

PERTH, WESTERN AUSTRALIA

SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for January 1955 - March, 1955.

|  |                                  |  |
|--|----------------------------------|--|
| <p><u>INSTRUMENT</u><br/>Columbia-lamont long<br/>period seismograph<br/>Milne - Shaw no. 27</p> | <p><u>SYMBOL</u><br/>A<br/>M</p> | <p><u>COMPONENT</u><br/>Vertical<br/>North - South</p> |
|--|----------------------------------|--|

JANUARY 1955

| No. | Date              | Inst. | Phase | Time<br>G.M.T. |      |    | Amp<br>cms | Remarks                         |
|-----|-------------------|-------|-------|----------------|------|----|------------|---------------------------------|
|     |                   |       |       | h.             | m.   | s. |            |                                 |
| 1.  | Jan. 5            | A     | iP    | 0              | 57   | 50 |            | Off south coast of New Zealand. |
|     |                   | M     | iP    | -              | 57   | 53 | .16        |                                 |
|     |                   | M     | i     | -              | 58   | 30 | .11        |                                 |
|     |                   | M     | i     | -              | 58   | 42 | .08        |                                 |
|     |                   | A     | iPP   | -              | 59   | 25 |            |                                 |
|     |                   | M     | iPP   | -              | 59   | 30 | .25        |                                 |
|     |                   | M     | i     | 1              | 0    | 7  | .15        |                                 |
|     |                   | M     | i     | -              | 0    | 36 | .40        |                                 |
|     |                   | M     | i     | -              | 2    | 50 | .20        |                                 |
|     |                   | A     | i S   | -              | 3    | 57 |            |                                 |
|     |                   | M     | iS    | -              | 4    | 3  |            |                                 |
|     |                   | M     | i     | -              | 7    | 5  | .95        |                                 |
|     |                   | M     | M     | -              | 9    | 38 | 3.20       |                                 |
|     |                   | M     | LQ    | -              | 11   | 25 | 1.50       |                                 |
| M   | LR                | -     | 14    | 48             | 1.50 |    |            |                                 |
| M   | F                 | 3     | 32    |                |      |    |            |                                 |
| 2.  | Jan. 5            | A     | iP    | 17             | 57   | 28 |            | New Hebrides                    |
|     |                   | M     | iS    | 18             | 4    | 40 | .20        |                                 |
|     |                   | A     | iS    | -              | 4    | 44 |            |                                 |
|     |                   | M     | ScS   | -              | 7    | 26 | .20        |                                 |
|     |                   | M     | LQ    | -              | 9    | 2  | .14        |                                 |
|     |                   | M     | LR    | -              | 11   | 42 | .12        |                                 |
|     |                   | M     | M     | -              | 16   | 45 | .95        |                                 |
|     |                   | M     | M     | -              | 18   | 55 | 1.05       |                                 |
|     |                   | M     | F     | 19             | 53   |    |            |                                 |
| 3.  | Jan. 5<br><br>(6) | A     | i     | 23             | 51   | 3  |            | New Hebrides                    |
|     |                   | M     | i     | -              | 51   | 20 | .25        |                                 |
|     |                   | M     | iS    | -              | 58   | 13 | .12        |                                 |
|     |                   | M     | i     | 0              | 2    | 22 | .15        |                                 |
|     |                   | M     | LR    | -              | 5    | 12 | .20        |                                 |
|     |                   | M     | LQ    | -              | 9    | 37 | .55        |                                 |
|     |                   | M     | M     | -              | 12   | 22 | 2.00       |                                 |
|     |                   | M     | M     | -              | 14   | 8  | 2.75       |                                 |
| 4.  | Jan. 6            | M     | eS    | 2              | 38   | 40 | .10        | New Hebrides<br>aftershock      |
|     |                   | M     | i     | -              | 43   | 5  | .10        |                                 |
|     |                   | M     | i     | -              | 46   | 0  | .12        |                                 |
|     |                   | M     | M     | -              | 50   | 28 | .35        |                                 |
| 5.  | Jan. 6            | A     | iP    | 10             | 4    | 35 |            | New Hebrides<br>aftershock      |
| 6.  | Jan. 8            | A     | iP    | 7              | 42   | 46 |            | Santa Cruz<br>Islands           |
|     |                   | A     | iS    | -              | 50   | 5  |            |                                 |
|     |                   | M     | i     | -              | 50   | 13 | .30        |                                 |
|     |                   | M     | i     | -              | 53   | 20 | .15        |                                 |
|     |                   | A     | i     | -              | 54   | 2  |            |                                 |
|     |                   | M     | i     | -              | 54   | 32 | .25        |                                 |
|     |                   | M     | i     | -              | 58   | 48 | .25        |                                 |
|     |                   | M     | M     | 8              | 1    | 7  | .85        |                                 |
|     |                   | M     | i     | -              | 2    | 2  | .75        |                                 |
|     |                   | M     | M     | -              | 2    | 55 | 1.15       |                                 |



