

## Seismological Bulletin

1924

| No. | Date    | Phase           | Time |    |    | Period | Amplitude |       | $\Delta$ | Remarks               |
|-----|---------|-----------------|------|----|----|--------|-----------|-------|----------|-----------------------|
|     |         |                 | G.   | M. | T. |        | AE        | AN    |          |                       |
|     |         |                 | h    | m  | s  | s      | $\mu$     | $\mu$ | km.      |                       |
| 1   | Jan. 14 | P <sub>N</sub>  | 20   | 52 | 17 | 12.0   | >642      |       | 736      |                       |
|     |         | L <sub>N</sub>  | 20   | 53 | 53 |        |           |       |          |                       |
|     |         | M <sub>N</sub>  | —    |    |    |        |           |       |          |                       |
|     |         | F <sub>N</sub>  | 21   | 34 | 55 |        |           |       |          |                       |
| 2   | Jan. 21 | P               | 1    | 58 | 21 | 11.5   | +58       |       | 2519     | Distant earthquake.   |
|     |         | S               | 1    | 59 | 39 |        |           |       |          |                       |
|     |         | L               | 2    | 02 | 56 |        |           |       |          |                       |
|     |         | M <sub>E</sub>  | 2    | 05 | 07 |        |           |       |          |                       |
|     |         | F               | 2    | 38 | 21 |        |           |       |          |                       |
| 3   | Jan. 30 | P               | —    |    |    |        |           | —     |          | P phase not distinct. |
|     |         | L <sub>N</sub>  | 4    | 53 | 06 |        |           |       |          |                       |
|     |         | F <sub>N</sub>  | 5    | 00 | 07 |        |           |       |          |                       |
| 4   | Feb. 2  | P               | 17   | 29 | 22 | 1.0    | -13       |       | 159      |                       |
|     |         | L               | 17   | 29 | 43 |        |           |       |          |                       |
|     |         | M <sub>E</sub>  | 17   | 29 | 51 |        |           |       |          |                       |
|     |         | M <sub>N</sub>  | 17   | 29 | 45 |        |           |       |          |                       |
|     |         | F               | 17   | 38 | 55 |        |           |       |          |                       |
| 5   | Feb. 2  | eP              | 22   | 27 | 20 |        |           |       | 1786     |                       |
|     |         | L               | 22   | 30 | 03 |        |           |       |          |                       |
|     |         | F               | 22   | 53 | 44 |        |           |       |          |                       |
| 6   | Feb. 24 | P               | —    |    |    |        |           | —     |          | P phase not distinct. |
|     |         | L <sub>N</sub>  | 16   | 48 | 53 |        |           |       |          |                       |
|     |         | F <sub>N</sub>  | 16   | 51 | 51 |        |           |       |          |                       |
| 7   | Mar. 15 | P               | 10   | 35 | 30 | 25.0   | +715      |       | 2192     |                       |
|     |         | L               | 10   | 39 | 15 |        |           |       |          |                       |
|     |         | M <sub>1E</sub> | 10   | 40 | 32 |        |           |       |          |                       |
|     |         | M <sub>2E</sub> | 10   | 41 | 37 |        |           |       |          |                       |
|     |         | M <sub>N</sub>  | 10   | 42 | 22 |        |           |       |          |                       |
|     |         | F <sub>E</sub>  | 12   | 14 | 58 |        |           |       |          |                       |
| 8   | Mar. 19 | P               | —    |    |    |        |           | —     |          | P phase not distinct. |
|     |         | L <sub>N</sub>  | 2    | 42 | 41 |        |           |       |          |                       |
|     |         | F <sub>N</sub>  | 2    | 43 | 44 |        |           |       |          |                       |
| 9   | Mar. 24 | P               | 0    | 52 | 17 |        |           |       | 114      |                       |



