

SEISMIC BULLETIN

Of the Meteorological Observatory of Ootomari,
 Karafuto, Japan,
 1926

$\varphi = 46^{\circ} 39' N$
 $\lambda = 142^{\circ} 46' EGr$

$h=35.7m$
 Underground: Tertiary

Instrument: Omori Horizontal Pendulum.

| | T_o | $\frac{r}{T_o^2}$ | V |
|-------|-------|-------------------|----|
| A_N | 30 | | 60 |
| A_E | 30 | | 20 |

Symbols and Notations.

- Phases of the Seismogram —
 - P = 1st Preliminary tremors.
 - S = 2nd " " "
 - L = Principal Phase, Long waves.
 - M = Max. Amplitude in Principal phase.
 - C = Prominent waves among after tremors.
 - F = End of perceptible movement.
- Nature of Motion —
 - i = abrupt commencement, clearly defined.
 - e = gradual commencement, not clearly defined.
 - A_E = E-W component of A, and takes as positive eastward.
 - A_N = N-S component of A, and takes as positive northward.
- Distance of epicenter
 - Δ is calculated by the Omori's Formula.

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| No. | Date. | Phase. | Time Greenwich. | | | Period. | Amplitude. | | Δ Km | Remarks. |
|-----|---------|--------|--------------------|----|----|---------|------------|---------|----------------|----------|
| | | | h | m | s | | AE μ | AN μ | | |
| 1 | 15 Jan. | P | 14 | 53 | 34 | | | | 244 | |
| | | L | | 54 | 3 | | | | | |
| | | M | | 54 | 8 | 2.7 | | - 85 | | |
| | | M | | 54 | 9 | 2.9 | - 130 | | | |
| | | C | | 56 | 11 | | | | | |
| | | F | 15 | 7 | 35 | | | | | |
| 2 | 25 Jan. | P | 0 | 46 | 6 | | | | 5596 | |
| | | S | | 53 | 26 | | | | | |
| | | L | | 58 | 31 | | | | | |
| | | M | 1 | 6 | 1 | 24.0 | | + 1050 | | |
| | | M | | 7 | 21 | 21.6 | - 1500 | | | |
| | | C | | 28 | 14 | | | | | |
| | | F | 3 | 44 | 20 | | | | | |
| 3 | 2 Feb. | P | 6 | 44 | 51 | | | | 628 | |
| | | L | | 46 | 12 | | | | | |
| | | F | 7 | 9 | 52 | | | | | |
| 4 | 5 Feb. | P | 2 | 15 | 42 | | | | 288 | |
| | | L | | 15 | 50 | | | | | |
| | | F | 2 | 23 | 23 | | | | | |
| 5 | 6 Feb. | P | 8 | 51 | 8 | | | | 556 | |
| | | L | | 52 | 19 | | | | | |
| | | F | 9 | 4 | 26 | | | | | |
| 6 | 17 Feb. | P | 10 | 42 | 50 | | | | 355 | |
| | | L | | 48 | 37 | | | | | |
| | | F | 10 | 57 | 17 | | | | | |
| 7 | 4 Mar. | P | 9 | 39 | 6 | | | | 4553 | |
| | | S | | 45 | 32 | | | | | |
| | | L | | 48 | 52 | | | | | |
| | | M | | 54 | 12 | 23.1 | | - 77 | | |
| | | F | 10 | 14 | 35 | | | | | |
| | | | | | | | | | | |
| 8 | 8 Mar. | P | 20 | 23 | 4 | | | | 692 | |
| | | L | | 24 | 34 | | | | | |
| | | M | | 25 | 44 | 21.3 | | + 155 | | |