| No. | Date    | Inst. | Phase | Time<br>G.M.T. |    |    | Amp<br>cms | Remarks                     |
|-----|---------|-------|-------|----------------|----|----|------------|-----------------------------|
|     |         |       |       | h.             | m. | s. |            |                             |
| 7.  | Jan. 13 | A     | iP    | 2              | 18 | 12 |            | Fox Islands<br>in Aleutians |
|     |         | A     | i     | -              | 22 | 33 |            |                             |
|     |         | M     | i     | -              | 28 | 55 | .05        |                             |
|     |         | M     | i     | -              | 31 | 5  | .10        |                             |
|     |         | M     | Maxs  | -              | 57 | 8  | .13        |                             |
|     |         | M     | to    | 3              | 6  | 10 |            |                             |

Tremors and undecipherable disturbances were registered on the records of instrument M on January:- 3rd (1), 5th (1), 6th (1), 7th (1), 9th (1), 13th (1), 18th (2), 22nd (1), 23rd (1), 28th (1) and 31st (1).

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|     |          |   |      |    |     |    |      |                    |
|-----|----------|---|------|----|-----|----|------|--------------------|
| 8.  | Feb. 2.  | A | e    | 7  | 32  | 49 | .05  | Tonga Is.          |
|     |          | A | e    | -  | 48  | 6  | .05  |                    |
|     |          | A | e    | -  | 48  | 27 | .05  |                    |
|     |          | A | e    | -  | 52  | 7  | .11  |                    |
|     |          | A | M    | -  | 57  | 54 | .26  |                    |
|     |          | A | M    | -  | 59  | 33 | .30  |                    |
| 9.  | Feb. 3.  | A | e    | 6  | 16  | 30 | .06  |                    |
|     |          | A | e    | -  | 20  | 47 | .10  |                    |
|     |          | A | Maxs | -  | 21  | 4  | .21  |                    |
|     |          | A | to   | -  | 22  | 25 |      |                    |
| 10. | Feb. 3   | A | e    | 13 | 42  | 35 |      |                    |
|     |          | A | Maxs | -  | 46  | 17 | .11  |                    |
|     |          | A | to   | -  | 51  | 30 |      |                    |
| 11. | Feb. 4.  | A | iP   | 7  | 30  | 23 | .30  | Mascarene Is.      |
|     |          | A | i    | -  | 30  | 33 | .30  |                    |
|     |          | A | i    | -  | 32  | 12 | .17  |                    |
|     |          | M | i    | -  | 36  | 28 | .05  |                    |
|     |          | A | e    | -  | 36  | 32 | .11  |                    |
|     |          | M | i    | -  | 37  | 16 | .06  |                    |
|     |          | A | iS   | -  | 37  | 20 | .70  |                    |
|     |          | A | i    | -  | 39  | 0  | .30  |                    |
|     |          | A | e    | -  | 40  | 43 | .15  |                    |
|     |          | M | i    | -  | 41  | 36 | .20  |                    |
|     |          | M | i    | -  | 43  | 2  | .22  |                    |
|     |          | A | LR   | -  | 43  | 5  | .50  |                    |
|     |          | A | i    | -  | 43  | 33 | 1.70 |                    |
|     |          | A | M    | -  | 45  | 20 | 3.45 |                    |
|     |          | M | i    | -  | 46  | 2  | .26  |                    |
| M   | M        | - | 47   | 10 | .40 |    |      |                    |
| 12. | Feb. 5.  | A | i    | 20 | 54  | 30 | .12  | Kurile Is.         |
|     |          | A | i    | 21 | 15  | 15 | .07  |                    |
|     |          | A | i    | -  | 27  | 57 | .11  |                    |
|     |          | A | M    | -  | 35  | 38 | .13  |                    |
| 13. | Feb. 10. | A | P    | 9  | 47  | 16 | .10  | Tonga Is.          |
|     |          | A | e    | -  | 55  | 46 | .05  |                    |
|     |          | A | i    | 10 | 11  | 5  | .11  |                    |
|     |          | A | i    | -  | 14  | 52 | .15  |                    |
|     |          | A | M    | -  | 20  | 14 | .21  |                    |
| 14  | Feb. 14. | A | iP   | 17 | 0   | 40 | .20  | Molucca<br>Passage |
|     |          | A | i    | -  | 1   | 19 | .20  |                    |
|     |          | M | i    | -  | 1   | 57 | .06  |                    |
|     |          | A | i    | -  | 2   | 11 | .25  |                    |
|     |          | A | i    | -  | 4   | 23 | .30  |                    |
|     |          | A | i    | -  | 6   | 14 | .22  |                    |

