

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of November, 1926. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

| Date. | Barometer reduced and corrected in Inches to Lat. 45°. | From Self-registering Instruments, for Twenty-four Hours previously. | | | | | Solar Radiation. | Terrestrial Radiation. | Veloc. Wind, in Miles. | Amount of Cloud, 0 to 10. | Direction of Wind. | Rainfall, in Points (100 to 1 Inch). |
|-------|--|--|----------------------|----------------------|-------|------|------------------|------------------------|------------------------|---------------------------|--------------------|--------------------------------------|
| | | Max. Temp. in Shade. | Min. Temp. in Shade. | Mean Temp. in Shade. | Fah. | Fah. | | | | | | |
| 1 | 29.974 | 61.0 | 46.8 | 53.9 | 113.1 | 38.0 | 408 | 0 | N.W. | .. | 25 | |
| 2 | 30.070 | 62.0 | 53.0 | 57.5 | 120.2 | 48.2 | 264 | 1 | N.W. | .. | 1 | |
| 3 | 29.768 | 63.1 | 50.9 | 57.0 | 124.2 | 49.7 | 301 | 10 | N.N.W. | .. | 79 | |
| 4 | 29.812 | 61.3 | 55.2 | 58.2 | 123.0 | 53.1 | 414 | 10 | N.W. | .. | .. | |
| 5 | 29.686 | 64.0 | 56.1 | 60.0 | 120.8 | 55.2 | 583 | 10 | N.W. | .. | 5 | |
| 6 | 29.797 | 59.8 | 54.0 | 56.9 | 125.0 | 49.2 | 407 | 3 | N.W. | .. | 59 | |
| 7 | 29.885 | 61.4 | 54.1 | 57.7 | 129.6 | 50.8 | 280 | 7 | N.N.E. | .. | .. | |
| 8 | 29.640 | 65.0 | 48.5 | 56.7 | 135.5 | 48.2 | 268 | 10 | S.S.E. | .. | .. | |
| 9 | 29.844 | 59.2 | 40.7 | 49.9 | 125.8 | 33.1 | 115 | 5 | N.W. | .. | .. | |
| 10 | 29.786 | 62.2 | 52.3 | 57.2 | 129.2 | 47.8 | 184 | 6 | N.W. | .. | .. | |
| 11 | 29.680 | 62.3 | 54.2 | 58.2 | 135.0 | 53.9 | 375 | 10 | N.N.W. | .. | .. | |
| 12 | 29.632 | 64.0 | 53.8 | 58.9 | 125.1 | 51.8 | 318 | 7 | N.W. | .. | .. | |
| 13 | 29.756 | 64.0 | 46.1 | 55.0 | 134.0 | 45.2 | 272 | 10 | S.S.E. | .. | .. | |
| 14 | 29.801 | 57.4 | 46.1 | 51.7 | 122.4 | 44.1 | 206 | 6 | S. | .. | .. | |
| 15 | 29.279 | 60.8 | 53.3 | 57.0 | 128.9 | 51.8 | 319 | 9 | N.W. | .. | .. | |
| 16 | 29.353 | 62.2 | 52.9 | 57.5 | 127.0 | 47.9 | 312 | 5 | N.W. | .. | .. | |
| 17 | 29.698 | 64.1 | 48.0 | 56.0 | 132.9 | 42.0 | 176 | 1 | N.W. | .. | .. | |
| 18 | 29.907 | 64.3 | 53.3 | 58.8 | 129.0 | 49.7 | 280 | 6 | N.W. | .. | .. | |
| 19 | 29.628 | 65.2 | 55.6 | 60.4 | 130.0 | 54.1 | 357 | 10 | N.N.W. | .. | .. | |
| 20 | 29.932 | 62.3 | 51.2 | 56.7 | 125.0 | 49.5 | 204 | 9 | S.S.E. | .. | .. | |
| 21 | 29.989 | 58.7 | 47.4 | 53.0 | 125.0 | 45.9 | 164 | 4 | S. | .. | .. | |
| 22 | 30.205 | 61.3 | 50.1 | 55.7 | 131.0 | 43.3 | 122 | 7 | N. | .. | .. | |
| 23 | 30.184 | 64.6 | 55.0 | 59.8 | 130.0 | 51.3 | 265 | 7 | N.N.W. | .. | .. | |
| 24 | 30.055 | 63.4 | 56.0 | 59.7 | 132.0 | 53.7 | 338 | 8 | N.W. | .. | .. | |
| 25 | 29.586 | 63.8 | 53.2 | 58.5 | 132.0 | 51.5 | 418 | 10 | N.W. | .. | .. | |
| 26 | 29.324 | 61.0 | 52.8 | 56.9 | 122.0 | 49.7 | 410 | 1 | N.W. | .. | .. | |
| 27 | 29.443 | 61.2 | 49.9 | 55.5 | 129.0 | 45.5 | 296 | 10 | S.S.W. | .. | .. | |
| 28 | 29.636 | 51.7 | 43.2 | 47.4 | 85.1 | 42.2 | 299 | 10 | S.S.W. | .. | .. | |
| 29 | 29.858 | 53.2 | 44.7 | 48.9 | 102.1 | 41.8 | 394 | 10 | S.S.W. | .. | .. | |
| 30 | 29.782 | 57.3 | 42.0 | 49.6 | 120.3 | 34.0 | 164 | 10 | N.E. | .. | .. | |
| 31 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| * | 29.766 | 61.4 | 50.7 | 56.0 | 124.8 | 47.4 | 297 | 7.1 | .. | .. | 483 | |
| † | 29.867 | 63.3 | 50.4 | 56.8 | 121.3 | 43.9 | 278 | 5.4 | .. | .. | 342 | |

