

1927, January

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^{\circ} 49' 49''$ S.

$\lambda = 151^{\circ} 9' 30''$ E.

$h = 41.9$ m.

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{F}{T^2}$ |
|--------------------|-----|----------------|--------------|-----------------|
| A _N (1) | 158 | 7.6 | 4.5 | 0.53 |
| A _E (1) | 167 | 7.5 | 5.0 | 0.02 |
| A _E (3) | - | - | - | - |
| A _Z (2) | 52 | 5.4 | 3.7 | 0.037 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|-------------|---|------------------|------|----|---------|----------------------|----------------------|----------------------|-----------------|-----------------------------|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 1 | 1927 Jan. 5 | eP iS eL ME MN | 13 | 29 | 00 | 4 | | | | 2520 (22.7°) | |
| 2 | " 7 | F e eL ME1 MN ME2 | 13 | 55 | 15 | 15 | 3 | 8 | | | |
| 3 | " 12 | F e M F | 2 | 20 | | | | 23 | | | |
| 4 | " 12 | e(P?) e(S?) | 14 | 31.5 | | | | | | | A few long waves. |
| | | eL ME MN | 14 | 50 | 12 | 12 | 1 | 2 | | | |
| 5 | " 21 | F e eL ME | 21 | 40 | 36 | 27 | 16 | | | | |
| 6 | " 24 | 1P PR1 PR2 PR3 iS SR1 ME1 MZ1 MN1 MN2 ME2 MZ2 MN3 MN4 ME3 MN5 ME4 | 9 | 40 | 20 | 20 | 8 | | | | |
| | | | 11 | 01 | 6 | 19 | -2 | +3 | | 2600 (23.4°) | New Hebrides: 0, 1 05 15 |
| | | | 11 | 09 | 6 | 29 | 24 | 18 | | | |
| | | | 11 | 17 | 6 | 38 | 30 | 32 | | | |
| | | | 14 | 37 | 10 | 38 | 65 | 27 | | | |
| | | | 15 | 01 | 8 | -120 | | | | | |
| | | | 15 | 27 | 6 | 170 | 290 | 96 | | | |
| | | | 17 | 22 | 20 | 100 | | | | | |
| | | | 17 | 39 | 18 | | 620 | | | | |
| | | | 17 | 51 | 18 | | | 410 | | | |
| | | | 19 | 46 | 16 | 800 | | | | | |
| | | | 20 | 53 | 16 | 470 | | | | | |
| | | | 21 | 20 | 14 | | 240 | | | | |
| | | | 21 | 33 | 14 | | | 110 | | | |
| | | | 23 | 48 | 14 | 255 | | | | | |
| | | | 23 | 37 | 16 | 190 | | | | | |
| | | | 30 | 38 | 12 | | 250 | | | | |
| | | | 31 | 09 | 12 | 140 | | | | | |
| | | | | | | 145 | 80 | | | | |

(Continued on next page)

No.1 (continued)

1927, January.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time | | | Per. | Amplitude. | | | Δ km. | Remarks. | | |
|-----------------|-----------------|--|-------------|------|----|------|------------|-------|-------|-----------------|-------------|-----------------|---------------|
| | | | (Greenwich) | | | | A_N | A_E | A_Z | | | | |
| | | | h. | m. | s. | s. | μ | μ | μ | | | | |
| 6 (Con.) | 1927 Jan. 24 | ME ₅ | 1 | 34 | 50 | 12 | | 105 | | | | | |
| | | CN ₁ | | 48 | 01 | 12 | | 24 | | | | | |
| | | CE ₁ | | 52 | 15 | 12 | | | 26 | | | | |
| | | CN ₂ | | 54 | 42 | 12 | | 24 | | | | | |
| | | CE ₂ | | 58 | 22 | 12 | | | 18 | | | | |
| | | CE ₃ | 2 | 01 | 46 | 12 | | | 16 | | | | |
| | | CN ₃ | | 02 | 08 | 12 | | 30 | | | | | |
| | | W ₂ series ew ₂ | | 08.3 | ? | | | | | | | | |
| | | ME | | 13 | 01 | 16 | | | 5 | | | | |
| | | MN | | 17 | 08 | 16 | | 2 | | | | | |
| | | F | 5 | 15 | | | | | | | | | |
| | | 7 | " 24 | eP | 6 | 47 | 18 | 4 | | | | 2530 (22.8°) | New Hebrides. |
| iS | | | | 51 | 17 | 8 | | -12 | +5 | | | | |
| | | | | 51 | 25 | 8 | | 22 | 22 | | | | |
| eL | | | | 52.5 | | 24? | | | | | | | |
| MN ₁ | | | | 53 | 36 | 20 | | 89 | | | | | |
| ME ₁ | | | | 53 | 44 | 20 | | | 40 | | | | |
| MN ₂ | | | | 54 | 21 | 16 | | 100 | | | | | |
| ME ₂ | | | | 55 | 07 | 16 | | | 84 | | | | |
| MN ₃ | | | | 55 | 50 | 15 | | 72 | | | | | |
| ME ₃ | | | | 56 | 26 | 16 | | | 53 | | | | |
| ME ₄ | | | | 58 | 27 | 14 | | | 29 | | | | |
| MN ₄ | | | | 59 | 28 | 14 | | 42 | | | | | |
| F ₄ | | lost in | No. | 8 | | | | | | | | | |
| 8 | " 24 | e | 8 | 23.6 | | | | | | | Very small. | | |
| | | eL | | 27.2 | | 30 | | | | | | | |
| | | ME | | 28 | 59 | 20 | | | 4 | | | | |
| | | MN | | 30 | 02 | 20 | | 4 | | | | | |
| | | F | 9 | 25 | | | | | | | | | |
| 9 | " 25 | eP | 7 | 57 | 38 | | | | | 2610 (23.4°) | | | |
| | | iS | 8 | 01 | 43 | 8 | +10 | +6 | | | | | |
| | | eL | | 03.5 | | 28 | | | | | | | |
| | | MN ₁ | | 04 | 11 | 18 | | 12 | | | | | |
| | | ME ₁ | | 05 | 38 | 16 | | | 14 | | | | |
| | | MN ₂ | | 06 | 09 | 16 | | 12 | | | | | |
| | | ME ₂ | | 09 | 26 | 14 | | | 11 | | | | |
| | | MN ₃ | | 09 | 37 | 15 | | 6 | | | | | |
| F | 9 | 10 | | | | | | | | | | | |
| 10 | " 25 | eP | 23 | 15 | 29 | 4? | | | | 2610 (23.4°) | | | |
| | | PR ₁ | | 15 | 53 | 4 | | | 2 | | | | |
| | | PR ₂ | | 16 | 02 | 4 | | | 8 | | | | |
| | | | | 16 | 14 | 8 | | 5 | 7 | | | | |
| | | iS | | 19 | 35 | 7 | | -7 | -14 | | | | |
| | | | | 19 | 41 | 7 | | 50 | 29 | | | | |
| | | | | 20 | 53 | 6 | | 23 | | | | | |
| | | eL | | 21.1 | | 24 | | | | | | | |
| | | MZ | | 21 | 57 | 18 | | | | 30 | | | |
| | | ME ₁ | | 22 | 37 | 18 | | | 62 | | | | |
| | | MN ₁ | | 22 | 54 | 14 | | 68 | | | | | |
| | | MN ₂ | | 24 | 38 | 12 | | 72 | | | | | |
| ME ₂ | | 24 | 56 | 12 | | | 49 | | | | | | |
| MN ₃ | | 26 | 51 | 12 | | 53 | | | | | | | |
| ME ₃ | | 27 | 38 | 12 | | | 40 | | | | | | |
| MN ₄ | | 32 | 32 | 12 | | 36 | | | | | | | |
| MN ₅ | | 35 | 47 | 12 | | 36 | | | | | | | |
| ME ₄ | | 36 | 43 | 12 | | | 38 | | | | | | |
| F | 1 | 25 | | | | | | | | | | | |

(Continued on next sheet.)

No. 1 (continued)

1927, January.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|-----------------|-----------------|---------------------|------|----|------------|----------------|----------------|----------------|-----------------|-------------------|
| | | | h. | m. | s. | | A_N μ | A_E μ | A_Z μ | | |
| 11 | 1927 Jan. 26 | e | 5 | 04.4 | | | | | | | |
| | | MN | | 09 | 11 | 11 | 1 | | | | |
| | | ME | | 11 | 27 | 11 | | 2 | | | |
| | | F | 6 | 20 | | | | | | | |
| 12 | 26 | eP | 11 | 11 | 47 | | | | 2530 | | |
| | | eS | | 15 | 47 | 6 | | | (22.6°) | | |
| | | MN | | 18 | 11 | 16 | 12 | | | | |
| | | ME | | 18 | 39 | 16 | | 7 | | | |
| | | F | 12 | 00 | | | | | | | |
| 13 | 26 | eP | 15 | 41 | 19 | 3 | $\frac{1}{2}$ | $\frac{1}{2}$ | 2560 | | |
| | | iS | | 45 | 21 | 8 | -12 | -9 | (23.0°) | | |
| | | eL | | 46.6 | | 20 | | | | | |
| | | MN ₁ | | 47 | 37 | 20 | 74 | | | | |
| | | ME ₁ | | 47 | 41 | 20 | | 70 | | | |
| | | ME ₂ | | 49 | 33 | 16 | | 36 | | | |
| | | MN ₂ | | 50 | 04 | 16 | 25 | | | | |
| | | MN ₃ | | 52 | 50 | 12 | 23 | | | | |
| | | ME ₃ | | 53 | 11 | 12 | | 17 | | | |
| | | MN ₄ | 16 | 04 | 10 | 10 | 16 | | | | |
| | | F | 17 | 05 | | | | | | | |
| 14 | 27 | e | 18 | 26.4 | | | | | | | A few long waves. |
| | | MN | | 29 | 16 | 14 | 7 | | | | |
| | | F | 18 | 40 | | | | | | | |
| 15 | 29 | e | 15 | 37.3 | | | | | | | Very small |
| | | M | | 42 | 06 | 12 | 2 | 4 | | | |
| | | F | 16 | 00 | | | | | | | |

Wm. Henry A.

No.

2

1927, February.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^\circ 49' 49'' \text{ S.}$
 $\lambda = 151^\circ 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|----------------|-----|----------------|--------------|-------------------|
| A _N | 161 | 7.8 | 4.6 | 0.02 |
| | 106 | 7.9 | 3.5 | 0.03 |
| A _E | 169 | 7.5 | 5.8 | 0.02 |
| | 136 | 9.0 | 1.9 | 0.04 |
| A _Z | 54 | 5.4 | 3.6 | 0.05 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. | |
|-----|----------------|-----------------|---------------------|----|----|------------|-------------------------|-------------------------|-------------------------|------------------|-----------------|--|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | | |
| 16 | 1927 Feb. 1 | eP | 18 | 02 | 20 | 4 | $\frac{1}{2}$ | - | | 3080 (27.7°) | Solomons. | |
| | | PR ₁ | | 03 | 08 | 4 | 9 | 2 | | | | |
| | | iS ₁ | | 06 | 57 | 8 | -17 | -3 | | | | |
| | | | | 07 | 03 | 8 | | 12 | | | | |
| | | | | 08 | 40 | 7 | | 29 | | | | |
| | | ME ₁ | | 10 | 32 | 20 | | 110 | | | | |
| | | MN ₁ | | 11 | 23 | 20 | 150 | | | | | |
| | | ME ₂ | | 11 | 36 | 16 | | 110 | | | | |
| | | MN ₂ | | 13 | 00 | 16 | 85 | | | | | |
| | | MN ₃ | | 14 | 51 | 14 | 37 | | | | | |
| | | ME ₃ | | 14 | 57 | 14 | | 31 | | | | |
| | | MN ₄ | | 19 | 32 | 12 | 24 | | | | | |
| F | | 20 | 20 | | | | | | | | | |
| 17 | " 4 | iP | 2 | 54 | 43 | 4 | -4 | -2 $\frac{1}{2}$ | -2 $\frac{1}{2}$ | 2670 (24.0°) | S. of Solomons. | |
| | | PR ₁ | | 55 | 16 | 5 | 16 | 26 | 20 | | | |
| | | iS ₁ | | 58 | 33 | 6 | -18 | +5 | | | | |
| | | | | 59 | 09 | 6 | 41 | 25 | | | | |
| | | SR ₁ | | 59 | 49 | 6 | 29 | 26 | | | | |
| | | eL | | 3 | 01 | .0 | 16 | | | | | |
| | | MN ₁ | | 01 | 55 | 16 | 38 | | | | | |
| | | ME ₁ | | 02 | 49 | 14 | | 29 | | | | |
| | | MN ₂ | | 03 | 29 | 14 | 32 | | | | | |
| | | ME ₂ | | 06 | 23 | 12 | | 23 | | | | |
| | | F | | 4 | 40 | | | | | | | |
| | | 18 | " 6 | e | 6 | 45 | .0 | 7 | | | | |
| MN | | | | 47 | 49 | 16 | 5 | | | | | |
| ME | | | | 48 | 46 | 16 | | 5 | | | | |
| 19 | " 9 | F | 7 | 30 | | | | | | Very small. | | |
| | | e | 5 | 56 | .7 | | | | | | | |
| | | MN | 6 | 03 | 05 | 10 | 2 | | | | | |
| 20 | " 10 | ME | 7 | 04 | 03 | 9 | | 1 $\frac{1}{2}$ | | A few long waves | | |
| | | F | 7 | 15 | | | | | | | | |
| | | e | 6 | 31 | .7 | | | | | | | |
| 21 | " 11 | MN | | 32 | 43 | 16 | 5 | | | " " " " | | |
| | | ME | | 34 | 34 | 16 | | 2 | | | | |
| | | F | 6 | 50 | | | | | | | | |
| 22 | " 11 | e | 11 | 32 | .2 | | | | | " " " " | | |
| | | M | | 36 | 24 | 14 | 3 | | | | | |
| | | F | 11 | 55 | | | | | | | | |
| 23 | " 14 | e | 16 | 27 | .6 | | | | | " " " " | | |
| | | M | | 30 | 49 | 16 | 3 | 2 | | | | |
| | | F | 16 | 50 | | | | | | | | |
| 23 | " 14 | e | 15 | 53 | .5 | | | | | " " " " | | |
| | | M | | 27 | 52 | 14 | | | | | | |
| | | F | 16 | 10 | | | | | | | | |

(Continued on next sheet.)