| No. | Date               | Inst. | Phase | Time<br>G.M.T. |      |    | Amp.<br>cms | Remarks                    |
|-----|--------------------|-------|-------|----------------|------|----|-------------|----------------------------|
|     |                    |       |       | h.             | m.   | s. |             |                            |
|     | Feb. 14<br>(cont.) | A     | i     | 17             | 6    | 24 | .47         |                            |
|     |                    | M     | i     | -              | 6    | 29 | .15         |                            |
|     |                    | A     | i     | -              | 8    | 22 | .35         |                            |
|     |                    | M     | i     | -              | 9    | 25 | .15         |                            |
|     |                    | M     | i     | -              | 10   | 9  | .15         |                            |
|     |                    | A     | i     | -              | 10   | 16 | .70         |                            |
|     |                    | A     | i     | -              | 11   | 57 | .70         |                            |
|     |                    | M     | i     | -              | 12   | 19 | .15         |                            |
|     |                    | M     | i     | -              | 14   | 38 | .16         |                            |
|     |                    | A     | M     | -              | 25   | 6  | 1.26        |                            |
| A   | M                  | -     | 25    | 22             | 1.30 |    |             |                            |
| 15. | Feb. 15.           | A     | iP    | 6              | 30   | 19 | .12         | New Hebrides               |
|     |                    | A     | i     | -              | 30   | 27 | .10         |                            |
|     |                    | A     | PP    | -              | 32   | 25 | .15         |                            |
|     |                    | A     | S     | -              | 37   | 33 | .20         |                            |
|     |                    | A     | i     | -              | 40   | 23 | .25         |                            |
|     |                    | A     | SS    | -              | 41   | 15 | .95         |                            |
|     |                    | M     | i     | -              | 41   | 18 | .10         |                            |
|     |                    | A     | i     | -              | 43   | 10 | .50         |                            |
|     |                    | M     | i     | -              | 47   | 32 | .15         |                            |
|     |                    | M     | M     | -              | 49   | 20 | .32         |                            |
|     |                    | A     | M     | -              | 51   | 12 | 3.15        |                            |
|     |                    | A     | M     | -              | 51   | 25 | 3.50        |                            |
| 16. | Feb. 15            | A     | iP    | 18             | 50   | 51 | .14         | New Hebrides               |
|     |                    | A     | i     | -              | 51   | 40 | .04         |                            |
|     |                    | A     | PP    | -              | 52   | 50 | .20         |                            |
|     |                    | A     | i     | -              | 58   | 12 | .10         |                            |
|     |                    | A     | i     | 19             | 1    | 31 | .18         |                            |
|     |                    | A     | SS    | -              | 1    | 47 | .55         |                            |
|     |                    | A     | e     | -              | 8    | 14 | .15         |                            |
|     |                    | A     | M     | -              | 11   | 45 | 1.55        |                            |
| 17. | Feb. 16            | A     | iP    | 11             | 35   | 38 | .12         | Banda Sea<br>(Deep seated) |
|     |                    | A     | pP    | -              | 36   | 12 | .25         |                            |
|     |                    | A     | i     | -              | 36   | 27 | .40         |                            |
|     |                    | A     | PP    | -              | 36   | 43 | .45         |                            |
|     |                    | A     | iS    | -              | 40   | 13 | .30         |                            |
|     |                    | M     | iS    | -              | 40   | 14 | .15         |                            |
|     |                    | A     | sS    | -              | 41   | 8  | .36         |                            |
|     |                    | M     | i     | -              | 41   | 20 | .25         |                            |
|     |                    | A     | i     | -              | 41   | 38 | .80         |                            |
|     |                    | A     | i     | -              | 42   | 57 | .75         |                            |
|     |                    | M     | i     | -              | 43   | 6  | .30         |                            |
| 18. | Feb. 18            | A     | e     | 23             | 25   | 22 |             | Quetta,<br>Pakistan        |
|     |                    | A     | M     | -              | 32   | 40 | .25         |                            |
| 19. | Feb. 23            | A     | eS    | 18             | 48   | 9  | .10         | Indian Ocean               |
|     |                    | A     | i     | -              | 54   | 5  | .12         |                            |
|     |                    | A     | M     | -              | 56   | 3  | .47         |                            |
|     |                    | A     | M     | -              | 57   | 13 | .36         |                            |
| 20. | Feb. 27            | A     | iP    | 20             | 53   | 23 | .85         | Kermadec Is.<br>Region     |
|     |                    | A     | i     | -              | 53   | 28 |             |                            |
|     |                    | A     | i     | -              | 53   | 33 |             |                            |
|     |                    | M     | i     | -              | 53   | 33 | .15         |                            |
|     |                    | M     | i     | -              | 53   | 57 | .20         |                            |
|     |                    | M     | i     | -              | 54   | 3  | .15         |                            |
|     |                    | A     | i     | -              | 54   | 14 | 1.24        |                            |
|     |                    | M     | i     | -              | 54   | 27 | .15         |                            |
|     |                    | M     | i     | -              | 55   | 30 | .25         |                            |
|     |                    | M     | i     | -              | 56   | 45 | .65         |                            |
|     |                    | A     | i     | -              | 57   | 0  | 2.10        |                            |
|     |                    | A     | i     | -              | 58   | 25 |             |                            |
|     |                    | M     | iS    | 21             | 1    | 17 | 1.10        |                            |
| A   | iS                 | -     | 1     | 30             | .85  |    |             |                            |
| A   | i                  | -     | 2     | 35             | 1.20 |    |             |                            |

