

Apparatus.—Milne-Shaw Seismograph (N.-S.) : Damping Ratio 20.6 : 1



|    | V   | T <sub>0</sub> | ε   | $\frac{r}{T_0^2}$ |
|----|-----|----------------|-----|-------------------|
| An | 250 | 11.9           | 2.7 | ....              |

| Date.    | Phase. | Time<br>G. M. T. | Period<br>(Sec.) | Ampli-<br>tude (μ)<br>An. | Remarks.                          | Date.       | Phase. | Time<br>G. M. T. | Period<br>(Sec.) | Ampli-<br>tude (μ)<br>An. | Remarks.                                                  |
|----------|--------|------------------|------------------|---------------------------|-----------------------------------|-------------|--------|------------------|------------------|---------------------------|-----------------------------------------------------------|
| 1924.    |        | H. M. S.         |                  |                           |                                   | 1924—contd. |        | H. M. S.         |                  |                           |                                                           |
| Jan. 5th | From   | 13 34 0          |                  |                           | Tremors.                          | Jan. 24th   | From   | 15 41 0          | ..               | ..                        | Tremors.                                                  |
|          | To     | 13 59 0          | ..               | ..                        |                                   |             | To     | 16 51 0          | ..               | ..                        |                                                           |
| „ 7th    | P      | 10 8 58          | ..               | ..                        |                                   | „ 24th      | P      | 18 40 8          | ..               | ..                        |                                                           |
|          | S      | 10 19 46         | ..               | ..                        |                                   |             | S      | 18 42 46         | ..               | ..                        |                                                           |
|          | L      | 10 41 28         | ..               | ..                        |                                   |             | L      | 18 44 24         | ..               | ..                        |                                                           |
|          | M      | 10 52 58         | 23               | 14                        |                                   |             | M      | 18 44 32         | 7                | 11                        |                                                           |
|          | F      | 11 29 0          | ..               | ..                        |                                   |             | F      | 19 39 0          | ..               | ..                        |                                                           |
| „ 12th   | From   | 12 23 0          | ..               | ..                        | Tremors.                          | „ 25th      | From   | 6 28 0           | ..               | ..                        | Tremors.                                                  |
|          | To     | 13 14 0          | ..               | ..                        |                                   |             | To     | 8 17 0           | ..               | ..                        |                                                           |
| „ 12th   | From   | 14 16 0          | ..               | ..                        | Tremors.                          | „ 26th      | P      | 18 34 20         | ..               | ..                        |                                                           |
|          | To     | 15 10 0          | ..               | ..                        |                                   |             | S      | 18 37 28         | ..               | ..                        |                                                           |
| „ 13th   | From   | 23 15 0          | ..               | ..                        | Tremors.                          |             | L      | 18 38 43         | ..               | ..                        |                                                           |
|          | To     | 23 54 0          | ..               | ..                        |                                   |             | M      | ..               | ..               | ..                        | Movements very small.                                     |
| „ 14th   | P      | 21 0 29          | ..               | ..                        |                                   |             | F      | 18 52 0          | ..               | ..                        |                                                           |
|          | S      | 21 8 42          | ..               | ..                        |                                   |             |        |                  |                  |                           |                                                           |
|          | L      | 21 20 49         | ..               | ..                        |                                   | „ 27th      | From   | 4 33 0           | ..               | ..                        | Tremors.                                                  |
|          | M      | 21 28 12         | 13               | 30                        |                                   |             | To     | 5 9 0            | ..               | ..                        |                                                           |
| „ 15th   | F      | 0 27 0           | ..               | ..                        |                                   | „ 29th      | From   | 3 0 0            | ..               | ..                        | Tremors.                                                  |
| „ 15th   | From   | 3 17 0           | ..               | ..                        | Slight tremors.                   |             | To     | 5 0 0            | ..               | ..                        |                                                           |
|          | To     | 3 34 0           | ..               | ..                        |                                   | „ 30th      | P      | 0 10 4           | ..               | ..                        |                                                           |
| „ 15th   | From   | 20 0 0           | ..               | ..                        | Do.                               |             | S      | 0 13 30          | ..               | ..                        |                                                           |
|          | To     | 20 11 0          | ..               | ..                        |                                   |             | L      | 0 15 30          | ..               | ..                        |                                                           |
| „ 15th   | P      | 20 10 55         | ..               | ..                        | Local shock.                      |             | M      | 0 17 56          | 4                | 15                        |                                                           |
|          | M      | 20 11 12         | ..               | ..                        |                                   |             | F      | 1 9 0            | ..               | ..                        |                                                           |
|          | F      | 20 13 0          | ..               | ..                        |                                   | Feb. 2nd    | From   | 22 44 0          | ..               | ..                        | Tremors.                                                  |
| „ 16th   | Pe     | 21 58 58         | ..               | ..                        | Tremors.                          |             | To     | 23 26 0          | ..               | ..                        |                                                           |
|          | M      | 22 8 18          | ..               | ..                        |                                   | „ 9th       | Pe*    | 23 2 0           | ..               | ..                        | Milne-Shaw record lost due to extinction of light.        |
|          | F      | 23 2 0           | ..               | ..                        |                                   |             |        |                  |                  |                           |                                                           |
| „ 18th   | P      | 15 0 44          | ..               | ..                        |                                   | „ 11th      | P      | 6 7 44           | ..               | ..                        | These figures are approximate as the lines are congested. |
|          | S      | 15 4 16          | ..               | ..                        |                                   |             |        |                  |                  |                           |                                                           |
|          | L      | 15 6 21          | ..               | ..                        |                                   |             | S      | 6 16 0           | ..               | ..                        |                                                           |
|          | M      | ..               | ..               | ..                        | Movements small.                  |             | L      | 6 30 0           | ..               | ..                        |                                                           |
|          | F      | 15 44 0          | ..               | ..                        |                                   | „ 13th      | P      | 23 0 41          | ..               | ..                        |                                                           |
| „ 21st   | Pe*    | 2 4 0            | ..               | ..                        | Lines are mixed up in Milne-Shaw. |             | S      | 23 6 51          | ..               | ..                        |                                                           |
|          |        |                  |                  |                           |                                   |             | L      | 23 13 11         | ..               | ..                        |                                                           |
| „ 22nd   | From   | 11 11 0          | ..               | ..                        | Tremors.                          |             | M      | 23 22 7          | 19               | 13                        |                                                           |
|          | To     | 12 9 0           | ..               | ..                        |                                   | „ 14th      | F      | 0 34 0           | ..               | ..                        |                                                           |

\*From Omori.