Seismological Bulletin

1924

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|----------------|----------|-----------------|------|----|----|--------|----------------|----------------|----------|------------------------------|------|-----------|
|                |          |                 | G.   | M. | T. |        | A <sub>E</sub> | A <sub>N</sub> |          |                              |      |           |
|                |          |                 | h    | m  | s  | s      | $\mu$          | $\mu$          | km.      |                              |      |           |
|                |          | L               | 0    | 52 | 32 | 0.5    |                | +37            |          |                              |      |           |
|                |          | M               | 0    | 54 | 32 |        |                |                |          |                              |      |           |
|                |          | F               | 0    | 56 | 16 |        |                |                |          |                              |      |           |
| 10             | April 1  | P <sub>N</sub>  | 6    | 03 | 55 |        |                |                | 243      |                              |      |           |
|                |          | L <sub>N</sub>  | 6    | 04 | 28 |        |                |                |          |                              |      |           |
|                |          | F <sub>N</sub>  | 6    | 07 | 38 |        |                |                |          |                              |      |           |
| 11             | April 3  | P <sub>N</sub>  | 2    | 32 | 06 |        |                |                | 749      |                              |      |           |
|                |          | L <sub>N</sub>  | 2    | 33 | 47 |        |                |                |          |                              |      |           |
|                |          | F <sub>N</sub>  | 2    | 37 | 16 |        |                |                |          |                              |      |           |
| 12             | April 15 | P <sub>N</sub>  | 16   | 26 | 22 |        |                |                | 2597     | Distant earthquake.          |      |           |
|                |          | L <sub>N</sub>  | 16   | 31 | 09 |        |                |                |          |                              |      |           |
|                |          | M <sub>1N</sub> | 16   | 32 | 00 |        |                |                |          |                              | 17.8 | $\pm 875$ |
|                |          | M <sub>2N</sub> | 16   | 34 | 00 |        |                |                |          |                              | 16.8 | +769      |
|                |          | M <sub>3N</sub> | 16   | 37 | 30 |        |                |                |          |                              | 19.8 | $\pm 833$ |
| F <sub>N</sub> | 17       | 20              | 51   |    |    |        |                |                |          |                              |      |           |
| 13             | April 25 | eP <sub>E</sub> | 18   | 07 | 18 |        |                |                | 972      |                              |      |           |
|                |          | L <sub>E</sub>  | 18   | 09 | 29 |        |                |                |          |                              |      |           |
|                |          | F <sub>E</sub>  | 18   | 30 | 28 |        |                |                |          |                              |      |           |
| 14             | April 28 | P <sub>N</sub>  | 5    | 12 | 19 |        |                |                | 164      |                              |      |           |
|                |          | L <sub>N</sub>  | 5    | 12 | 41 |        |                |                |          |                              |      |           |
|                |          | F <sub>N</sub>  | 5    | 14 | 32 |        |                |                |          |                              |      |           |
| 15             | May 4    | eP <sub>E</sub> | 17   | 02 | 30 |        |                |                | 4173     | Distant earthquake.          |      |           |
|                |          | eL <sub>E</sub> | 17   | 11 | 18 |        |                |                |          |                              |      |           |
|                |          | F <sub>E</sub>  |      | —  |    |        |                |                |          |                              |      |           |
| 16             | May 6    | P <sub>N</sub>  | 16   | 14 | 06 |        |                |                | 2283     | Near the Philippine islands. |      |           |
|                |          | eL <sub>N</sub> | 16   | 18 | 05 |        |                |                |          |                              |      |           |
|                |          | F <sub>N</sub>  | 16   | 37 | 57 |        |                |                |          |                              |      |           |
| 17             | May 10   | P               |      | —  |    |        |                |                | —        |                              |      |           |
|                |          | eL <sub>E</sub> | 3    | 23 | 39 |        |                |                |          |                              |      |           |
|                |          | F <sub>E</sub>  | 3    | 44 | 48 |        |                |                |          |                              |      |           |
| 18             | May 11   | P               |      | —  |    |        |                |                | —        |                              |      |           |
|                |          | eL <sub>E</sub> | 15   | 58 | 52 |        |                |                |          |                              |      |           |
|                |          | F <sub>E</sub>  | 16   | 28 | 58 |        |                |                |          |                              |      |           |



