

1921 April & May.  
EARTHQUAKE REPORTS, NEW ZEALAND.  
The Observatory Apia, Samoa.



| Date               | Char-acter. | Phase            | G.C.M.T. | Period | A <sub>II</sub> | A <sub>I</sub> | A <sub>V</sub>                                                                                                                                                           | Remarks.                          |
|--------------------|-------------|------------------|----------|--------|-----------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
|                    |             |                  | h m s    |        | μ               | μ              | μ                                                                                                                                                                        |                                   |
| 1921<br>April<br>1 | llr         | P                | 12 5 46  | 4      | 18              | 10             | 20                                                                                                                                                                       |                                   |
|                    |             | S (?)            | 12 10.6  | 10     | 38              | 10             | 20                                                                                                                                                                       |                                   |
|                    |             | L                | 12 12.0  | 18     | 210             | 48             | 170                                                                                                                                                                      |                                   |
|                    |             | MI               | 12 13.0  | 14     |                 | 65             |                                                                                                                                                                          |                                   |
|                    |             | F                | 12 25    |        |                 |                |                                                                                                                                                                          |                                   |
| 4                  | lv          | L                | 10 54.7  | 12     | 20              | 50             |                                                                                                                                                                          | No short waves found.             |
|                    |             |                  | 56.5     | 8      | 60              | 60             |                                                                                                                                                                          |                                   |
| 22                 | llr         |                  | 6 25 59  | 1      |                 |                |                                                                                                                                                                          |                                   |
|                    |             |                  | 29 56    | 14     | 20              |                |                                                                                                                                                                          | Nothing here.                     |
|                    |             | ME               | 6 35.3   | 12     | 40              |                |                                                                                                                                                                          |                                   |
|                    |             | MI               | 6 36.0   | 12     |                 | 30             |                                                                                                                                                                          |                                   |
|                    |             | F                | 8        |        |                 |                |                                                                                                                                                                          |                                   |
| 25                 | llv         | Pe               | 17 36.2  | 1      |                 |                |                                                                                                                                                                          | Time approximate                  |
|                    |             | L                | 17 39 38 | 20     | 250             |                | 170                                                                                                                                                                      | begins in minute                  |
|                    |             | ME               |          |        |                 |                |                                                                                                                                                                          | gap.                              |
|                    |             | MI               | 17 40.5  |        |                 | 97             | 50                                                                                                                                                                       |                                   |
|                    |             | F                | 18 5     |        |                 |                |                                                                                                                                                                          | Or later.                         |
| MAY<br>3           | llu         | P1               | 10 43 10 | < 1    | 78              | 52             |                                                                                                                                                                          | Felt locally                      |
|                    |             | PM <sup>ml</sup> | 10 43 16 |        | 80              | 95             | 160                                                                                                                                                                      | = 3 Rossi Forel                   |
|                    |             | LM               | 10 43 28 | 2.5    |                 | 490            | 320                                                                                                                                                                      | Δ=1.5 degrees,<br>Azimuth 56 S.W. |
| 4                  | llu         | P1               | 21 13 59 | < 1    | 14              | 27             | 20                                                                                                                                                                       | Δ=3.2 degrees                     |
|                    |             | PM <sup>ml</sup> | 21 14    |        | 30              | 35             | 55                                                                                                                                                                       | Azimuth 27 S.W.                   |
|                    |             | L                | 21 14 38 | 3      | 60              | 40             | 55                                                                                                                                                                       |                                   |
|                    |             | M                |          | 3      | 270             | 350            | 250                                                                                                                                                                      |                                   |
|                    |             |                  |          |        |                 |                |                                                                                                                                                                          |                                   |
| 9                  | ld          |                  | 10       |        |                 |                |                                                                                                                                                                          |                                   |
| 10                 | ld          |                  | 12       |        |                 |                |                                                                                                                                                                          |                                   |
| 11                 |             |                  | 3 12     |        |                 |                |                                                                                                                                                                          |                                   |
| 12                 |             |                  | 3 57     |        |                 |                | A succession of tremors.<br>Period 6s-8s. No short waves found.<br>Another succession of waves of small amplitude.<br>Periods as such as 18s at 4h On<br>No short waves. |                                   |
| 14                 |             |                  | 20 24.4  | 1      |                 |                |                                                                                                                                                                          | An and AV                         |
|                    |             |                  | 24.9     | 14     | 37              |                |                                                                                                                                                                          | imperfect records.                |
|                    |             |                  | 27.4     | 108    | 100             |                |                                                                                                                                                                          |                                   |
| 15                 |             |                  | 15 18    |        |                 |                | Strong tremor.                                                                                                                                                           |                                   |
| 18                 | lv          |                  | 13 33    | 6      |                 |                | Small Amplitude<br>These may be L waves from a small shock perhaps 300km distant.                                                                                        |                                   |
| 18                 | ld          |                  | 16       |        |                 |                | Two small                                                                                                                                                                |                                   |
| 19                 | ld          |                  | 17       |        |                 |                | local shocks.                                                                                                                                                            |                                   |
| 19                 | ld          |                  | 22 55    |        |                 |                | Rather larger than other ld shocks about this time.                                                                                                                      |                                   |
| 20                 | ld          |                  | 4        |        |                 |                |                                                                                                                                                                          |                                   |
| 20                 | ld          |                  | 8        |        |                 |                |                                                                                                                                                                          |                                   |
| 22                 | ld          |                  | 0        |        |                 |                |                                                                                                                                                                          |                                   |
| 23                 | ld          |                  | 3        |        |                 |                |                                                                                                                                                                          |                                   |

Copies of your earthquake reports are desired. kindly post them to the Observatory, Apia, Samoa.