No. 2 (continued)

1927, February.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time | | | Per. | Amplitude. | | | Δ | Remarks. |
|-----|-----------------|-----------------|-------------|------|----|---------|----------------|----------------|-----------------|---|------------------------|
| | | | (Greenwich) | | | | A _N | A _E | A _Z | | |
| | | | h. | m. | s. | | μ | μ | μ | | |
| 24 | 1927 Feb. 15 | e | 7 | 31 | .1 | 4 | | | | | A few long waves. |
| | | M | | 36 | 44 | 12 | 1 | | | | |
| 25 | " | F | 8 | 00 | | | | | | | |
| | | e | 1 | 48.8 | | 6 | | | | | |
| | | eS | | 57 | 38 | 9 | 2 ₂ | | | | |
| | | eL | 2 | 12.6 | | 20 | | | | | |
| | | ME ₁ | | 15 | 59 | 16 | | 19 | | | |
| | | MN ₁ | | 18 | 56 | 16 | 23 | | | | |
| | | ME ₂ | | 40 | 29 | 16 | | 12 | | | |
| | | MN ₂ | | 40 | 41 | 16 | 9 | | | | |
| | | MN ₃ | | 50 | 56 | 16 | 12 | | | | |
| | | ME ₃ | | 55 | 58 | 16 | | 10 | | | |
| | | ME ₄ | 3 | 31 | 29 | 20 | | 12 | | | |
| | | MN ₄ | | 42 | 06 | 18 | 17 | | | | |
| | | ME ₅ | | 46 | 52 | 18 | | 12 | | | |
| | | MN ₅ | | 54 | 29 | 18 | 15 | | | | |
| | | MN ₅ | 4 | 04 | 38 | 18 | 9 | | | | |
| | | ME ₆ | | 06 | 38 | 18 | | 6 | | | Perhaps W ₂ |
| | | MN ₆ | | 09 | 36 | 18 | 6 | | | | |
| | | F ₇ | 6 | 10 | | | | | | | |
| 26 | " 21 | e | 12 | 31.4 | | | | | | | |
| | | eL | | 47.4 | | 24 | | | | | |
| | | ME ₁ | | 49 | 27 | 15 | | 8 | | | |
| | | MN ₁ | | 49 | 59 | 16 | 9 | | | | |
| | | ME ₁ | | 52 | 57 | 16 | | 7 | | | |
| | | MN ₂ | | 53 | 08 | 16 | 7 | | | | |
| | | F ₂ | 13 | 25 | | | | | | | |
| 27 | " 23 | e | 3 | 01.1 | | | | | | | Very small. |
| | | ME ₁ | | 02 | 06 | 12 | | 5 | | | |
| | | MN | | 03 | 39 | 12 | 4 | | | | |
| | | ME ₂ | | 07 | 20 | 12 | | 7 | | | |
| | | F | 3 | 15 | | | | | | | |
| 28 | " 25 | eL | 11 | 40.8 | | 24 | | | | | |
| | | M | | 42 | 33 | 20 | 7 | 8 | | | |
| | | F | 12 | 00 | | | | | | | |
| 29 | " 25 | iP | 15 | 46 | 21 | 4 | 2 | 6 | 2530 (22.8°) | | |
| | | S | | 50 | 21 | 10 | | | | | |
| | | eL | | 51.9 | | 24? | | | | | |
| | | ME ₁ | | 52 | 23 | 52 → 28 | 48 | 110 | | | |
| | | MN | | 53 | 42 | 20 | | | | | |
| | | ME ₂ | | 54 | 03 | 18 | | 24 | | | |
| | | F | 16 | 35 | | | | | | | |
| 30 | " 26 | e | 2 | 12.4 | | | | | | | |
| | | eS | | 15 | 09 | 8 | | | | | |
| | | ME | | 18 | 45 | 14 | | 11 | | | |
| | | MN | | 18 | 57 | 14 | 9 | | | | |
| | | F | 3 | 00 | | | | | | | |
| 31 | " 28 | e | 3 | 01.5 | | | | | | | |
| | | MN | | 08 | 18 | 16 | 7 | | | | |
| | | ME | | 08 | 33 | 16 | | 10 | | | |
| | | F | 3 | 55 | | | | | | | |

Wm. Healy J.

No.

'3

1927, March.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^\circ 49' 49'' \text{ S.}$
 $\lambda = 151^\circ 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Manka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon: 1$ | $\frac{F}{T_0^2}$ |
|----------------|---------|----------------|---------------|-------------------|
| A _N | (1) 156 | 7.8 | 4.4 | 0.029 |
| | (3) 119 | 8.2 | 2.4 | 0.02 |
| A _E | (1) 165 | 7.5 | 5.2 | 0.024 |
| | (3) 148 | 9.3 | 2.4 | 0.04 |
| A _Z | (2) 53 | 5.4 | 4.1 | 0.05 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|-----------------|-----------------|---------------------|------|----|------------|-------------------------|-------------------------|------------------------------|-----------------|----------|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| | | | | | | | μ | μ | μ | | |
| 32 | 1927 March 3 | eP | 1 | 12 | 35 | 3 | | | | 3940 | Flores? |
| | | iP | | 12 | 47 | 3 | | | | (35.5°) | |
| | | PR ₁ | | 14 | 20 | 4 | 5 | 6 | -3 | | |
| | | eS ₁ | | 18 | 19 | ? | | | | | |
| | | PS | | 18 | 31 | 8 | 3 | 15 | | | |
| | | | | 19 | 01 | 8 | 36 | 19 | | | |
| | | eL | | 23 | 4 | 48 | | | | | |
| | | ME ₁ | | 25 | 08 | 32 | | 550 | | | |
| | | MN ₁ | | 25 | 19 | 32 | 490 | | | | |
| | | MZ ₁ | | 25 | 53 | 32 | | | 195 | | |
| | | MN ₂ | | 27 | 37 | 20 | 550 | | | | |
| | | ME ₂ | | 27 | 45 | 20 | | 440 | | | |
| | | MN ₃ | | 29 | 07 | 20 | 590 | | | | |
| | | ME ₃ | | 29 | 19 | 20 | | 580 | | | |
| | | ME ₄ | | 30 | 39 | 14 | | 470 | | | |
| | | MZ ₂ | | 30 | 44 | 12 | | | 140 | | |
| | | MN ₄ | | 30 | 53 | 12 | 235 | | | | |
| | | MN ₅ | | 32 | 29 | 12 | 130 | | | | |
| | | ME ₅ | | 33 | 07 | 12 | | 115 | | | |
| | | MN ₆ | | 34 | 15 | 12 | 115 | | | | |
| | | ME ₆ | | 34 | 35 | 10 | | 81 | | | |
| | | MZ ₃ | | 35 | 17 | 12 | | | 48 | | |
| | | ME ₇ | | 35 | 43 | 10 | | 95 | | | |
| | | MN ₇ | | 37 | 19 | 12 | 120 | | | | |
| | | ME ₈ | | 38 | 27 | 12 | | 99 | | | |
| | | ME ₉ | | 41 | 03 | 9 | | 46 | | | |
| | | MN ₈ | | 44 | 22 | 10 | 78 | | | | |
| | | CE ₁ | | 45 | 51 | 12 | | 34 | | | |
| | | CN ₁ | | 48 | 01 | 12 | 30 | | | | |
| | | CE ₂ | | 49 | 11 | 12 | | 26 | | | |
| | | CN ₃ | | 57 | 47 | 10 | 16 | | | | |
| | | CE ₃ | | 2:01 | 29 | 12 | | 16 | | | |
| F | | 5:00 | | | | | | | W ₂ waves absent. | | |

(Continued on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----------------------|-----------------|-----------------|---------------------|----|----|----|--------------------------------|---------------------|---------------------|---------------------------|----------|----------|
| | | | h. | m. | s. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 33 | 1927 March 7 | iP | 9 | 39 | 05 | 4 | -5 ¹ / ₂ | | +8 | 7800 (70.2°) Japan. | | |
| | | eS | 48 | 14 | | 6 | 2 | 6 | | | | |
| | | | 48 | 24 | | 6 | 3 | 20 | | | | |
| | | PS | 49 | 08 | | 12 | 18 | 5 | | | | |
| | | SR ₁ | 53 | 24 | | 9 | 7 | 4 | | | | |
| | | SR ₂ | 54 | 42 | | 9 | 1 | 1 | | | | |
| | | eL | 57 | 9 | | 38 | | | | | | |
| | | ME ₁ | 58 | 54 | | 55 | | 1110 | | | | |
| | | MN ₁ | 59 | 13 | | 34 | 215 | | | | | |
| | | ME ₂ | 10 | 00 | 09 | 23 | | 590 | | | | |
| | | MN ₂ | 00 | 13 | | 23 | 120 | | | | | |
| | | MN ₃ | 01 | 42 | | 28 | 120 | 480 | | | | |
| | | MN ₄ | 02 | 36 | | 20 | 78 | | | | | |
| | | MZ ₁ | 03 | 38 | | 20 | | | 49 | | | |
| | | MN ₅ | 04 | 53 | | 20 | 55 | | | | | |
| | | ME ₄ | 05 | 33 | | 18 | | 50 | | | | |
| | | MN ₆ | 08 | 25 | | 18 | 58 | | | | | |
| | | ME ₅ | 11 | 39 | | 18 | | 56 | | | | |
| | | MN ₇ | 12 | 34 | | 18 | 44 | | | | | |
| | | MZ ₂ | 13 | 40 | | 18 | | | 39 | | | |
| | | ME ₆ | 17 | 27 | | 18 | | 46 | | | | |
| | | CN ₁ | 22 | 15 | | 16 | 23 | | | | | |
| | | CE ₁ | 23 | 12 | | 16 | | 29 | | | | |
| | | CN ₂ | 33 | 06 | | 16 | 25 | | | | | |
| | | CE ₂ | 33 | 15 | | 16 | | 24 | | | | |
| | | CN ₃ | 40 | 13 | | 16 | 21 | | | | | |
| | | CE ₃ | 42 | 08 | | 16 | | 14 | | | | |
| W ₂ series | eW ₂ | 11 | 51 | 9 | 16 | | | | | | | |
| | ME | 54 | 33 | | 16 | | 2 | | | | | |
| | MN ₁ | 57 | 08 | | 16 | 2 | | | | | | |
| | MN ₂ | 12 | 06 | 50 | 18 | 3 | | | | | | |
| | F | 13 | 50 | | | | | | | | | |
| 34 | " 12 | eP | 1 | 17 | 53 | 3 | 3 | 1/2 | | | | |
| | | eL | | 21 | 9 | 18 | | | | | | |
| 35 | " 21 | M | | 22 | 44 | 12 | 6 | 9 | | | | |
| | | F | 2 | 00 | | | | | | | | |
| 36 | " 22 | e | 15 | 17 | 9 | | | | | | | |
| | | e(S?) | | 26 | 8 | 8 | | | | | | |
| | | eL | | 41 | 2 | 32 | | | | | | |
| | | ME | | 44 | 26 | 20 | | 16 | | | | |
| 37 | " 23 | MN | | 46 | 11 | 20 | 7 | | | | | |
| | | F | 17 | 55 | | | | | | | | |
| | | e | 7 | 41 | 5 | 26 | | | | | | |
| | | eL | | 46 | 2 | 26 | | | | | | |
| 38 | " 29 | ME | | 46 | 32 | 20 | | 20 | | | | |
| | | MN | | 52 | 41 | 16 | 21 | | | | | |
| | | F | 8 | 15 | | | | | | | | |
| | | e | 9 | 25 | 1 | 20 | | | | | | |
| 39 | " 30 | ME | | 32 | 02 | 20 | | 20 | | | | |
| | | MN | | 32 | 30 | 20 | 19 | | | | | |
| | | F | 10 | 15 | | | | | | | | |
| | | e | 15 | 03 | 3 | | | | Very small. | | | |
| 39 | " 30 | M | | 14 | 00 | 16 | 7 | | | | | |
| | | F | | 15 | 30 | | | | | | | |
| | | M | | 14 | 53 | 00 | 16 | 7 | | | | |
| | | F | | 15 | 05 | | | | A few long waves. | | | |

Wm. Heary J.



