

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for July 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 | °C | mm | mm | mm | mm | Hrs | | |
| Herbert Forest .. | 61 | 10.4 | -0.1 | 5.1 | .. | 15.6 | 1 | -5.0 | 8 | 91 | 8 | +48 | 62 | 10 | .. |
| Palmerston .. | 21 | 10.0 | -0.6 | 4.7 | .. | 16.2 | 1 | -7.3 | 7 | 108 | 12 | .. | 84 | 10 | 106 |
| Cherry Farm, Waikouaiti .. | 6 | 8.2 | 0.9 | 4.6 | +0.1 | 16.2 | 1 | -3.6 | 8,9 | 101 | 15 | +58 | 68 | 10 | .. |
| Taiaroa Head .. | 76 | 8.8 | 4.3 | 6.6 | +0.1 | 13.8 | 20 | 2.2 | 7 | 74 | 15 | +16 | 37 | 10 | .. |
| Albert Town .. | 293 | 8.3 | -1.4 | 3.4 | .. | 14.6 | 20 | -6.4 | 7 | 86 | 10 | .. | 24 | 1 | .. |
| Taieri .. | 24 | 9.7 | 0.0 | 4.9 | +0.1 | 16.4 | 20 | -4.4 | 7 | 48 | 11 | 0 | 18 | 10 | .. |
| Berwick Forest .. | 18 | 9.3 | 3.8 | 6.6 | +2.0 | 16.2 | 20 | -4.6 | 7 | 74 | 13 | +23 | 41 | 10 | .. |
| Dunedin Airport .. | 1 | 9.6 | -0.2 | 4.7 | +0.1 | 15.9 | 20 | -5.0 | 8 | 46 | 15 | +3 | 21 | 10 | 98 |
| Musselburgh, Dunedin .. | 2 | 9.7 | 2.5 | 6.1 | -0.1 | 14.6 | 1 | -2.0 | 8 | 82 | 18 | +18 | 42 | 10 | 100 |
| Oamaru .. | 30 | 10.2 | 2.1 | 6.2 | +0.2 | 15.7 | 1 | -2.8 | 8 | 55 | 8 | +22 | 26 | 10 | 107 |
| West Arm, Lake Manapouri .. | 180 | 6.2 | 1.5 | 3.9 | +0.7 | 15.0 | 23 | -1.7 | 6 | 303 | 21 | +72 | 63 | 20 | .. |
| Queenstown .. | 329 | 7.6 | 0.7 | 4.2 | +0.7 | 13.5 | 20 | -2.6 | 6 | 87 | 15 | +31 | 19 | 1 | 67 |
| Queenstown Aerodrome .. | 352 | 7.5 | -0.9 | 3.3 | .. | 13.3 | 20 | -5.2 | 7 | 74 | 13 | .. | 15 | 7 | .. |
| Mid Dome .. | 387 | 8.4 | -2.1 | 3.1 | -0.1 | 15.7 | 20 | -4.9 | 6 | 59 | .. | -2 | 13 | 14 | .. |
| Cromwell .. | 213 | 8.1 | -1.2 | 3.4 | +0.8 | 15.3 | 20 | -6.8 | 7 | 27 | 13 | +4 | 7 | 21 | .. |
| Ophir .. | 305 | 7.6 | -2.9 | 2.3 | +1.1 | 14.9 | 20 | -9.0 | 6,7 | 21 | 11 | +1 | 11 | 21 | .. |
| Moa Creek .. | 427 | 7.2 | -3.0 | 2.1 | +1.7 | 12.8 | 20 | -9.3 | 6 | 21 | 7 | +3 | 10 | 21 | .. |
| Earnsclough .. | 152 | 8.3 | -2.2 | 3.0 | +0.8 | 15.9 | 20 | -8.5 | 6 | 23 | 3 | +5 | 5 | 21 | .. |
| Alexandra .. | 141 | 8.1 | -1.6 | 4.2 | +1.8 | 16.6 | 20 | -6.9 | 7 | 22 | 6 | +4 | 6 | 21 | 94 |
