

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for August 1960—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. | °F. | In. | In. | In. | Hrs. | | | | |
| Woodbourne | 89 | 54.6 | 35.7 | 45.2 | -0.3* | 65.9 | 1 | 26.8 | 12 | 1.43 | 7 | -1.19* | 0.31 | 3 | .. |
| Blenheim | 14 | 55.0 | 35.7 | 45.4 | -0.9* | 64.1 | 3 | 27.0 | 12 | 1.47 | 8 | -0.86* | 0.40 | 5 | 201 |
| Lake Grassmere | 15 | 52.8 | 39.2 | 46.0 | .. | 66.1 | 1 | 28.9 | 13 | 1.25 | 9 | .. | 0.42 | 17 | 178 |
| Golden Downs | 900 | 52.2 | 31.0 | 41.6 | -0.6 | 62.3 | 27 | 22.7 | 13 | 1.20 | 8 | -3.98 | 0.52 | 3 | .. |
| Waihopai | 860 | 53.2 | 32.8 | 43.0 | -1.6 | 63.2 | 27 | 24.0 | 12 | 1.06 | 7 | -2.33 | 0.38 | 3 | .. |
| Westport | 7 | 53.9 | 39.2 | 46.6 | -0.2 | 59.6 | 17 | 33.0 | 21 | 3.32 | 12 | -3.76* | 0.67 | 9 | 162 |
| Molesworth | 2,930 | 45.0 | 26.2 | 35.6 | -1.4* | 57.0 | 1,27 | 14.0 | 22 | 1.21 | 5 | -0.80* | 0.39 | 4 | .. |
| Reefton | 630 | 53.0 | 32.6 | 42.8 | .. | 62.0 | 28 | 22.1 | 7 | 4.10 | 11 | .. | 1.03 | 3 | .. |
| Totara Flat | 254 | 53.2 | 33.4 | 43.3 | .. | 65.0 | 29 | 23.0 | 13 | 3.40 | 8 | .. | 1.17 | 4 | .. |
| Greymouth | 13 | 54.9 | 41.9 | 48.4 | +1.4* | 61.0 | 25 | 36.1 | 13 | 4.08 | 10 | -3.39* | 1.15 | 9 | 138 |
| Hanmer Forest | 1,270 | 52.1 | 31.2 | 41.6 | +0.2 | 65.8 | 3 | 21.0 | 14 | 3.18 | 10 | -0.40 | 1.40 | 16 | 135 |
| Hokitika South | 15 | 54.5 | 37.4 | 46.0 | +1.3* | 60.6 | 25 | 27.9 | 12 | 3.33 | 12 | -5.71* | 1.05 | 4 | 155 |
| Balmoral | 650 | 53.1 | 30.9 | 42.0 | -0.3* | 68.0 | 3 | 20.5 | 13 | 1.96 | 8 | -0.50 | 1.39 | 16 | .. |
| Lake Coleridge | 1,195 | 52.1 | 31.5 | 41.8 | -0.4 | 64.0 | 3 | 22.0 | 13 | 1.75 | 7 | -1.15 | 0.86 | 3 | .. |
| Eyrewell | 520 | 52.3 | 32.0 | 42.2 | .. | 68.2 | 3 | 22.0 | 14 | 2.06 | 6 | -1.09* | 1.44 | 16 | .. |
| Franz Josef | 392 | 54.4 | 37.0 | 45.7 | .. | 62.1 | 17 | 27.2 | 12 | 13.72 | 9 | .. | 5.21 | 4 | .. |
| Ashley Forest | 350 | 51.9 | 36.9 | 44.4 | +0.6* | 70.2 | 3 | 29.0 | 21 | 2.15 | 8 | -0.55* | 1.72 | 17 | .. |
| Darfield | 640 | 53.0 | 33.0 | 43.0 | +0.1 | 67.4 | 26 | 24.1 | 14 | 2.35 | 8 | -0.12 | 1.38 | 16 | .. |
| Christchurch Airport | 94 | 52.6 | 35.1 | 43.8 | .. | 71.0 | 3 | 25.3 | 21 | 1.32 | 9 | .. | 0.67 | 16 | 142 |
| Christchurch | 22 | 53.7 | 35.3 | 44.5 | +0.2 | 69.0 | 3 | 25.4 | 13 | 1.25 | 6 | -0.80 | 0.50 | 16 | .. |
| Hororata | 631 | 52.4 | 32.2 | 42.3 | .. | 67.4 | 26 | 21.5 | 13 | 2.40 | 8 | .. | 1.24 | 16 | .. |
| Onawe, Akaroa | 150 | 54.1 | 39.5 | 46.8 | +0.4 | 65.0 | 26 | 31.0 | 13 | 2.29 | 10 | -1.69* | 0.86 | 16 | 130 |
| Lincoln | 36 | 52.2 | 34.0 | 43.1 | +0.0 | 66.8 | 3 | 23.0 | 13 | 1.64 | 7 | -0.44 | 1.00 | 16 | 140 |
| Highbank | 1,102 | 48.5 | 36.0 | 42.2 | .. | 64.7 | 3 | 29.0 | 13 | 2.48 | 7 | .. | 1.25 | 16 | 157 |
| The Hermitage | 2,510 | 47.3 | 29.8 | 38.6 | +0.6 | 60.0 | 27 | 21.0 | 11 | 8.10 | 7 | -4.33 | 2.58 | 4 | 125 |
| Winchmore | 526 | 51.1 | 33.1 | 42.1 | -0.2* | 66.5 | 3 | 21.9 | 14 | 2.54 | 7 | +0.67 | 1.61 | 17 | .. |
| Haast | 15 | 53.8 | 39.0 | 46.4 | +0.5* | 61.0 | 17 | 30.3 | 10 | 7.85 | 11 | -6.45* | 1.77 | 3 | 150 |
| Ashburton | 323 | 54.0 | 33.5 | 43.8 | +0.1 | 70.2 | 26 | 22.0 | 14 | 2.65 | 7 | +0.33 | 1.59 | 16 | 146 |