No.

4

1927, April.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ E. $h = 41.9$ m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 160 | 7.6 | 4.7 | 0.02 |
| A _N (3) | 111 | 8.2 | 2.8 | 0.028 |
| A _E (1) | 173 | 7.4 | 5.0 | 0.02 |
| A _E (3) | 137 | 9.3 | 2.8 | 0.03 |
| A _Z (2) | 53 | 5.4 | 3.7 | 0.04 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----------------|-----------------|---------------------------------|------------------|------|----|---------|----------------------|----------------------|----------------------|----------------|--|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 40 | 1927 April 1 | iP | 19 | 11 | 57 | 3 | -1 | -12 | +11 | 2860 25.8°) | Condensation. Computed azimuth (from iP); 85° (N. 35° E.) hence, computed; ϕ . 28° S. λ , 179° W. |
| | | iPR ₁ | | 12 | 17 | 3 | -5 | -11 | | | |
| | | | | 12 | 56 | 5 | 6 | 27 | | | |
| | | | | 13 | 26 | 5 | | | 14 | | |
| | | iS | | 16 | 30 | 6 | -15 | +5 | | | |
| | | eL | | 18.8 | 20 | | | | | | |
| | | | | 18 | 26 | 8 | | 30 | 15 | | |
| | | | | 19 | 37 | 8 | | 35 | | | |
| | | MN ₁ | | 21 | 53 | 6 | | 34 | | | |
| | | ME ₁ | | 23 | 29 | 10 | | 9 | | | |
| | | MN ₂ | | 23 | 58 | 10 | | 9 | | | |
| MZ | | 25 | 29 | 12 | | | 4 | | | | |
| ME ₂ | | 26 | 10 | 12 | | | 10 | | | | |
| F | | 20 | 25 | | | | | | | | |
| 41 | " 12 | eP | 23 | 18 | 21 | 3 | | | | 2530 22.8°) | |
| | | eS | | 22 | 21 | 7 | 3 | | | | |
| | | | | 22 | 28 | 7 | 9 | 11 | | | |
| | | eL | | 24.5 | 24 | | | | | | |
| | | MN | | 25 | 57 | 16 | 5 | | | | |
| | | ME | | 26 | 36 | 16 | | | 7 | | |
| 42 | " 13 | F | 23 | 55 | | | | | | | |
| | | e(P?) | 13 | 53 | 55 | 3 | | | | | |
| | | S? | 14 | 02.6 | ? | | | | | | |
| | | eL | | 08.9 | 20 | | | | | | |
| | | MN | | 15 | 36 | 16 | 7 | | | | |
| | | ME | | 16 | 23 | 16 | | | 7 | | |
| 43 | " 14 | F | 14 | 35 | | | | | | | |
| | | eP' | 6 | 41 | 43 | 4 | | | | | |
| | | S _c P _c S | | 48 | 56 | 6? | | | | | |
| | | PS | | 50 | 55 | 12 | 10 | | | | |
| | | SR ₁ | | 57 | 16 | 13 | | | 6 | | |
| | | eL | 7 | 07.2 | 30 | | | | | | |
| | | eL | | 12.3 | 28 | | | | | | |
| | | MN ₁ | | 16 | 56 | 18 | 6 | | | | |
| | | ME ₁ | | 20 | 35 | 16 | | | 7 | | |
| | | ME ₂ | | 25 | 51 | 16 | | | 5 | | |
| | | MN ₂ | | 26 | 05 | 15 | 6 | | | | |
| | | MN ₃ | | 31 | 34 | 16 | 5 | | | | |
| | | ME ₃ | | 33 | 05 | 16 | | | 5 | | |
| | | MN ₄ | | 39 | 04 | 17 | 5 | | | | |
| ME ₄ | | 42 | 49 | 16 | | | 2 | | | | |
| F | | 9 | 05 | | | | | | | | |

(Continued on next sheet.)

No. 4 (continued)

1927, April

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. | Amplitude. | | | Δ km. | Remarks. |
|-----|----------|--------|---------------------|----|----|------|-----------------|----------------|----------------|-----------------|-----------------------------------|
| | | | | | | | A_N μ | A_E μ | A_Z μ | | |
| | | | h. | m. | s. | s. | | | | | |
| | 1927 | | | | | | | | | | |
| 44 | April 16 | e | 9 | 42 | .9 | | | | | | |
| | | MN, ME | | 51 | .9 | 18 | 12 | 6 | | | |
| | | F | 10 | 10 | | | | | | | |
| 45 | " 17 | i | 9 | 17 | 38 | 5 | 2 $\frac{1}{2}$ | | | | |
| | | ME | | 24 | 55 | 9 | | 5 | | | |
| | | MN | | 25 | 56 | 8 | 5 | | | | |
| | | F | 9 | 40 | | | | | | | |
| 46 | " 19 | e | 17 | 46 | .0 | | | | | | Obscured by heavy microseisms. |
| | | e(S?) | | 53 | .2 | 16? | | | | | |
| | | | | 58 | 13 | 12 | 13 | | | | |
| | | eL | | 59 | .6 | 28 | | | | | |
| | | MN | 18 | 03 | 11 | 18 | 15 | | | | |
| | | ME | | 04 | 32 | ? | | | | | |
| | | F | 18 | 25 | | | | | | | |
| 47 | " 27 | iP | 2 | 57 | 05 | 3 | -4 | +3 | | | |
| | | | | 3 | 02 | 12 | 7 | | | | |
| | | MN | | 07 | 16 | 10 | 2 $\frac{1}{2}$ | | | | |
| | | ME | | 08 | 02 | 10 | | 2 | | | |
| | | F | 3 | 40 | | | | | | | |

*Wm. Henry H.
Director*

No.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49'' \text{ S.}$
 $\lambda = 151^{\circ} 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 160 | 7.6 | 4.4 | 0.02 |
| 3 | 127 | 8.0 | 3.5 | 0.03 |
| A _E (1) | 170 | 7.6 | 5.1 | 0.02 |
| 3 | 146 | 9.1 | 2.0 | 0.04 |
| A _Z (2) | 80 | 5.1 | 3.9 | 0.09 |

| No. | Date. | Phase. | Time | | | Per. | Amplitude. | | | Δ km. | Remarks. | |
|-----------------|---------------|---------------------------------|-------------|-------|----|-------|-----------------|----------------|----------------|-----------------|----------|-------------|
| | | | (Greenwich) | | | | A _N | A _E | A _Z | | | |
| | | | h. | m. | s. | | μ | μ | μ | | | |
| 48 | 1927 May 2 | e | 12 | 40.3 | | | | | | | | |
| | | 3L | | 49.0 | 24 | | | | | | | |
| | | ME | 52 | 16 | 14 | | | 5 | | | | |
| | | MN | 52 | 23 | 15 | | 2 | | | | | |
| | | F | 13 | 25 | | | | | | | | |
| 49 | " 3 | e | 13 | 46.7 | | | | | | | | |
| | | eS | | 51.40 | 8 | | | | | | | |
| | | eL | | 55.5 | 24 | | | | | | | |
| | | ME ₁ | | 56.35 | 20 | | | 27 | | | | |
| | | MN ₁ | | 56.47 | 20 | | 24 | | | | | |
| | | ME ₂ | | 58.00 | 18 | | | 12 | | | | |
| | | MN ₂ | | 58.11 | 18 | | 46 | | | | | |
| | | MN ₃ ME ₃ | 14 | 04.1 | 11 | | 16 | 11 | | | | |
| | | F | 14 | 45 | | | | | | | | |
| | | 50 | " 11 | e | 1 | 26.2 | | | | | | |
| e(S?) | | | | 30.9 | ? | | | | | | | |
| eL | | | | 34.2 | ? | | | | | | | |
| ME ₁ | | | | 35.51 | 16 | | | 43 | | | | |
| MN ₁ | | | | 36.16 | 16 | | 26 | | | | | |
| MN ₂ | | | | 39.43 | 8 | | 14 | | | | | |
| ME ₂ | | | | 40.23 | 8 | | | 20 | | | | |
| F ₂ | 2 | | | 25 | | | | | | | | |
| 51 | " 12 | | | e | 4 | 24.2 | | | | | | Very small. |
| | | | | MN | | 28.31 | ? | | | | | |
| | | ME | | 29.39 | 16 | | | | | | | |
| 52 | " 13 | F | 4 | 40 | | | | | | | | |
| | | e | 23 | 17.5 | | | | | | | | |
| | | e(S?) | | 21.3 | 6 | | 5 | | | | | |
| | | | | 24.07 | 7 | | | 30 | | | | |
| | | e(L?) | | 25.2 | 20 | | | | | | | |
| | | ME ₁ | | 28.56 | 12 | | | 32 | | | | |
| | | MZ | | 29.02 | 12 | | | | 25 | | | |
| | | MN ₁ | | 29.07 | 12 | | 32 | | | | | |
| | | ME ₂ | | 31.10 | 12 | | | 29 | | | | |
| | | MN ₂ | | 31.59 | 10 | | 14 | | | | | |
| 53 | " 14 | F | 00 | 20 | | | | | | | | |
| | " 21 | e? | 17 | 01.1 | | | | | | | | |
| | e | | 04.9 | 4 | | | | | | | | |
| | MN | | 09.14 | 14 | | | 3 $\frac{1}{2}$ | | | | | |
| | ME | | 13.02 | 14 | | | | 2 | | | | |
| | | F | 17 | 30 | | | | | | | | |

(Continued on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. | |
|--|----------------|------------------|---------------------|----|-----|------------|----------------|----------------|----------------|-----------------|--|----|
| | | | h. | m. | s. | | A _N | A _E | A _Z | | | |
| | | | | | | | μ | μ | μ | | | |
| 54 | 1927 May 22 | iP | 22 | 45 | 26 | 5 | +8 | -5 | -7 | 9160 (82.4°) | Dilatation Computed azimuth; (from iP) 326° (E. 34° W.) hence, computed; φ, 36° N. λ, 106° E. Kan-Su. h m s 0, 22 33 06 | |
| | | iPR ₁ | 48 | 42 | 6 | | 2 | -5 | | | | |
| | | eS | 55 | 49 | 9 | | | | | | | |
| | | iS | 55 | 55 | 9 | | | | -35 | | | |
| | | PS | 56 | 06 | 9 | | 30 | 60 | | | | |
| | | SR ₁ | 23 | 01 | 44 | 14 | | 5 | 35 | | | |
| | | eL | 11 | 5 | 40 | | | | | | | |
| | | ME ₁ | 13 | 41 | 28 | | | | 190 | | | |
| | | MN ₁ | 14 | 40 | 24 | | 80 | | | | | |
| | | MN ₂ | 15 | 53 | 28 | | 120 | | | | | |
| | | cME ₂ | 18 | 53 | 24 | | | | 84 | | | |
| | | MN ₃ | 20 | 15 | 24 | | 230 | | | | | |
| | | MZ ₁ | 20 | 44 | 24 | | | | | | | 82 |
| | | ME ₃ | 20 | 54 | 23 | | | | 220 | | | |
| | | MN ₄ | 21 | 04 | 24 | | 240 | | | | | |
| | | ME ₄ | 21 | 47 | 24 | | | | 260 | | | |
| | | MN ₅ | 23 | 08 | 25 | | 350 | | | | | |
| | | ME ₅ | 24 | 03 | 20 | | | | 200 | | | |
| | | MN ₆ | 24 | 7 | 20 | | 380 | | | | | 57 |
| | | MN ₇ | 25 | 58 | 20 | | 240 | | | | | |
| | | ME ₆ | 26 | 42 | 20 | | | | 180 | | | |
| | | MZ ₃ | 27 | 02 | 20 | | | | | | | 38 |
| | | MN ₈ | 28 | 57 | 19 | | 200 | | | | | |
| | | ME ₇ | 29 | 06 | 20 | | | | 170 | | | |
| | | MZ ₄ | 30 | 55 | 20 | | | | | | | 36 |
| | | MN ₉ | 31 | 30 | 19 | | 180 | | | | | |
| | | ME ₈ | 32 | 53 | 20 | | | | 200 | | | |
| | | MZ ₅ | 36 | 07 | 18 | | | | | | | 45 |
| | | MN ₁₀ | 37 | 25 | 18 | | 80 | | | | | |
| | | ME ₉ | 37 | 47 | 18 | | | | 90 | | | |
| | | CE ₁ | 46 | 23 | 16 | | | | 27 | | | |
| | | CN ₁ | 48 | 29 | 15 | | 21 | | | | | |
| | | CE ₂ | 49 | 27 | 14 | | | | 18 | | | |
| CN ₂ | 53 | 08 | 16 | | 26 | | | | | | | |
| CE ₃ | 54 | 12 | 16 | | | | 34 | | | | | |
| CE ₄ | 56 | 13 | 18 | | | | 33 | | | | | |
| CN ₃ | 00 | 04 | 09 | 16 | 12 | | | | | | | |
| CE ₅ | 05 | 34 | 16 | | | | 11 | | | | | |
| CE ₆ | 20 | 25 | 18 | | | | 12 | | | | | |
| CN ₄ | 29 | 10 | 17 | | 11 | | | | | | | |
| CN ₅ | 52 | 02 | 12 | | 5 | | | | | | | |
| W ₂ series eW ₂ | 54 | 6 | 27 | | | | | | | | | |
| MN ₁ | 1 | 02 | 01 | 20 | 205 | | | | | | | |
| MN ₂ | 06 | 09 | 20 | | 20 | | | | | | | |
| ME ₁ | 08 | 00 | 16 | | | | 7 | | | | | |
| MN ₃ | 08 | 23 | 18 | | 15 | | | | | | | |
| MN ₄ | 11 | 25 | 20 | | 16 | | | | | | | |
| ME ₂ | 11 | 45 | 19 | | | | 7 | | | | | |
| ME ₃ | 13 | 10 | 20 | | | | 11 | | | | | |
| F | 2 | 55 | | | | | | | | | | |
| e | 9 | 55.0 | | | | | | | | | | |
| F | 10 | 00 | | | | | | | | | | |
| 55 | " 26 | | | | | | | | | Very small. | | |