| Roxburgh (Power Station) .. | 110 | 8.9 | 0.6 | 4.8 | +0.6 | 15.7 | 20 | -4.5 | 16 | 18 | 10 | -10 | 5 | 10 | .. |
| Moa Flat .. | 410 | 6.8 | 0.0 | 3.4 | +0.5 | 12.4 | 20 | -3.5 | 8 | 47 | 14 | -1 | 8 | 16 | .. |
| Mahinerangi Dam .. | 396 | 6.9 | -0.8 | 3.0 | +0.3 | 12.9 | 27 | -5.4 | 7 | 47 | 12 | -19 | 13 | 10 | .. |
| Tapanui .. | 226 | 8.7 | 1.5 | 5.1 | +0.5 | 14.3 | 26 | -3.0 | 6 | 60 | 16 | -6 | 16 | 10 | .. |
| Rankleburn Forest .. | 255 | 7.8 | 8.9 | 4.4 | +0.6 | 12.5 | 20 | -5.6 | 6 | 56 | 16 | -5 | 16 | 10 | .. |
| Taieri Mouth .. | 15 | 9.5 | 1.5 | 5.5 | .. | 15.4 | 20 | -3.4 | 8 | 56 | 12 | -5 | 25 | 10 | .. |
| Otautau .. | 55 | 9.1 | 0.3 | 4.7 | +0.4 | 15.3 | 20 | -4.7 | 7 | 61 | 17 | -8 | 12 | 10 | 73 |
| Winton .. | 44 | 9.7 | 1.1 | 5.4 | +0.5 | 14.8 | 20 | -4.6 | 6 | 44 | 16 | .. | 7 | 10 | 80 |
| Gore, D.S.I.R. .. | 124 | 8.0 | 1.2 | 4.6 | .. | 11.7 | 26 | -3.8 | 7 | 47 | 19 | -6 | 6 | 16 | 88 |
| Hokonui Forest .. | 46 | 9.6 | 1.2 | 5.4 | +0.2 | 14.3 | 1 | -4.0 | 7 | 54 | 18 | -10 | 9 | 10 | .. |
| Woodlands .. | 47 | 9.1 | 1.3 | 5.2 | .. | 13.4 | 27 | -4.7 | 6 | 54 | 21 | .. | 8 | 16 | .. |
| Invercargill Aerodrome .. | 0 | 9.1 | 0.7 | 4.9 | -0.4 | 14.3 | 20 | -4.3 | 7 | 59 | 21 | -12 | 9 | 23 | 75 |
| Tiwai Point, Bluff .. | 5 | 9.5 | 2.5 | 6.0 | .. | 13.9 | 20 | -2.4 | 6 | 67 | 21 | .. | 12 | 16 | .. |
| Milton .. | 18 | 9.0 | -0.1 | 4.4 | -0.6 | 14.5 | 5 | -5.3 | 8 | 30 | 13 | -21 | 7 | 10 | .. |
| Finegand, Balclutha .. | 6 | 9.0 | 0.7 | 4.9 | -0.3 | 13.8 | 1 | -3.3 | 7 | 44 | 16 | .. | 11 | 10 | 91 |
| Nugget Point .. | 131 | .. | 3.1 | .. | .. | .. | .. | -0.4 | 8 | 56 | 21 | -10 | 11 | 14 | .. |
| Rarotonga Airport, Cook Is. .. | 5 | 25.1 | 18.4 | 21.7 | +0.1 | 27.7 | 8 | 13.4 | 9 | 28 | 16 | -84 | 10 | 23 | 142 |
| Raoul Island, Kermadec Is. .. | 38 | 18.8 | 13.5 | 16.2 | +0.2 | 20.8 | 13,21 | 11.0 | 2,8 | 231 | 22 | +61 | 57 | 11 | 159 |
| Waitangi, Chatham Islands .. | 48 | 10.0 | 4.3 | 7.2 | -0.3 | 12.8 | 22 | 1.0 | 17 | 93 | 25 | +2 | 12 | 14 | 57 |
| Campbell Island .. | 15 | 6.5 | 1.6 | 4.1 | -0.5 | 9.7 | 26 | -4.3 | 15 | 87 | 26 | -19 | 13 | 20 | 21 |
| Scott Base, Antarctica .. | 18 | .. | .. | -26.7 | +3.0 | -11.6 | 15 | -43.5 | 26 | .. | .. | .. | .. | .. | .. |

