

MAWSON

1959.

109

COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT

BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

203 Collins Street,
MELBOURNE. VIC.

SEISMOLOGICAL BULLETIN

MAWSON

FEBRUARY to DECEMBER, 1959

Latitude: 67°36'21" S. Longitude: 62°52'48"E. Height: 8 metres.

Foundation: Pre-Cambrian Granite.

Instruments: Leet-Blumberg Variable Capacitance Seismometers, 3 components.

| No. | Date 1959 | Phase | Time (G.M.T.) | Per. | Amplitude | | | Δ | Remarks |
|-----|--------------|---------|------------------|------|----------------|----------------|----------------|---|------------------------------------|
| | | | | | A _N | A _E | A _Z | | |
| | | | h.m.s. | s. | | | | | |
| 1 | March 28 | iP Z | 15 42 38 | 1 | | | | | Compression. |
| 2 | 28 | iP Z | 17 17 19 | 2 | | | | | Compression. |
| 3 | 28 | iP Z | 19 58 30 | | | | | | Rarefaction. |
| | | ipP Z | 20 00 35 | 1 | | | | | USCGS: 20S 178½W |
| | | iX Z | 52 59 | | | | | | |
| 4 | April 27 | iP Z | 09 59 52 | | | | | | Compression. |
| | | iX Z | 10 00 32 | 3 | | | | | USCGS: 7S 129E |
| 5 | 28 | iX Z | 17 31 14 | | | | | | Compression. |
| | | | | | | | | | USCGS: 52N 173W |
| 6 | 30 | iP Z | 02 38 29 | | | | | | Rarefaction. |
| 7 | May 4 | iPKP Z | 07 34 57 | 1 | | | | | USCGS: 52½N 159½E |
| | | ePP Z | 38 11 | | | | | | |
| | | iX Z | 46 20 | 1 | | | | | |
| 8 | 16 | iP Z | 06 28 57 | 1 | | | | | Compression. |
| | | | | | | | | | USCGS: 4½S 152½E |
| 9 | 21 | iP Z | 11 46 23 | 1 | | | | | Compression. |
| | | iX Z | 46 36 | | | | | | USCGS: Chile, Argentine Border. |
| 10 | 22 | iP Z | 07 07 13 | 2 | | | | | Compression. |
| | | iX Z | 07 27 | | | | | | USCGS: 40S 176E |
| 11 | 24 | iPKP Z | 19 36 39 | 1 | | | | | Rarefaction. <i>K</i> |
| | | epP Z | 36 59 | 1 | | | | | |
| | | ePP Z | 38 45 | 6 | | | | | USCGS: 17½N 97W |
| | | eSKP Z | 40 12 | | | | | | |
| | | eSKKP Z | 49 37 | 5 | | | | | |
| | | iX Z | 53 25 | | | | | | |
| 12 | Sept. 14 | iP Z | 13 27 58 | 1 | | | | | Rarefaction. |
| | | | | | | | | | USCGS: 24S 176½W |
| 13 | 14 | iP Z | 14 21 20 | 1 | | | | | Compression. |
| | | eS Z | 30 49 | 17 | | | | | USCGS: 28½S 177W |
| | | iX Z | 15 10 20 | 1 | | | | | |
| 14 | 14 | iP Z | 17 17 55 | 1 | | | | | Compression. |
| | | iPcP Z | 18 14 | 2 | | | | | USCGS: 28½S 177W |
| 15 | 15 | iP Z | 06 20 29 | 2 | | | | | Rarefaction. |
| | | | | | | | | | USCGS: Aftershock of above. |

| No. | Date 1959 | Phase | Time (G.M.T.) | Per. | Amplitude | | | Δ | Remarks |
|---|--------------|-------|------------------|------|----------------|----------------|----------------|---|---|
| | | | | | A _N | A _E | A _Z | | |
| | | | h.m.s. | s. | | | | | |
| 16 | Sept. 15 | iP | Z 06 29 11 | 2 | | | | | USCGS: Aftershock of No. 14. |
| | | iX | Z 42 40 | 20 | | | | | |
| 17 | 15 | iP | Z 11 16 46 | 1 | | | | | Compression. |
| | | eX | Z 18 55 | | | | | | USCGS: 21 $\frac{1}{2}$ S 179 $\frac{1}{2}$ W |
| 18 | 27 | iP | Z 12 10 25 | 1 | | | | | Rarefaction. |
| 19 | 27 | iP | Z 13 45 34 | 1 | | | | | Compression. |
| INSTRUMENT OUT OF ACTION AFTER SEPTEMBER 1959. | | | | | | | | | |

(J.M. RAYNER)
DIRECTOR