| No. | Date    | Phase           | Time |    |    | Period | Amplitude      |                | $\Delta$ | Remarks                                   |
|-----|---------|-----------------|------|----|----|--------|----------------|----------------|----------|---|
|     |         |                 | G.   | M. | T. |        | A <sub>E</sub> | A <sub>N</sub> |          |   |
|     |         |                 | h    | m  | s  | s      | $\mu$          | $\mu$          | km.      |   |
| 19  | May 17  | P               |      | —  |    |        |                |                | —        |   |
|     |         | eL <sub>E</sub> | 6    | 08 | 49 |        |                |                |          |   |
|     |         | F <sub>E</sub>  | 6    | 51 | 46 |        |                |                |          |   |
| 20  | May 23  | eP              | 4    | 38 | 01 |        |                |                | 608      |   |
|     |         | eL              | 4    | 39 | 23 |        |                |                |          |   |
|     |         | M <sub>E</sub>  | 4    | 39 | 54 | 10.7   | —60            |                |          |   |
|     |         | F               | 4    | 56 | 57 |        |                |                |          |   |
| 21  | May 27  | P <sub>N</sub>  | 9    | 57 | 09 |        |                |                | 15       | Slight local tremor.                      |
|     |         | L <sub>N</sub>  | 9    | 57 | 11 |        |                |                |          |   |
|     |         | M <sub>N</sub>  | 9    | 57 | 11 | 0.6    | +9             |                |          |   |
|     |         | F <sub>N</sub>  | 9    | 57 | 47 |        |                |                |          |   |
| 22  | May 28  | P               | 9    | 55 | 43 |        |                |                | 1936     |   |
|     |         | L               | 9    | 58 | 49 |        |                |                |          |   |
|     |         | M <sub>E</sub>  | 10   | 01 | 20 | 15.4   | —105           |                |          |   |
|     |         | F               | 10   | 30 | 54 |        |                |                |          |   |
| 23  | May 31  | P               | 12   | 05 | 48 |        |                |                | 1740     | Far eastern off<br>Kasima-Nada.           |
|     |         | L               | 12   | 08 | 24 |        |                |                |          |   |
|     |         | F               |      | —  |    |        |                |                |          |   |
| 24  | May 31  | P               |      | —  |    |        |                |                | —        | Ditto.                                    |
|     |         | L               | 12   | 32 | 30 |        |                |                |          |   |
|     |         | F               | 13   | 13 | 48 |        |                |                |          |   |
| 25  | June 6  | P <sub>N</sub>  | 9    | 18 | 48 |        |                |                | 156      |   |
|     |         | L <sub>N</sub>  | 9    | 19 | 09 |        |                |                |          |   |
|     |         | F <sub>N</sub>  | 9    | 21 | 41 |        |                |                |          |   |
| 26  | June 20 | P <sub>N</sub>  | 19   | 52 | 29 |        |                |                | 119      | In the western part of the<br>Inland sea. |
|     |         | L <sub>N</sub>  | 19   | 52 | 45 |        |                |                |          |   |
|     |         | F <sub>N</sub>  | 19   | 54 | 15 |        |                |                |          |   |
| 27  | June 22 | P               | 0    | 46 | 52 |        |                |                | 134      |   |
|     |         | L               | 0    | 47 | 10 |        |                |                |          |   |
|     |         | M               | 0    | 47 | 12 | 0.6    | +39            |                |          |   |
|     |         | F               | 0    | 52 | 22 |        |                |                |          |   |
| 28  | June 26 | P               | 1    | 50 | 12 |        |                |                | 8222     | Distant earthquake.                       |
|     |         | S               | 2    | 02 | 01 |        |                |                |          |   |



