

until the 27th. Rain fell at times in nearly all districts, and between the 21st and 26th Canterbury received some heavy downpours with cold easterly to southerly winds. By the 28th the last of the series of cyclones had passed eastwards, and a westerly type of pressure prevailed from then until the close of the month. Rather widespread rain fell on the 29th, but on the 28th and the last two days the weather was generally fair.

Associated with a rather intense cyclone which moved across New Zealand on the 24th and 25th, there were thunderstorms in various parts of the northern and central areas of the North Island. A particularly sudden and heavy downpour of rain occurred in the Woodville district between 1 and 2 p.m. on the 25th. Also, between Warkworth and Mahurangi Heads on the morning of the same day, a tornado was experienced which unroofed buildings and uprooted trees in the district.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
October, 1932.

| Altitude above Sea-level. | Name of Station and Observer. | Mean Temp. Air in Shade. | Extremes. | | Total Rainfall (100 Points to the Inch). | Days with Rain (½ Point or more). | Altitude above Sea-level. | Name of Station and Observer. | Mean Temp. Air in Shade. | Extremes. | | Total Rainfall (100 Points to the Inch). | Days with Rain (½ Point or more). |
|---------------------------|--|--------------------------|-----------------|-----------------|--|-----------------------------------|---------------------------|--|--------------------------|-----------------|-----------------|--|-----------------------------------|
| | | | Mean Max. Temp. | Mean Min. Temp. | | | | | | Mean Max. Temp. | Mean Min. Temp. | | |
| Ft. | NORTH ISLAND. | Deg. | Deg. | Deg. | Points | | Ft. | SOUTH ISLAND. | Deg. | Deg. | Deg. | Points. | |
| 200 | TE PAKI, TE HAPUA .. B. H. Morrison | 57.8 | 64.5 | 51.1 | 261 | 9 | 34 | NELSON .. O. B. Pemberton | 55.8 | 63.0 | 48.7 | 460 | 15 |
| 225 | WAIPOUA, DONNELLY'S CROSSING A. C. Forbes | 56.0 | 64.4 | 47.6 | 296 | 18 | 57 | APPLEBY, NELSON .. W. J. Biggar | 55.9 | 63.0 | 48.9 | 322 | 15 |
| 65 | RIVERHEAD .. W. J. McKibbin | 56.8 | 65.3 | 48.2 | 437 | 18 | .. | BLLENHEIM .. P. J. Galliers | 55.8 | 65.2 | 46.4 | 338 | 14 |
| 160 | AUCKLAND .. S. M. Yallop | 59.4 | 65.0 | 53.9 | 333 | 17 | 860 | WAIHOPAI, BLENHEIM .. J. Stanwell | 54.4 | 63.5 | 45.4 | 412 | 18 |
| 340 | WAIHI .. M. F. Haszard | 56.8 | 64.9 | 48.7 | 926 | 15 | 800 | GOLDEN DOWNS, NELSON Forest Ranger | 53.1 | 61.5 | 44.7 | 445 | 15 |
| 46 | TE AROHA .. C. E. Christensen | 59.2 | 68.3 | 50.1 | 346 | 16 | 1220 | HANMER SPRINGS .. H. Roche | 51.9 | 62.4 | 41.3 | 551 | 9 |
| 100 | TAUBANGA .. Miss K. Butcher | 57.3 | 65.2 | 49.4 | 378 | 14 | 743 | BALMORAL, CULVERDEN .. J. E. Fletcher | 53.1 | 63.7 | 42.5 | 405 | 11 |
| 131 | R U A K U R A F A R M , HAMILTON EAST G. K. McPherson | 56.2 | 67.3 | 45.1 | 264 | 15 | 12 | HOKITIKA .. J. A. Chesney | 54.4 | 60.5 | 48.3 | 1365 | 19 |