| No. | Date               | Inst. | Phase | Time    |    |    | Amp.  | Remarks |
|-----|--------------------|-------|-------|---------|----|----|-------|---------|
|     |                    |       |       | G.M. T. |    |    |       |         |
|     |                    |       |       | h.      | m. | s. | cms   |         |
|     | Feb. 27<br>(cont.) | A     | i     | 21      | 3  | 25 | 1.75  |         |
|     |                    | M     | SS    | -       | 5  | 32 | .35   |         |
|     |                    | M     | i     | -       | 7  | 37 | .40   |         |
|     |                    | A     | i     | -       | 8  | 22 |       |         |
|     |                    | M     | i     | -       | 8  | 30 | .75   |         |
|     |                    | A     | M     | -       | 12 | 5  | 13.40 |         |
|     |                    | A     | M     | -       | 15 | 4  | 13.50 |         |
|     |                    | M     | M     | -       | 17 | 8  | 3.80  |         |
|     |                    | M     | M     | -       | 19 | 25 | 3.00  |         |
| 21. | Feb. 28            | A     | iP    | 20      | 51 | 32 | .06   |         |
|     |                    | M     | i     | -       | 51 | 36 | .03   |         |
|     |                    | A     | i     | -       | 51 | 50 | .12   |         |
|     |                    | A     | i     | -       | 52 | 53 | .07   |         |
|     |                    | A     | i     | -       | 53 | 28 | .11   |         |
|     |                    | A     | i     | -       | 53 | 57 | .10   |         |
|     |                    | A     | i     | -       | 58 | 40 | .08   |         |
|     |                    | M     | i     | -       | 58 | 50 | .06   |         |
|     |                    | A     | i     | -       | 58 | 54 | .12   |         |
|     |                    | A     | i     | -       | 59 | 3  | .20   |         |
|     |                    | A     | i     | 21      | 1  | 25 | .10   |         |
|     |                    | M     | i     | -       | 2  | 10 | .03   |         |
|     |                    | A     | i     | -       | 2  | 33 | .17   |         |
|     |                    | M     | i     | -       | 5  | 34 | .06   |         |
|     |                    | A     | i     | -       | 5  | 40 | .40   |         |
|     |                    | A     | M     | -       | 7  | 30 | 1.10  |         |
|     |                    | M     | M     | -       | 8  | 10 | .17   |         |

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on February 1st (1), 6th (2), 15th (1), 16th (1), 26th (1), and 27th (1).

By instrument "M" on February 3rd (1), 15th (1) and 23rd (1).