*Wm. Cheary H.
Director*

No.

6
 1927, June.
Riverview College Observatory
 SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ E. $h = 41.9$ m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 158 | 7.5 | 4.0 | 0.03 |
| A _N (3) | 120 | 8.1 | 2.9 | 0.03 |
| A _E (1) | 160 | 7.6 | 4.5 | 0.029 |
| A _E (3) | 150 | 8.9 | 2.3 | 0.04 |
| A _Z (2) | 83 | 5.0 | 3.0 | 0.100 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. | |
|-------------------|----------------|-----------------------------------|------------------|------|----|------------|----------------|-----------------|----------------|-----------------|--|--|
| | | | h. | m. | s. | | A _N | A _E | A _Z | | | |
| | | | | | | | μ | μ | μ | | | |
| 56 | 1927 June 3 | eP | 7 | 18 | 38 | 4 | $\frac{1}{2}$ | | | 3710 | Condensation. Computed azimuth (from IP); 317° (N. 43° W.) hence, computed; $\phi, 8^\circ$ S. $\lambda, 129^\circ$ E. h m s C, 7 11 41 Felt in Darwin, Pine Creek, Daly Waters etc. (N. Territory, Aus- tralia.) Remarkably short periods through- out. | |
| | | iP | | 18 | 42 | 4 | -7 | +6 ₂ | +5 | 33.4°) | | |
| | | iPR ₁ | | 19 | 39 | 4 | 4 | -11 | +7 | +13 | | |
| | | PR ₂ | | 19 | 53 | 4 | 4 | 31 | 33 | | | |
| | | iS | | 23 | 56 | 4 | 4 | -70 | +31 | +14 | | |
| | | ISR ₁ | | 26 | 00 | 4 | 4 | -250 | +70 | +40 | | |
| | | SR ₂ | | 26 | 42 | 4 | 4 | 200 | 65 | 60 | | |
| | | eL | | 28.3 | | 12? | | | | | | |
| | | MN ₁ , ME ₁ | | 28.6 | | 4 | 4 | 240 | 250 | 240 | | |
| | | MZ ₁ | | 29 | 15 | 4 | 4 | | | 180 | | |
| | | MZ ₂ | | 29 | 50 | 4 | 4 | 450 | | | | |
| | | MN ₂ | | 30 | 06 | 4 | 4 | | 520 | | | |
| | | ME ₂ | | 30 | 50 | 4 | 4 | | | 170 | | |
| | | MZ ₃ | | 31.4 | | 4 | 4 | 420 | 340 | | | |
| | | MN ₃ , ME ₃ | | 32 | 04 | 4 | 4 | | | 130 | | |
| | | MZ ₄ | | 33 | 15 | 4 | 4 | 260 | | | | |
| | | MN ₄ | | 33 | 25 | 7 | 7 | | 310 | | | |
| | | ME ₄ | | 35 | 52 | 9 | 9 | | 350 | | | |
| | | ME ₅ | | 36.3 | | 8 | 8 | 270 | | 240 | | |
| | | MN ₅ , MZ ₅ | | 38 | 38 | 9 | 9 | 160 | | | | |
| | | MN ₆ | | 39 | 36 | 11 | 11 | | 320 | | | |
| | | ME ₆ | | 42 | 10 | 12 | 12 | | 230 | | | |
| | | ME ₇ | | 43 | 28 | 10 | 10 | 120 | | | | |
| | | MN ₇ | | 44 | 06 | 12 | 12 | | 200 | | | |
| | | ME ₈ | | 46 | 39 | 9 | 9 | 70 | | | | |
| | | MN ₈ | | 48 | 21 | 9 | 9 | | | 12 | | |
| | | CZ ₁ | | 49 | 47 | 11 | 11 | | 110 | | | |
| ME ₉ | | 53 | 00 | 10 | 10 | | 56 | | | | | |
| ME ₁₀ | | 54 | 10 | 9 | 9 | 50 | | | | | | |
| MN ₉ | | 56 | 50 | 10 | 10 | | | 20 | | | | |
| CZ ₂ | | 57 | 53 | 10 | 10 | | 30 | | | | | |
| ME ₁₁ | | 8 | 02 | 34 | 10 | 30 | | | | | | |
| MN ₁₀ | | 04 | 07 | 12 | 12 | | 50 | | | | | |
| ME ₁₂ | | 12 | 28 | 12 | 12 | 15 | | | | | | |
| CN ₁ | | 12 | 43 | 12 | 12 | | 20 | | | | | |
| CE ₁ | | 17 | 12 | 12 | 12 | | 24 | | | | | |
| CE ₂ | | 20 | 07 | 11 | 11 | 12 | | | | | | |
| CN ₂ | | 24 | 29 | 12 | 12 | | 13 | | | | | |
| CE ₃ | | 31 | 06 | 12 | 12 | 13 | | | | | | |
| CN ₃ | | 36 | 08 | 12 | 12 | | 8 | | | | | |
| CE ₄ | | 52 | 06 | 10 | 10 | 6 | | | | | | |
| CN ₄ | | 9 | 57.3 | | | | | | | | | |
| eW ₂ ? | | 13 | 30 | | | | | | | | | |
| F | | | | | | | | | | | | |

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|----------------|-----------------------------------|---------------------|-------|-----|------------------|---------------------|---------------------|---------------------|-------------|----------|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 57 | 1927 June 6 | e | 12 | 40.1 | | | | | | Very small. | |
| | | e | | 41.1 | | | | | | | |
| | | ME | | 45 30 | 12 | | 4 | | | | |
| | | F | 15 | 00 | | | | | | | |
| 58 | " 6 | e | 18 | 29.8 | | | | | | | |
| | | eL | | 36.2 | 20? | | | | | | |
| | | ME ₁ | | 37 24 | 24 | | 34 | | | | |
| | | ME ₂ | | 39 48 | 18 | | 25 | | | | |
| | | MN ₁ | | 40 45 | 12 | 7 | | | | | |
| | | MN ₂ | | 46 08 | 12 | 3 | | | | | |
| | | F | 19 | 20 | | | | | | | |
| 59 | " 11 | e | 2 | 41.1 | | | | | | | |
| | | eL | | 54.1 | 24 | | | | | | |
| | | MN ₁ | | 57 06 | 18 | 34 | | | | | |
| | | ME ₁ | | 57 26 | 18 | | 25 | | | | |
| | | ME ₂ | 3 | 03 36 | 12 | | 5 | | | | |
| | | MN ₂ | | 07 08 | 12 | 6 | | | | | |
| | | F | 3 | 45 | | | | | | | |
| 60 | " 14 | eP | 17 | 21 16 | | | | | 2180 | | |
| | | iP | | 21 20 | 5 | 27 | -8 | -14 | (19.6°) | | |
| | | eS | | 24 51 | 7 | | 6 | | | | |
| | | eL | | 26.1 | 27 | | | | | | |
| | | MN ₁ | | 26 45 | 20 | 200 | | | | | |
| | | ME ₁ | | 26 56 | 16 | | 195 | | | | |
| | | MZ ₁ | | 27 06 | 19 | | | 110 | | | |
| | | MZ ₂ | | 27 27 | 19 | | | 130 | | | |
| | | ME ₂ | | 28 24 | 10 | | 110 | | | | |
| | | MN ₂ | | 28 51 | 10 | 125 | | | | | |
| | | MN ₃ | | 29 36 | 10 | 120 | | | | | |
| | | ME ₃ | | 30 10 | 10 | | 58 | | | | |
| | | MN ₄ | | 31 12 | 9 | 68 | | | | | |
| | | ME ₄ | | 31 19 | 10 | | 78 | | | | |
| | | MN ₅ , ME ₅ | | 33 08 | 8 | 41 | 47 | | | | |
| | | CN ₁ | | 48 01 | 8 | 12 | | | | | |
| | | CE ₁ | | 51 00 | 8 | | 10 | | | | |
| | | CN ₂ | | 51 20 | 8 | 9 | | | | | |
| | | CN ₃ | | 54 36 | 8 | 2 | | | | | |
| | | CE ₂ | | 54 45 | 8 | | 7 | | | | |
| | | F | 20 | 05 | | | | | | | |
| 61 | " 23 | ez | 6 | 00.9 | | | | | | Very small. | |
| | | e | | 01.3 | | | | | | | |
| 62 | " 27 | iP | 12 | 34 40 | 3 | -1 $\frac{1}{2}$ | +1 | | | " " | |
| | | iS | | 39 59 | 4 | -2 $\frac{1}{2}$ | +5 | | | | |
| | | eL | | 43.6 | 16 | | | | | | |
| | | MN | | 52 00 | 10 | | | | | | |
| | | F | 13 | 05 | | | | | | | |
| 63 | " 28 | e | 11 | 17.6 | | | | | | | |
| | | S? | | 21.8 | 6 | | | | | | |
| | | eL | | 24.1 | 18 | | | | | | |
| | | ME | | 26 47 | | | | | | | |
| | | MN | | 27 15 | | | | | | | |
| | | F | 12 | 00 | | | | | | | |

Wm. Henry St.
Director

No.

7

1927, July.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49''$ S.

 $\lambda = 151^{\circ} 9' 30''$ E.

h = 41.9 m.