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| No. | Date. | Phase. | Time | | | Period. | Amplitude. | | Δ Km | Remarks. |
|-----|---------|--------|------|----|-----------------|--------------|---------------------|---------------------|----------------|----------|
| | | | h | m | s | | ΔE μ | ΔN μ | | |
| 9 | 18 Mar. | C | | 29 | 40 | 26.7 | + 143 | 4613 | | |
| | | F | 20 | 59 | 5 | | | | | |
| | | P | 14 | 18 | 15 | | | | | |
| | | S | | 24 | 35 | | | | | |
| | | L | | 28 | 10 | | | | | |
| | | M | | 52 | 24 | | | | | |
| 10 | 19 Mar. | C | | 57 | 41 | | | 489 | | |
| | | F | 15 | 25 | 30 | | | | | |
| | | P | 20 | 34 | 5 | | | | | |
| 11 | 24 Mar. | L | | 35 | 7 | | | 416 | | |
| | | F | 20 | 48 | 32 | | | | | |
| | | eP | 11 | 22 | 36 | | | | | |
| 12 | 25 Mar. | L | | 23 | 28 | | | 463 | | |
| | | F | 11 | 34 | 14 | | | | | |
| | | P | 13 | 19 | 39 | | | | | |
| | | L | | 20 | 38 | | | | | |
| 13 | 27 Mar. | C | | 25 | 55 | 20.7 18.2 | - 308 - 490 | 6389 | | |
| | | F | 13 | 48 | 6 | | | | | |
| | | P | 10 | 58 | 5 | | | | | |
| | | S | 11 | 6 | 11 | | | | | |
| | | L | | 12 | 32 | | | | | |
| | | M | | 16 | 4 | | | | | |
| 14 | 1 Apr. | M | | 16 | 5 | | | 31 | | |
| | | C | | 23 | 5 | | | | | |
| | | F | 12 | 0 | 34 | | | | | |
| 15 | 6 Apr. | P | 16 | 5 | 24 | 18.4 | - 220 | 592 | | |
| | | L | | 5 | 38 | | | | | |
| | | F | 16 | 28 | 00 | | | | | |
| 15 | 6 Apr. | P | 19 | 33 | 46 | 18.4 | - 220 | 592 | | |
| | | L | | 35 | 2 | | | | | |
| | | M | | 35 | 58 | | | | | |
| | | C | | 39 | 23 | | | | | |
| | | F | 20 | 0 | 02 ⁵ | | | | | |

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| No. | Date. | Phase. | Time Greenwich. | | | Period. | Amplitude. | | Δ Km | Remarks. |
|-----|---------|--------|--------------------|----|----|---------|-------------|-------------|----------------|----------|
| | | | h | m | s | | AE μ | AN μ | | |
| 16 | 12 Apr. | P | 8 | 42 | 34 | 24.2 | | -1242 | 5199 | |
| | | S | | 50 | 39 | | | | | |
| | | L | | 53 | 59 | | | | | |
| | | M | 9 | 2 | 50 | | | | | |
| | | C | | 18 | 1 | | | | | |
| F | 10 | 28 | 46 | | | | | | | |
| 17 | 7 May | P | 6 | 15 | 4 | 17.1 | | + 100 | 2496 | |
| | | L | | 19 | 35 | | | | | |
| | | M | | 22 | 48 | | | | | |
| | | C | | 28 | 50 | | | | | |
| | | F | 7 | 39 | 8 | | | | | |
| 18 | 22 May | P | 7 | 40 | 10 | | | | 455 | |
| | | L | | 40 | 57 | | | | | |
| | | F | | | | | | | | |
| 19 | 22 May | P | 7 | 46 | 43 | | | | 418 | |
| | | L | | 47 | 36 | | | | | |
| | | F | 7 | 56 | 36 | | | | | |
| 20 | 26 May | P | 19 | 46 | 25 | | | | 204 | |
| | | L | | 46 | 48 | | | | | |
| | | C | | 52 | 47 | | | | | |
| | | F | 20 | 2 | 7 | | | | | |
| 21 | 4 June | P | 15 | 8 | 31 | | | | 350 | |
| | | L | | 9 | 14 | | | | | |
| | | F | 15 | 20 | 17 | | | | | |
| 22 | 26 June | P | 19 | 58 | 41 | | | | 4681 | |
| | | L | 20 | 8 | 47 | | | | | |
| | | F | 21 | 5 | 33 | | | | | |
| 23 | 29 June | P | 14 | 31 | 54 | | | | 2254 | |
| | | L | | 35 | 49 | | | | | |
| | | M | | 36 | 4 | | | | | |
| | | C | | 45 | 57 | | | | | |
| | | F | 15 | 8 | 8 | | | | | |