* Means, &c. † Means previous years.

DIRECTION OF WIND.

| | N. | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | Calm. |
|---|----|------|----|------|----|------|----|------|-------|
| 6 | 1 | .. | .. | .. | 8 | .. | .. | 15 | .. |

NOTE.—A cloudy and wet month, with moderate to strong N.W. winds prevailing. Precipitation was 41 per cent. above the mean of previous years. Total bright sunshine, 200 hours 5 minutes—46 per cent. of the possible, and one sunless day. Hail fell on the 25th. Mean earth temperature at 1 ft. was 58.9°, and 59.2° at 3 ft. Mean dew-point, 47.8°; mean elastic force of vapour, 0.333 in.; and mean relative humidity, 74 per cent. of saturation.

CLIMATOLOGICAL TABLE
MEANS AND TOTALS FROM CHIEF STATIONS.
November, 1926.

| Ft. above Sea-level. | Name of Station and Observer. | Absolute Mean Temp. Air in Shade. | Extremes. | | Total Rainfall (100 Points to the Inch). | Days with Rain (1 Point or more). |
|----------------------|---|-----------------------------------|-----------------|-----------------|--|-----------------------------------|
| | | | Mean Max. Temp. | Mean Min. Temp. | | |
| NORTH ISLAND. | | | | | | |
| 152 | AUCKLAND .. | Deg 58.3 | Deg. 64.4 | Deg. 52.1 | Points. 754 | 24 |
| 131 | RUAKURA FARM, HAMILTON EAST A. Y. Montgomery | 56.7 | 67.4 | 46.0 | 592 | 23 |
| 211 | MATAMATA .. W. Halligan | 56.1 | 67.0 | 45.2 | 717 | 17 |
| 46 | TE AROHA .. C. E. Christensen | 58.6 | 68.3 | 48.9 | 687 | 19 |
| 340 | WAIHI .. C. F. Sims | 57.7 | 67.6 | 47.9 | 688 | 22 |
| 100 | TAURANGA .. C. J. Butcher | 57.4 | 66.8 | 48.0 | 573 | 20 |
| 925 | ROTORUA .. W. E. Penno | 54.9 | 63.9 | 45.9 | 740 | 20 |
| 60 | NEW PLYMOUTH G. H. Dolby | 54.7 | 61.5 | 48.0 | 689 | 21 |
| 2080 | TAHAEPE .. A. R. Fannin | 50.3 | 58.0 | 42.6 | 584 | 20 |
| 100 | PALMERSTON NORTH J. A. Colquhoun | 54.6 | 63.0 | 46.3 | 349 | 13 |
| 8 | TANGIMOANA .. T. E. Stringer | 54.9 | 63.9 | 46.0 | 374 | 19 |
| 119 | CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp | 55.6 | 61.9 | 49.4 | 338 | 21 |
| 5 | NAPIER .. Chas. L. Thomas | 59.2 | 67.3 | 51.2 | 137 | 13 |
| 377 | MASTERTON .. R. Brown | 55.1 | 65.8 | 44.5 | 319 | 13 |
| 186 | GREYTOWN .. W. Allan | 55.0 | 64.4 | 45.6 | 423 | 16 |
| 10 | WELLINGTON .. | 56.0 | 61.4 | 50.7 | 483 | 20 |
| SOUTH ISLAND. | | | | | | |
| 34 | NELSON .. H. Harrison | 54.8 | 63.6 | 46.0 | 374 | 17 |
| 1220 | HANMER SPRINGS W. Montgomery | 51.2 | 62.1 | 40.4 | 655 | 15 |