| Fairlie | 1,004 | 50.4 | 29.9 | 40.2 | +0.0 | 66.0 | 3,26 | 17.0 | 13 | 1.43 | 8 | -0.47 | 0.56 | 4 | .. |
| Timaru | 56 | 52.4 | 35.3 | 43.8 | +0.0 | 67.3 | 3 | 26.6 | 14 | 1.38 | 8 | -0.08 | 0.79 | 17 | 124 |
| Adair | 200 | 50.3 | 36.0 | 43.2 | -0.7* | 66.1 | 3 | 29.2 | 13 | 0.83 | 7 | -0.79* | 0.40 | 17 | .. |
| Tara Hills, Omarama | 1,600 | 49.3 | 29.0 | 39.2 | +0.2* | 66.5 | 3 | 17.8 | 13 | 0.86 | 4 | -0.47* | 0.59 | 4 | 135 |
| Benmore, Otematata | 920 | 52.3 | 32.1 | 42.2 | .. | 69.5 | 3 | 21.2 | 13 | 0.40 | 6 | .. | 0.20 | 4 | .. |
| Lake Hawea | 1,147 | 49.4 | 35.2 | 42.3 | .. | 60.0 | 3 | 24.4 | 13 | 1.94 | 5 | .. | 1.43 | 4 | .. |
| Milford Sound | 20 | 53.1 | 37.3 | 45.2 | +1.9 | 61.5 | 3 | 28.2 | 13 | 20.66 | 10 | +3.46 | 9.25 | 2 | .. |
| Waimate | 200 | 52.8 | 35.5 | 44.2 | -0.2 | 67.1 | 26 | 26.8 | 21 | 1.00 | 10 | -0.71 | 0.37 | 5 | 108 |
| Naseby Forest | 2,300 | 47.5 | 27.2 | 37.4 | .. | 64.8 | 3 | 14.9 | 14 | 1.02 | 10 | .. | 0.45 | 4 | .. |
| Queenstown | 1,100 | 49.1 | 33.6 | 41.4 | -0.2 | 61.0 | 26 | 24.2 | 13 | 2.16 | 9 | -0.06 | 1.06 | 4 | 107 |
| Cromwell | 720 | 52.1 | 31.6 | 41.8 | +0.9* | 69.0 | 3 | 20.0 | 14 | 0.96 | 5 | +0.11* | 0.72 | 4 | .. |
| Ophir | 1,000 | 50.7 | 28.9 | 39.7 | +0.1 | 68.8 | 3 | 14.3 | 22 | 1.27 | 6 | +0.49 | 0.86 | 4 | .. |
| Moa Creek | 1,400 | 49.6 | 28.7 | 39.2 | .. | 64.7 | 3 | 18.2 | 13 | 0.98 | 7 | .. | 0.64 | 4 | .. |
| Earnsclough | 500 | 52.5 | 28.6 | 40.6 | -0.1* | 70.5 | 3 | 16.8 | 13 | 0.78 | 5 | +0.13* | 0.43 | 4 | .. |
| Waipiata | 1,550 | 47.0 | 31.1 | 39.0 | -0.7 | 67.9 | 3 | 20.1 | 13 | 0.73 | 11 | -0.30 | 0.23 | 4 | 121 |
| Alexandra | 520 | 52.4 | 32.0 | 42.2 | +0.8 | 67.6 | 3 | 20.1 | 14 | 0.70 | 6 | +0.07 | 0.42 | 4 | 121 |
| Garston | 1,009 | 50.4 | 29.4 | 39.9 | .. | 65.9 | 2 | 17.1 | 13 | 1.75 | 10 | .. | 0.55 | 4 | .. |
| Roxburgh Hydro | 350 | 52.5 | 34.5 | 43.5 | .. | 67.0 | 3 | 21.1 | 21 | 1.12 | 9 | +1.15* | 0.42 | 9 | .. |
| West Arm, Lake Manapouri | 593 | 46.2 | 35.0 | 40.6 | .. | 54.0 | 2 | 27.8 | 15 | 12.11 | 16 | .. | 5.56 | 3 | .. |
| Mid Dome | 1,252 | 49.5 | 31.0 | 40.2 | .. | 64.2 | 2 | 19.0 | 13 | 2.86 | 12 | .. | 0.87 | 4 | .. |
| Cherry Farm, Waikouaiti | 21 | 50.6 | 34.2 | 42.4 | .. | 68.0 | 26 | 21.3 | 22 | 1.19 | 9 | .. | 0.35 | 10 | .. |
| Moa Flat, West Otago | 1,345 | 47.3 | 33.4 | 40.4 | .. | 60.4 | 2,3 | 24.9 | 12 | 1.48 | 9 | .. | 0.63 | 4 | .. |
| Taieri | 80 | 52.4 | 34.1 | 43.2 | -0.5* | 70.4 | 3 | 23.4 | 14 | 2.40 | 11 | +0.66* | 0.80 | 10 | 105 |
| Musselburgh, Dunedin | 5 | 50.9 | 39.8 | 45.4 | -0.3 | 63.0 | 3 | 30.1 | 12 | 3.28 | 13 | -1.20 | 1.52 | 10 | 107 |
| Tapanui | 550 | 50.2 | 34.8 | 42.5 | .. | 63.5 | 21 | 25.0 | 12 | 2.63 | 14 | .. | 0.59 | 4 | .. |
| East Gore | 245 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Gore | 240 | 51.5 | 33.2 | 42.4 | -0.6* | 64.0 | 25 | 24.0 | 14 | 2.29 | 12 | +0.22* | 0.49 | 3 | 117 |
| Otautau | 180 | 51.1 | 33.4 | 42.2 | -0.8* | 62.5 | 25 | 22.0 | 14 | 5.12 | 12 | +2.31* | 1.78 | 3 | 116 |
| Pebble Hills | 150 | 51.9 | 33.8 | 42.9 | .. | 62.0 | 2,30 | 24.0 | 14,21 | 2.70 | 12 | +0.08* | 0.72 | 3 | .. |
| Invercargill Airfield | 0 | 51.4 | 34.0 | 42.7 | -0.3 | 61.9 | 25 | 26.0 | 14 | 2.73 | 13 | -0.21 | 0.99 | 3 | 116 |