| No. | Date   | Inst. | Phase | Time       |      |    | Amp. | Remarks                     |  |
|-----|--------|-------|-------|------------|------|----|------|-----------------------------|--|
|     |        |       |       | G.M.T.     |      |    |      |                             |  |
|     |        |       |       | h.         | m.   | s. |      |                             |  |
|     |        |       |       | MARCH 1955 |      |    |      |                             |  |
|     |        |       |       |            |      |    | cms  |                             |  |
| 22. | Mar. 1 | A     | i     | 5          | 43   | 52 | .20  |                             |  |
|     |        | A     | i     | -          | 49   | 58 | .20  |                             |  |
| 23. | 2      | A     | i     | 1          | 45   | 15 | .20  | New Britain                 |  |
|     |        | A     | i     | -          | 55   | 0  | .35  |                             |  |
|     |        | M     | i     | -          | 55   | 14 | .10  |                             |  |
|     |        | M     | i     | -          | 57   | 2  | .16  |                             |  |
|     |        | A     | i     | 2          | 0    | 48 | .25  |                             |  |
|     |        | M     | i     | -          | 1    | 55 | .11  |                             |  |
|     |        | M     | M     | -          | 5    | 0  | 1.00 |                             |  |
| 24. | 6      | A     | iP    | 6          | 24   | 45 | .20  | Near south coast of Sumatra |  |
|     |        | A     | i     | -          | 25   | 30 | .16  |                             |  |
|     |        | A     | i     | -          | 25   | 53 | .15  |                             |  |
|     |        | A     | i     | -          | 26   | 48 | .10  |                             |  |
|     |        | A     | LR    | -          | 33   | 18 | .20  |                             |  |
|     |        | A     | M     | -          | 35   | 3  | .95  |                             |  |
|     |        | A     | F     | 7          | 48   |    |      |                             |  |
| 25. | 6      | A     | iP    | 11         | 3    | 24 | .30  | Philippines foreshock       |  |
|     |        | A     | PP    | -          | 4    | 56 | .10  |                             |  |
|     |        | A     | i     | -          | 5    | 34 | .15  |                             |  |
|     |        | A     | i     | -          | 9    | 50 | .16  |                             |  |
|     |        | A     | i     | -          | 12   | 52 | .20  |                             |  |
|     |        | A     | i     | -          | 17   | 29 | .30  |                             |  |
|     |        | A     | M     | -          | 19   | 23 | .40  |                             |  |
| 26. | 6      | A     | iP    | 13         | 41   | 28 | .85  | Philippines                 |  |
|     |        | M     | i     | -          | 41   | 28 | .14  |                             |  |
|     |        | A     | i     | -          | 41   | 40 | .61  |                             |  |
|     |        | A     | i     | -          | 42   | 7  | .30  |                             |  |
|     |        | A     | i     | -          | 43   | 7  | .25  |                             |  |
|     |        | A     | i     | -          | 43   | 20 | .40  |                             |  |
|     |        | M     | i     | -          | 45   | 35 | .12  |                             |  |
|     |        | A     | iS    | -          | 47   | 35 | .30  |                             |  |
|     |        | M     | i     | -          | 47   | 45 | .12  |                             |  |
|     |        | A     | i     | -          | 47   | 58 | .65  |                             |  |
|     |        | M     | i     | -          | 49   | 27 | .13  |                             |  |
|     |        | A     | i     | -          | 51   | 23 | .45  |                             |  |
|     |        | M     | M     | -          | 57   | 20 | .20  |                             |  |
| A   | M      | -     | 58    | 18         | 1.05 |    |      |                             |  |
| 27. | 7      | A     | e     | 4          | 53   | 35 | .30  | New Hebrides                |  |
|     |        | A     | i     | 5          | 0    | 48 | .42  |                             |  |
|     |        | A     | i     | -          | 4    | 50 | .30  |                             |  |
|     |        | A     | M     | -          | 15   | 5  | 1.40 |                             |  |
| 28. | 7      | A     | e     | 15         | 21   | 8  | .31  | Kermadec Is.                |  |
|     |        | A     | M     | -          | 23   | 30 | .55  |                             |  |
| 29. | 9      | A     | i     | 6          | 2    | 33 | .20  |                             |  |
|     |        | A     | i     | -          | 4    | 32 | .20  |                             |  |
|     |        | A     | i     | -          | 5    | 10 | .21  |                             |  |
|     |        | A     | i     | -          | 12   | 42 | .41  |                             |  |
|     |        | A     | M     | -          | 13   | 43 | .70  |                             |  |
| 30. | 10     | A     | i     | 21         | 43   | 37 | .20  |                             |  |
|     |        | A     | M     | -          | 47   | 42 | .65  |                             |  |
| 31. | 13     | A     | i     | 4          | 1    | 5  | .15  |                             |  |
|     |        | A     | i     | -          | 3    | 47 | .45  |                             |  |
|     |        | A     | i     | -          | 4    | 48 | .45  |                             |  |
| 32. | 16     | A     | e     | 22         | 33   | 27 | .11  | Easter Island Region        |  |
|     |        | A     | M     | -          | 37   | 27 | .50  |                             |  |