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 158 | 7.7 | 4.0 | 0.03 |
| (3) | 113 | 8.2 | 3.0 | 0.03 |
| A _E (1) | 170 | 7.6 | 4.6 | 0.03 |
| (3) | 103 | 9.1 | 2.9 | 0.04 |
| A _Z (2) | 80 | 5.1 | 3.3 | 0.09 |

| No. | Date. | Phase. | Time | | Per. | Amplitude. | | | Δ km. | Remarks. | |
|-----|----------------|------------------|-------------|------|------|----------------|----------------|----------------|-----------------|---|-------|
| | | | (Greenwich) | | | A _N | A _E | A _Z | | | |
| | | | h. | m. | | s. | μ | μ | | | μ |
| 64 | 1927 July 3 | eP | 10 | 45 | 17 | 2 | | | 3090 | | |
| | | iPR ₁ | | 46 | 42 | 6 | | 2 | | (27.8°) | |
| | | eS | | 50 | 55 | | | | | | |
| | | eL | | 53.6 | | 26 | | | | | |
| | | ME ₁ | | 57 | 12 | 15 | | 8 | | | |
| | | MN ₁ | | 57 | 21 | 11 | 4 | | | | |
| | | ME ₂ | | 58 | 10 | 15 | | 12 | | | |
| | | MN ₂ | | 59 | 15 | 12 | 5 | | | | |
| 65 | " 5 | F | 11 | 25 | | | | | | | |
| | | e | 07 | 35.5 | | | | | | | |
| | | e(L?) | | 39.4 | | 15 | | | | | |
| 66 | " 10 | MN | | 43 | 22 | 11 | 3 | | | | |
| | | F | 08 | 00 | | | | | | | |
| | | iP | 04 | 05 | 04 | 4 | -2½ | -4½ | | 2520 | |
| | | iS | | 09 | 03 | 7 | +17 | -5 | | (22.7°) | |
| 67 | " 11 | | | 09 | 12 | 7 | 8 | 11 | | | |
| | | eL | | 11.1 | | 21 | | | | | |
| | | MN, ME | | 12.9 | | 17 | 11 | 10 | | | |
| | | F | 04 | 40 | | | | | | | |
| | | M | 14 | 11 | 10 | | | | | | |
| | | | | | | | | | | | |
| 68 | " 12 | e(P?) | 21 | 19 | 53 | | | | 3700? | Palestine. Very small. Masked by microseisms. | |
| | | e(S?) | | 29 | 56 | 7 | | | | | |
| | | eL | | 42.5 | | 19 | | | | | |
| | | MN | 22 | 02 | 09 | ? | | | | | |
| | | F | 22 | 45 | | | | | | | |
| 69 | " 14 | e | 23 | 26 | 03 | 6 | | | | | |
| | | e(S?) | | 31 | 04 | ? | | | | | |
| | | eL | | 34.9 | | 16? | | | | | |
| | | | | 35 | 13 | 6 | 13 | | | | |
| | | MN | | 37 | 12 | 8 | 9 | | | | |
| | | ME | | 37 | 31 | 8 | | 9 | | | |
| | | F | 00 | 10 | | | | | | | |
| 70 | " 15 | | | | | | | | | | |
| | | eL | 09 | 01.0 | | 30? | | | | A few long waves. | |
| 71 | " 18 | eP | 11 | 25 | 03 | | | | 3070 | | |
| | | PR ₁ | | 25 | 32 | 6 | | 6 | | (27.6°) | |
| | | | | 26 | 08 | 6 | | 9 | | | |
| | | iS | | 29 | 39 | 7 | +8 | +9 | | | |
| | | | | 29 | 59 | 7 | 7 | 8 | | | |
| | | eL | | 32.1 | | 26 | | | | | |
| | | ME ₁ | | 33 | 09 | 24 | | 44 | | | |
| | | MN ₁ | | 33 | 55 | 17 | 43 | | | | |
| | | ME ₂ | | 35 | 33 | 17 | | 26 | | | |
| | | MZ | | 36 | 07 | 15 | | | 19 | | |
| | | MN ₂ | | 36 | 59 | 14 | 11 | | | | |
| | | F | 12 | 30 | | | | | | | |

(Continued on next sheet.)

No. 7 (continued)

1927, July.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----------------|-----------------|------------------|---------------------|------|----|------------|----------------|----------------|----------------|-----------------|---------------------------|
| | | | h. | m. | s. | | A_N μ | A_E μ | A_Z μ | | |
| 72 | 1927 July 22 | eP' | 04 | 14 | 12 | | | | | | |
| | | ePK ₁ | | 15 | 27 | | | | | | |
| | | eL | | 51.6 | | 26 | | | | | |
| | | MN ₁ | | 59 | 34 | 19 | 5 | | | | |
| | | ME ₁ | 05 | 00 | 08 | 19 | | 10 | | | |
| | | ME ₂ | | 03 | 08 | 19 | | 10 | | | |
| | | MN ₂ | | 03 | 14 | 19 | 7 | | | | |
| | | ME ₃ | | 06 | 27 | 19 | | 7 | | | |
| | | MN ₃ | | 09 | 06 | 19 | 5 | | | | |
| | | MN ₄ | | 12 | 37 | 19 | 5 | | | | |
| | | ME ₄ | | 13 | 15 | 19 | | 5 | | | |
| 73 | " 23 | F | 05 | 50 | | | | | | | |
| | | eL | 04 | 14.1 | 19 | | | | | | Very small. |
| | | MN | | 15 | 56 | 12 | | | | | |
| ME | | 16 | 44 | 12 | | | | | | | |
| 74 | " 28 | F | 04 | 30 | | | | | | | |
| | | e? | 04 | 25.5 | | | | | | | |
| | | e | | 29.5 | | | | | | | |
| | | eL | | 30.1 | 18 | | | | | | |
| | | MN ₁ | | 31 | 53 | 17 | 8 | | | | |
| | | ME ₁ | | 32 | 38 | 10 | | 2 | | | |
| | | MN ₂ | | 33 | 46 | 11 | 6 | | | | |
| ME ₂ | | 36 | 20 | 11 | | 3 | | | | | |
| 75 | " 28 | F | 04 | 50 | | | | | | | |
| | | eL | 17 | 04.6 | 19 | | | | | | A few long waves. |
| 76 | " 29 | e | 15 | 22.2 | | | | | | | |
| | | | | 25 | 55 | 4 | 1 | | | | very small near shock. |
| | | i | | 26 | 24 | 4 | | 2½ | | | |
| F | 15 | 40 | | | | | | | | | |
| 77 | " 31 | e(L?) | 03 | 59.7 | 18 | | | | | | |
| | | M | 04 | 03 | 00 | 15 | 4 | 6 | | | |
| | | F | 04 | 15 | | | | | | | |

Wm. Healy P.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S.

$\lambda = 151^\circ 9' 30''$ E.

h = 41.9 m.

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|----------------|-----|----------------|--------------|-------------------|
| A _N | 165 | 7.5 | 3.8 | 0.03 |
| | 132 | 8.0 | 2.9 | 0.03 |
| A _E | 170 | 7.6 | 5.0 | 0.03 |
| | 115 | 9.0 | 3.4 | 0.049 |
| A _Z | 84 | 5.0 | 3.6 | 0.08 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|----------------|-----------------------|---------------------|-------|----|------------|----------------|----------------|-----------------|-----------------|-------------------|
| | | | | | | | A _N | A _E | A _Z | | |
| | | | | | | | μ | μ | μ | | |
| 78 | 1927 August | 2 eL | 07 | 14.7 | 16 | | | | | | |
| | | ME | | 16 12 | 12 | | | 4 | | | |
| | | MN | | 16 55 | 12 | | | 2 | | | |
| | | F | 07 | 30 | | | | | | | |
| 79 | " | 4 eP | 15 | 55 45 | | | | | 2780? | | |
| | | iP | | 55 50 | 2 | | | | | 3 | iP from Vertical. |
| | | i | | 59 16 | 4 | +8 | -10 | | | | |
| | | i(S?) | 16 | 02 08 | 4 | -7½ | -4 | | | | |
| | | PS? | | 02 13 | 4 | 9 | | | | | |
| | | i(L?) | | 07 40 | 8 | | | | | | |
| | | | | 08 15 | 6 | 7 | 5 | | | | |
| | | MN | | 10 34 | 4 | 8 | | | | | |
| | | F | 16 | 35 | | | | | | | |
| 80 | " | 5 eP | 21 | 24 16 | 4 | | | | 7780 (70.0°) | | Japan. |
| | | eS | | 33 33 | 8 | | | | | | |
| | | iS | | 33 36 | 8 | 6 | 16 | | | | |
| | | PS | | 34 07 | 8 | 6 | 5 | | | | |
| | | PPS | | 34 33 | 10 | 6 | 4 | | | | |
| | | S ₀ S | | 35 08 | 9 | 8 | | | | | |
| | | eSR ₁ | | 38 08 | 16 | | | | | | |
| | | eL _E | | 43.1 | 32 | | | | | | |
| | | eL _N | | 46.3 | 32 | | | | | | |
| | | ME ₁ | | 50 11 | 16 | | | 12 | | | |
| | | MN ₁ | | 50 29 | 24 | 29 | | | | | |
| | | ME ₂ | | 53 49 | 18 | | | 12 | | | |
| | | MN ₂ | | 54 00 | 20 | 20 | | | | | |
| | | MN ₃ | 22 | 03 15 | 20 | 8 | | | | | |
| | | ME ₃ | | 08 52 | 20 | | | 15 | | | |
| | | ME ₄ | | 09 56 | 20 | | | 19 | | | |
| | | MN ₄ | | 11 35 | 20 | 8 | | | | | |
| | | F | 23 | 20 | | | | | | | |
| 81 | " | 8 iP | 18 | 50 06 | 4 | -1½ | +2 | +2 | 6640? | | |
| | | PR ₁ | | 51 58 | 6 | 1 | | | | | |
| | | i(S?) | | 58 17 | 5 | 2 | 5 | | | | |
| | | | | 58 32 | 8 | 6 | 8 | | | | |
| | | eL | 19 | 03.1 | 18 | | | | | | |
| | | MN | | 04 32 | 10 | 4 | | | | | |
| | | ME | | 04 38 | 10 | | | 2 | | | |
| | | F | 19 | 40 | | | | | | | |
| 82 | " | 10 eSR ₁ ? | 02 | 03.7 | 18 | | | | | | |
| | | eL | | 36.2 | 26 | | | | | | |
| | | ME ₁ | | 44 42 | 16 | | | 3 | | | |
| | | ME ₂ | | 51 18 | 16 | | | 5 | | | |
| | | F | 03 | 20 | | | | | | | |

(Continued in next sheet)

No. 3 (continued)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|---------------------|-----------------|------------------|---------------------|----|----|------------|------------|-------|-------|-----------------|----------|
| | | | | | | | A_N | A_E | A_Z | | |
| | | | h. | m. | s. | | μ | μ | μ | | |
| 83 | 1927 Aug. 10 | eP | 11 | 43 | 31 | 6 | | | | 4060 (36.5°) | |
| | | PR ₁ | | 45 | 04 | 8 | | 5 | 3 | | |
| | | eS | | 49 | 11 | 8 | | 2½ | 3 | | |
| | | PS | | 49 | 19 | 12 | | | 14 | | |
| | | P _c S | | 49 | 28 | 14 | | 59 | 54 | | |
| | | SR ₁ | | 51 | 26 | 20 | | | 44 | | |
| | | SR ₂ | | 52 | 11 | 20 | | | 140 | | |
| | | | | 52 | 20 | 14 | | 85 | | | |
| | | eL | | 54 | 5 | 30 | | | | | |
| | | ME ₁ | | 56 | 18 | 20 | | | 185 | | |
| | | MN ₁ | | 56 | 32 | 20 | | 145 | | | |
| | | ME ₂ | | 57 | 22 | 20 | | | 970 | | |
| | | MN ₂ | | 57 | 20 | 16 | | 380 | | | |
| | | ME ₃ | | 58 | 28 | 18 | | | 830 | | |
| | | MN ₃ | | 58 | 59 | 16 | | 420 | | | |
| | | ME ₄ | | 59 | 07 | 16 | | | 730 | | |
| | | MN ₄ | | 59 | 33 | 14 | | 270 | | | |
| | | ME ₅ | 12 | 00 | 09 | 14 | | | 800 | | |
| | | MZ ₁ | | 00 | 21 | 21 | | | 250 | | |
| | | MN ₅ | | 01 | 19 | 12 | | 500 | | | |
| | | ME ₆ | | 01 | 28 | 13 | | | 480 | | |
| | | MN ₆ | | 02 | 11 | 12 | | 230 | | | |
| | | ME ₇ | MZ ₂ | 02 | 3 | 12 | | | 210 | | 440 |
| | | MZ ₃ | | 03 | 46 | 12 | | | 200 | | |
| | | MN ₇ | | 04 | 26 | 12 | | 160 | | | |
| | | ME ₈ | | 05 | 06 | 12 | | | 160 | | |
| | | MN ₈ | | 08 | 27 | 10 | | 66 | | | |
| | | ME ₉ | | 10 | 26 | 11 | | | 73 | | |
| | | CE ₁ | | 16 | 41 | 12 | | | 37 | | |
| | | CN ₁ | | 18 | 31 | 12 | | 36 | | | |
| | | CE ₂ | | 23 | 00 | 12 | | | 22 | | |
| | | CN ₂ | | 24 | 07 | 12 | | 32 | | | |
| | | CN ₃ | | 31 | 28 | 12 | | 17 | | | |
| | | CE ₃ | | 32 | 07 | 12 | | | 12 | | |
| | | F | | 15 | 10 | | | | | | |
| e? | " 18 | 19 | 39.8 | | | | | | | | |
| e | | | 41.7 | 4 | | | | | | | |
| iS | | 4 | 59 | 5 | | 5 | 5 | | | | |
| iPPPS | | 49 | 01 | 8 | | | 6 | | | | |
| e(SR ₂) | | 56 | 24 | 18 | | | | | | | |
| eL | | 20 | 01.0 | 24 | | | | | | | |
| ME ₁ | | | 03 | 23 | 18 | | 9 | | | | |
| MN ₁ | | | 04 | 00 | 18 | | 9 | | | | |
| ME ₂ | | | 07 | 12 | 18 | | 15 | | | | |
| MN ₂ | | | 07 | 50 | 20 | | 16 | | | | |
| ME ₃ | | | 10 | 00 | 18 | | 15 | | | | |
| MN ₃ | | | 11 | 03 | 18 | | 15 | | | | |
| ME ₄ | | | 15 | 30 | 18 | | 9 | | | | |
| MN ₄ | | | 18 | 18 | 16 | | 7 | | | | |
| MN ₅ | | | 23 | 01 | 16 | | 9 | | | | |
| ME ₅ | | | 23 | 20 | 16 | | 7 | | | | |
| F | | 21 | 30 | | | | | | | | |

(Continued on next sheet.)