|        | Phase. | Time<br>G. M. T. |    |    | Period<br>(Sec.) | Ampli-<br>tude ( $\mu$ )<br>An. | Remarks.                                                            | Date.                    | Phase. | Time<br>G. M. T. |    |    | Period<br>(Sec.) | Ampli-<br>tude ( $\mu$ )<br>An. | Remarks.                |
|--------|--------|------------------|----|----|------------------|---------------------------------|---------------------------------------------------------------------|--------------------------|--------|------------------|----|----|------------------|---------------------------------|-------------------------|
| contd. |        | H.               | M. | S. |                  |                                 |                                                                     | 1924—contd.<br>Mar. 18th |        | H.               | M. | S. |                  |                                 |                         |
| 14th   | P      | 19               | 4  | 45 | ..               | ..                              |                                                                     |                          | P      | 19               | 42 | 43 | ..               | ..                              |                         |
|        | S      | 19               | 8  | 38 | ..               | ..                              |                                                                     |                          | S      | 19               | 48 | 58 |                  |                                 |                         |
|        | M      | 19               | 10 | 38 | 15               | 12                              |                                                                     |                          | M      | ..               | .. | .. |                  |                                 | Movements very small.   |
|        | L      | 19               | 11 | 23 | ..               | ..                              |                                                                     |                          | F      | 20               | 29 | 0  | ..               | ..                              |                         |
|        | F      | ..               | .. | .. | ..               | ..                              | Cannot be exact-<br>ly determined<br>as the lines are<br>congested. | April 3rd                | From   | 1                | 42 | 0  | ..               | ..                              | Feeble Tremors.         |
|        |        |                  |    |    |                  |                                 |                                                                     |                          | To     | 1                | 59 | 0  | ..               | ..                              |                         |
| 18th   | P      | 17               | 11 | 14 | ..               | ..                              |                                                                     | " 3rd                    | P      | 2                | 52 | 43 | ..               | ..                              | Slight shock.           |
|        | S      | 17               | 17 | 6  | ..               | ..                              |                                                                     |                          | M      | 2                | 57 | 52 | ..               | ..                              |                         |
|        | L      | 17               | 23 | 9  | ..               | ..                              |                                                                     |                          | F      | 3                | 18 | 43 | ..               | ..                              |                         |
|        | M      | 17               | 31 | 7  | 19               | 20                              |                                                                     | " 13th                   | P      | 13               | 56 | 39 | ..               | ..                              |                         |
|        | F      | 18               | 39 | 0  | ..               | ..                              |                                                                     |                          | S      | 13               | 58 | 43 | ..               | ..                              |                         |
| 18th   | P      | 18               | 57 | 35 | ..               | ..                              | Tremors.                                                            |                          | L      | 13               | 59 | 32 | ..               | ..                              |                         |
|        | M      | 18               | 59 | 24 | ..               | ..                              |                                                                     |                          | M      | 14               | 21 | 24 | 15               | 11                              |                         |
|        | F      | 19               | 12 | 0  | ..               | ..                              |                                                                     |                          | F      | 15               | 52 | 0  | ..               | ..                              |                         |
| 19th   | P      | 7                | 5  | 52 | ..               | ..                              |                                                                     | " 14th                   | P      | 16               | 29 | 53 | ..               | ..                              |                         |
|        | S      | 7                | 10 | 44 | ..               | ..                              |                                                                     |                          | S      | 16               | 37 | 32 | ..               | ..                              |                         |
|        | L      | 7                | 14 | 18 | ..               | ..                              |                                                                     |                          | M      | 16               | 47 | 0  | 33               | 1294                            |                         |
|        | M      | 7                | 19 | 48 | 19               | 17                              |                                                                     |                          | F      | 20               | 54 | 0  | ..               | ..                              |                         |
|        | F      | ..               | .. | .. | ..               | ..                              | Mixed up in<br>microseisms.                                         | " 20th                   | P      | 14               | 31 | 43 | ..               | ..                              |                         |
|        |        |                  |    |    |                  |                                 |                                                                     |                          | S      | 14               | 35 | 36 | ..               | ..                              |                         |
| 26th   | From   | 17               | 35 | 0  | ..               | ..                              | Feeble tremors.                                                     |                          | L      | 14               | 38 | 7  | ..               | ..                              |                         |
|        | To     | 17               | 49 | 0  | ..               | ..                              |                                                                     |                          | M      | 14               | 48 | 1  | 10               | 11                              |                         |
| 29th   | P      | 8                | 50 | 21 | ..               | ..                              |                                                                     |                          | F      | 16               | 14 | 0  | ..               | ..                              |                         |
|        | S      | 9                | 0  | 50 | ..               | ..                              |                                                                     | " 21st                   | P      | 16               | 24 | 32 | ..               | ..                              |                         |
|        | L      | 9                | 21 | 46 | ..               | ..                              |                                                                     |                          | S      | 16               | 27 | 57 | ..               | ..                              |                         |
|        | M      | 9                | 28 | 46 | 15               | 4                               |                                                                     |                          | L      | 16               | 29 | 35 | ..               | ..                              |                         |
|        | F      | 10               | 39 | 0  | ..               | ..                              |                                                                     |                          | M      | 16               | 31 | 59 | ..               | ..                              |                         |
| 4th    | P      | 10               | 27 | 22 | ..               | ..                              |                                                                     |                          | F      | 16               | 59 | 0  | ..               | ..                              |                         |
