in parts of the South Island and on the North Island high country. On the 8th and 9th the anticyclone moved across the country and the weather was fine. From the 10th to the 20th conditions were dominated by wester-

lies in the south, and temperatures were milder. At first a depression passed far to the south and the associated trough of low pressure brought some rain to most districts. From the 12th to the 15th another deep depression passed to the south, somewhat closer to the South Island. On this occasion the associated trough brought considerable rain to the West Coast and some rain to most other areas, but eastern districts from Christchurch to Gisborne were not affected. For the next three days an anticyclone was advancing towards the North Island, and the weather was fine apart from showers on the West Coast, gradually clearing. On the 19th and 20th the weather was fair or fine with the passage of the anticyclone over the North Island.

cyclone over the North Island.

On the 21st and 22nd a trough of low pressure crossed the country, with some rain in most districts. A depression formed to the north and persisted there for about five days, while an anticyclone remained almost stationary to the east of the South Island. From the 23rd to the 27th the weather was unsettled in Northland and Coromandel, with easterly gales at times. Gisborne and parts of Hawke's Bay also received some rain, but over the remainder of New Zealand the weather remained fine though colder. On the following day the passage of a trough affected mainly western and far southern districts of the South Island. On the 29th another anticyclone brought generally fine weather, but on the last day of the month the weather deteriorated again in Northland with the approach of a depression across the North Tasman Sea. Tasman Sea.

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