

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of May, 1922. 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     | 30.400   | 61.8   | 47.8                 | 54.8                 | 109.0 | 39.5 | 234              | 10                     | S.E.                   | ..                        |                    |                                     |
| 2     | 30.169   | 59.5   | 37.5                 | 48.5                 | 98.5  | 25.0 | 104              | 4                      | S.E.                   | ..                        |                    |                                     |
| 3     | 30.090   | 62.3   | 38.8                 | 50.5                 | 109.8 | 26.0 | 41               | 10                     | S.E.                   | Trace                     |                    |                                     |
| 4     | 29.896   | 60.0   | 38.8                 | 49.4                 | 99.0  | 27.0 | 141              | 0                      | N.E.                   | ..                        |                    |                                     |
| 5     | 29.823   | 60.2   | 52.8                 | 56.5                 | 114.0 | 45.0 | 297              | 10                     | N.W.                   | 1                         |                    |                                     |
| 6     | 29.860   | 63.2   | 58.2                 | 60.7                 | 106.0 | 56.0 | 362              | 9                      | N.W.                   | 5                         |                    |                                     |
| 7     | 29.794   | 63.2   | 57.5                 | 60.3                 | 110.0 | 52.8 | 358              | 10                     | N.W.                   | 20                        |                    |                                     |
| 8     | 29.534   | 61.2   | 56.0                 | 58.6                 | 101.8 | 54.0 | 480              | 9                      | N.W.                   | 5                         |                    |                                     |
| 9     | 29.818   | 61.3   | 42.5                 | 51.9                 | 110.0 | 30.2 | 209              | 0                      | N.                     | ..                        |                    |                                     |
| 10    | 29.928   | 60.0   | 44.4                 | 52.2                 | 109.0 | 33.7 | 145              | 9                      | N.W.                   | ..                        |                    |                                     |
| 11    | 30.007   | 59.7   | 42.7                 | 51.2                 | 99.0  | 31.3 | 123              | 1                      | N.                     | ..                        |                    |                                     |
| 12    | 30.227   | 64.1   | 55.9                 | 60.0                 | 110.0 | 51.3 | 265              | 3                      | N.N.W.                 | ..                        |                    |                                     |
| 13    | 30.426   | 65.6   | 41.9                 | 53.7                 | 112.0 | 30.5 | 58               | 5                      | Calm                   | ..                        |                    |                                     |
| 14    | 30.313   | 64.0   | 42.0                 | 53.0                 | 109.0 | 31.2 | 22               | 0                      | N.                     | ..                        |                    |                                     |
| 15    | 30.206   | 62.0   | 46.2                 | 54.1                 | 99.0  | 34.3 | 21               | 10                     | Calm                   | 55                        |                    |                                     |
| 16    | 29.936   | 57.7   | 51.3                 | 54.5                 | 67.0  | 50.4 | 13               | 10                     | S.E.                   | 8                         |                    |                                     |
| 17    | 29.747   | 60.7   | 52.9                 | 56.8                 | 89.0  | 43.3 | 84               | 10                     | N.                     | 7                         |                    |                                     |
| 18    | 29.801   | 63.2   | 52.6                 | 57.9                 | 111.0 | 51.8 | 89               | 10                     | S.E.                   | 6                         |                    |                                     |
| 19    | 30.020   | 55.8   | 47.9                 | 51.8                 | 71.0  | 41.8 | 207              | 10                     | Calm                   | ..                        |                    |                                     |
| 20    | 30.398   | 59.0   | 43.2                 | 51.1                 | 106.0 | 30.8 | 49               | 9                      | N.                     | ..                        |                    |                                     |
| 21    | 30.396   | 60.5   | 40.5                 | 50.5                 | 116.0 | 30.1 | 80               | 0                      | N.E.                   | ..                        |                    |                                     |
| 22    | 30.417   | 61.6   | 47.0                 | 54.3                 | 106.0 | 33.2 | 52               | 4                      | E.                     | ..                        |                    |                                     |
| 23    | 30.417   | 58.9   | 47.9                 | 53.4                 | 95.0  | 39.6 | 122              | 10                     | S.                     | ..                        |                    |                                     |
| 24    | 30.304   | 54.1   | 37.2                 | 45.6                 | 80.0  | 25.4 | 81               | 1                      | Calm                   | ..                        |                    |                                     |
| 25    | 29.900   | 58.4   | 35.5                 | 46.9                 | 97.0  | 23.2 | 64               | 2                      | Calm                   | 3                         |                    |                                     |
| 26    | 29.976   | 57.2   | 45.7                 | 51.4                 | 105.0 | 40.5 | 397              | 10                     | S.                     | 2                         |                    |                                     |
| 27    | 29.890   | 51.4   | 45.4                 | 48.4                 | 103.0 | 39.2 | 371              | 9                      | S.                     | 9                         |                    |                                     |
| 28    | 30.280   | 50.0   | 44.0                 | 47.0                 | 77.0  | 40.8 | 450              | 9                      | S.                     | ..                        |                    |                                     |
| 29    | 30.367   | 59.4   | 49.7                 | 50.0                 | 100.0 | 29.8 | 55               | 6                      | S.                     | ..                        |                    |                                     |
| 30    | 30.541   | 57.0   | 34.3                 | 45.6                 | 107.0 | 22.9 | 90               | 3                      | Calm                   | ..                        |                    |                                     |
| 31    | 30.284   | 57.5   | 31.9                 | 44.7                 | 97.0  | 19.8 | 38               | 4                      | N.E.                   | 2                         |                    |                                     |
| *     | 30.102   | 59.7   | 45.2                 | 52.4                 | 100.7 | 36.5 | 164.6            | 6.4                    | ..                     | 123                       |                    |                                     |
| †     | 29.971   | 58.3   | 47.3                 | 52.8                 | 95.2  | 39.9 | 218.0            | 5.7                    | ..                     | 473                       |                    |                                     |