No. 8 (continued)

1927, August.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. | |
|-----------------|-----------------|----------------------|---------------------|----|----|------------|------------|-------|---------|-----------------|-------------|--|
| | | | h. | m. | s. | | A_N | A_E | A_Z | | | |
| | | | | | | | μ | μ | μ | | | |
| 85 | 1927 Aug. 21 | eP | 00 | 10 | 01 | | | | | | | |
| | | eP' | | 13 | 00 | | | | | | | |
| | | c(PR ₂ ?) | 17 | .7 | | 5 | | | | | | |
| | | | 23 | 33 | | 10 | 2 | | | | | |
| | | ePS | 25 | 18 | | 12 | | | | | | |
| | | eSR | 32 | 11 | | 15 | | | | | | |
| | | SPS | 32 | 40 | | 16 | | | | | | |
| | | ePSSS | 36 | 45 | | 16 | | | | | | |
| | | eSR ₂ | 37 | 18 | | ? | | | | | | |
| | | eL | 54 | .1 | | 22 | | | | | | |
| | | ME ₁ | 56 | 24 | | 20 | | | 11 | | | |
| | | MN ₁ | 58 | 00 | | 18 | 9 | | | | | |
| | | ME ₂ | 01 | 01 | 36 | 16 | | | 7 | | | |
| | | ME ₃ | 09 | 48 | | 16 | | | 7 | | | |
| | | MN ₂ | 10 | 01 | | 16 | 12 | | | | | |
| | | MN ₃ | 26 | 21 | | 16 | 5 | | | | | |
| | | MN ₄ | 29 | 31 | | 16 | 7 | | | | | |
| eW ₂ | 02 | 01 | .0 | 20 | | | | | | | | |
| F | 02 | 45 | | | | | | | | | | |
| 86 | " 21 | e? | 22 | 46 | .3 | | | | | | | |
| | | eP | 48 | 15 | | 3 | | | 1980 | | | |
| | | IS | 51 | 34 | | 5 | 2 | 2 | 17.8° | | | |
| | | | 51 | 42 | | 5 | 5 | | | | Very small. | |
| | | | 52 | 00 | | 5 | 3 | | | | | |
| | | eL | 53 | .8 | | ? | | | | | | |
| | | MN | 55 | 50 | | ? | | | | | | |
| 87 | " 22 | F | 23 | 15 | | | | | | | | |
| | | eP | 18 | 18 | 58 | 3 | | | 2410 | | | |
| | | eS | 22 | 49 | | 6 | | | (21.7°) | | | |
| | | eL | 24 | .1 | | 24 | | | | | | |
| | | ME ₁ | 25 | 34 | | 12 | | | 6 | | | |
| | | MN ₁ | 25 | 58 | | 10 | 6 | | | | | |
| | | ME ₂ | 29 | 10 | | 10 | | | 3 | | | |
| MN ₂ | 30 | 07 | | 8 | 4 | | | | | | | |
| 88 | " 24 | F | 19 | 15 | | | | | | | | |
| | | e | 18 | 28 | .1 | | | | | | | |
| | | eL | 41 | .4 | | 20 | | | | | | |
| | | MN | 46 | 21 | | 20 | 8 | | | | | |
| | | ME | 50 | 24 | | 19 | | | 7 | | | |
| F | 19 | 20 | | | | | | | | | | |

Low. O'Leary

No.

9

1927, September.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49''$ S.

 $\lambda = 151^{\circ} 9' 30''$ E.

 $h = 41.9$ m.

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|----------------|-----|----------------|--------------|-------------------|
| Δ_N (1) | 163 | 7.5 | 3.8 | 0.03 |
| (3) | 132 | 8.0 | 2.9 | 0.03 |
| Δ_E (1) | 170 | 7.6 | 5.0 | 0.03 |
| (3) | 115 | 9.0 | 3.4 | 0.04 |
| Δ_Z (2) | 83 | 5.1 | 3.4 | 0.09 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. | |
|-----------------|-------------------|-----------------------------------|---------------------|-------|-------|------------|------------------|------------------|-----------------|-----------------|----------|--|
| | | | h. | m. | s. | | Δ_N | Δ_E | Δ_Z | | | |
| | | | μ | μ | μ | | | | | | | |
| 89 | 1927 Sept. 3.5 | e (PR ₁) | 20 | 11.3 | | | | | | | | |
| | | e (SR ₁) | | 36.7 | | | | | | | | |
| | | eL | 21 | 02.4 | 28 | | | | | | | |
| | | MN ₁ | | 09 24 | 20 | 8 | | | | | | |
| | | MN ₂ | | 15 21 | 18 | 3 | | | | | | |
| | | ME ₁ | | 17 24 | 18 | | 3 | | | | | |
| | | MN ₃ | | 20 00 | 18 | 6 | | | | | | |
| | | ME ₂ | | 24 15 | 18 | | 3 | | | | | |
| | | F | 22 | 15 | | | | | | | | |
| | | 90 | " 4 | eP | 20 | 01 13 | | | | | 1190? | |
| i (S?) | | | | 03 17 | 4 | 2 | 4 $\frac{1}{2}$ | | | | | |
| eL | | | | 04.4 | 10 | | | | | | | |
| MN ₁ | | | | 05 36 | 8 | 6 | | | | | | |
| ME ₁ | | | | 06 10 | 8 | | 6 | | | | | |
| ME ₂ | | | | 08 50 | 8 | | 2 | | | | | |
| MN ₂ | | | | 09 05 | 8 | 2 | | | | | | |
| F | 20 | | | 20 | | | | | | | | |
| 91 | " 5 | | | e? | 01 | 05.7 | | | | | | |
| | | | | eL | | 13.2 | 28 | | | | | |
| | | ME | | 16 00 | 16 | | 5 | | | | | |
| | | MN | | 21 48 | 14 | 4 | | | | | | |
| | | F | 01 | 45 | | | | | | | | |
| | | 92 | " 7 | iP | 20 | 02 01 | 4 | +2 $\frac{1}{2}$ | | | 2630 | |
| | | | | i | | 02 10 | 4 | | 2 $\frac{1}{2}$ | | (23.7°) | |
| | | | | | | 02 19 | 7 | | 9 | 1 | | |
| | | | | iS | | 06 08 | 29 | 13 | 26 | | | |
| | | | | eL | | 07.3 | 24 $\frac{1}{2}$ | | | | | |
| MN ₁ | | | | 09 23 | 10 | 42 | | | | | | |
| ME ₁ | | | | 09 23 | 10 | | 70 | | | | | |
| MZ ₁ | | | | 09 51 | 12 | | | 17 | | | | |
| ME ₂ | | | | 10 08 | 9 | | 38 | | | | | |
| MN ₂ | | | | 10 52 | 10 | 36 | | | | | | |
| 93 | " 8 | MN ₃ , ME ₃ | | 12.4 | 9 | 34 | 32 | | | | | |
| | | MN ₄ | | 13 08 | 8 | 26 | | | | | | |
| | | ME ₄ | | 14 59 | 8 | | 13 | | | | | |
| | | F | 22 | 25 | | | | | | | | |
| | | e | 17 | 16.2 | | | | | | | | |
| | | eL | | 21.4 | 22 | | | | | | | |
| | | MN ₁ | | 26 44 | 20 | 8 | | | | | | |
| | | ME ₁ | | 28 57 | 20 | | 11 | | | | | |
| | | MN ₂ | | 27 44 | 18 | 16 | | | | | | |
| | | ME ₂ | | 29 13 | 15 | | 10 | | | | | |
| MN ₃ | | 30 13 | 16 | 14 | | | | | | | | |
| ME ₃ | | 31 06 | 14 | | 10 | | | | | | | |
| MN ₄ | | 33 05 | 14 | 11 | | | | | | | | |
| xF | 18 | 10 | | | | | | | | | | |

(Continued on next sheet.)



No.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. 1927 | Phase. | Time (Greenwich) | Per. | Amplitude. | | | Δ km. | Remarks. |
|-----|---------------|------------------|---------------------|------|---------------------|---------------------|---------------------|-------------------|----------|
| | | | | | A _N μ | A _E μ | A _Z μ | | |
| 94 | Sept. 8 | e | 00 50.8 | 8 | | | | | |
| | | eL | 49.3 | 22 | | | | | |
| | | ME ₁ | 51 36 | 22 | | 9 | | | |
| | | MN ₁ | 51 42 | 18 | 10 | | | | |
| | | MN ₂ | 54 21 | 16 | 5 | | | | |
| | | ME ₂ | 55 09 | 18 | | 6 | | | |
| | " 9 | F | 00 10 | | | | | | |
| 95 | " 9 | e | 04 11.2 | | | | | | |
| | | e | 15.6 | | | | | | |
| | | e(L?) | 19.2 | ? | | | | | |
| | | MN | 22 21 | 14 | 4 | | | | |
| | | F | 04 55 | | | | | | |
| 96 | " 11 | e | 22 36.8 | | | | | | |
| | | e | 49.1 | | | | | | |
| | | eSR ₁ | 55 16 | 13 | | | | | |
| | | eSR ₂ | 23 01 10 | 30? | | | | | |
| | | eL (S) | 18.3 | 24 | | | | | |
| | | eL (F) | 22.8 | 36 | | | | | |
| | | ME ₁ | 25 14 | 30 | | 18 | | | |
| | | MN ₁ | 29 34 | 30 | 28 | | | | |
| | | ME ₂ | 29 40 | 30 | | 18 | | | |
| | | ME ₃ | 32 17 | 26 | | 13 | | | |
| | | MN ₂ | 33 59 | 24 | 12 | | | | |
| | | ME ₄ | 36 12 | 22 | | 18 | | | |
| | | MN ₃ | 39 12 | 20 | 12 | | | | |
| | | ME ₅ | 41 17 | 20 | | 19 | | | |
| | " 12 | F | 00 55 | | | | | | |
| 97 | " 13 | eP | 10 20 54 | 4 | | | 2600 | Felt strongly at | |
| | | iP | 20 57 | 4 | -5 | -5 | +2½ | 23.4°) | |
| | | iS | 21 11 | 4 | 8 | 10 | | Vila, New Heb- | |
| | | | 24 58 | 7 | -10 | +7 | | rides. | |
| | | | 25 05 | 7 | 34 | 29 | | | |
| | | | 25 15 | 9 | 42 | | | | |
| | | eL | 26.2 | 20 | | | | | |
| | | ME ₁ | 27 46 | 18 | | 15 | | | |
| | | MN ₁ | 28 33 | 16 | 24 | | | | |
| | | ME ₂ | 28 38 | 16 | | 18 | | | |
| | | MN ₂ | 29 42 | 16 | 14 | | | | |
| | | F | 11 40 | | | | | | |
| 98 | " 17 | i(P?) | 00 49 51 | 4 | 3 | | | Masked by heavy | |
| | | eL | 01 03.2 | 20 | | | | microseisms. | |
| | | MZ | 07 38 | 12 | | 12 | | | |
| | | MN ₁ | 07 45 | 10 | 20 | | | | |
| | | ME ₁ | 07 55 | 10 | | 26 | | | |
| | | MN ₂ | 09 53 | 8 | 11 | | | | |
| | | ME ₂ | 10 12 | 8 | | 8 | | | |
| | | F | 01 55 | | | | | | |
| 99 | " 18 | e | 02 09.1 | | | | | | |
| | | eL | 12.3 | ? | | | | | |
| | | MN | 13 30 | 16 | 12 | | | | |
| | | F | 02 40 | | | | | | |
| 100 | " 19 | e? | 08 36.4 | | | | | | |
| | | e(S?) | 41.3 | 12 | | | | | |
| | | eL | 44.6 | 22 | | | | | |
| | | MN ₁ | 46 09 | 20 | 20 | | | | |
| | | ME ₁ | 46 25 | 20 | | 11 | | | |
| | | MN ₂ | 47 31 | 16 | 12 | | | | |
| | | ME ₂ | 49 26 | 16 | | 9 | | | |
| | | MN ₃ | 50 19 | 16 | 10 | | | | |
| | | F | 09 45 | | | | | | |
| 101 | " 23 | eL | 14 24.5 | | | | | A few long waves. | |

Wm. Cheary Jr.



No.