Seismological Bulletin

1924



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|----------------|---------|-----------------|---------|-----------------|----|--------|----------------|----------------|------|---------------------------|------|-------|
|                |         |                 | G.      | M.              | T. |        | A <sub>E</sub> | A <sub>N</sub> |      |                           |      |       |
|                |         |                 | h       | m               | s  | s      | μ              | μ              | km.  |                           |      |       |
| 29             | June 30 | L               | 2       | 09              | 19 | 27.2   | -600           |                | 122  |                           |      |       |
|                |         | M <sub>E</sub>  | 2       | 18              | 00 |        |                |                |      |                           |      |       |
|                |         | F               |         | —               |    |        |                |                |      |                           |      |       |
|                |         | P <sub>N</sub>  | 9       | 03              | 51 |        |                |                |      |                           |      |       |
|                |         | L <sub>N</sub>  | 9       | 04              | 08 |        |                |                |      |                           |      |       |
| 30             | June 30 | F <sub>N</sub>  | 9       | 07              | 08 |        |                |                | 119  |                           |      |       |
|                |         | P               | 9       | 09              | 57 |        |                |                |      |                           |      |       |
|                |         | L               | 9       | 10              | 13 |        |                |                |      |                           |      |       |
|                |         | M <sub>N</sub>  | 9       | 10              | 15 |        |                |                |      |                           |      |       |
| 31             | June 30 | F               | 9       | 17              | 30 |        |                |                | 1943 | SE off the cape of Erimo. |      |       |
|                |         | P               | 15      | 48              | 16 |        |                |                |      |                           |      |       |
|                |         | L               | 15      | 51              | 23 |        |                |                |      |                           |      |       |
|                |         | M <sub>E</sub>  | 15      | 53              | 40 |        |                |                |      |                           | 26.8 | +458  |
|                |         | M <sub>N</sub>  | 15      | 54              | 41 |        |                |                |      |                           | 11.7 | -77   |
| 32             | July 3  | F               | 17      | 28              | 42 |        |                |                | 5305 | Distant earthquake.       |      |       |
|                |         | P <sub>E</sub>  | 4       | 47              | 40 |        |                |                |      |                           |      |       |
|                |         | S <sub>E</sub>  | 4       | 53              | 31 |        |                |                |      |                           |      |       |
|                |         | L <sub>E</sub>  | 4       | 59              | 21 |        |                |                |      |                           |      |       |
|                |         | M <sub>1E</sub> | 5       | 01              | 34 |        |                |                |      |                           | 20.4 | +1025 |
|                |         | M <sub>2E</sub> | 5       | 03              | 54 |        |                |                |      |                           | 23.7 | -735  |
| 33             | July 7  | F <sub>E</sub>  | 6       | 33              | 57 |        |                |                | —    | Ditto.                    |      |       |
|                |         | P               |         | —               |    |        |                |                |      |                           |      |       |
|                |         | L <sub>E</sub>  | 3       | 13              | 52 |        |                |                |      |                           |      |       |
| 34             | July 11 | F <sub>E</sub>  | 3       | 52              | 42 |        |                |                | 4840 | Ditto.                    |      |       |
|                |         | P               |         | —               |    |        |                |                |      |                           |      |       |
|                |         | L               | 20      | 02              | 37 |        |                |                |      |                           |      |       |
|                |         | M <sub>1E</sub> | 20      | 06              | 54 |        |                |                |      |                           | 16.3 | -355  |
|                |         | M <sub>1N</sub> | 20      | 06              | 48 |        |                |                |      |                           | 15.4 | -333  |
|                |         | M <sub>2E</sub> | 20      | 09              | 12 |        |                |                |      |                           | 16.3 | -420  |
|                |         | M <sub>2N</sub> | 20      | 09              | 35 |        |                |                |      |                           | 14.4 | +327  |
|                |         | C <sub>E</sub>  | 20      | 15              | 53 |        |                |                |      |                           |      |       |
|                |         | F               | 20      | 46              | 01 |        |                |                |      |                           |      |       |
|                |         | 35              | July 12 | eP <sub>E</sub> | 15 |        |                |                |      |                           | 27   | 55    |
| L <sub>E</sub> | 15      |                 |         | 39              | 51 |        |                |                |      |                           |      |       |