|        | S      | 10               | 43 | 22 | ..               | ..                              |                                                                     | " 21st                   | P      | 20               | 20 | 26 | ..               | ..                              |                         |
|        | L      | 11               | 24 | 14 | ..               | ..                              |                                                                     |                          | S      | 20               | 24 | 7  | ..               | ..                              |                         |
|        | M      | 11               | 35 | 44 | 17               | 17                              |                                                                     |                          | L      | 20               | 26 | 11 | ..               | ..                              |                         |
|        | F      | 14               | 0  | 0  | ..               | ..                              |                                                                     |                          | M      | ..               | .. | .. | ..               | ..                              | Movements very small.   |
| 5th    | P      | 4                | 35 | 3  | ..               | ..                              |                                                                     |                          | F      | 22               | 14 | 0  | ..               | ..                              |                         |
|        | S      | 4                | 38 | 48 | ..               | ..                              |                                                                     | " 25th                   | From   | 9                | 22 | 0  | ..               | ..                              | Tremors.                |
|        | L      | 4                | 41 | 10 | ..               | ..                              |                                                                     |                          | To     | 9                | 34 | 0  | ..               | ..                              |                         |
|        | M      | 4                | 42 | 10 | ..               | ..                              |                                                                     | " 25th                   | From   | 12               | 39 | 0  | ..               | ..                              | Tremors.                |
|        | F      | 5                | 55 | 0  | ..               | ..                              |                                                                     |                          | To     | 12               | 50 | 0  | ..               | ..                              |                         |
| 11th   | From   | 11               | 6  | 0  | ..               | ..                              | Tremors.                                                            | " 25th                   | From   | 18               | 16 | 0  | ..               | ..                              | Tremors.                |
|        | To     | 12               | 59 | 0  | ..               | ..                              |                                                                     |                          | To     | 19               | 19 | 0  | ..               | ..                              |                         |
| 14th   | From   | 3                | 2  | 0  | ..               | ..                              | Tremors.                                                            | " 27th                   | From   | 22               | 12 | 0  | ..               | ..                              | Tremors.                |
|        | To     | 3                | 39 | 0  | ..               | ..                              |                                                                     |                          | To     | 22               | 19 | 0  | ..               | ..                              |                         |
| 15th   | P      | 10               | 41 | 45 | ..               | ..                              |                                                                     | " 28th                   | From   | 21               | 59 | 0  | ..               | ..                              | Tremors.                |
|        | S      | 10               | 50 | 17 | ..               | ..                              |                                                                     |                          | To     | 22               | 49 | 0  | ..               | ..                              |                         |
|        | L      | 11               | 4  | 55 | ..               | ..                              |                                                                     | " 29th                   | P      | 21               | 31 | 7  | ..               | ..                              | Small Tremor movements. |
|        | M      | 11               | 6  | 32 | 18               | 87                              |                                                                     |                          | M      | 21               | 39 | 42 | 15               | 7                               |                         |
|        | F      | 13               | 59 | 0  | ..               | ..                              |                                                                     |                          | F      | 22               | 19 | 0  | ..               | ..                              |                         |

| Date.       | Phase. | Time<br>G. M. T. | Period<br>(Sec.). | Ampli-<br>tude ( $\mu$ )<br>An. | Remarks.                  | Date.       | Phase. | Time<br>G. M. T. | Period<br>(Sec.). | Ampli-<br>tude ( $\mu$ )<br>An. | Remarks.                                                                     |
|-------------|--------|------------------|-------------------|---------------------------------|---------------------------|-------------|--------|------------------|-------------------|---------------------------------|------------------------------------------------------------------------------|
| 1924—contd. |        | H. M. S.         |                   |                                 |                           | 1924—contd. |        | H. M. S.         |                   |                                 |                                                                              |
| April 30th  | From   | 5 6 0            | ..                | ..                              | Large Tremors.            | June 30th   | M      | 16 20 20         | 19                | 59                              |                                                                              |
|             | To     | 6 59 0           | ..                | ..                              |                           |             | F      | ..               | ..                | ..                              | Cannot be exactly<br>determined<br>owing to micro-<br>seisms.                |
| May 1st     | P      | 20 13 55         | ..                | ..                              |                           | July 3rd    | P*     | 4 45 2           | ..                | ..                              | *From Omori<br>Milne-Shaw re-<br>cord lost while<br>shifting papers.         |
|             | S      | 20 17 40         | ..                | ..                              |                           |             | S      | 4 48 46          | ..                | ..                              |                                                                              |
|             | L      | 20 19 51         | ..                | ..                              |                           |             | F      | 5 9 0            | ..                | ..                              |                                                                              |
|             | M      | 21 8 10          | ..                | ..                              |                           |             | P      | 8 13 42          | ..                | ..                              |                                                                              |
|             | F      | 22 49 0          | ..                | ..                              |                           |             | S      | 8 17 42          | ..                | ..                              |                                                                              |
| " 4th       | P      | 17 9 56          | ..                | ..                              |                           | " 3rd       | L      | 8 20 5           | ..                | ..                              |                                                                              |
|             | M      | 17 23 7          | 11                | 6                               |                           |             | F      | 8 29 0           | ..                | ..                              |                                                                              |
|             | F      | 18 46 0          | ..                | ..                              |                           |             | P      | 15 6 54          | ..                | ..                              |                                                                              |
| " 6th       | From   | 3 56 0           | ..                | ..                              | Tremors.                  | " 5th       | S      | 15 10 58         | ..                | ..                              |                                                                              |