10

1927, October.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ E. $h = 41.9$ m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 158 | 7.7 | 4.0 | 0.03 |
| A _N (3) | 113 | 8.2 | 3.0 | 0.03 |
| A _B (1) | 170 | 7.6 | 4.6 | 0.03 |
| A _B (3) | 103 | 9.1 | 2.9 | 0.04 |
| A _Z (2) | 80 | 5.1 | 3.3 | 0.09 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|------------------|-----------------|---------------------|---------------|---------|------------|-------------------------|-------------------------|-------------------------|-----------------|---------------------|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 102 | 1927 Sept. 30 | e(P?) | 23 | 54.1 | | | | | | | |
| | Oct. 1 | eL | 00 | 02.1 | 20 | | | | | | |
| | | MN ₁ | 03 | 34 | 14 | 7 | | | | | |
| | | ME ₁ | 03 | 59 | 16 | | 7 | | | | |
| | | MN ₂ | 05 | 00 | 12 | 10 | | | | | |
| | | ME ₂ | 05 | 34 | 16 | | 7 | | | | |
| | | F | 00 | 50 | | | | | | | |
| 103 | " 10 | e | 23 | 24.9 | | | | | | | |
| | | e(S?) | | 28.9 | | | | | | | |
| | | eL | | 32.2 | 20 | | | | | | |
| | | MN | 32 | 46 | 15 | 4 | | | | | |
| | | ME ₁ | 35 | 20 | 15 | | 8 | | | | |
| 104 | " 11 | F | 17 | 30 | 0h 10m. | | | | | | |
| | " 11 | e | 17 | 25.2 | | | | | | | |
| | | eL | | 29.1 | 18 | | | | | | |
| 105 | " 13 | ME | 31 | 21 | 12 | | 2 | | | | |
| | | MN | 32 | 24 | 12 | 2 | | | | | |
| | | F | 17 | 50 | | | | | | | |
| | | e | 04 | 29.5 | | | | | | | |
| | | eS | 32 | 41 | 10 | | | | | | |
| | | eL | 36.4 | 16 | | | | | | | |
| | | MN ₁ | 40 | 05 | 16 | 7 | | | | | |
| 106 | " 16 | ME ₁ | 41 | 45 | 10 | | 2 | | | | |
| | | ME ₂ | 44 | 43 | 12 | | 2 | | | | |
| | | MN ₂ | 45 | 21 | 12 | 5 | | | | | |
| | | F | 05 | 15 | | | | | | | |
| | | eP? | 12 | 33 | 49 | | | | | | |
| | | eL | 49.3 | 20 | | | | | | | |
| | | MN ₁ | 50 | 30 | 16 | 5 | | | | | |
| 107 | " 18 | ME ₁ | 51 | 24 | 18 | | 9 | | | | |
| | | ME ₂ | 53 | 09 | 16 | | 7 | | | | |
| | | MN ₂ | 57 | 25 | 10 | 2 | | | | | |
| | | F | 13 | 25 | | | | | | | |
| | | e | 22 | 52.8 | | | | | | | |
| | | eL | 59.2 | 18 | | | | | | Very small. | |
| | | MN | 23 | 07 | 53 | 16 | 4 | | | | |
| 108 | " 19 | eP? | 22 | 04 | 58 | | | | | 2500? | |
| | | eS | 08 | 58 | 12 | | | | | | |
| | | eL | 10.7 | 20 | | | | | | | |
| | | ME | 12 | 18 | 12 | | 12 | | | | |
| | | MN ₁ | 13 | 28 | 11 | 11 | | | | | |
| | | ME | 15 | 10 | 5 | | 10 | | | | Perhaps 2nd. shock. |
| | | MN ₂ | 15 | 30 | 7 | 5 | | | | | |
| F | 23 | 00 | | | | | | | | | |

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. | |
|-----|-----------------|-----------------------|---------------------|-----------------------------------|------|------------|---------------------|---------------------|---------------------|----------|----------|--|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | | |
| 09 | 1927 Oct. 24 | e(P?) | 16 | 13 | 31 | | | | | | | |
| | | ePR ₄ | | 25 | 10 | | | | | | | |
| | | ePS | | 28 | 15 | 20 | | | | | | |
| | | eSR | | 34 | 25 | 20 | | | | | | |
| | | eL(S) | | 44.6 | | 40 | | | | | | |
| | | | | | 45 | 49 | 40 | 120 | 160 | | | |
| | | eL(B) | | 50.2 | | 30 | | | | | | |
| | | ME ₁ | | 57 | 33 | 16 | | | 32 | | | |
| | | MN ₁ | 17 | 00 | 15 | 18 | 15 | | | | | |
| | | MZ ₁ | | 01 | 28 | 16 | | | | 12 | | |
| | | ME ₂ | | 03 | 17 | 16 | | | 18 | | | |
| | | MZ ₂ | | 05 | 15 | 16 | | | | 12 | | |
| | | MN ₂ | | 06 | 21 | 16 | 21 | | | | | |
| | | ME ₃ | | 11 | 36 | 16 | | | 9 | | | |
| | | MN ₃ | | 16 | 00 | 16 | 10 | | | | | |
| | | eV ₂ | 18 | 10.2 | | 20 | | | | | | |
| | | W ₂ series | | MN ₁ , ME ₁ | 13.4 | | 20 | 11 | 15 | | | |
| | | | | MN | 20 | 35 | 20 | 16 | | | | |
| | | | | MN | 25 | 33 | 20 | 8 | | | | |
| | | | | ME ₂ | 28 | 53 | 20 | | | 7 | | |
| 10 | " 25 | F | 20 | 00 | | | | | | | | |
| | | eP | 15 | 46 | 13 | 4 | | | | 1510 | | |
| | | eS | | 48 | 49 | 6 | | | | (13.6°) | | |
| | | | | 49 | 03 | 6 | | | 4 | | | |
| | | eL | | 50.5 | | 14 | | | | | | |
| | | MN | | 51 | 29 | 6 | 1 | | | | | |
| 11 | " 27 | ME | 52 | 10 | 6 | | | 2 | | | | |
| | | F | 16 | 15 | | | | | | | | |
| | | e | 07 | 39.7 | | ? | | | | | | |
| | | e(S?) | | 42.3 | | ? | | | | | | |
| | | eL | | 46.3 | | ? | | | | | | |
| | | ME | | 51 | 45 | 14 | | | 9 | | | |
| 12 | " 27 | MN | 53 | 14 | 14 | 9 | | | | | | |
| | | F | 08 | 15 | | | | | | | | |

No.

11

1927, November.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^\circ 49' 49'' \text{ S.}$
 $\lambda = 151^\circ 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

1927

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 194 | 8.0 | 4.7 | 0.04 |
| A _N (3) | 111 | 7.9 | 2.7 | 0.038 |
| A _E (1) | 201 | 8.0 | 5.4 | 0.05 |
| A _E (3) | 127 | 9.2 | 3.3 | 0.04 |
| A _Z (2) | 84 | 5.0 | 2.9 | 0.12 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----------------|----------------|-----------------------------------|---------------------|----|----|------------|-------------------------|-------------------------|-------------------------|-----------------|-------------------------------|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 112 | 1927 Nov. 1 | e(S?) | 20 | 55 | 9 | | | | | | |
| | | eL | 21 | 00 | 8 | 20 | | | | | |
| | | MN ₁ | | 02 | 22 | 16 | 7 | | | | |
| | | ME ₁ | | 03 | 18 | 16 | | 14 | | | |
| | | MN ₂ | | 06 | 14 | 14 | 9 | | | | |
| | | ME ₂ | | 11 | 50 | 14 | | 5 | | | |
| | | F | 21 | 35 | | | | | | | |
| 113 | " 2 | e | 21 | 28 | 8 | | | | | | Long waves, small amplitudes. |
| | | eL | | 37 | 4 | 22 | | | | | |
| | | M | | 44 | 25 | 20 | | | | | |
| | | F | 22 | 05 | | | | | | | |
| 114 | " 4 | ePR ₁ | 14 | 09 | 51 | | | | | | |
| | | ePS | | 19 | 12 | 12 | | | | | |
| | | PPS | | 20 | 13 | 16 | | 11 | | | |
| | | eSR ₁ | | 25 | 13 | 18 | | 9 | | | |
| | | eLN | | 37 | 0 | 28 | | | | | |
| | | eL ₂ | | 39 | 6 | 28 | | | | | |
| | | ME ₁ | | 41 | 12 | 24 | 23 | | | | |
| | | ME ₁ | | 42 | 13 | 24 | | 32 | | | |
| | | ME ₂ | | 45 | 11 | 22 | | 44 | | | |
| | | MN ₂ | | 45 | 33 | 20 | 20 | | | | |
| | | MN ₃ | | 47 | 27 | 20 | 16 | | | | |
| | | MN ₄ | | 51 | 23 | 18 | 9 | | | | |
| | | ME ₃ | | 52 | 15 | 18 | | 15 | | | |
| | | MN ₅ | 15 | 01 | 57 | 16 | 10 | 7 | | | |
| | | ME ₄ | | 03 | 12 | 16 | | 12 | | | |
| | | ME ₅ | | 06 | 14 | 16 | | 7 | | | |
| | | ew ₂ | 16 | 01 | 2 | 24 | | | | | |
| | | ME ₁ | | 04 | 00 | 20 | | 5 | | | |
| | | MN ₁ | | 06 | 39 | 20 | 8 | | | | |
| | | MN ₂ | | 09 | 33 | 20 | 4 | | | | |
| ME ₂ | | 09 | 39 | 20 | | 5 | | | | | |
| MN ₃ | | 13 | 59 | 20 | 6 | | | | | | |
| ME ₃ | | 15 | 28 | 20 | | 7 | | | | | |
| | | F | 17 | 25 | | | | | | | |
| 115 | " 6 | eP | 15 | 40 | 58 | 3 | | | | 4620 | |
| | | IS | | 47 | 09 | 5 | | 6 | | (41.6°) | |
| | | i ₂ | | 49 | 05 | 3 | | | | 1 ₂ | |
| | | i(L?) | | 52 | 06 | 6 | | | | 6 | |
| | | ME ₁ | | 52 | 12 | 6 | | 23 | | | |
| | | MN ₁ , ME ₂ | | 52 | 42 | 6 | 40 | 24 | | | |
| | | MN ₂ | | 53 | 13 | 6 | 39 | | | | |
| | | F | 17 | 00 | | | | | | | |

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|----------------|------------------|---------------------|-----|----|------------|----------------|----------------|------------------|-----------------|----------|
| | | | | | | | A _N | A _E | A _Z | | |
| | | | h. | m. | s. | | μ | μ | μ | | |
| 116 | 1927 Nov. 7 | iP | 00 | 09 | 08 | 2 | - | 2½ | 3 | 2880 (25.9°) | |
| | | eS | | 13 | 34 | 6 | 1 | 2½ | | | |
| | | eL | | 15 | .2 | 18 | | | | | |
| | | ME ₁ | | 17 | 04 | 18 | | 7 | | | |
| | | MN ₁ | | 17 | 24 | 18 | 6 | | | | |
| | | ME ₂ | | 20 | 18 | 14 | | 4 | | | |
| | | MN ₂ | | 20 | 38 | 14 | 2 | | | | |
| | | F | 00 | 50 | | | | | | | |
| 117 | " 7 | e | 19 | 51 | .4 | | | | A few long waves | | |
| | | • | | 56 | .2 | | | | | | |
| 118 | " 8 | eP | 03 | 22 | 11 | 3 | | | | 8200 (74°) | |
| | | eS | | 31 | 44 | 8 | | | | | |
| | | eL | | 46 | .4 | 22 | | | | | |
| | | ME ₁ | | 49 | 02 | 18 | | 11 | | | |
| | | MN ₁ | | 50 | 30 | 16 | 3 | | | | |
| | | ME ₂ | | 51 | 24 | 16 | | 7 | | | |
| | | MN ₂ | | 56 | 24 | 14 | 2 | | | | |
| | | F | 04 | 55 | | | | | | | |
| 119 | " 9 | e | 01 | 13 | .9 | | | | 4100? | | |
| | | eL | | 20 | .5 | 28 | | | | | |
| | | ME ₁ | | 22 | 12 | 20 | | 17 | | | |
| | | MN | | 23 | 58 | 16 | 8 | | | | |
| | | ME ₂ | | 25 | 50 | 12 | | 19 | | | |
| | | F | 02 | 10 | | | | | | | |
| 120 | " 10 | eP? | 03 | 13 | .1 | | | | 4100? | | |
| | | iz | | 13 | 13 | 2? | | | | | |
| | | e | | 14 | .1 | | | | | | |
| | | e(S?) | | 18 | .8 | 8? | | | | | |
| | | | | 19 | 43 | 5 | | 12 | | | |
| | | | | 19 | 59 | 5 | | 13 | | | |
| | | | | 20 | 09 | 5 | 12 | | | | |
| | | eL | | 20 | .2 | 13 | | | | | |
| | | | | 21 | 49 | 5 | 11 | 8 | | | |
| | | ME | | 22 | 33 | 11 | | 4 | | | |
| | | MN | | 22 | 40 | 11 | 3 | | | | |
| | | F | 03 | 50 | | | | | | | |
| | | 121 | " 14 | eLE | 01 | 03 | .1 | 22 | | | |
| eLN | | | | 10 | .1 | 20 | | | | | |
| MN | | | | 17 | 09 | 16 | | | | | |
| 122 | " 14 | e? | 05 | 13 | .7 | | | | | | |
| | | iPR ₂ | | 21 | 46 | 4 | 2 | 2 | | | |
| | | eL | | 48 | .9 | 20? | | | | | |
| | | MN ₁ | | 57 | 09 | 18 | 4 | | | | |
| | | MN ₂ | 06 | 02 | 08 | 16 | 3 | | | | |
| | | MN ₃ | | 05 | 56 | 16 | 3 | | | | |
| | | ME ₁ | | 09 | 20 | 16 | | 2 | | | |
| | | ME ₂ | | 14 | 08 | 16 | | 4 | | | |
| | | F | 07 | 10 | | | | | | | |
| | | | | | | | | | | | |
| 123 | " 14 | iPR ₄ | 07 | 44 | 03 | 5 | 5 | 2 | | | |
| | | eSR ₁ | | 52 | 40 | 10 | | | | | |
| | | eLE | 08 | 03 | .7 | 26 | | | | | |
| | | eLN | | 07 | .6 | 24 | | | | | |
| | | ME ₁ | | 08 | 22 | 24 | | 8 | | | |
| | | MN | | 13 | 10 | 16 | 6 | | | | |
| | | ME ₂ | | 13 | 26 | 16 | | 3 | | | |
| | | F | 09 | 10 | | | | | | | |