\* Means, &c.

† Means previous years.

DIRECTION OF WIND.

| N. | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | Calm. |
|----|------|----|------|----|------|----|------|-------|
| 6  | 3    | 1  | 5    | 5  | ..   | .. | 5    | 6     |

NOTE.--The weather during the month was cloudy and showery, with precipitation 74 per cent. below the mean of previous years. Total bright sunshine 122 hours 17 minutes, 40 per cent. of the possible, and six sunless days. Fog was reported on the 31st. Mean earth-temperature at 1 ft. was 52.2°, and 56.1° at 3 ft. Mean dew-point, 45.7°; mean elastic force of vapour, 0.307 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

May, 1922.

| Altitude above Sea-level. | Name of Station and Observer.                       | Extremes.                         |                 |                 | Total Rainfall (100 Points to the Inch). | Days with Rain (½ Point or more). |
|---------------------------|---|-----------------------------------|-----------------|-----------------|--|-----------------------------------|
|                           |   | Absolute Mean Temp. Air in Shade. | Mean Max. Temp. | Mean Min. Temp. |  |                                   |
| Ft.                       | NORTH ISLAND.                                       | Deg.                              | Deg.            | Deg.            | Points.                                  | Dys.                              |
| 125                       | AUCKLAND<br>F. A. F. Burnett                        | 57.5                              | 62.5            | 53.5            | 400                                      | 21                                |
| 131                       | RUAKURA FARM,<br>HAMILTON EAST<br>W. B. Monro       | 53.3                              | 63.9            | 42.8            | 159                                      | 9                                 |
| 46                        | TE AROHA ..<br>G. F. McGirr                         | 54.9                              | 64.5            | 45.4            | 327                                      | 12                                |
| 340                       | WAIHI ..<br>C. F. Sims                              | 54.0                              | 61.8            | 46.3            | 774                                      | 14                                |
| 100                       | TAURANGA ..<br>C. J. Butcher                        | 54.7                              | 64.1            | 45.4            | 208                                      | 10                                |
| 925                       | ROTORUA ..<br>W. E. Penno                           | 53.5                              | 62.5            | 44.5            | 471                                      | 10                                |
| ..                        | NEW PLYMOUTH<br>G. H. Dolby                         | 54.2                              | 61.0            | 47.5            | 384                                      | 12                                |
| 250                       | MOUMAHAKI ..<br>J. G. McFarlane                     | 47.1                              | 52.1            | 42.2            | 293                                      | 14                                |
| 2080                      | TAIHAPE ..<br>A. R. Fannin                          | 46.8                              | 51.1            | 42.6            | 186                                      | 16                                |
| 100                       | PALMERSTON NORTH ..<br>J. A. Colquhoun              | 51.9                              | 60.4            | 43.4            | 166                                      | 8                                 |
| 119                       | CENTRAL DEVELOPMENT<br>FARM, WERAROA<br>J. Beverley | 50.3                              | 58.8            | 41.8            | 339                                      | 11                                |
| 70                        | GREENMEADOWS, NA-<br>PIER                           | 53.9                              | 61.1            | 46.7            | 568                                      | 12                                |
| 377                       | MASTERTON ..<br>R. Brown                            | 50.4                              | 59.9            | 40.9            | 112                                      | 14                                |
| 186                       | GREYTOWN ..<br>J. P. Eccleton                       | 50.9                              | 60.4            | 41.5            | 136                                      | 12                                |
