Seismological Bulletin No.29

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

MILNE-SHAW SEISMOGRAPH No.41 E-W COMPONENT.
Period 12 secs. Damping ratio 20:1 Tilt 1" = 40.4mm.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| Jan. 1 | 12 28 23 | iP | - | | | |
| | 28 33 | i | - | | | |
| | 29 20 | PR1 | | | | |
| | 31 42 | i | | | | |
| | 34 15 | S | | | 37.7 | |
| | 37 42 | SR1 | | | | |
| | 39 20 | L | | | | amplitudes less than S and SR1 |
| | 43.5 | M | 36 | 17 | | |
| 3 | 2 2 53 | P | vs | | | identification aided by cabled |
| | 6 17 | PR1 | vs | | | reports |
| | 13 20 | S | | | | |
| | 13 34 | S | | | 87.5 | |
| | 14 25 | PS | | | | |
| | 19 4 | SR1 | | | | |
| | 30.3 | L | | | | |
| | 43.3 | M | 12 | 25 | | |
| 4 | 0 24 57 | e | vs | | | |
| | 28 7 | e | vs | | | |
| | 38.1 | M | 3 | 15 | | |
| 4 | 15 4 13 | e | vs | | | |
| | 46.3 | L | | | | |
| 4 | 19 5 52 | e | vs | | | |
| | 10.3? | L | | | | |
| 5 | 10 22 27 | S | | | | |
| | 26 7 | SR1 | | | | |
| | 31 ca | L | | | | |
| | 36.2 | M | 9 | 20 | | |
| 14 | 2 19 40 | iS | s | | | |
| | 23 3 | SR1 | s | | | no L. |
| 14 | 22 42 32 | iS | s | | | similar to preceding. |
| | 45 56 | SR1 | s | | | no L. |
| 17 | 2 14 1 | iP | + | | | |
| | 18 40 | S | | | 26.9 | |
| | 21 0 | L | | | | |
| | 23.3 | M1 | 61 | 16 | | |
| | 25.4 | M2 | 65 | 16 | | |
| 18 | 11 13 45 | e | vs | | | |
| | 16.5 | L | | | | |
| | 20.9 | M | 6 | 12 | | |
| 20 | 0 8 48 | i | vs | | | |
| | 15.2 | M | 2 | 10 | | |
| 22 | 15 3 40 | eP | vs | | | |
| | 4 17 | PR1 | vs | | | |
| | 9 16 | S | | | 35.1 | |
| | 9 50 | i | | | | |
| | 11 33 | SR1 | | | | |
| | 15 14 | L | | | | |
| | 17.0 | M | 74 | 7 | | |

Seismological Bulletin No.29 contd.

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

Universal

| Date 1935 | Time h | m | s | Phase | A | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|---|---|
| Jan.23 | 7 | 44 | 50 | e | vs | | | |
| | | 48 | 18 | e | | | | |
| | | 49 | 11 | iS | | | | |
| | | 55 | 40 | i | s | | | |
| | | 56 | 19 | i | s | | | |
| | | 59 | 30 | SR2 | | | | |
| | 8 | 9 | ca | L | | | | |
| | | 15.7 | | M | 34 | 20 | | |
| 31 | 17 | 52 | 20 | e | s | | | |
| | | 54 | 11 | e | s | | | |
| | | 57 | 20 | S | | | | |
| | 18 | 0 | 59 | i | | | | |
| | | 1 | 50 | L | | | | |
| | | 4.7 | | M | 18 | 13 | | |
| Feb. 4 | 8 | 2 | 37 | e | vs | | | |
| | | 5 | 55 | e | vs | | | |
| | | 11 | ca | L | | | | |
| | | 18.0 | | M | 4 | 16 | | |
| 4 | 17 | 31 | 56 | e | vs | | | P? |
| | | 37 | 58 | e | vs | | | S? |
| | | 41 | 4 | e | vs | | | L? |
| | | 50.8 | | M | 5 | 15 | | |
| 22 | 17 | 20 | 30 | e | vs | | | |
| | | 29 | 58 | i | vs | | | |
| | | 30 | 43 | S | | | | |
| | | 37 | 0 | e | | | | |
| | | 43 | 48 | e | | | | much longer period superposed |
| | | 45 | 43 | L | | | | |
| | | 49.9 | | M | 26 | 13 | | |
| 23 | 3 | 40 | 49 | i | vs | | | |
| | | 41 | 56 | e | vs | | | |
| | | 46 | 6 | i | | | | |
| | | 50 | 35 | L | | | | |
| | | 51.7 | | M | 9 | 20 | | |
| 23 | 12 | 38 | 45 | e | vs | | | |
| | | 41 | 55 | i | s | | | |
| | | 42 | 40 | L | | | | |
| | | 45.3 | | M | 7 | 10 | | |
| 24 | 11 | 10 | 27 | i | s | | | |
| | | 18 | 7 | L | | | | |
| | | 23.0 | | M | 7 | 16 | | |
| 25 | 3 | 13.5 | | e | vs | | | |
| | | 24.7 | | i | s | | | |
| 27 | 9 | 23 | 52 | i | | | | |
| | | 26 | 53 | i | | | | |
| | | 34 | 53 | L | | | | |
| | | 36.6 | | M | 13 | 21 | | |