| No. | Date    | Inst. | Phase | Time   |       |    | Amp. | Remarks                       |  |
|-----|---------|-------|-------|--------|-------|----|------|-------------------------------|--|
|     |         |       |       | G.M.T. |       |    |      |                               |  |
|     |         |       |       | h.     | m.    | s. | cms  |                               |  |
| 33  | Mar. 17 | A     | i     | 17     | 48    | 57 | .06  | New Britain                   |  |
|     |         | A     | i     |        | 57    | 48 | .08  |                               |  |
|     |         | A     | i     | 18     | 0     | 58 | .20  |                               |  |
|     |         | A     | M     | -      | 4     | 52 | .55  |                               |  |
| 34. | 18      | A     | iP    | 0      | 20    | 3  | .53  | North East coast of Kamchatka |  |
|     |         | M     | e     | -      | 20    | 6  | .05  |                               |  |
|     |         | A     | i     | -      | 20    | 22 | .90  |                               |  |
|     |         | M     | i     | -      | 23    | 39 | .05  |                               |  |
|     |         | A     | iPP   | -      | 23    | 52 | .82  |                               |  |
|     |         | M     | i     | 0      | 30    | 33 | .15  |                               |  |
|     |         | M     | i     | -      | 30    | 53 | .20  |                               |  |
|     |         | A     | i     | -      | 30    | 58 | .81  |                               |  |
|     |         | A     | i     | -      | 32    | 30 | 2.35 |                               |  |
|     |         | M     | i     | -      | 32    | 40 | .15  |                               |  |
|     |         | A     | i     | -      | 36    | 27 | .80  |                               |  |
|     |         | M     | i     | -      | 41    | 20 | .23  |                               |  |
|     |         | M     | i     | -      | 42    | 40 | .25  |                               |  |
|     |         | M     | i     | -      | 53    | 38 | .20  |                               |  |
|     |         | A     | M     | -      | 56    | 16 | 4.80 |                               |  |
| M   | i       | 1     | 2     | 25     | .30   |    |      |                               |  |
| M   | M       | -     | 6     | 0      | .65   |    |      |                               |  |
| A   | M       | -     | 7     | 25     | 6.00  |    |      |                               |  |
| M   | F       | 3     | 1     |        |       |    |      |                               |  |
| 35. | 22      | A     | iP    | 6      | 24    | 12 | .14  | Burma                         |  |
|     |         | A     | e     | -      | 32    | 32 | .06  |                               |  |
|     |         | A     | i     | -      | 40    | 48 | .07  |                               |  |
|     |         | A     | e     | -      | 43    | 6  | .07  |                               |  |
|     |         | A     | M     | -      | 49    | 10 | .30  |                               |  |
| 36. | 22      | M     | iP    | 14     | 11    | 38 | .20  | Indian Ocean                  |  |
|     |         | A     | iP    | -      | 11    | 40 |      |                               |  |
|     |         | M     | i     | -      | 15    | 27 | .20  |                               |  |
|     |         | M     | i     | -      | 16    | 50 | .13  |                               |  |
|     |         | M     | i     | -      | 18    | 48 | .30  |                               |  |
|     |         | A     | i     | -      | 19    | 23 | 2.50 |                               |  |
|     |         | M     | i     | -      | 20    | 55 | .50  |                               |  |
|     |         | A     | M     | -      | 21    | 14 | 9.60 |                               |  |
|     |         | M     | M     | -      | 22    | 0  | 3.10 |                               |  |
| A   | M       | -     | 37    | 17     | 10.50 |    |      |                               |  |
| M   | F       | 17    | 17    |        |       |    |      |                               |  |
| 37. | 23      | A     | iP    | 5      | 1     | 5  | .10  |                               |  |
|     |         | A     | i     | -      | 6     | 33 | .10  |                               |  |
|     |         | M     | e     | -      | 8     | 10 | .06  |                               |  |
|     |         | A     | eS    | -      | 9     | 13 | .25  |                               |  |
|     |         | A     | i     | -      | 13    | 53 | .30  |                               |  |
|     |         | A     | M     | -      | 21    | 10 | 2.15 |                               |  |
|     |         | M     | M     | -      | 21    | 40 | .35  |                               |  |
| 38. | 23      | A     | iP    | 17     | 22    | 59 | .12  | South west of Macquarie       |  |
|     |         | A     | PP    | -      | 23    | 58 | .10  |                               |  |
|     |         | A     | S     | -      | 28    | 7  | .10  |                               |  |
|     |         | M     | iS    | -      | 28    | 20 | .16  |                               |  |
|     |         | A     | i     | -      | 29    | 21 | .30  |                               |  |
|     |         | M     | i     | -      | 30    | 35 | .13  |                               |  |
|     |         | A     | LR    | -      | 31    | 4  | .31  |                               |  |
|     |         | A     | i     | -      | 32    | 10 | .30  |                               |  |
|     |         | M     | M     | -      | 32    | 33 | 3.00 |                               |  |
| M   | M       | -     | 35    | 13     | .41   |    |      |                               |  |
| 39. | 28      | A     | e     | 9      | 42    | 40 | .15  |                               |  |
|     |         | A     | i     | -      | 44    | 3  | .25  |                               |  |
|     |         | A     | i     | -      | 49    | 16 | .40  |                               |  |

| No. | Date    | Inst. | Phase | Time<br>G.M.T. |    |    | Amp.<br>cms | Remarks  |
|-----|---------|-------|-------|----------------|----|----|-------------|----------|
|     |         |       |       | h.             | m. | s. |             |          |
| 40  | Mar. 31 | A     | iP    | 18             | 24 | 54 | 1.00        | Mindanao |
|     |         | M     | iP    | -              | 25 | 4  | .60         |          |
|     |         | M     | i     | -              | 25 | 28 | .31         |          |
|     |         | A     | PP    | -              | 26 | 24 | 1.60        |          |
|     |         | M     | PP    | -              | 26 | 36 | .34         |          |
|     |         | A     | iS    | -              | 30 | 40 | 5.00        |          |
|     |         | M     | S     | -              | 30 | 53 | 1.10        |          |
|     |         | A     | i     | -              | 33 | 40 | 5.65        |          |
|     |         | M     | SS    | -              | 34 | 7  | 1.65        |          |
|     |         | A     | M     | -              | 36 | 43 | 13.00       |          |
|     |         | M     | M     | -              | 39 | 25 | 5.95        |          |
|     |         | A     | M     | -              | 42 | 45 | 13.50       |          |
| 41. | 31      | M     | i     | 21             | 0  | 32 | .15         |          |
|     |         | M     | i     | -              | 6  | 43 | .16         |          |
|     |         | M     | i     | -              | 19 | 10 | .20         |          |