|             | To     | 4 19 0           | ..                | ..                              |                           |             | L      | 15 13 28         | ..                | ..                              |                                                                              |
| " 6th       | P      | 16 17 51         | ..                | ..                              |                           |             | F      | 15 41 0          | ..                | ..                              |                                                                              |
|             | S      | 16 23 40         | ..                | ..                              |                           | " 5th       | From   | 23 29 0          | ..                | ..                              | Tremors.                                                                     |
|             | L      | 16 29 29         | ..                | ..                              |                           |             | To     | 23 49 0          | ..                | ..                              |                                                                              |
|             | M      | 16 41 55         | 13                | 22                              |                           | " 6th       | From   | 14 41 0          | ..                | ..                              | Tremors.                                                                     |
|             | F      | 18 14 0          | ..                | ..                              |                           |             | To     | 16 29 0          | ..                | ..                              |                                                                              |
| " 7th       | From   | 1 2 0            | ..                | ..                              | Tremors.                  | " 6th       | P      | 18 36 45         | ..                | ..                              |                                                                              |
|             | To     | 1 24 0           | ..                | ..                              |                           |             | S      | 18 40 48         | ..                | ..                              |                                                                              |
| " 27th      | From   | 14 41 0          | ..                | ..                              | Very feeble tre-<br>mors. |             | L      | 18 43 4          | ..                | ..                              |                                                                              |
|             | To     | 14 55 0          | ..                | ..                              |                           |             | M      | 18 45 26         | 9                 | 70                              |                                                                              |
| " 28th      | P      | 10 1 52          | ..                | ..                              |                           |             | F      | 19 53 44         | ..                | ..                              |                                                                              |
|             | S      | 10 4 27          | ..                | ..                              |                           | " 11th      | P      | 19 49 9          | ..                | ..                              |                                                                              |
|             | L      | 10 5 28          | ..                | ..                              |                           |             | S      | 19 53 17         | ..                | ..                              |                                                                              |
|             | M      | 10 10 9          | 7                 | 11                              |                           |             | Le     | 19 54 55         | ..                | ..                              |                                                                              |
|             | F      | 11 9 0           | ..                | ..                              |                           |             | Fe     | 23 24 0          | ..                | ..                              |                                                                              |
| " 31st      | P      | 12 22 25         | ..                | ..                              |                           | " 12th      | P†     | 15 17 17         | ..                | ..                              | †From Omori<br>Milne-Shaw re-<br>cord lost due to<br>extinction of<br>light. |
|             | M      | 12 44 21         | ..                | ..                              |                           |             | S      | 15 21 36         | ..                | ..                              |                                                                              |
|             | F      | 13 28 44         | ..                | ..                              |                           |             | L      | 15 23 43         | ..                | ..                              |                                                                              |
| June 16th   | P      | 19 51 11         | ..                | ..                              |                           |             | M      | 15 24 23         | ..                | ..                              |                                                                              |
|             | S      | 19 52 41         | ..                | ..                              |                           |             | F      | 15 54 0          | ..                | ..                              |                                                                              |
|             | L      | 19 53 18         | ..                | ..                              |                           | " 21st      | P      | 0 47 50          | ..                | ..                              |                                                                              |
|             | M      | 19 51 26         | ..                | ..                              | Movements small           |             | M      | 0 50 15          | ..                | ..                              |                                                                              |
|             | F      | 19 56 0          | ..                | ..                              |                           |             | F      | .                | ..                | ..                              | Mixed up in<br>microseisms.                                                  |
| " 22nd      | P      | 16 50 47         | ..                | ..                              | Feeble shock.             | " 22nd      | P      | 14 39 7          | ..                | ..                              |                                                                              |
|             | M      | 16 54 21         | ..                | ..                              |                           |             | S      | 14 44 0          | ..                | ..                              |                                                                              |
|             | F      | 17 15 0          | ..                | ..                              |                           |             | L      | 14 47 37         | ..                | ..                              |                                                                              |
| " 26th      | P      | 1 51 29          | ..                | ..                              |                           |             | M      | 14 52 0          | 11                | 10                              |                                                                              |
|             | S      | 2 2 19           | ..                | ..                              |                           |             | F      | ..               | ..                | ..                              | Mixed up in tre-<br>mors.                                                    |
|             | L      | 2 25 27          | ..                | ..                              |                           | " 24th      | P      | 5 13 22          | ..                | ..                              |                                                                              |
|             | M      | 2 32 59          | 15                | 143                             |                           |             | S      | 5 22 24          | ..                | ..                              |                                                                              |
|             | F      | 5 52 0           | ..                | ..                              |                           |             | L      | 5 38 32          | ..                | ..                              |                                                                              |
| " 30th      | P      | 15 54 58         | ..                | ..                              |                           |             | M      | 5 50 43          | 21                | 44                              |                                                                              |
|             | S      | 16 3 32          | ..                | ..                              |                           |             | F      | 7 27 0           | ..                | ..                              |                                                                              |