Seismological MELBOURNE OBSERVATORY
Bulletin No.29 SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| Mar. 5 | 9 35 26 | eL | | | | |
| | 38 24 | eL | | | | |
| | 41.4 | M | 5 | 13 | | |
| 8 | 5 27 12 | e | vs | | | |
| | 28 5 | i | s | | | |
| | 31 28 | L | s | | | |
| 11 | 15 8 17 | e | s | | | almost obliterated by micros |
| | 15 18 | i | s | | | |
| | 20 50 | i | s | | | |
| 12 | 13 49 20 | L1 | s | | | |
| | 57 35 | L2 | s | | | |
| 13 | 18 50 57 | i | s | | | |
| | 52 0 | L | | | | |
| | 53.1 | M | 19 | 21 | | |
| 14 | 11 46.9 | e | vs | | | |
| | 50.8 | L | | | | |
| 14 | 12 21 30 | i | s | | | |
| | 30 43 | i | s | | | |
| | 33.3 | L | | | | |
| 14 | 13 51 5 | e | | | | |
| | 54 12 | L | | | | |
| | 55.4 | M | 10 | 18 | | |
| 14 | 15 41 27 | e | vs | | | |
| | 45 52 | i | s | | | |
| | 51 24 | L | | | | |
| | 55.1 | M | 18 | 20 | | |
| 15 | 11 22 14 | e | s | | | |
| | 23 39 | e | | | | |
| | 24 10 | L | | | | |
| | 24.8 | M | 29 | 18 | | |
| 16 | 8 3 22 | e | s | | | obscured by micros. |
| | 10 57 | i | s | | | |
| 20 | 23 3 53 | eP | + | | | |
| | 9 2 | S | | | 31.0 | |
| | 11 24 | SR1 | | | | |
| | 12 24 | L | | | | |
| | 14.8 | M | 186 | 20 | | |
| 29 | 12 30 45 | P | - | | | |
| | 32 9 | i | | | | |
| | 36 9 | S | | | 33.3 | |
| | 38 11 | SR1 | | | | |
| | 40 23 | L | | | | |
| | 42.9 | M | 60 | 13 | | |
| 30 | 2 23.3 | L | | | | |
| | 25.5 | M | 6 | 20 | | |

J. M. Baldwin.
Government Astronomer

Seismological Bulletin No.30

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.
MILNE-SHAW SEISMOGRAPH No.41 E-W COMPONENT.
Period 12 secs. Damping ratio 20:1 Tilt 1"= 44.7mm.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks. |
|---|---|---|---|---|---|---|
| Apr. 1 | 2 27 32 | e | | | | |
| | 36.4 | L | | | | |
| | 40.3 | M | 4 | 15 | | |
| 3 | 20 45.3ca | e | vs | | | |
| | 56 53 | i | vs | | | |
| | 21 24.7 | M | 3 | 12 | | |
| 5 | 3 8 14 | i | vs | | | |
| | 10 53 | i | s | | | |
| | 12 53 | L | | | | |
| | 13.3 | M | 10 | 20 | | |
| 9 | 23 10 55 | e | s | | | |
| | 15.2 | M | 6 | 14 | | |
| 10 | 12 21 10 | e | vs | | | |
| | 27.5? | L | vs | | | |
| 11 | 1 38 10 | i | vs | | | may be S |
| | 53.0 | L | | | | |
| | 57.2 | M | 10 | 25 | | |
| 11 | 23 43 42 | i | vs | | | |
| 12 | 0 15.3 | L | | | | |
| | 22.0 | M | 6 | 20 | | |
| 12 | 1 37 43? | P | vs | | | felt in S.E.Queensland. |
| | 39 27 | S | | | | |
| | 39 42 | i | | | | |
| | 40.1 | M | 26 | 4 | | |
| 13 | 20 34.4 | e | vs | | | |
| | 41 | L | vs | | | |
| 16 | 20 49 46 | i | vs | | | |
| | 54.7 | M | 2 | 13 | | |
| 19 | 15 42 44 | i | vs | | | |
| | 45 35 | e | s | | | |
| | 52 5 | e | s | | | |
| | 59 26 | e | | | | |
| | 16 4 7 | i | | | | possibly SR1 |
| | | | | | | |
| | 9 54 | i | | | | possibly SR2 |
| | 28.0? | L | | | | |
| | 41.3 | M1 | 43 | 20 | | |
| | 45.7 | M2 | 43 | 19 | | |
| 20 | 19 48 18 | e | vs | | | |
| | 56 56 | i | vs | | | |

Seismological Bulletin No.30 contd.