Tremors and undecipherable disturbances were recorded -

By instrument "A" on 1st (1), 9th (1), 10th (1), 15th (1), 16th (1),  
17th (1), 19th (1), 21st (1), 24th (2),  
27th (2), and 29th (1).

By instrument "M" on 6th (2), 9th (1), 10th (1), 13th (1),  
16th (2), 17th (1), and 22nd (1).

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PERTH, WESTERN AUSTRALIA  
SEISMOLOGICAL STATION - PERTH OBSERVATORY  
Seismological Bulletin for April to June, 1955.

|  |               |                  |
|--|---------------|------------------|
| <u>Instrument</u>                        | <u>Symbol</u> | <u>Component</u> |
| Columbia-Lamont long period seismograph. | A             | Vertical         |
| Milne-Shaw no. 27                        | M             | North - South    |

| No. | Date | Inst. | Phase | Time   |    |    | Amp. | Remarks |  |
|-----|------|-------|-------|--------|----|----|------|---------|--|
|     |      |       |       | G.M.T. |    |    |      |         |  |
|     |      |       |       | h.     | m. | s. | cms  |         |  |

APRIL 1955

|     |      |    |  |      |      |    |    |      |                             |  |
|-----|------|----|--|------|------|----|----|------|-----------------------------|--|
| 42  | Apr. | 4  | A  | iP   | 11   | 20 | 47 | 0.26 | Near south coast of Formosa |  |
|     |      |    | A  | i    | -    | 20 | 55 | 0.55 |                             |  |
|     |      |    | A  | i    | -    | 21 | 11 | 0.30 |                             |  |
|     |      |    | A  | PP   | -    | 23 | 0  | 0.20 |                             |  |
|     |      |    | A  | i    | -    | 24 | 2  | 0.25 |                             |  |
|     |      |    | A  | iS   | -    | 28 | 21 | 0.47 |                             |  |
|     |      |    | M  | iS   | -    | 28 | 22 | 0.30 |                             |  |
|     |      |    | M  | i    | -    | 32 | 0  | 0.11 |                             |  |
|     |      |    | A  | SS   | -    | 32 | 22 | 0.20 |                             |  |
|     |      |    | M  | M    | -    | 37 | 55 | 0.20 |                             |  |
|     |      |    | A  | M    | -    | 38 | 35 | 0.95 |                             |  |
| A   | M    | -  | 40   | 5    | 0.95 |    |    |      |                             |  |
| 43  | Apr. | 5  | A  | i    | 15   | 31 | 55 | 0.18 |                             |  |
|     |      |    | A  | i    | -    | 32 | 38 | 0.15 |                             |  |
|     |      |    | A  | e    | -    | 49 | 46 | 0.10 |                             |  |
|     |      |    | A  | e    | -    | 55 | 44 | 0.12 |                             |  |
|     |      |    | A  | e    | -    | 59 | 4  | 0.10 |                             |  |
|     |      |    | A  | e    | 16   | 2  | 35 | 0.25 |                             |  |
|     |      |    | A  | e    | -    | 14 | 58 | 0.30 |                             |  |
|     |      |    | A  | M    | -    | 21 | 51 | 1.60 |                             |  |
| 44. | Apr. | 6  | In the two movements on April 6th the minute shutter apparatus was not working. Times on "A" instrument within 5 seconds, and on "M" instrument to the nearest half minute. This only applies to the movements on April 6th. |      |      |    |    |      |                             |  |
|     |      |    | A  | iP   | 12   | 59 | 26 | 0.10 |                             |  |
|     |      |    | A  | i    | -    | 59 | 52 | 0.15 |                             |  |
|     |      |    | M  | i    | 13   | 6  | 10 | 0.05 |                             |  |
|     |      |    | A  | iS   | -    | 6  | 23 | 0.20 |                             |  |
|     |      |    | A  | i    | -    | 6  | 40 | 0.40 |                             |  |
|     |      |    | A  | i    | -    | 8  | 35 | 0.15 |                             |  |
|     |      |    | A  | i    | -    | 9  | 53 | 0.15 |                             |  |
|     |      |    | M  | i    | -    | 10 | 20 | 0.10 |                             |  |
|     |      |    | A  | i    | -    | 12 | 5  | 0.24 |                             |  |
|     |      |    | A  | LR   | -    | 12 | 47 | 0.65 |                             |  |
|     |      |    | A  | M    | -    | 14 | 58 | 1.50 |                             |  |
|     |      |    | M  | M    | -    | 15 | 0  | 0.25 |                             |  |
|     |      |    | 45.  | Apr. | 6    | A  | iP | 19   | 54                          |  |
| A   | i    | -  |  |      |      | 55 | 15 | 0.15 |                             |  |
| A   | i    | -  |  |      |      | 55 | 45 | 0.40 |                             |  |
| A   | i    | -  |  |      |      | 56 | 51 | 0.20 |                             |  |
| M   | i    | -  |  |      |      | 58 | 5  | 0.15 |                             |  |
| M   | i    | -  |  |      |      | 58 | 40 | 0.25 |                             |  |
| A   | iS   | -  |  |      |      | 59 | 0  | 0.60 |                             |  |
| A   | M    | 20 |  |      |      | 2  | 55 | 1.55 |                             |  |
| M   | M    | -  |  |      |      | 4  | 25 | 0.50 |                             |  |