## Seismological Bulletin

1924

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|-----|---------|-----------------|------|----|----|--------|-----------|-------|----------|--|
|     |         |                 | G.   | M. | T. |        | AE        | AN    |          |  |
|     |         |                 | h    | m  | s  | s      | $\mu$     | $\mu$ | km.      |  |
| 36  | July 22 | M <sub>1E</sub> | 15   | 41 | 46 | 15.3   | -68       |       | 91       | Slight shock felt at Omuta,<br>Hukuoka prefecture. |
|     |         | M <sub>2E</sub> | 15   | 43 | 08 | 15.0   | +75       |       |          |  |
|     |         | F               | 16   | 24 | 20 |        |           |       |          |  |
|     |         | P               | 12   | 42 | 51 |        |           |       |          |  |
|     |         | L               | 12   | 43 | 04 |        |           |       |          |  |
|     |         | M <sub>1N</sub> | 12   | 43 | 05 | 0.5    |           | +27   |          |  |
|     |         | M <sub>2N</sub> | 12   | 43 | 10 | 0.5    |           | -24   |          |  |
| 37  | July 22 | P               | 14   | 26 | 53 |        |           |       | 2067     | Distant earthquake.                                |
|     |         | L               | 14   | 30 | 18 |        |           |       |          |  |
|     |         | M <sub>1E</sub> | 14   | 31 | 48 | 18.3   | +245      |       |          |  |
|     |         | M <sub>2E</sub> | 14   | 32 | 56 | 17.3   | +263      |       |          |  |
|     |         | F               | 15   | 16 | 43 |        |           |       |          |  |
| 38  | July 31 | P <sub>N</sub>  | 12   | 58 | 10 |        |           |       | 107      |  |
|     |         | L <sub>N</sub>  | 12   | 58 | 25 |        |           |       |          |  |
|     |         | F <sub>N</sub>  | 13   | 00 | 10 |        |           |       |          |  |
| 39  | Aug. 3  | P <sub>E</sub>  | 11   | 03 | 22 |        |           |       | 4932     | Distant earthquake.                                |
|     |         | L <sub>E</sub>  | 11   | 14 | 06 |        |           |       |          |  |
|     |         | M <sub>E</sub>  | 11   | 15 | 11 | 23.0   | -445      |       |          |  |
|     |         | F <sub>E</sub>  |      |    |    |        |           |       |          |  |
| 40  | Aug. 6  | P <sub>N</sub>  | 14   | 24 | 44 |        |           |       | 794      |  |
|     |         | L <sub>N</sub>  | 14   | 26 | 31 |        |           |       |          |  |
|     |         | M <sub>N</sub>  | 14   | 27 | 13 | 3.3    |           | -167  |          |  |
|     |         | F <sub>N</sub>  | 14   | 32 | 33 |        |           |       |          |  |
| 41  | Aug. 12 | P               | 18   | 19 | 56 |        |           |       | 432      |  |
|     |         | L               | 18   | 20 | 54 |        |           |       |          |  |
|     |         | M <sub>N</sub>  | 18   | 21 | 06 | 5.8    |           | -92   |          |  |
|     |         | F               | 18   | 28 | 14 |        |           |       |          |  |
| 42  | Aug. 13 | P <sub>N</sub>  | 0    | 34 | 35 |        |           |       | 445      |  |
|     |         | L <sub>N</sub>  | 0    | 35 | 35 |        |           |       |          |  |
|     |         | F <sub>N</sub>  | 0    | 39 | 37 |        |           |       |          |  |
| 43  | Aug. 14 | P <sub>E</sub>  | 18   | 04 | 59 |        |           |       | 1695     |  |
|     |         | L <sub>E</sub>  | 18   | 07 | 28 |        |           |       |          |  |
|     |         | M <sub>1E</sub> | 18   | 08 | 33 | 20.6   | -493      |       |          |  |