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ | Remarks. |
|---|---|---|---|---|---|---|
| Apr.20 | 22 16 43 | e | vs | | | |
| | 21 30 | i | s | | | |
| | 21 55 | i | s | | | |
| | 29 26 | i | | | | |
| | 34 13 | L | | | | |
| | 40.6 | M | 10 | 14 | | |
| 21 | 7 40 21 | e | vs | | | |
| | 43 51 | i | s | | | |
| | 45 45 | i | s | | | |
| | 46 6 | i | | | | |
| | 47 10 | L | | | | |
| | 55.7 | M | 9 | 16 | | |
| 23 | 17 27.4 | e | vs | | | |
| | 30 38 | e | vs | | | |
| | 34 20 | i | s | | | |
| 29 | 11 50 44 | i | vs | | | |
| | 53 0 | i | s | | | |
| | 55.3? | L | | | | |
| | 57.7 | M | 5 | 12 | | |
| May 3 | 1 11.6? | e | vs | | | |
| | 13.8 | m | 2 | 8 | | |
| 7 | 6 4 10? | i | vs | | | |
| | 10 33 | i | | | | |
| | 14 3 | i | | | | |
| | 14.5 | m | 8 | 13 | | |
| | 22.6 | L? | | | | |
| 12 | 19 57 32 | e | vs | | | |
| | 57 39 | i | s | | | |
| | 20 1 40 | L | | | | |
| | 5.4 | M | 9 | 14 | | |
| 13 | 20 14 12 | i | s | | | |
| | 18 37 | i | vs | | | |
| | 26 0 | e | vs | | | |
| | 27 5 | L | | | | |
| | 38.4 | M | 12 | 20 | | |
| 13 | 23 59.0 | e | vs | | | preceded by very small, irregular move- |
| 14 | 0 4 10 | i | | | | ments for about 40 m. |
| | 6.5 | M | 6 | 14 | | |
| 14 | 23 35 54 | e | vs | | | |
| | 45 30 | iS | | | | most prominent feature |
| | 51 8 | i | | | | |
| | 54 20 | e | | | | |
| | 57 53 | i | | | | |
| | 59.6 | L | | | | |
| 16 | 20 58 2 | i | | | | |
| | 21 0 7 | i | | | | |
| | 9 45 | L | | | | |
| | 12.5 | M | 20 | 21 | | |

Seismological Bulletin No.30 contd.

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| May 18 | 21 37 30 | e | vs | | | |
| | 42 10 | i | s | | | |
| | 442 36 | i | s | | | |
| | 45 8 | L | | | | |
| | 46.9 | M | 9 | 20 | | |
| 20 | 5 36 26 | i | | | | |
| | 39 53 | i | | | | |
| | 48.3 | L | | | | |
| | 49.3 | M | 9 | 20 | | |
| 21 | 6 58 33? | e | vs | | | |
| | 7 3 20 | S | | | | |
| | 5 22 | i | | | | |
| | 6 59 | L | | | | |
| | 11.9 | M | 50 | 12 | | |
| 21 | 12 54 46 | e | vs | | | |
| | 13 4 36 | e | vs | | | |
| | 17 47 | i | s | | | may be new disturbance |
| | 20 6 | i | s | | | |
| | 26.3 | m | 7 | 10 | | |
| 24 | 5 46 0 | eP | s | | | |
| | 48 20 | PR1 | | | | |
| | 53 20 | eS | | | 51.6 | |
| | 53 25 | iS | + | | + | |
| | 57 3 | SR1 | | | | |
| | 6 0 0? | L | | | | |
| | 5.3 | M | 286 | 27 | | |
| 25 | 0 24 52 | e | s | | | |
| | 28 37 | i | s | | | |
| | 35 14 | L? | s | | | |
| 26 | 22 14 13 | e | s | | | |
| | 20 35 | S | | | | |
| | 24 14 | e | | | | |
| 27 | 3 19 20 | e | vs | | | |
| | 23 17 | e | s | | | |
| | 27 22 | L | | | | |
| | 30.4 | M | 17 | 20 | | |
| 30 | 21 57 13 | e | s | | | preceded and obscured by strong micros |
| | 57 38 | i | s | | | destructive at Quetta, Baluchistan. |
| | 58 10 | i | | | | |
| | 22 0 53 | i | | | | |
| | 2 34 | i | | | | |
| | 9 20 | e | | | | few long waves |
| | 14 58 | i | | | | |
| | 17 37 | i | | | | |
| | 18 46 | i | | | | |
| | 20 10 | i | | | | |
| | 23 3 | L | | | | few long waves of irregular period. |
| | 33.0 | M | 157 | 20 | | |

Seismological Bulletin No.30 contd.

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t | Δ ° | Remarks. |
|---|---|---|---|---|---|---|
| June 16 | 6 30 13 | e | vs | | | |
| | 34 41 | i | s | | | |
| | 35 28 | i | s | | | |
| | 40.5 | M | 5 | 10 | | |
| 18 | 17 38 48 | e | s | | | |
| | 40 47 | i | s | | | |
| | 42ca | L | | | | |
| | 42.8 | M | 2 | 7 | | |
| 18 | 17 47 29 | i | | | | local; felt in N.E. suburbs |
| | 47 34 | F | | | | |
| 18 | 22 44 32 | S | | | | |
| | 45 11 | i | s | | | |
| | 48 17 | i | s | | | |
| | 54 15 | i | s | | | |
| | 55 50 | i | | | | |
| | 56.2 | m | 8 | 12 | | |
| 19 | 22 26 33 | e | | | | |
| | 28.5 | L | | | | |
| | 31.9 | M | 21 | 20 | | |
| 22 | 15 57 48 | e | vs | | | |
| | 16 2 8 | i | | | | |
| | 7 27 | i | | | | |
| | 9 10 | L | | | | |
| | 11.2 | M | 21 | 20 | | |
| 23 | 9 38 14? | e | vs | | | |
| | 41 38 | L | | | | |
| | 42.3 | M | 5 | 8 | | |
| 23 | 15 24 7 | L? | | | | |
| | 29.5 | m | 6 | 20 | | |
| 24 | 23 29 13 | P | - | | | |
| | 34 21 | S | | | 30.9 | |
| | 36.7 | L | | | | |
| | 39.5 | M1 | 188 | 20 | | |
| | 47.2 | M2 | 116 | 13 | | |
| 29 | 7 18 48 | i | s | | | |
| | 25 26 | e | s | | | |
| | 29 26 | e | vs | | | |
| | 43 25 | L | | | | |
| | 46.7 | M | 8 | 22 | | |