|             | L      | 16 17 32         | ..                | ..                              |                           |             |        |                  |                   |                                 |                                                                              |

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| Date.       | Phase. | Time<br>G. M. T. | Period<br>(Sec.). | Ampli-<br>tude ( $\mu$ )<br>An. | Remarks.                                                               | Date.                  | Phase. | Time<br>G. M. T. | Period<br>(Sec.). | Ampli-<br>tude ( $\mu$ )<br>An. | Remarks.     |
|-------------|--------|------------------|-------------------|---------------------------------|------------------------------------------------------------------------|------------------------|--------|------------------|-------------------|---------------------------------|--------------|
| 1924—contd. |        | H. M. S.         |                   |                                 |                                                                        | 1924—contd.            |        | H. M. S.         |                   |                                 |              |
| July 29th . | Pe     | 5 26 11          | ..                | ..                              |                                                                        | Aug. 25th—<br>contd. ✓ | P      | 23 18 35         | ..                | ..                              |              |
|             | S      | 5 35 15          | ..                | ..                              |                                                                        |                        | S      | 23 28 5          | ..                | ..                              |              |
|             | M      | 5 50 34          | 19                | 16                              |                                                                        |                        | L      | 23 46 5          | ..                | ..                              |              |
|             | F      | ..               | ..                | ..                              | Mixed up in<br>microseisms.                                            |                        | M      | 23 54 35         | 17                | 4                               |              |
| Aug. 1st    | P      | 14 51 42         | ..                | ..                              | Feeble shock.                                                          | " 26th                 | F      | 0 29 0           | ..                | ..                              |              |
|             | M      | 14 54 50         | ..                | ..                              |                                                                        | ✓ " 30th               | P      | 3 14 21          | ..                | ..                              |              |
|             | F      | 15 0 44          | ..                | ..                              |                                                                        |                        | S      | 3 21 43          | ..                | ..                              |              |
| " 10th      | Pe*    | 6 22 0           | ..                | ..                              | *From Omori.<br>Milne-Shaw<br>record lost<br>while shifting<br>papers. |                        | M      | 3 42 23          | 19                | 64                              |              |
|             | Fe     | 7 31 0           | ..                | ..                              |                                                                        | Sept. 2nd              | P      | 22 6 38          | ..                | ..                              | Small shock. |
|             |        |                  |                   |                                 |                                                                        | "                      | S      | 22 13 38         | ..                | ..                              |              |
|             |        |                  |                   |                                 |                                                                        | "                      | F      | 23 0 0           | ..                | ..                              |              |
| " 13th      | From   | 10 15 0          | ..                | ..                              | Tremors.                                                               | " 4th                  | From   | 9 54 0           | ..                | ..                              | Tremors.     |
|             | To     | 10 39 0          | ..                | ..                              |                                                                        |                        | To     | 10 9 0           | ..                | ..                              |              |
| " 13th      | From   | 14 14 0          | ..                | ..                              | Tremors.                                                               | " 4th                  | From   | 16 17 0          | ..                | ..                              | Tremors.     |
|             | To     | 14 49 0          | ..                | ..                              |                                                                        |                        | To     | 17 29 0          | ..                | ..                              |              |
| " 14th      | P      | 0 2 23           | ..                | ..                              |                                                                        | " 5th                  | From   | 7 10 0           | ..                | ..                              | Tremors.     |
|             | S      | 0 6 7            | ..                | ..                              |                                                                        |                        | To     | 8 19 0           | ..                | ..                              |              |
|             | L      | 0 8 12           | ..                | ..                              |                                                                        | " 5th                  | From   | 15 5 0           | ..                | ..                              | Tremors.     |
|             | M      | 0 8 42           | 15                | 61                              |                                                                        |                        | To     | 15 46 0          | ..                | ..                              |              |
|             | F      | 0 39 0           | ..                | ..                              |                                                                        | " 6th                  | From   | 5 3 0            | ..                | ..                              | Tremors.     |
| " 14th      | From   | 1 29 0           | ..                | ..                              | Tremors.                                                               |                        |        | 5 31 0           | ..                | ..                              |              |
|             | To     | 2 9 0            | ..                | ..                              |                                                                        | " 6th                  | P      | 19 50 20         | ..                | ..                              |              |
| " 14th      | P      | 18 12 59         | ..                | ..                              |                                                                        |                        | S      | 20 0 24          | ..                | ..                              |              |
|             | S      | 18 21 33         | ..                | ..                              |                                                                        |                        | F      | 20 34 0          | ..                | ..                              |              |
|             | L      | 18 36 55         | ..                | ..                              |                                                                        | " 7th                  | P      | 1 55 5           | ..                | ..                              |              |
|             | M      | 18 42 10         | 16                | 40                              |                                                                        |                        | S      | 2 2 42           | ..                | ..                              |              |
|             | F      | 21 14 0          | ..                | ..                              |                                                                        | " 7th                  | F      | 2 44 0           | ..                | ..                              |              |
| " 17th      | P      | 1 56 20          | ..                | ..                              |                                                                        |                        | P      | 19 51 25         | ..                | ..                              |              |
|             | S      | 2 5 6            | ..                | ..                              |                                                                        |                        | F      | 20 19 0          | ..                | ..                              |              |