(Continued on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|-----------------|-----------------------------------|---------------------|-------|----|------------|----------------|----------------|-----------------|----------------------|----------------|
| | | | h. | m. | s. | | A_N μ | A_E μ | A_Z μ | | |
| 124 | 1927 Nov. 14 | eL | 15 | 46.8 | 20 | | | | | | |
| | | ME | | 53 16 | ? | | | | | | |
| | | MN | | 53 23 | 16 | 5 | | | | | |
| | | F | 16 | 40 | | | | | | | |
| 125 | " 15 | e(P?) | 06 | 04 04 | | | | | 2460? | | |
| | | e(S?) | | 08 00 | | | | | | | |
| | | eL | | 09.9 | 16 | | | | | | |
| | | MN ₁ | | 10 14 | 14 | 6 | | | | | |
| | | ME | | 10 58 | 14 | | 5 | | | | |
| | | MN ₂ | | 12 08 | 10 | 3 | | | | | |
| | | F | 06 | 30 | | | | | | | |
| 126 | " 16 | iP | 21 | 18 39 | 3 | 5 | 2 | | 5140 (46.3°) | h m s 0, 21 09 59 | |
| | | iz | | 20 26 | 4 | | | 5 | | | |
| | | PR ₁ | | 20 32 | 4 | 7 | 7 | | | | |
| | | iS | | 25 23 | 10 | 21 | 16 | | | | |
| | | PS | | 25 32 | 10 | 30 | 25 | | | | |
| | | | | 25 55 | 10 | 24 | 41 | | | | |
| | | iSR ₁ | | 28 48 | 10 | 48 | 28 | | | | |
| | | | | 29 00 | 10 | 88 | 105 | | | | |
| | | | | 29 13 | 10 | 88 | 110 | | | | |
| | | | | 29 17 | 10 | 83 | 88 | | | | |
| | | eL | | 29.9 | ? | | | | | | L waves early. |
| | | | | 34 11 | 12 | | 53 | | | | |
| | | | | 35 07 | 12 | 32 | | | | | |
| | | ME ₁ | | 36 39 | 14 | | 60 | | | | |
| | | ME ₂ | | 38 25 | 20 | | 125 | | | | |
| | | MN ₁ , ME ₃ | | 39 35 | 20 | 140 | 175 | | | | |
| | | MZ ₁ | | 39 39 | 18 | | | 74 | | | |
| | | MN ₂ | | 40 17 | 20 | 120 | | | | | |
| | | ME ₄ | | 40 49 | 20 | | 230 | | | | |
| | | ME ₅ | | 41 21 | 20 | | 155 | | | | |
| | | MZ ₂ | | 42 09 | 18 | | | 30 | | | |
| | | MN ₃ | | 42 23 | 20 | 110 | | | | | |
| | | MN ₄ | | 44 08 | 16 | 73 | | | | | |
| | | F | 23 | 45 | | | | | | | |
| 127 | " 17 | eP | 13 | 58 02 | | | | | 2780 (25.0°) | | |
| | | iS | 14 | 02 22 | 4 | 21 | 5 | | | | |
| | | | | 02 26 | 4 | 5 | 16 | | | | |
| | | i | | 03 42 | 4 | 9 | | | | | |
| | | SR ₁ | | 04 02 | 4 | 10 | 8 | | | | |
| | | SR ₃ | | 04 40 | 4 | 6 | 13 | | | | |
| | | eL | | 05.3 | 12 | | | | | | |
| | | | | 06 00 | 5 | 14 | | | | | |
| | | MN, ME ₁ | | 07 30 | 10 | 14 | 10 | | | | |
| | | ME ₂ | | 10 08 | 10 | | 12 | | | | |
| | | F | lost in no. 128. | | | | | | | | |
| 128 | " 17 | e | 14 | 43.9 | | | | | | | |
| | | eL | | 45.2 | ? | | | | | | |
| | | VME | | 51 42 | 14 | | 2 | | | | |
| | | MN | | 51 52 | 14 | 2 | | | | | |
| | | F | 15 | 20 | | | | | | | |
| 129 | " 18 | e | 03 | 35.4 | | | | | | | |
| | | e(S?) | | 44.1 | 7 | | | | | | |
| | | eL | | 51.1 | 16 | | | | | | |
| | | MN | | 52 46 | 14 | 5 | | | | | |
| | | F | 04 | 35 | | | | | | | |

(Continued on next sheet.)



Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ E. $h = 41.9$ m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

| | V | T ₀ | $\epsilon:1$ | $\frac{r}{T_0^2}$ |
|--------------------|-----|----------------|--------------|-------------------|
| A _N (1) | 244 | 11.7 | 7.1 | 0.02 |
| A _N (3) | 111 | 8.3 | 4.2 | 0.04 |
| A _E (1) | 237 | 11.2 | 5.1 | 0.02 |
| A _E (3) | 95 | 12.2 | 5.6 | 0.02 |
| A _Z (2) | 87 | 5.1 | 3.0 | 0.09 |

| No. | Date. | Phase. | Time (Greenwich) | | | Per. | Amplitude. | | | Δ km. | Remarks. |
|-----|----------------|-------------------|------------------|----|-----|------|----------------|----------------|----------------|----------------------|----------|
| | | | h. | m. | s. | | A _N | A _E | A _Z | | |
| | | | | | | | μ | μ | μ | | |
| 135 | 1927 Dec. 1 | eP? | 04 | 45 | 08 | | | | | 5370? | |
| | | e(S?) | | 52 | 06 | | | | | | |
| | | SR ₁ ? | | 53 | 54 | 10 | | | | | |
| | | eL ₁ | | 55 | .0 | 20 | | | | | |
| | | MN ₁ | 05 | 01 | 50 | 20 | 18 | | | | |
| | | MN ₂ | | 03 | 20 | 20 | 30 | | | | |
| | | ME ₁ | | 03 | 30 | 20 | | 20 | | | |
| | | ME ₂ | | 05 | 11 | 18 | | 16 | | | |
| | | MN ₂ | | 07 | 22 | 20 | 20 | | | | |
| | | ME ₃ | | 08 | 04 | 18 | | 21 | | | |
| | | MN ₃ | | 10 | 06 | 18 | 16 | | | | |
| | | ME ₄ | | 12 | 17 | 18 | | 9 | | | |
| | | F | 05 | 50 | | | | | | | |
| 136 | " 4 | e | 07 | 04 | 06 | | | | | Very small. | |
| | | i | | 09 | 50 | 3 | 2 | 2 | | | |
| | | i | | 10 | 38 | 3 | 3 | | | | |
| 137 | " 5 | eL | 18 | 31 | .1 | ? | | | | | |
| | | MN ₁ | | 40 | 07 | 18 | 10 | | | | |
| | | ME | | 41 | 14 | 18 | | 7 | | | |
| | | MN ₂ | | 44 | x26 | 16 | 3 | | | | |
| | | F | 19 | 05 | | | | | | | |
| 138 | " 8 | eL _N | 00 | 19 | .4 | 30 | | | | A few long waves. | |
| | | L _E | | 27 | .4 | 30 | | | | | |
| 139 | " 11 | e(S?) | 15 | 39 | .8 | | | | | | |
| | | eL | | 44 | .1 | 16? | | | | | |
| | | ME ₁ | | 48 | 20 | 18 | | 7 | | | |
| | | MN ₁ | | 49 | .00 | 16 | 8 | | | | |
| | | ME ₁ | | 49 | 16 | 18 | | 13 | | | |
| | | ME ₂ | | 50 | 53 | 16 | | 7 | | | |
| | | MN ₂ | | 52 | 40 | 16 | 6 | | | | |
| | | F | 16 | 30 | | | | | | | |
| | | iP | 17 | 33 | 05 | 4 | 2½ | 5 | ½ | | 4780 |
| | | iPR ₁ | | 34 | 37 | 4 | 1 | 2 | | | (43.0°) |
| 140 | " 11 | | | 34 | 46 | 4 | 4 | 3 | | h m s 0, 17 24 52 | |
| | | iS | | 39 | 25 | 5 | 2½ | 3 | | | |
| | | eL | | 45 | .6 | 24? | | | | | |
| | | MN ₁ | | 48 | 05 | 20 | 13 | | | | |
| | | ME ₁ | | 49 | 32 | 15 | | 5 | | | |
| | | MN ₂ | | 50 | 06 | 16 | 12 | | | | |
| | | ME ₂ | | 53 | 08 | 16 | | 9 | | | |
| | | MN ₃ | | 53 | 14 | 16 | 5 | | | | |
| | | ME ₃ | | 55 | 13 | 16 | | 5 | | | |
| | | F | 18 | 40 | | | | | | | |

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

| No. | Date. | Phase. | Time (Greenwich) | | | Per. s. | Amplitude. | | | Δ km. | Remarks. |
|-----|-----------------|-----------------------------------|---------------------|-------|-----|------------|---------------------|---------------------|---------------------|----------|----------|
| | | | h. | m. | s. | | A _N μ | A _E μ | A _Z μ | | |
| 141 | 1927 Dec. 12 | e | 19 | 02.3 | | | | | | | |
| | | eL | | 05.7 | 20 | | | | | | |
| | | MN ₁ | | 08 15 | 14 | 4 | | | | | |
| | | ME ₁ | | 08 53 | 16 | | | 3 | | | |
| | | ME ₂ | | 10 06 | 14 | | | 6 | | | |
| | | MN ₂ | | 11 07 | 14 | 5 | | | | | |
| 142 | " 15 | ME ₃ | | 13 19 | 14 | | | 4 | | | |
| | | F | 19 | 50 | | | | | | | |
| | | e? | 16 | 24.2 | | | | | | | |
| | | e | | 27.3 | | | | | | | |
| | | iS | | 30 04 | 6 | 4 | | | | | |
| | | eL | | 32.1 | 20? | | | | | | |
| 143 | " 20 | MN ₁ | | 33 38 | 12 | 6 | | | | | |
| | | ME ₁ | | 35 03 | 16 | | | 5 | | | |
| | | MN ₂ | | 36 17 | 12 | 4 | | | | | |
| | | MN ₃ , ME ₂ | | 38 00 | 12 | 3 | | 4 | | | |
| | | F | 17 | 10 | | | | | | | |
| | | e | 06 | 04.1 | | | | | | | |
| 144 | " 21 | e(L?) | | 08.4 | 20? | | | | | | |
| | | ME ₁ | | 10 07 | 16 | | | 8 | | | |
| | | MN ₁ | | 10 17 | 16 | 4 | | | | | |
| | | MN ₂ | | 12 06 | 10 | | | | | | |
| | | ME ₂ | | 13 36 | 10 | | | 2 | | | |
| | | F | 06 | 45 | | | | | | | |
| 145 | " 22 | e | 04 | 33.8 | | | | | | | |
| | | eL | | 40.9 | 18 | | | | | | |
| | | MN | | 43 15 | 16 | 5 | | | | | |
| | | ME | | 45 08 | 16 | | | 3 | | | |
| 146 | " 26 | F | 05 | 00 | | | | | | | |
| | | e | 14 | 07.4 | | | | | | | |
| | | eL | | 11.4 | 24? | | | | | | |
| 146 | " 26 | MN | | 12 37 | 16 | 5 | | | | | |
| | | ME | | 14 28 | 12 | | | 2 | | | |
| | | F | 14 | 40 | | | | | | | |
| | | i | 10 | 45 04 | 4 | 7 | | 7 | | | |
| 146 | " 26 | ME | | 52 00 | 14 | | | 10 | | | |
| | | MN | | 52 06 | 14 | 9 | | | | | |
| | | F | 11 | 00 | | | | | | | |

(Continued on next sheet.)