# Seismological Bulletin

1924

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|-----|---------|-----------------|------|----|----|--------|-----------|------|------|---------------------|
|     |         |                 | G.   | M. | T. |        | AE        | AN   |      |                     |
|     |         |                 | h    | m  | s  | s      | μ         | μ    | km.  |                     |
| 44  | Aug. 15 | M <sub>2E</sub> | 18   | 09 | 06 | 16.0   | -493      |      | 1688 |                     |
|     |         | M <sub>3E</sub> | 18   | 11 | 15 | 20.9   | -560      |      |      |                     |
|     |         | M <sub>4E</sub> | 18   | 14 | 00 | 16.4   | -473      |      |      |                     |
|     |         | F <sub>E</sub>  | 20   | 49 | 11 |        |           |      |      |                     |
|     |         | P               | 23   | 29 | 45 |        |           |      |      |                     |
|     |         | L               | 23   | 32 | 13 |        |           |      |      |                     |
|     |         | M <sup>1E</sup> | 23   | 33 | 58 | 17.4   | -130      |      |      |                     |
|     |         | M <sub>2E</sub> | 23   | 35 | 18 | 12.0   | -105      |      |      |                     |
|     |         | M <sub>N</sub>  | 23   | 33 | 25 | 4.4    |           | -25  |      |                     |
|     |         | F               | 0    | 33 | 28 |        |           |      |      |                     |
| 45  | Aug. 17 | P               | 1    | 48 | 20 |        |           |      | 1943 |                     |
|     |         | S               | 1    | 50 | 43 |        |           |      |      |                     |
|     |         | L               | 1    | 51 | 28 |        |           |      |      |                     |
|     |         | M <sub>E</sub>  | 1    | 52 | 25 | 17.4   | +95       |      |      |                     |
|     |         | F               |      |    |    |        |           |      |      |                     |
| 46  | Aug. 17 | eP              | 2    | 12 | 32 |        |           |      | 1891 |                     |
|     |         | S               | 2    | 15 | 04 |        |           |      |      |                     |
|     |         | L               | 2    | 15 | 32 |        |           |      |      |                     |
|     |         | M <sub>E</sub>  | 2    | 16 | 39 | 15.5   | +155      |      |      |                     |
|     |         | M <sub>N</sub>  | 2    | 16 | 22 | 5.8    |           | -60  |      |                     |
|     |         | F               | 3    | 40 | 52 |        |           |      |      |                     |
| 47  | Aug. 25 | P               | 14   | 33 | 22 |        |           |      | 1852 |                     |
|     |         | L               | 14   | 36 | 15 |        |           |      |      |                     |
|     |         | M <sub>E</sub>  | 14   | 39 | 13 | 15.4   | -205      |      |      |                     |
|     |         | M <sub>N</sub>  | 14   | 37 | 13 | 4.8    |           | +119 |      |                     |
|     |         | F               | 15   | 36 | 51 |        |           |      |      |                     |
| 48  | Aug. 28 | P               | 23   | 51 | 05 |        |           |      | 308  |                     |
|     |         | L               | 23   | 51 | 47 |        |           |      |      |                     |
|     |         | M <sub>N</sub>  | 23   | 51 | 49 | 1.5    |           | -290 |      |                     |
|     |         | F               | 0    | 04 | 12 |        |           |      |      |                     |
| 49  | Aug. 30 | P               | 3    | 10 | 27 |        |           |      | 2420 | Distant earthquake. |
|     |         | L               | 3    | 14 | 47 |        |           |      |      |                     |
|     |         | M <sup>1E</sup> | 3    | 17 | 07 | 25.1   | -1875     |      |      |                     |
|     |         | M <sub>1N</sub> | 3    | 18 | 05 | 15.6   |           | -100 |      |                     |
|     |         | M <sub>2E</sub> | 3    | 19 | 41 | 26.5   | -1688     |      |      |                     |



## Seismological Bulletin

1924

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|-----|----------|-----------------|------|----|----|--------|-----------|-------|----------|---------------------|
|     |          |                 | G.   | M. | T. |        | AE        | AN    |          |                     |
|     |          |                 | h    | m  | s  | s      | $\mu$     | $\mu$ | km.      |                     |
|     |          | M <sub>2N</sub> | 3    | 21 | 28 | 20.4   |           | +95   |          |                     |
|     |          | C <sub>E</sub>  | 3    | 23 | 05 | 19.4   | -413      |       |          |                     |
|     |          | F               | 4    | 57 | 46 |        |           |       |          |                     |
| 50  | Sept. 13 | eP <sub>E</sub> | 14   | 53 | 55 |        |           |       | 6554     | Distant earthquake. |
|     |          | L <sub>E</sub>  | 15   | 08 | 47 |        |           |       |          |                     |
|     |          | F <sub>E</sub>  | 16   | 23 | 06 |        |           |       |          |                     |
| 51  | Sept. 15 | P <sub>N</sub>  | 23   | 35 | 59 |        |           |       | 237      |                     |
|     |          | L <sub>N</sub>  | 23   | 36 | 31 |        |           |       |          |                     |
|     |          | F <sub>N</sub>  | 23   | 40 | 34 |        |           |       |          |                     |
| 52  | Sept. 18 | P               | 1    | 10 | 46 |        |           |       | 1005     | In the Kasima-Nada. |
|     |          | L               | 1    | 12 | 59 |        |           |       |          |                     |
|     |          | F               | 1    | 38 | 11 |        |           |       |          |                     |
| 53  | Sept. 18 | P               | —    | —  | —  |        |           |       | —        | Ditto.              |
|     |          | L <sub>N</sub>  | 2    | 58 | 31 |        |           |       |          |                     |
|     |          | F <sub>N</sub>  | 3    | 01 | 27 |        |           |       |          |                     |
| 54  | Sept. 23 | P               | —    | —  | —  |        |           |       | —        | Distant earthquake. |
|     |          | L               | 18   | 46 | 33 |        |           |       |          |                     |
|     |          | F               | —    | —  | —  |        |           |       |          |                     |
| 55  | Oct. 5   | P               | —    | —  | —  |        |           |       | —        |                     |
|     |          | L <sub>E</sub>  | 13   | 27 | 24 |        |           |       |          |                     |
|     |          | F <sub>E</sub>  | 13   | 37 | 24 |        |           |       |          |                     |
| 56  | Oct. 8   | P               | —    | —  | —  |        |           |       | —        | Distant earthquake. |
|     |          | eL              | 20   | 53 | 08 |        |           |       |          |                     |
|     |          | F               | —    | —  | —  |        |           |       |          |                     |
| 57  | Oct. 18  | P               | —    | —  | —  |        |           |       | —        |                     |
|     |          | L <sub>E</sub>  | 19   | 39 | 42 |        |           |       |          |                     |
|     |          | M <sub>E</sub>  | 19   | 39 | 47 | 21.1   | -95       |       |          |                     |
|     |          | F <sub>E</sub>  | 20   | 00 | 54 |        |           |       |          |                     |
| 58  | Oct. 21  | P <sub>E</sub>  | 19   | 58 | 58 |        |           |       | 5233     | Distant earthquake. |
|     |          | S <sub>E</sub>  | 20   | 04 | 27 |        |           |       |          |                     |
|     |          | L <sub>E</sub>  | 20   | 10 | 28 |        |           |       |          |                     |
|     |          | F <sub>E</sub>  | 21   | 46 | 07 |        |           |       |          |                     |
| 59  | Oct. 21  | P <sub>N</sub>  | 2    | 43 | 47 |        |           |       | 102      |                     |