|             | M      | 2 49 58          | 15                | 6                               |                                                                        | " 9th                  | From   | 14 53 0          | ..                | ..                              | Tremors.     |
|             | F      | 3 31 0           | ..                | ..                              |                                                                        |                        | To     | 15 39 0          | ..                | ..                              |              |
| " 19th      | From   | 15 16 0          | ..                | ..                              | Tremors.                                                               | " 10th                 | Pe     | 6 3 10           | ..                | ..                              |              |
|             | To     | 15 27 0          | ..                | ..                              |                                                                        |                        | S      | 6 11 21          | ..                | ..                              |              |
| " 25th      | P      | 2 33 15          | ..                | ..                              |                                                                        |                        | F      | 7 10 44          | ..                | ..                              |              |
|             | Se     | 2 42 38          | ..                | ..                              |                                                                        | " 11th                 | Pe     | 3 23 0           | ..                | ..                              |              |
|             | M      | 2 57 1           | 19                | 11                              |                                                                        |                        | Fe     | 4 35 0           | ..                | ..                              |              |
|             | F      | 4 11 0           | ..                | ..                              |                                                                        | " 12th                 | From   | 0 15 0           | ..                | ..                              | Tremors.     |
| " 25th      | P      | 14 41 21         | ..                | ..                              |                                                                        |                        | To     | 0 29 0           | ..                | ..                              |              |
|             | S      | 14 49 59         | ..                | ..                              |                                                                        | " 12th                 | P      | 9 8 0            | ..                | ..                              |              |
|             | L      | 15 4 36          | ..                | ..                              |                                                                        |                        | F      | 9 16 0           | ..                | ..                              |              |
|             | M      | 15 9 19          | 15                | 6                               |                                                                        |                        |        |                  |                   |                                 |              |
|             | F      | 16 37 0          | ..                | ..                              |                                                                        |                        |        |                  |                   |                                 |              |

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| Date.       | Phase. | Time<br>G. M. T. | Pe-<br>riod.<br>(Sec.) | Ampli-<br>tude<br>( $\mu$ )<br>An. | Remarks. | Date.                  | Phase. | Time<br>G. M. T. | Pe-<br>riod<br>(Sec.) | Ampli-<br>tude<br>( $\mu$ )<br>An. | Remarks.                                                 |
|-------------|--------|------------------|------------------------|------------------------------------|----------|------------------------|--------|------------------|-----------------------|------------------------------------|----------------------------------------------------------|
| 1924—contd. |        | H. M. S.         |                        |                                    |          | 1924—contd.            |        | H. M. S.         |                       |                                    |                                                          |
| Sept. 13th  | P      | 14 40 57         | ..                     | ..                                 |          | Sept. 24th—<br>contd.— | From   | 19 13 0          | ..                    | ..                                 | Tremors.                                                 |
|             | S      | 14 46 29         | ..                     | ..                                 |          |                        | To     | 19 39 0          | ..                    | ..                                 |                                                          |
|             | L      | 14 50 59         | ..                     | ..                                 |          | " 25th                 | From   | 5 6 0            | ..                    | ..                                 | Tremors.                                                 |
|             | M      | 14 55 10         | 29                     | 591                                |          |                        | To     | 5 34 0           | ..                    | ..                                 |                                                          |
|             | F      | 17 9 0           | ..                     | ..                                 |          | " 27th                 | From   | 4 10 0           | ..                    | ..                                 | Tremors.                                                 |
| " 13th      | P      | 19 29 29         | ..                     | ..                                 |          |                        | To     | 5 19 0           | ..                    | ..                                 |                                                          |
|             | F      | 20 13 0          | ..                     | ..                                 |          | " 27th                 | From   | 13 9 0           | ..                    | ..                                 | Tremors.                                                 |
| " 14th      | P      | 13 25 43         | ..                     | ..                                 |          |                        | To     | 13 54 0          | ..                    | ..                                 |                                                          |
|             | S      | 13 36 8          | ..                     | ..                                 |          | " 27th                 | From   | 22 18 0          | ..                    | ..                                 |                                                          |
|             | L      | 13 57 3          | ..                     | ..                                 |          | " 28th                 | To     | 2 43 0           | ..                    | ..                                 |                                                          |
|             | M      | 13 59 43         | 20                     | 18                                 |          | Oct. 2nd               | P      | 15 58 0          | ..                    | ..                                 |                                                          |
|             | F      | 16 15 0          | ..                     | ..                                 |          |                        | F      | 16 11 0          | ..                    | ..                                 |                                                          |
| " 16th      | P      | 2 40 32          | ..                     | ..                                 |          | " 4th                  | From   | 6 54 0           | ..                    | ..                                 | Tremors.                                                 |
|             | S      | 2 44 20          | ..                     | ..                                 |          |                        | To     | 7 14 0           | ..                    | ..                                 |                                                          |
|             | L      | 2 46 39          | ..                     | ..                                 |          | " 6th                  | Pe     | 6 30 55          | ..                    | ..                                 |                                                          |
|             | M      | 2 48 46          | 13                     | 24                                 |          |                        | S      | 6 39 21          | ..                    | ..                                 |                                                          |
|             | F      | 3 55 0           | ..                     | ..                                 |          |                        | F      | 7 29 0           | ..                    | ..                                 |                                                          |
| " 17th      | P      | 10 25 3          | ..                     | ..                                 |          | " 8th                  | From   | 8 48 0           | ..                    | ..                                 | Tremors.                                                 |