| 230 | CAMBRIDGE .. H. McArthur | 57.2 | 67.1 | 47.3 | 252 | 14 | 1220 | LAKE COLERIDGE .. H. E. M. Hart | 52.5 | 62.1 | 42.9 | 370 | 13 |
| 925 | ROTORUA .. W. E. Penno | 55.6 | 63.5 | 47.7 | 657 | 17 | 1200 | "RUDSTONE," METHVEN James Carr | 51.6 | 59.2 | 44.1 | 538 | 15 |
| 1000 | ROTORUA NURSEBY, WHA- KAREWAREWA W. T. Morrison | 54.4 | 63.6 | 45.2 | 576 | 17 | 25 | CHRISTCHURCH .. H. F. Skey | 52.6 | 59.5 | 45.7 | 496 | 12 |
| 617 | ONGARUE .. D. J. Gardiner | 55.0 | 65.1 | 45.0 | 420 | 20 | 42 | LINCOLN .. E. W. Hullett | 52.8 | 60.5 | 45.2 | 484 | 10 |
| 60 | NEW PLYMOUTH .. G. H. Dolby | 57.1 | 63.2 | 51.0 | 608 | 15 | 2510 | THE HERMITAGE, MOUNT COOK C. Elms | 49.2 | 58.5 | 40.0 | 1160 | 14 |
| 3670 | CHATEAU TONGARIRO, NATIONAL PARK L. H. Young | 44.5 | 50.9 | 38.2 | 1384 | 21 | 323 | ASHBURTON .. H. P. Clayton | 51.6 | 60.2 | 43.0 | 383 | 11 |
| 2125 | KARIOI .. L. H. Bailey | 50.2 | 60.9 | 39.5 | 323 | 17 | 2350 | LAKE TEKAPO .. Miss D. C. Trott | 49.8 | 57.7 | 41.8 | 152 | 5 |
| 5 | NAPIER .. T. R. Hutton | 58.1 | 65.7 | 50.6 | 41 | 7 | 1000 | FAIRLIE .. C. Searle | 51.5 | 61.8 | 41.2 | 427 | 13 |
| 45 | HASTINGS .. H. N. Fowler | 56.6 | 67.3 | 46.0 | 41 | 8 | 56 | TIMARU .. A. W. Anderson | 51.7 | 59.3 | 44.1 | 324 | 10 |
| 2080 | TAIHAPÉ .. A. R. Fannin | 52.4 | 60.3 | 44.5 | 193 | 14 | 200 | WAIMATE .. F. Akhurst | 50.8 | 59.3 | 42.3 | 285 | 12 |
| 8 | TANGIMOANA .. G. W. Braddell | 56.5 | 64.8 | 48.2 | 257 | 14 | 1110 | QUEENSTOWN .. F. W. Bailey | 52.0 | 61.0 | 43.0 | 146 | 9 |
| 100 | PALMERSTON NORTH .. E. J. Werry | 57.3 | 64.8 | 49.8 | 338 | 17 | 1000 | OPHIR .. Rev. A. Don | 52.0 | 63.5 | 40.5 | 228 | 7 |
| .. | MASSEY AGR. COL., PAL- MERSTON NORTH Meteorological Observer | 56.8 | 64.2 | 49.4 | 378 | 18 | 1550 | SANATORIUM, WAIPIATA Dr. A. Kidd | 50.7 | 61.0 | 40.4 | 174 | 7 |
| 384 | MANGAMUTU, PAHIATUA .. A. W. Hamilton | .. | .. | .. | .. | .. | 520 | ALEXANDRA .. Geo. Smith | 53.4 | 64.5 | 42.3 | 96 | 7 |
| 44 | KAPITI ISLAND .. A. S. Wilkinson | 55.6 | 61.3 | 49.9 | 389 | 14 | 2448 | MANORBURN DAM .. S. Wragge | 46.4 | 56.2 | 36.6 | 144 | 6 |
| 377 | MASTERTON .. Miss R. Robinson | 55.2 | 65.6 | 44.8 | 244 | 10 | 240 | DUNEDIN .. D. Tannock | 51.8 | 60.1 | 43.5 | 197 | 10 |
| 415 | WELLINGTON .. | 54.1 | 59.9 | 48.2 | 387 | 14 | 245 | GORE .. A. T. Newman | 51.2 | 61.9 | 40.6 | 168 | 14 |
| | | | | | | | 12 | INVERCARGILL .. L. Lennie | 51.6 | 60.4 | 42.8 | 153 | 11 |

LATE RETURN.

| | | | | | | |
|-----|---|------|------|------|-----|----|
| 384 | MANGAMUTU, PAHIATUA— September, 1932 | 49.6 | 58.0 | 41.2 | 190 | 14 |
|-----|---|------|------|------|-----|----|

ERRATA.

| | | | | | | |
|------|--------------------------|------|------|----|----|----|
| 1000 | FAIRLIE— August, 1932 | 39.1 | 52.1 | .. | .. | .. |
| | September, 1932 | 46.6 | 57.4 | .. | .. | .. |