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| No. | Date. | Phase. | Time | | | Period. | Amplitude. | | Δ Km | Remarks. |
|-----|---------|--------|------------|----|----|--------------|-------------|-------------|----------------|----------|
| | | | Greenwich. | | | | AE μ | AN μ | | |
| | | | h | m | s | | | | | |
| 24 | 26 July | P | 18 | 57 | 36 | 3.8 | | - 22 | 648 | |
| | | L | | 59 | 00 | | | | | |
| | | M | | 59 | 53 | | | | | |
| | | C | 19 | 3 | 55 | | | | | |
| | | F | 19 | 13 | 53 | | | | | |
| 25 | 2 Aug | eP | 5 | 8 | 44 | | | | 3625 | |
| | | L | | 16 | 8 | | | | | |
| | | F | 5 | 54 | 15 | | | | | |
| 26 | 3 Aug | P | 3 | 47 | 52 | | | | 2551 | |
| | | L | | 52 | 32 | | | | | |
| | | F | 4 | 40 | 39 | | | | | |
| 27 | 9 Aug | P | 3 | 45 | 15 | | | | 2589 | |
| | | L | | 50 | 00 | | | | | |
| | | F | 4 | 18 | 54 | | | | | |
| 28 | 9 Aug | eP | 14 | 21 | 43 | | | | | |
| | | F | 14 | 59 | 5 | | | | | |
| 29 | 4 Aug | P | 15 | 38 | 3 | 24.4 15.0 | +1000 | +1068 | 599 | |
| | | L | | 39 | 20 | | | | | |
| | | M | | 39 | 39 | | | | | |
| | | M | | 40 | 6 | | | | | |
| | | C | | 50 | 40 | | | | | |
| | | F | 16 | 9 | 11 | | | | | |
| 30 | 7 Sept | P | 12 | 32 | 7 | | | | 3588 | |
| | | S | | 34 | 50 | | | | | |
| | | L | | 39 | 25 | | | | | |
| | | F | 13 | 6 | 41 | | | | | |
| 31 | 10 Sept | P | 10 | 44 | 45 | 21.7 | | - 92 | 5916 | |
| | | S | | 53 | 6 | | | | | |
| | | L | | 58 | 0 | | | | | |
| | | M | 11 | 11 | 24 | | | | | |
| | | C | | 15 | 47 | | | | | |
| | | F | 12 | 14 | 53 | | | | | |

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| No. | Date. | Phase. | Time | | | Period. | Amplitude. | | Δ Km | Remarks. |
|-----|---------|--------|------------|----|----|---------|------------|---------|---------|----------|
| | | | Greenwich. | | | | AE μ | AN μ | | |
| | | | h | m | s | | | | | |
| 32 | 16 Sept | P | 18 | 9 | 5 | | | | 3834 | |
| | | S | | 12 | 33 | | | | | |
| | | L | | 17 | 2 | | | | | |
| | | M | | 27 | 53 | 16.8 | + 980 | | | |
| | | M | | 28 | 4 | 18.0 | | - 433 | | |
| | | C | 18 | 39 | 25 | | | | | |
| F | 20 | 7 | 11 | | | | | | | |
| 33 | 3 Oct | P | 8 | 30 | 82 | | | | 830 | |
| | | L | | 32 | 21 | | | | | |
| | | M | | 33 | 22 | 14.9 | | + 42 | | |
| | | C | | 38 | 8 | | | | | |
| | | F | 8 | 58 | 8 | | | | | |
| 34 | 3 Oct | P | 20 | 1 | 00 | | | | 732 | |
| | | L | | 2 | 35 | | | | | |
| | | M | | 28 | 24 | 28.6 | | + 130 | | |
| | | C | | 35 | 16 | | | | | |
| | | F | 21 | 19 | 17 | | | | | |
| 35 | 13 Oct | P | 6 | 7 | 48 | | | | 2466 | |
| | | L | | 12 | 15 | | | | | |
| | | C | | 22 | 42 | | | | | |
| | | F | 6 | 39 | 18 | | | | | |
| 36 | 13 Oct | P | 19 | 14 | 8 | | | | 2660 | |
| | | L | | 19 | 5 | | | | | |
| | | M | | 22 | 16 | 22.6 | | - 663 | | |
| | | M | | 24 | 25 | 23.1 | - 500 | | | |
| | | C | | 45 | 50 | | | | | |
| | | F | 20 | 38 | 34 | | | | | |
| 37 | 26 Oct | P | 3 | 53 | 33 | | | | 3502 | |
| | | L | 4 | 0 | 38 | | | | | |
| | | M | | 4 | 59 | 22.9 | | + 615 | | |
| | | C | | 18 | 12 | | | | | |
| | | F | 4 | 28 | 50 | | | | | |
| 38 | 2 Nov | P | 19 | 48 | 5 | | | | 721 | |
| | | L | | 49 | 36 | | | | | |

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| No. | Date. | Phase. | Time Greenwich. | | | Period. | Amplitude. | | Δ Km | Remarks. |
|-----|-------|--------|--------------------|----|----|---------|---|---------|----------------|----------|
| | | | h | m | s | | AE μ | AN μ | | |
| 39 | 2 Nov | C | | 55 | 20 | 17.8 |  | + 133 | 681 | |
| | | F | 20 | 21 | 0 | | | | | |
| | | P | 21 | 11 | 33 | | | | | |
| | | L | | 13 | 1 | | | | | |
| | | M | | 14 | 8 | | | | | |
| | | C | | 23 | 29 | | | | | |
| F | 21 | 52 | 38 | | | | | | | |