| ..                        | MILITARY HOSPITAL,<br>TRENTHAM<br>Miss E. Hooper    | 49.9                              | 59.2            | 40.6            | 165                                      | 11                                |
| 10                        | WELLINGTON ..<br>L. Lennie                          | 52.4                              | 59.7            | 45.2            | 123                                      | 12                                |
| ..                        | SOUTH ISLAND.                                       |                                   |                 |                 |  |                                   |
| ..                        | BRIGHTWATER ..<br>Ven. Archdeacon<br>Kempthorne     | 51.8                              | 61.0            | 42.6            | 359                                      | 8                                 |
| 34                        | NELSON ..<br>Wm. C. Davies                          | 52.0                              | 59.8            | 44.2            | 349                                      | 12                                |
| 1220                      | HANMER SPRINGS ..<br>W. G. Morrison                 | 46.0                              | 56.8            | 35.3            | 178                                      | 8                                 |
| 25                        | CHRISTCHURCH ..<br>H. F. Skey                       | 47.1                              | 55.2            | 39.1            | 99                                       | 9                                 |
| 42                        | LINCOLN ..<br>M. J. Scott                           | 47.9                              | 57.4            | 38.4            | 96                                       | 6                                 |
| 1220                      | KISSELTON ..<br>A. R. Blackwood                     | 45.9                              | 56.0            | 35.9            | 131                                      | 5                                 |
| ..                        | RAKAI ..<br>Miss A. Hardy                           | 46.5                              | 55.2            | 37.8            | 115                                      | 7                                 |
| 130                       | TIMARU ..<br>Caretaker of Domain                    | 47.5                              | 55.0            | 40.1            | 65                                       | 6                                 |
| 200                       | WAIMATE ..<br>F. Akhurst                            | 47.3                              | 55.6            | 39.1            | 59                                       | 12                                |
| 300                       | DUNEDIN ..<br>D. Tannock                            | 48.7                              | 54.5            | 42.9            | 181                                      | 12                                |
| 245                       | GORE ..<br>A. T. Newman                             | 45.7                              | 54.1            | 37.4            | 141                                      | 13                                |
| 12                        | HOKITIKA ..<br>J. A. Chesney                        | 50.4                              | 57.1            | 43.8            | 502                                      | 16                                |
| 12                        | INVERCARGILL ..<br>L. Lennie                        | 46.9                              | 53.8            | 40.0            | 187                                      | 21                                |

SUMMARY FOR THE MONTH OF MAY, 1922.

The month was a dry one generally, and the total rainfall was below normal over most of the Dominion, only a few scattered places in the northern and east coast districts of the North Island and in the northern portion of the South Island recording falls over the average.

From the 1st to the 10th a westerly disturbance brought squally westerly winds and rain, mostly to districts with a westerly aspect.

Dull and misty conditions prevailed from the 15th to the 18th, while a shallow depression moved from the north-west over the country.

Between the 24th and 27th an intense cyclone, passing in the North, accounted for some heavy downpours in the northern and east coast districts of the North Island, and very cold weather generally.

On the last day of the month strong easterly winds, with threatening conditions, prevailed in the far North, owing to the presence of a depression to the north-west of the Dominion.

Fine, mild days and cold nights were frequent during the month, particularly in the South Island, and, except in the far North, the average wind-force was lower than usual.

D. C. BATES, Director.