|             | M      | 10 28 30         | ..                     | ..                                 |          |                        | To     | 8 54 0           | ..                    | ..                                 |                                                          |
|             | F      | 10 51 0          | ..                     | ..                                 |          | " 8th                  | P      | 20 37 22         | ..                    | ..                                 |                                                          |
| " 18th      | P      | 1 18 56          | ..                     | ..                                 |          |                        | S      | 20 40 50         | ..                    | ..                                 |                                                          |
|             | S      | 1 27 10          | ..                     | ..                                 |          |                        | L      | 20 42 43         | ..                    | ..                                 |                                                          |
|             | F      | 2 9 0            | ..                     | ..                                 |          |                        | M      | ..               | ..                    | ..                                 | Cannot be de-<br>termined as<br>the traces are<br>faint. |
| " 18th      | From   | 22 14 0          | ..                     | ..                                 | Tremors. |                        | F      | 22 19 0          | ..                    | ..                                 |                                                          |
|             | To     | 22 43 0          | ..                     | ..                                 |          | " 12th                 | Pe     | 19 57 19         | ..                    | ..                                 |                                                          |
| " 18th      | From   | 23 39 0          | ..                     | ..                                 | Tremors. |                        | S      | 20 7 12          | ..                    | ..                                 |                                                          |
|             | To     | 23 53 0          | ..                     | ..                                 |          |                        | F      | 21 7 0           | ..                    | ..                                 |                                                          |
| " 19th      | From   | 0 42 0           | ..                     | ..                                 | Tremors. | " 13th                 | From   | 1 53 0           | ..                    | ..                                 | Tremors.                                                 |
|             | To     | 0 54 0           | ..                     | ..                                 |          |                        | To     | 2 1 0            | ..                    | ..                                 |                                                          |
| " 19th      | From   | 1 54 0           | ..                     | ..                                 | Tremors. | " 13th                 | P      | 16 21 40         | ..                    | ..                                 |                                                          |
|             | To     | 2 14 0           | ..                     | ..                                 |          |                        | F      | 17 59 0          | ..                    | ..                                 |                                                          |
| " 19th      | From   | 3 15 0           | ..                     | ..                                 | Tremors. | " 14th                 | From   | 5 19 0           | ..                    | ..                                 | Tremors.                                                 |
|             | To     | 4 18 0           | ..                     | ..                                 |          |                        | To     | 6 39 0           | ..                    | ..                                 |                                                          |
| " 19th      | From   | 7 37 0           | ..                     | ..                                 | Tremors. | " 18th                 | From   | 20 3 0           | ..                    | ..                                 | Tremors.                                                 |
|             | To     | 8 29 0           | ..                     | ..                                 |          |                        | To     | 20 24 0          | ..                    | ..                                 |                                                          |
| " 19th      | From   | 11 18 0          | ..                     | ..                                 | Tremors. | " 19th                 | From   | 0 39 0           | ..                    | ..                                 | Tremors.                                                 |
|             | To     | 11 26 0          | ..                     | ..                                 |          |                        | To     | 1 9 0            | ..                    | ..                                 |                                                          |
| " 19th      | From   | 13 31 0          | ..                     | ..                                 | Tremors. | " 20th                 | P      | 20 4 29          | ..                    | ..                                 |                                                          |
|             | To     | 13 35 0          | ..                     | ..                                 |          |                        | S      | 20 14 14         | ..                    | ..                                 |                                                          |
| " 19th      | From   | 14 37 0          | ..                     | ..                                 | Tremors. |                        | L      | 20 32 44         | ..                    | ..                                 |                                                          |
|             | To     | 14 51 0          | ..                     | ..                                 |          |                        | M      | 20 40 36         | 19                    | ..                                 |                                                          |
| " 19th      | From   | 16 21 0          | ..                     | ..                                 | Tremors. |                        | F      | 22 39 0          | ..                    | ..                                 |                                                          |
|             | To     | 16 26 0          | ..                     | ..                                 |          | Oct. 25th              | From   | 15 47 0          | ..                    | ..                                 | Tremors.                                                 |
| " 24th      | From   | 15 10 0          | ..                     | ..                                 | Tremors. |                        |        | 15 59 0          | ..                    | ..                                 |                                                          |
|             | To     | 16 43 0          | ..                     | ..                                 |          |                        |        |                  |                       |                                    |                                                          |



| Date.                  | Phase. | Time<br>G. M. T. |    |    | Pe-<br>riod<br>(Sec.) | Ampli-<br>tude<br>( $\mu$ )<br>An. | Remarks.     | Date.                  | Phase. | Time<br>G. M. T. |    |    | Pe-<br>riod<br>(Sec.) | Ampli-<br>tude<br>( $\mu$ )<br>An. | Remarks.                          |
|------------------------|--------|------------------|----|----|-----------------------|------------------------------------|--------------|------------------------|--------|------------------|----|----|-----------------------|------------------------------------|-----------------------------------|
| 1924—concl'd.          |        | H.               | M. | T. |                       |                                    |              | 1924—concl'd.          |        | H.               | M. | T. |                       |                                    |                                   |
| Oct. 25th—<br>concl'd. | From   | 19               | 33 | 0  | ..                    | ..                                 | Tremors.     | Nov. 28th—<br>concl'd. | P      | 19               | 15 | 1  | ..                    | ..                                 |                                   |
|                        | To     | 20               | 9  | 0  | ..                    | ..                                 |              |                        | S      | 19               | 25 | 35 | ..                    | ..                                 |                                   |
| „ 27th                 | From   | 10               | 0  | 0  | ..                    | ..                                 | Tremors.     |                        | L      | 19               | 47 | 23 | ..                    | ..                                 |                                   |