LATE RETURNS

| | | | | | | | | | | | | | | | |
|---------------------------------|-----|------|------|------|------|------|----|------|----|------|----|-------|------|----|----|
| Waikeria, Te Awamutu, July 1960 | 156 | 56.8 | 34.7 | 45.8 | .. | 63.0 | 23 | 23.0 | 13 | 4.59 | 15 | .. | 0.70 | 17 | .. |
| East Gore, July 1960 | 245 | 56.4 | 32.4 | 41.4 | +2.0 | 58.6 | 31 | 26.0 | 11 | 2.18 | 15 | +0.17 | 0.39 | 27 | .. |

NOTE—At stations where departures from normal have an asterisk, the temperature record has been maintained for less than 10 years, the rainfall record for less than 20 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 AUGUST 1960

General: The changeable weather of July continued until after the middle of August, but a spell of settled weather in the last 10 days was greatly appreciated, especially as it coincided with the school holidays. On the whole it was not as wet as usual; and the near normal temperatures seemed rather cool after the mildness of July in the South Island. Spring growth was beginning to appear, but in some areas it was a little slow in getting under way. Conditions were favourable for lambs in most districts.

At Campbells Bay, Auckland, a small local tornado wrecked several houses on the 14th.

Rainfall: Rainfall was about two-thirds of the average value over most of the country. In north Westland, Buller, Nelson and southern Marlborough, and also in Bay of Plenty it was only half.

Rainfall was a little above normal around Gisborne and Dunedin; also in Fiordland and in parts of Southland.

Flooding was reported in coastal districts west of Invercargill on the 4th following 24 hour falls of up to 2½ in. on the 3rd.

Temperatures: Temperatures were mainly close to or slightly below average. The first five days of the month were unusually warm.

Snow was reported in the North Island high country on the 6th and the 14th; and it fell to low levels in parts of Southland and Otago on the 10th and 11th.

Sunshine: Sunshine was above average over almost the whole of the North Island and in northern and western districts of the South Island. The surplus was mainly 15–20 hours, but it exceeded 30 hours from Manawatu through Taranaki to Hamilton.

It was cloudier than usual in Otago and South Canterbury, with sunshine totals 20–40 hours below normal.

Weather Sequence: At the beginning of the month anticyclones were centred to the north and east, and a depression formed over the Tasman Sea and moved rapidly towards Campbell Island. Northerly winds freshened, and the weather became unusually warm for August. At first rain was confined to western districts and the far south. However, another depression soon developed over