

## (c.) WEATHER, TEMPERATURE, OBSERVATIONS, ETC., MADE DURING THE CRUISE OF THE "NORA NIVEN."

| Date.   | Time.   | Locality.                                 | Temperature,<br>Water<br>(Surface). | Temperature,<br>Water<br>(Bottom). | Temperature<br>(Air). | Barometer.  | Wind.         |           | Weather-conditions.    | Sea.                        |
|---------|---------|-------------------------------------------|-------------------------------------|------------------------------------|-----------------------|-------------|---------------|-----------|------------------------|-----------------------------|
|         |         |                                           |                                     |                                    |                       |             | Direction.    | Force.    |                        |                             |
| 1907.   |         |                                           |                                     |                                    |                       |             |               |           |                        |                             |
| Sept. 9 | Noon    | Wellington Harbour                        | Deg. Fahr.<br>51                    | Deg. Fahr.<br>51                   | Deg. Fahr.<br>54      | In<br>29.50 | E.            | Light ..  | Cloudy                 | Slight N. swell.            |
| " 10    | "       | Cook Strait, off Stephens Island          | 51                                  | 50                                 | 56                    | 29.60       | W.            | "         | "                      | Calm.                       |
| " 11    | "       | Tasman Bay                                | 52                                  | 50                                 | 52                    | 29.30       | S.E.          | Moderate  | Cold rain              | N. swell.                   |
| " 12    | "       | "                                         | 51                                  | 51                                 | 50                    | 29.40       | "             | Light ..  | Cold rain-showers      | Calm.                       |
| " 13    | "       | "                                         | 52                                  | 51                                 | 58                    | 29.70       | Calm          | "         | Fine ..                | "                           |
| " 14    | "       | Current Basin, French Pass                | 51                                  | 51                                 | 56                    | 29.70       | "             | "         | "                      | "                           |
| " 17    | "       | Cook Strait                               | 51                                  | 51                                 | 54                    | 29.80       | "             | "         | "                      | "                           |
| " 18    | "       | Karamea Bight                             | 53                                  | 52                                 | 55                    | 29.80       | "             | "         | "                      | "                           |
| " 19    | "       | "                                         | 52                                  | 51                                 | 53                    | 29.70       | N.W.          | Strong    | Rain ..                | Swell.                      |
| " 20    | "       | Off Westport                              | 52                                  | 51                                 | 52                    | 29.75       | S.W.          | "         | Showers                | Heavy swell.                |
| " 21    | "       | Off Greymouth                             | 53                                  | 51                                 | 54                    | 29.80       | "             | "         | Fine ..                | "                           |
| " 22    | "       | "                                         | 52                                  | 51                                 | 55                    | 29.60       | Calm          | "         | "                      | "                           |
| " 23    | "       | Off Westport                              | 53                                  | 52                                 | 56                    | 29.80       | "             | "         | "                      | "                           |
| " 24    | "       | "                                         | 52                                  | 51                                 | 55                    | 29.50       | N.E.          | Moderate  | Heavy rain; very thick | Moderate.                   |
| " 25    | "       | Off Farewell Spit                         | 52                                  | 51                                 | 54                    | 29.10       | N.W.          | Full gale | Rain very thick        | Heavy sea.                  |
| " 26    | "       | Tasman Bay                                | 52                                  | 51½                                | 55                    | 29          | "             | Gale ..   | Rain-showers           | "                           |
| " 27    | "       | "                                         | 52                                  | 52                                 | 54                    | 29.40       | "             | "         | "                      | "                           |
| " 28    | "       | "                                         | 53                                  | 52                                 | 56                    | 29.30       | "             | Moderate  | Fine ..                | Heavy outside, calm in bay. |