|                        | To     | 10               | 19 | 0  | ..                    | ..                                 |              |                        | M      | 19               | 51 | 1  | ..                    | ..                                 |                                   |
| „ 27th                 | P      | 20               | 6  | 15 | ..                    | ..                                 |              |                        | F      | 20               | 43 | 0  | ..                    | ..                                 |                                   |
|                        | S      | 20               | 13 | 28 | ..                    | ..                                 |              | Dec. 1st               | From   | 6                | 15 | 0  | ..                    | ..                                 | Tremors.                          |
|                        | M      | 20               | 13 | 32 | 12                    | 8                                  |              |                        | To     | 6                | 51 | 0  | ..                    | ..                                 |                                   |
|                        | L      | 20               | 22 | 51 | ..                    | ..                                 |              | „ 5th                  | P      | 9                | 45 | 41 | ..                    | ..                                 |                                   |
|                        | F      | 21               | 34 | 0  | ..                    | ..                                 |              |                        | S      | 9                | 53 | 15 | ..                    | ..                                 |                                   |
| „ 31st                 | P      | 3                | 16 | 56 | ..                    | ..                                 |              |                        | F      | ..               | .. | .. | ..                    | ..                                 | End lost while<br>changing paper. |
|                        | F      | 3                | 56 | 0  | ..                    | ..                                 |              | ✓ „ 11th               | P      | 17               | 38 | 43 | ..                    | ..                                 |                                   |
| Nov. 1st               | From   | 6                | 15 | 0  | ..                    | ..                                 | Tremors.     |                        | S      | 17               | 47 | 0  | ..                    | ..                                 |                                   |
|                        | To     | 7                | 9  | 0  | ..                    | ..                                 |              |                        | L      | 17               | 59 | 43 | ..                    | ..                                 |                                   |
| „ 1st                  | From   | 9                | 32 | 0  | ..                    | ..                                 | Tremors.     |                        | M      | 18               | 1  | 54 | 17                    | 20                                 |                                   |
|                        | To     | 9                | 54 | 0  | ..                    | ..                                 |              |                        | F      | 19               | 46 | 0  | ..                    | ..                                 |                                   |
| „ 3rd                  | P      | 19               | 7  | 41 | ..                    | ..                                 | Small shock. | „ 11th                 | From   | 22               | 5  | 0  | ..                    | ..                                 | Tremors.                          |
|                        | S      | 19               | 11 | 26 | ..                    | ..                                 |              |                        | To     | 23               | 41 | 0  | ..                    | ..                                 |                                   |
|                        | F      | 19               | 39 | 41 | ..                    | ..                                 |              | „ 12th                 | P      | 23               | 53 | 31 | ..                    | ..                                 |                                   |
| „ 6th                  | P      | 7                | 54 | 46 | ..                    | ..                                 |              | „ 13th                 | S      | 0                | 0  | 31 | ..                    | ..                                 |                                   |
|                        | M      | 7                | 57 | 33 | ..                    | ..                                 |              |                        | L      | 0                | 9  | 42 | ..                    | ..                                 |                                   |
|                        | F      | 8                | 13 | 0  | ..                    | ..                                 |              |                        | F      | 1                | 49 | 0  | ..                    | ..                                 |                                   |
| „ 8th                  | P      | 9                | 11 | 51 | ..                    | ..                                 |              | „ 15th                 | Pe     | 21               | 6  | 0  | ..                    | ..                                 |                                   |
|                        | F      | 9                | 49 | 0  | ..                    | ..                                 |              |                        | F      | 22               | 24 | 0  | ..                    | ..                                 |                                   |
| „ 13th                 | P      | 8                | 56 | 18 | ..                    | ..                                 |              | „ 26th                 | P      | 23               | 52 | 19 | ..                    | ..                                 |                                   |
|                        | F      | 10               | 52 | 0  | ..                    | ..                                 |              |                        | S      | 23               | 55 | 23 | ..                    | ..                                 |                                   |
| „ 14th                 | From   | 17               | 51 | 0  | ..                    | ..                                 | Tremors.     | „ 27th                 | F      | 0                | 59 | 0  | ..                    | ..                                 |                                   |
|                        | To     | 18               | 1  | 0  | ..                    | ..                                 |              | „ 27th                 | P      | 11               | 32 | 26 | ..                    | ..                                 |                                   |
| „ 20th                 | Pe     | 20               | 36 | 0  | ..                    | ..                                 |              |                        | S      | 11               | 40 | 58 | ..                    | ..                                 |                                   |
|                        | Fe     | 21               | 44 | 0  | ..                    | ..                                 |              |                        | M      | 11               | 42 | 12 | 13                    | 20                                 |                                   |
| „ 24th                 | From   | 8                | 7  | 0  | ..                    | ..                                 | Tremors.     |                        | L      | 11               | 55 | 52 | ..                    | ..                                 |                                   |
|                        | To     | 8                | 54 | 0  | ..                    | ..                                 |              |                        | F      | 13               | 2  | 0  | ..                    | ..                                 |                                   |
| „ 25th                 | P      | 17               | 39 | 7  | ..                    | ..                                 |              | ✓ „ 28th               | P      | 23               | 5  | 43 | ..                    | ..                                 |                                   |
|                        | S      | 17               | 44 | 44 | ..                    | ..                                 |              |                        | S      | 23               | 14 | 32 | ..                    | ..                                 |                                   |
|                        | F      | 18               | 19 | 0  | ..                    | ..                                 |              |                        | L      | 23               | 29 | 20 | ..                    | ..                                 |                                   |
| „ 28th                 | From   | 12               | 29 | 0  | ..                    | ..                                 | Tremors.     |                        | M      | 23               | 37 | 19 | 17                    | 23                                 |                                   |
|                        | To     | 14               | 10 | 0  | ..                    | ..                                 |              |                        | F      | ..               | .. | .. | ..                    | ..                                 | Mixed up in<br>microseisms.       |