J. M. Baldwin.
J. M. Baldwin,
Government Astronomer.

mall, undeciphorable disturbances were recorded as follows:-

ril 1d 15h; 3d 7h, 17h; 4d 10h; 12d 19h; 20d 6h, 11h; 24d 16h.

ay 1d 11h; 16d 4h; 17d 22h; 21d 15h.

une 2d 5h, 10h; 3d 2h; 8d 0h; 25d 12h; 28d 2h; 29d 18h.

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

Seismological
Bulletin No.31

MILNE-SHAW SEISMOGRAPH No.41 E-W COMPONENT.
Period 12 secs. Damping ratio 20 : 1 Tilt 1" = 42.6mm.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| July 6 | 7 57 36 | i | s | | | |
| | 58 23 | L | s | | | |
| | 8 1.2 | M | 3 | 9 | | |
| 6 | 22 4 0 | e | | | | may be micros |
| | 4 34 | e | vs | | | |
| | 6 24 | i | s | | | |
| | 6 58 | i | s | | | |
| | 9.3 | m | 6 | 10 | | |
| 7 | 13 41 52 | i | s | | | followed by very shallow waves. |
| 9 | 13 51 43 | eP | vs | | | probably in Goulburn district N.S.W. |
| | 52 2 | S | | | | |
| 9 | 21 19 8 | e | vs | | | |
| | 22 27 | e | vs | | | |
| | 29 40 | i | s | | | |
| 11 | 13 21 24 | e | | | | |
| | 26.5 | L | | | | |
| | 30.0 | M | 12 | 20 | | |
| 15 | 12 4 53 | eP | s | | | |
| | 9 18 | eS | | | 25.5 | Jeffreys & Bullen's Tables |
| | 9 31 | i | | | | |
| | 11 43 | L | | | | |
| | 12 51 | i | | | | |
| | 29.0 | m | 5 | 4 | | |
| 15 | 14 24 42 | i | s | | | |
| | 28 7 | i | s | | | |
| | 29 0 | i | s | | | remainder quite insignificant. |
| 17 | 11 8 47 | i | s | | | |
| | 19 40 | e | | | | few long waves. |
| | 27 41 | L | | | | |
| | 35.0 | M | 12 | 20 | | |
| 19 | 1 10 50 | e | vs | | | |
| | 11 1 | S | | | | |
| | 11 43 | i | | | | |
| | 15 43 | i | s | | | |
| | 19 9 | i | s | | | |
| | 22 17 | i | s | | | |
| | 26 32 | L | | | | |
| | 27.2 | M | 19 | 26 | | |
| 29 | 7 45 13 | e | + | | | reported as about 500 km deep by JSA C&GS and Wellington |
| | 45 17 | iP | - | | | |
| | 46 41 | i | | | | |
| | 47 42 | i | | | | |
| | 48 52 | i | | | | continued on next sheet |

MELBOURNE OBSERVATORY

Seismological Bulletin No.31 contd. SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks. |
|---|---|---|---|---|---|---|
| July 29 | 7 50 14 | iS | 200? | ? | | largest amplitude in record. |
| | 53 2 | i | | | | next amplitude in size. |
| | 55ca | L | | | | surface waves not large |
| 30 | 5 57 39 | c | s | | | |
| | 6 3 0 | L | | | | |
| | 7.8 | M | 32 | 17 | | |
| Aug. 3 | 1 20 23 | c | s | | | |
| | 20 31 | iP | - | | | |
| | 20 54 | i | s | | | |
| | 24 29 | i | s | | | |
| | 28 50 | S | + | | 61.2 | |
| | 34 3 | i | | | | |
| | 38 10 | L | | | | |
| | 44.8 | M1 | 220 | 21 | | |
| | 49.4 | M2 | 171 | 18 | | |
| 6 13 | 5 52 | c | vs | | | |
| | 7 10 | L | s | | | |
| | 8.6 | M | 7 | 14 | | |
| 6 16 | 30.4 | c | vs | | | |
| | 33.0 | L | | | | |
| | 34.2 | M | 6 | 13 | | |
| 10 | 17 54 13 | c | vs | | | |
| | 59 44 | i | s | | | |
| | 18 4 47 | c | s | | | |
| | 12 | L | | | | |
| | 13.7 | M | 5 | 17 | | |
| 17 | 1 50 23 | cP | | | | |
| | 50 30 | iP | + | | | |
| | 51 23 | m | 59 | 10 | | |
| | 54 32 | i | | | | |
| | 55 10 | S | | | 28.3 | from S - cP |
| | 57 20 | L | | | | |
| | 58.3 | M | 487? | 20? | | |
| 20 17 | 0 15 | c | vs | | | |
| | 4.3 | M | 5 | 17 | | |
| 21 | 13 56 33 | i | vs | | | |
| | 58 36 | i | s | | | |
| 14 | 6 30 | i | s | | | |
| | 11.7 | M | 5 | 15 | | |
| 23 | 10 29 18 | i | vs | | | |
| | 32 14 | i | s | | | |
| | 34 54 | i | s | | | |
| | 36 50 | L | | | | |
| | 39.4 | M | 5 | 14 | | |