| " 29    | "       | "                                         | 52                                  | 51                                 | 56                    | 29.10       | "             | "         | Showers                | Heavy outside.              |
| " 30    | "       | Golden Bay                                | 53                                  | 52                                 | 55                    | 29.10       | "             | Strong    | Fine ..                | "                           |
| Oct. 1  | "       | "                                         | 52                                  | 51                                 | 57                    | 29.50       | Calm          | "         | "                      | Calm.                       |
| " 2     | "       | Tasman Bay (Awaroa)                       | 52                                  | 51                                 | 54                    | 29.20       | N.W.          | Gale ..   | Heavy showers          | Rough.                      |
| " 3     | "       | Off Farewell Spit                         | 52                                  | 51½                                | 56                    | 29.30       | "             | Light ..  | Cloudy                 | Heavy swell.                |
| " 17    | "       | Hauraki Gulf                              | 58                                  | 54                                 | 60                    | 29.85       | " E.          | "         | Clear ..               | Calm.                       |
| " 18    | "       | "                                         | 56                                  | 55                                 | 56                    | 29.90       | N.N.E.        | "         | Cloudy                 | Moderate.                   |
| " 21    | "       | Little Barrier                            | 58                                  | 57.5                               | 58                    | 29.80       | N.N.W.        | "         | "                      | "                           |
| " 22    | "       | Great Exhibition Bay                      | 57                                  | 56                                 | 57                    | 29.75       | N.E.          | "         | Clear ..               | Calm.                       |
| " 23    | "       | "                                         | 57                                  | 56                                 | 57                    | 29.70       | N.W. to S.W.  | Strong    | Rain-squalls           | Lumpy.                      |
| " 24    | "       | Off Doubtless Bay                         | 56                                  | 55                                 | 68                    | 29.70       | "             | "         | "                      | Moderate.                   |
| " 25    | "       | Off Whanganumu                            | 55                                  | 56                                 | 64                    | 29.60       | "             | Moderate  | Fine ..                | Moderate swell.             |
| " 26    | 11 a.m. | Auckland Harbour                          | 57                                  | 59                                 | 62                    | 29.50       | "             | Strong    | Cold rain-showers      | Moderate.                   |
| Nov. 1  | Noon    | West Coast, from Cape Maria               | 59                                  | 61                                 | 63                    | 29.70       | E.N.E.        | Moderate  | Fine and cloudy        | Heavy swell.                |
| " 2     | "       | Reef Point, Ahipara Bay                   | 59                                  | 60                                 | 68                    | 29.60       | S.            | Strong    | Cold rain-showers      | "                           |
| " 3     | "       | Mangonui Bluff, S. Hokitanga              | 50                                  | 54                                 | 64                    | 29.60       | S.S.E.        | "         | "                      | "                           |
| " 4     | "       | Off Kaipara Heads                         | 58                                  | 60                                 | 63                    | 29.30       | E.            | Moderate  | Fine ..                | Moderate.                   |
| " 5     | "       | Off Otaia Island, N. of Manukau           | 59                                  | 60                                 | 66                    | 29.90       | "             | Strong    | "                      | Smooth.                     |
| " 6     | "       | 18 miles S.W. of Manukau Light            | 60                                  | 62                                 | 62                    | 29.30       | N.E.          | Moderate  | "                      | "                           |
| " 7     | 10.30   | South Manukau Heads                       | 59                                  | 60                                 | 60                    | 29.50       | " N.E.        | Light ..  | "                      | "                           |
| " 14    | "       | 19 miles S.E. of Manukau Light            | 62                                  | 63                                 | 60                    | 29.50       | " S.W.        | Moderate  | "                      | Heavy swell.                |
| " 15    | "       | 8 miles W. of Woody Head                  | 59                                  | 60                                 | 59                    | 29.80       | "             | "         | "                      | Moderate.                   |
| " 16    | "       | 9 miles E.N.E. S. entrance Kawhia Harbour | 61                                  | 65                                 | 59                    | 29.60       | S.W. & W.S.W. | Light     | "                      | Smooth.                     |