| 25 | CHRISTCHURCH .. H. F. Skey | 54.9 | 65.8 | 44.0 | 398 | 15 |
| 42 | LINCOLN .. M. J. Scott | 55.6 | 66.2 | 45.1 | 318 | 12 |
| 1220 | KISSELTON .. A. E. Young | 54.6 | 67.2 | 42.0 | 468 | 14 |
| 349 | RAKAIA .. Miss A. Hardy | 53.9 | 64.4 | 43.4 | 392 | 12 |
| 1000 | FAIRLIE .. A. J. Grant | .. | .. | .. | .. | .. |
| 2350 | LAKE TEKAPO .. R. R. BEAUCHAMP | 47.1 | 57.3 | 36.9 | 180 | 8 |
| 130 | TIMARU .. Cretaker of Domain | 54.0 | 65.1 | 43.0 | 247 | 13 |
| 200 | WAIMATE .. F. Akhurst | 52.4 | 63.1 | 41.8 | 334 | 14 |
| 1550 | SANATORIUM, WAIPIATA Dr. A. Kidd | 49.6 | 59.6 | 39.7 | 332 | 14 |
| 1000 | OPHIR .. Rev. A. Don | 51.6 | 61.7 | 41.5 | 141 | 12 |
| 300 | DUNEDIN .. D. Tannock | 52.6 | 60.7 | 44.5 | 404 | 19 |
| 245 | GORE .. A. T. Newman | .. | .. | .. | .. | .. |
| 12 | HOKITIKA .. J. A. Chesney | 52.3 | 59.9 | 44.7 | 1300 | 19 |
| 12 | INVERCARGILL .. L. Lennie | 52.3 | 60.5 | 44.1 | 332 | 23 |

SUMMARY FOR THE MONTH OF NOVEMBER, 1926.

On account of numerous intense westerly disturbances November proved a wet, windy, and cold month—rainfall being in excess of the average in all parts of the country except at a few places in Hawke's Bay and Otago.

The outstanding feature of the month was the severe floods in Westland in the beginning of the month. Through the exceptional rise in the Buller River, Westport experienced one of the worst floods in the history of that town. The heavy rains at the end of the previous month had soaked the land and swollen the streams, while much snow had also fallen in the mountains. On the 3rd November an extensive westerly disturbance brought further heavy rain, and this combined with the melting of the snow accounted for record floods. About the same time the Waimakiriri River, in Canterbury, rose to an abnormal height, and inundated much of the surrounding country.

During the month thunderstorms were rather frequent, and one in Hawke's Bay on the 12th did considerable damage to orchards.

Several light frosts occurred, particularly in the South Island, and the cold southerly which brought snow to the uplands on the 27th and 28th caused loss in newly-shorn sheep. Shearing and haymaking were greatly retarded, and growth in vegetation was backward for the time of the year in most parts of the Dominion.

Anticyclonic conditions ruled between the 20th and 24th, and this was the longest period of generally fair weather experienced during the month.

D. C. BATES, Director.