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

Seismological
Bulletin No.31 contd.

| Date 1935 | Universal Time h | m | s | Phase | A μ | t | Δ ° | Remarks. |
|---|---|---|---|---|---|---|---|---|
| Aug.23 | 14 | 7 | 0 | e | vs | | | |
| | | 14 | 8 | S | | | | |
| | | 17 | 47 | e | | | | |
| | | 20 | 56 | e | | | | |
| | | 23 | 50 | L | | | | |
| | | 30.4 | | M | 40 | 19 | | |
| 26 | 12 | 33 | 5 | e | vs | | | |
| | | 35.6 | | L | | | | |
| | | 40.4 | | M | 4 | 14 | | |
| Sept.2 | 7 | 30 | 15 | i | s | | | obscured by micros. |
| | | 35 | 40 | i | | | | |
| 4 | 1 | 47 | 42 | e | vs | | | |
| | | 56 | 53 | i | s | | | |
| | | 57 | 22 | i | s | | | |
| | 2 | 5 | 2 | i | s | | | |
| | | 8 | 7 | i | | | | few waves of longer period. |
| | | 10 | 49 | i | | | | |
| 9 | 6 | 25 | 54 | eP | vs | | | |
| | | 26 | 34 | i | s | | | |
| | | 29 | 19 | i | | | | |
| | | 29 | 54 | i | | | | |
| | | 32 | 18 | S | | 43.0 | | |
| | | 32 | 51 | i | | | | |
| | | 35 | 42 | SS | | | | |
| | | 37 | 50 | L | | | | |
| | | 42.4 | | M1 | 140 | 15 | | |
| | | 44.7 | | M2 | 96 | 11 | | |
| 11 | 11 | 51 | 52 | e | vs | | | |
| | | 53 | 9 | i | s | | | |
| | | 57 | 23 | i? | | | | |
| | 12 | 1 | 30 | L | | | | |
| | | 3.8 | | M | 32 | 17 | | |
| 11 | 14 | 16 | 17 | e | vs | | | |
| | | 20 | 4 | e | | | | |
| | | 26 | 11 | e | | | | |
| | | 26 | 23 | i | | | | |
| | | 26 | 47 | i | | | | |
| | | 31 | 17 | i | | | | |
| | | 35 | 5 | i | | | | |
| | | 37 | 25 | e | | | | two waves of longer period. |
| | | 41.a | | L | | | | |
| | | 51.3 | | M | 81 | 21 | | |
| 15 | 6 | 31.3 | | L | s | | | |
| 15 | 11 | 22 | 14 | e | vs | | | |
| | | 27 | 5 | iS | | | | |
| | | 29 | 13 | L | | | | |
| | | 34.7 | | M | 23 | 17 | | |

MELBOURNE OBSERVATORY

Seismological Bulletin No.31 contd. SOUTH YARRA S.E.1 VICTORIA

| Date 1935 | Universal Time h | m | s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|---|---|
| Sept 15 | 14 | 29 | 12 | e | s | | | |
| | | 31 | 45 | e | | | | |
| | | 37 | 10 | i | | | | |
| | | 43 | 39 | i | s | | | |
| | | 46 | 56 | L | | | | followed by long train of very |
| | | 49.3 | | M | 33 | 22 | | irregular waves. |
| 19 | 2 | 38 | 0 | e | s | | | |
| | | 40 | 42 | L | | | | |
| | | 43.9 | | M | 17 | 20 | | |
| 20 | 1 | 53 | 30 | eP | | | | destructive in N.E. New Guinea. |
| | | 53 | 45 | IP | | | | |
| | | 56 | 17 | i | | | | |
| | | 58 | 50 | S | | | | some uncertainty in time owing to |
| | 2 | 1.2 | | L | | | | overlapping |
| | | | | m | | | | off paper from 5.5m to 13m. |
| 20 | 5 | 31 | 18? | iP | | | | previous still recording. |
| | | 38 | 20 | S | ◆ | | | |
| | | 37 | 20 | L | | | | |
| 20 | 13 | 9 | 7 | e | vs | | | |
| | | 10 | 37 | i | s | | | |
| | | 13.4 | | M | 4 | 10 | | |
| 20 | 20 | 18 | 42 | i | vs | | | |
| | | 22 | 50 | L | s | | | |
| | | 24.4 | | M | 4 | 14 | | |
| 20 | 21 | 13 | 19 | e | vs | | | |
| | | 13 | 50 | i | s | | | |
| | | 16 | 25 | i | | | | |
| | | 17 | 53 | i | | | | |
| | | 18 | 55 | i | | | | |
| | | 19 | 31 | L | | | | |
| | | 24.2 | | M | 68 | 16 | | |
| 20 | 21 | 51 | 40 | e | | | | previous still recording. |
| | | 54 | 2 | i | | | | |
| | | 55 | 28 | i | | | | |
| | | 57 | 0 | i | | | | |
| | | 58 | 0 | i | 20 | 11 | | main feature. |
| 21 | 12 | 58 | 41 | e | vs | | | |
| | | 59 | 35 | L | | | | |
| | 13 | 2.7 | | M | 5 | 10 | | |
| 21 | 13 | 16 | 43 | e | vs | | | |
| | | 20 | 4 | i | | | | |
| | | 22.2 | | M | 3 | 10 | | |
| 23 | 9 | 9 | 0 | e | vs | | | possibly only micro. |
| | | 14 | 30 | e | s | | | |
| | | 16 | 50 | e | s | | | |
| | | 18 | 59 | i | s | | | continued on next sheet |