LATE RETURNS

| | | | | | | | | | | | | | | | |
|----------------------------|-------|------|------|------|------|------|-----|------|-------|-----|----|------|----|----|-----|
| Purukohukohu, June 1972 | 631 | 7.9 | 1.6 | 4.8 | .. | 11.5 | 1,2 | -1.3 | 19 | 88 | 16 | .. | 26 | 25 | .. |
| Kaitaia, April 1972 | 8 | 21.1 | 13.0 | 17.1 | .. | 24.7 | 9 | 8.0 | 29 | 136 | 18 | .. | 49 | 7 | .. |
| Kaitaia, May 1972 | 8 | 18.8 | 10.0 | 14.4 | .. | 21.0 | 14 | 3.1 | 27 | 73 | 18 | .. | 12 | 27 | .. |
| Kaitaia, June 1972 | 8 | 15.7 | 7.4 | 11.6 | .. | 18.8 | 3 | 3.1 | 29 | 90 | 20 | .. | 17 | 14 | .. |
| Tarawera Forest, June 1972 | 64 | 13.3 | -1.4 | 5.9 | -1.8 | 19.0 | 29 | -4.5 | 20 | 64 | 9 | -154 | 26 | 24 | .. |
| Whatawhata, May 1972 | 104 | 15.8 | 7.5 | 11.7 | +0.3 | 19.9 | 7 | 0.7 | 26 | 230 | 23 | +78 | 46 | 14 | 108 |
| Whatawhata, June 1972 | 104 | 12.5 | 4.2 | 8.4 | -0.6 | 15.7 | 3 | -2.5 | 29,30 | 157 | 17 | -16 | 49 | 24 | 137 |
| Makahu Spur, June 1972 | 1,479 | 1.3 | -3.3 | -1.0 | .. | 7.6 | 5 | -6.0 | 7,16 | .. | .. | .. | .. | .. | .. |
| Wairou, June 1972 | 20 | 12.8 | 3.3 | 8.1 | .. | 18.5 | 2 | -1.0 | 8,13 | 137 | 17 | .. | 41 | 25 | 130 |
| Ikawai, June 1972 | 70 | 10.1 | -0.4 | 6.5 | .. | 17.0 | 2 | -7.5 | 29 | 16 | 5 | .. | 7 | 12 | .. |

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 a day with rainfall equal to or greater than 0.1 mm.

NOTES ON THE WEATHER FOR JULY 1972

General—In contrast with the previous month, July was mild, and temperatures were warmer than in June by about 1°C, which is unusual. Some growth was still reported in the north, and stock were wintering fairly well. Lambing commenced in some districts under favourable conditions.

Rainfall—Rainfall was somewhat above normal over the greater part of the South Island, in Wellington and most of Manawatu, and west of the main ranges from Taihape to inland Bay of Plenty and Waikato, but not in Taranaki. It was somewhat below normal in eastern districts from North Canterbury to Gisborne, in Northland, and also in parts of Otago and Southland.

The wettest period was from the 9th to the 11th.

Temperatures—Temperatures were mainly above normal by 1°C but they were only about normal in coastal districts of Southland, Otago, and South Canterbury.

Sunshine—Sunshine was close to the normal value over the greater part of the South Island, in eastern districts of the North Island, and in Bay of Plenty and Taupo. Western districts of the North Island with Auckland and Northland and also Marlborough were favoured with 20-40 hours above normal. In Southland and Central and South Otago sunshine was mainly below normal by 20 hours.

Weather Sequence—On the first two days of July a depression passed close to Macquarie and Campbell Islands and another depression developed over the mid Tasman Sea, while troughs of low pressure crossed the country. Rain was fairly general except on the east coast from Dunedin to Napier. Some considerable falls were reported in Waikato and Bay of Plenty and on the West Coast. As the troughs moved away on the 3rd the weather improved but some rain was still reported in South Westland and Fiordland. During the 4th and 5th an anticyclone passed to the South of the South Island while a depression formed to the east of Northland and moved south-eastward. In the south-easterlies rain fell on the