Seismological Bulletin

1924

| No. | Date    | Phase          | Time |    |    | Period | Amplitude      |                | $\Delta$ | Remarks             |
|-----|---------|----------------|------|----|----|--------|----------------|----------------|----------|---------------------|
|     |         |                | G.   | M. | T. |        | A <sub>E</sub> | A <sub>N</sub> |          |                     |
|     |         |                | h    | m  | s  | s      | $\mu$          | $\mu$          | km.      |                     |
| 60  | Oct. 27 | LN             | 2    | 44 | 01 |        |                |                |          |                     |
|     |         | FN             | 2    | 45 | 14 |        |                |                |          |                     |
|     |         | P              |      | —  |    |        |                |                | —        |                     |
|     |         | LN             | 9    | 04 | 54 |        |                |                |          |                     |
|     |         | FN             | 9    | 05 | 45 |        |                |                |          |                     |
| 61  | Oct. 27 | P              |      | —  |    |        |                |                | —        | Distant earthquake. |
|     |         | L <sub>E</sub> | 20   | 07 | 06 |        |                |                |          |                     |
|     |         | F              | 21   | 53 | 59 |        |                |                |          |                     |
| 62  | Nov. 25 | P              | 17   | 30 | 14 |        |                |                | 1773     |                     |
|     |         | L              | 17   | 32 | 55 |        |                |                |          |                     |
|     |         | M <sub>N</sub> | 17   | 32 | 58 | 1.7    |                | +50            |          |                     |
|     |         | F              | 17   | 41 | 20 |        |                |                |          |                     |
| 63  | Dec. 26 | P <sub>N</sub> | 5    | 22 | 50 |        |                |                | 59       | Local shock.        |
|     |         | L <sub>N</sub> | 5    | 22 | 58 |        |                |                |          |                     |
|     |         | F <sub>N</sub> | 5    | 24 | 28 |        |                |                |          |                     |
| 64  | Dec. 27 | P              | 11   | 25 | 38 |        |                |                | 2917     | Distant earthquake. |
|     |         | S              | 11   | 28 | 29 |        |                |                |          |                     |
|     |         | L              | 11   | 31 | 14 |        |                |                |          |                     |
|     |         | M <sub>E</sub> | 11   | 32 | 35 | 14.0   |                | -85            |          |                     |
|     |         | F              | 12   | 16 | 54 |        |                |                |          |                     |
| 65  | Dec. 28 | P <sub>N</sub> | 22   | 59 | 02 |        |                |                | 2773     | Ditto.              |
|     |         | S <sub>N</sub> | 23   | 02 | 26 |        |                |                |          |                     |
|     |         | L <sub>N</sub> | 23   | 04 | 16 |        |                |                |          |                     |
|     |         | F <sub>N</sub> | 23   | 25 | 50 |        |                |                |          |                     |