MELBOURNE OBSERVATORY

Seismological Bulletin No.31 contd.

SOUTH YARRA S.E.1 VICTORIA

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| Sept 23 | 9 19 33 | L | | | | |
| | 20 33 | i | | | | possibly beginning of larger disturbance. |
| | 21 58 | i | | | | |
| | 22 48 | i | | | | |
| | 27 43 | i | | | | |
| | 30 33 | i | | | | |
| | 32 57 | i | | | | |
| | 33 27 | L | | | | |
| | 39.3 | M | 487 | 14 | | |
| 24 | 5 13 11 | c | vs | | | |
| | 13 31 | i | vs | | | |
| | 15 40 | i | | | | |
| | 16 34 | i | | | | |
| | 17 43 | i | | | | |
| | 19 11 | L | | | | |
| | 19.6 | M | 22 | 7 | | |
| 24 | 8 7 20 | L | | | | |
| | 8.7 | M | 5 | 12 | | |
| 25 | 10 32 12 | cP | | | | |
| | 33 54 | i | | | | |
| | 36 50 | S | | | 27.1 | |
| | 37 57 | L | | | | |
| | 42.0 | M | 104 | 11 | | |
| 25 | 12 43 0 | i | s | | | |
| | 47 24 | i | s | | | |
| | 47 49 | i | | | | |
| | 48 54 | i | | | | |
| | 49 8 | L | | | | |
| | 53.4 | M | 28 | 10 | | |
| 26 | 22 32 33 | i | | | | |
| | 37 43 | cL | | | | |
| | 40.5 | M | 5 | 10 | | |
| 27 | 3 39 26 | i | vs | | | no very distinct features. |
| | 50ca | L | | | | |
| 30 | 3 4 37 | c | vs | | | |
| | 6 43 | i | vs | | | |

Small or insignificant disturbances were recorded as follows:-

July 3d;22h;5d 18h; 11d 7h; 16d 16h;16d 20h; 17d 18h; 24d 3h,5h; 26d 11h; 29d 4h; 22h;30d 11h; 31d 10h,18h.
Aug. 1d 14h;3d 12h;5d 13h;9d 6h;13d 8h;25d 20h;27d 11h;28d 3h.
Sept.3d 23h;18d 4h;20d 13h,14h,15h;21h;21d 21h;23d 13h,15h; 24d 4h,13h,23h.

Small or very small movements are shown by s or vs respectively.

J. M. Baldwin.
Government Astronomer.

MELBOURNE OBSERVATORY

Seismological SOUTH YARRA S.E.1 VICTORIA.

Bulletin No.32 Milne-Shaw Seismograph No.41 E-W Component.

Period 12 secs. Damping ratio 20:1 Tilt 1° = 41.3mm.

Universal

| Date 1935 | Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| Oct. 2 | 5 51 23 | i | vs | | | |
| | 55 14 | S | | | | |
| | 6 0 27 | SS | | | | |
| | 9.5 | L | | | | |
| | 17.5 | M | 10 | 22 | | |
| 4 | 5 15 33 | e | vs | | | |
| | 17 36 | e | s | | | |
| | 19 20 | L | | | | |
| | 20.8 | M | 6 | 20 | | |
| 4 | 5 30 0 | i | s | | | only outstanding phase |
| | 39 13 | i | s | | | |
| 6 | 4 41 50 | P | s | | | |
| | 42 24 | i | s | | | |
| | 44 35 | i | s | | | |
| | 46 26 | S | | | 26.8 | (Jeffrey's & Bullen) |
| | 46.9 | m | 12 | 12 | | |
| | 49 17 | L | | | | |
| | 56.5 | M | 25 | 15 | | |
| 11 | 22 24 45 | e | vs | | | hardly distinguishable from micros. |
| | 28.7 | iS | | | | |
| | 30 20 | L | | | | |
| | 31 9 | i | | | | few waves of much longer period |
| | 36.4 | M | 185 | 14 | | |
| 12 | 17 7 6 | S | | | | |
| | 12 30 | e | | | | |
| | 19 25 | L | | | | long period waves for about 5 mins. |
| | 21.4 | m | 24 | 30 | | |
| 18 | 0 33 45 | e | vs | | | any earlier movement hidden by micros |
| | 34 0 | S | | | | |
| | 38 53 | i | s | | | |
| | 39 20 | i | s | | | |
| | 45 45 | L | | | | |
| | 50.4 | M | 18 | 25 | | surface waves of small amplitude |
| 18 | 2 45.5 | L | | | | |
| | 57.5 | M | 5 | 15 | | |
| 18 | 11 14 45 | P | | | | |
| | 16 48 | PP | | | | |
| | 21 40 | S | | | 47.8 | |
| | 25 29 | SS | | | | |
| | 28 48 | L | | | | |
| | 33.6 | M | 47 | 16 | | |
| 25 | 0 0 22 | e | vs | | | |
| | 4 24 | i | s | | | |
| | 7 43 | i | | | | |
| | 8 39 | L | | | | |
| | 12.3 | M | 15 | 15 | | |

Seismological
Bulletin No.3 contd. MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| Nov. 1 | 16 42 38 | i | s | | | |
| | 47 0 | e | | | | |
| | 50 33 | i | | | | |
| | 55.2 | L | | | | |
| | 17 10.7 | M | 25 | 20 | | |
| 4 | 11 23 15 | e | vs | | | |
| | 26.3 | M | 8 | 12 | | |
| 5 | 9 40 46 | e | vs | | | |
| | 45 10 | i | s | | | |
| | 47 26 | L | | | | |
| | 48.2 | M | 12 | 11 | | |
| 5 | 21 12 52 | i | s | | | |
| | 16 10 | i | | | | main feature of train |
| | 26.4 | L | | | | all amplitudes small |
| 6 | 1 57 14 | e | vs | | | |
| | 2 0 54 | e | vs | | | |
| 7 | 20 50 43 | S | | | | |
| | 51 33 | L | | | | |
| | 56.5 | M | 7 | 10 | | |
| 8 | 20 18 43 | S | | | | |
| | 20 22 | L | | | | |
| | 21.3 | M | 8 | 9 | | |
| 11 | 3 13 0 | L | s | | | |
| | 13.5 | M | 2 | 20 | | |
| 11 | 7 54 31 | e | vs | | | |
| | 58.4 | m | 2 | 10 | | |
| 11 | 13 24 8 | e | | | | S? |
| | 26 32 | e | | | | |
| | 27 54 | L | | | | |
| | 32.3 | M | 14 | 13 | | |
| 12 | 21 46 45 | i | s | | | only perceptible owing to absence of micros |
| | 54 37 | i | vs | | | |
| | 56.7 | L | vs | | | |
| | 22 2.7 | M | 12 | 25 | | |
| 14 | 19 55 0 | e | vs | | | possibly micro. |
| | 20 3 28 | e | vs | | | |
| | 4 55 | i | vs | | | |
| | 8 34 | i | s | | | |
| | 10 10 | L | | | | |
| | (11ca | | | | | three waves of much longer period) |
| | 13.6 | M | 67 | 25 | | |

Seismological Bulletin No.32 contd

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

Universal

| Date 1935 | Time h m s | Phase | A μ | t s | Δ ° | remarks |
|---|---|---|---|---|---|---|
| nov.17 | 7 49.5 | c | | | | small and obscured by micros. |
| | 53 8 | i | | | | |
| | 55 8 | i | | | | |
| | 56 52 | L | | | | |
| | 8 1.5 | M | 15 | 12 | | |
| 25 | 10 13 42 | iP | vs | | | only perceptible owing to absence |
| | 22 28 | iS | s | | 65.8 | of micros |
| | 23 38 | i | | | | |
| | 34.3? | L | | | | |
| | 49.8 | M | 16 | 17 | | |
| 29 | 18 35 33 | c | vs | | | |
| | 40.2 | L | vs | | | |
| 30 | 4 2 30 | i | vs | | | |
| | 45.8 | L | | | | |
| | 50.7 | M | 4 | 16 | | |
| | 56.8 | L | | | | |
| | 59.5 | M | 6 | 18 | | |
| Dec.5 | 17 58 14 | c | vc | | | |
| | 59 47 | i | vs | | | |
| | 18 4 15 | i | | | | |
| | 7 15 | i | | | | |
| | 8 7 | i | | | | |
| | 9 32 | L | | | | |
| | 11.2 | M | 18 | 20 | | |
| 6 | 11 52 35 | e | vs | | | |
| | 54.6 | L | | | | |
| | 56.9 | M | 3 | 12 | | |
| 8 | 21 58 18 | i | vs | | | |
| | 22 8 13 | e | vs | | | |
| | 16 8 | L | s | | | |
| 9 | 7 28 18 | P | | | | |
| | 31 59 | S | | | | |
| | 32.3 | m | 43 | 14 | | |
| | 33.5 | L | | | | |
| | 34.3 | M | 28 | 12 | | |
| 12 | 6 13 33 | e | vs | | | |
| | 14 30 | L | s | | | |
| 14 | 1 52 13 | e | vs | | | |
| | 56 43 | i | vs | | | |
| | 2 3 54 | i | | | | |
| | 7 20 | i | | | | main feature |
| | 12 0 | i | s | | | remainder insignificant. |
| 1 | 22 26 17 | i | vs | | | |
| | 31 25 | i | s | | | |
| | 42 57 | e | | | | |
| | 43 23 | i | | | | main feature |

Seismological Bulletin No.32contd

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | Remarks |
|---|---|---|---|---|---|---|
| Dec.14 | 22 46 3 | i | | | | |
| | 48 42 | i | | | | |
| | 23 2 20 | L | | | | all succeeding amplitudes less than |
| | 24 6 | L | | | | at 43m |
| 15 | 7 14 13 | eP | | | | |
| | 14 29 | iP | | | | |
| | 19 12 | S | | | 30.0 | |
| | 19 44 | i | | | | |
| | 21 30 | L | | | | |
| | 24m - 26m- | | | | | record off paper |
| 15 | 19 17 22 | e | vs | | | |
| | 19 59 | i | | | | |
| | 21 0 | L | | | | |
| | 23 | M | 9 | 11 | | |
| 16 | 6 22 25 | e | vs | | | |
| | 25.5 | L | | | | |
| 17 | 13 23 13 | e | vs | | | |
| | 28 19 | i | s | | | |
| | 32.5 | L | | | | |
| | 35.5 | M | 23 | 11 | | |
| 17 | 19 28 11 | i | vs | | | |
| | 36 23 | i | | | | |
| | 43 23 | i | | | | |
| | 45.6 | L | | | | |
| | 48.8 | M | 66 | 26 | | |
| 18 | 11 42 54 | i | | | | |
| | 44 5 | L | | | | |
| | 47.1 | M | 8 | 12 | | |
| 20 | 18 43 23 | iP | | | | |
| | 48 22 | S | | | 30.0 | |
| | 51 0 | L | | | | |
| | 55.9 | M | 132 | 12 | | |
| 22 | 16 53 - 23 35 | | | | | record lost; stoppage of clock. |
| 24 | 13 2 48 | e | vs | | | |
| | 27 0 | L | | | | |
| | 40.4 | M | 6 | 15 | | |
| 25 | 3 25 17 | e | vs | | | |
| | 28.4 | L | | | | |
| | 31.7 | M | 6 | 20 | | |
| 26 | 5 40 25 | e | vs | | | |
| | 43 58 | e | vs | | | |
| | 50.5 | L | | | | |
| | 53.2 | M | 6 | 15 | | |

Seismological Bulletin No.32contd

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

| Date 1935 | Universal Time h m s | Phase | A μ | t s | Δ ° | remarks |
|---|---|---|---|---|---|---|
| Dec.26 | 10 50.9 | L | | | | |
| | 51.4 | M | 3 | 14 | | |
| 26 | 20 12 35 | c | vs | | | |
| | 17 14 | i | | | | |
| | 19 41 | i | s | | | |
| | 20 56 | L | | | | |
| | 23.5 | M | 18 | 13 | | |
| 27 | 15 47.4 | c | vs | | | |
| | 50.6 | M | 3 | 14 | | |
| 28 | 2 45 11 | cP | + | | | |
| | 45 20 | i | - | | | |
| | 47 40 | PP | | | | |
| | 53 2 | S | - | | 56.8 | |
| | 56 56 | SS | | | | |
| | 3 4 30 | L | | | | |
| | 6.5m - 11m | | record off paper. | | | |
| 29 | 3 57 31 | c | vs | | | |
| | 4 9.5 | L | | | | |
| | 14.5 | M | 7 | 22 | | |
| 29 | 23 44 34 | iP | - | | | |
| | 46 13 | i | | | | |
| | 50 18 | S | + | | 36.8 | |
| | 50.5 | m | 42 | 12 | | |
| | 52 0 | i | | | | |
| | 53 2 | i | | | | |
| | 56.5 | L | | | | |
| | 58.0 | M | 256 | 16 | | |
| 30 | 1 28 18 | c | vs | | | |
| | 41.5 | L | | | | |
| 30 | 6 22 35 | i | s | | | |
| | 29 47 | i | | | | |
| | 33.7 | M | 3 | 13 | | |
| 30 | 23 38 30 | c | vs | | | |
| | 42ca | L | | | | |
| | 47.5 | M | 6 | 13 | | |
| 31 | 1 45 32 | i | vs | | | |
| | 55ca | L | | | | |
| | 2 1.2 | M | 7 | 20 | | |

Small and insignificant disturbances were recorded as follows:-
Oct.2d 12h,19h;10d 12h,15h,20h;15d 1h;17d 15h;18d 15h;20d 9h; 31d 23h.
nov.6d 0h;9d 5h; 11d 12h; 13d 23h; 19d 6h; 22d 10h; 23d 8h; 26d 18h.
dec. 4d 9h; 7d 12h;16d 11h;18d 7h; 21d 9h;28d 17h.

J. M. Baldwin.

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Government Astronomer.