| No. | Date    | Inst. | Phase | Time<br>G.M.T. |       |    | Amp.<br>cms | Remarks                                   |
|-----|---------|-------|-------|----------------|-------|----|-------------|---|
|     |         |       |       | h.             | m.    | s. |             |   |
| 46  | Apr. 10 | A     | iP    | 17             | 45    | 55 | 0.70        | Philippines                               |
|     |         | A     | i     | -              | 46    | 7  | 0.45        |   |
|     |         | M     | i     | -              | 47    | 27 | 0.10        |   |
|     |         | A     | PP    | -              | 47    | 30 | 0.31        |   |
|     |         | A     | e     | -              | 52    | 5  | 0.25        |   |
|     |         | M     | i     | -              | 52    | 17 | 0.12        |   |
|     |         | M     | i     | -              | 55    | 4  | 0.15        |   |
|     |         | A     | i     | -              | 55    | 34 | 0.30        |   |
|     |         | A     | i     | -              | 58    | 30 | 0.80        |   |
|     |         | A     | i     | 18             | 0     | 47 | 0.55        |   |
| A   | M       | -     | 7     | 35             | 1.15  |    |             |   |
| 47  | Apr. 11 | A     | iP    | 0              | 58    | 15 | 0.17        | Near North<br>East Coast<br>of New Guinea |
|     |         | A     | iS    | 1              | 3     | 59 | 0.25        |   |
|     |         | A     | e     | -              | 11    | 10 | 0.18        |   |
|     |         | A     | M     | 1              | 16    | 5  | 0.45        |   |
| 48  | Apr. 14 | A     | iP    | 1              | 39    | 30 | 1.25        | Sikang<br>Province<br>China               |
|     |         | M     | i     | -              | 41    | 45 | 0.18        |   |
|     |         | A     | i     | -              | 43    | 24 | 0.60        |   |
|     |         | A     | iS    | -              | 48    | 5  | 2.00        |   |
|     |         | M     | iS    | -              | 48    | 5  | 0.35        |   |
|     |         | M     | i     | -              | 49    | 15 | 0.30        |   |
|     |         | M     | i     | -              | 52    | 35 | 0.20        |   |
|     |         | A     | SS    | -              | 52    | 44 | 1.20        |   |
|     |         | A     | i     | -              | 55    | 28 | 2.05        |   |
|     |         | M     | L     | -              | 57    | 14 | 0.25        |   |
|     |         | A     | LR    | -              | 58    | 5  | 3.25        |   |
|     |         | M     | M     | 2              | 3     | 50 | 1.30        |   |
|     |         | A     | M     | -              | 4     | 20 | 11.70       |   |
| A   | M       | 2     | 7     | 40             | 11.70 |    |             |   |
| 49  | Apr. 15 | A     | iP    | 3              | 53    | 10 | 2.00        | Kirghiz S.S.R.                            |
|     |         | M     | e     | -              | 53    | 15 | 0.10        |   |
|     |         | A     | PP    | -              | 56    | 12 | 0.35        |   |
|     |         | M     | iS    | 4              | 3     | 15 | 0.70        |   |
|     |         | A     | iS    | -              | 3     | 17 | 0.55        |   |
|     |         | M     | i     | -              | 6     | 10 | 0.25        |   |
|     |         | A     | i     | -              | 9     | 20 | 0.65        |   |
|     |         | A     | i     | -              | 12    | 16 | 0.55        |   |
|     |         | A     | M     | -              | 28    | 7  | 2.40        |   |
|     |         | A     | M     | -              | 29    | 7  | 2.50        |   |
| M   | M       | -     | 30    | 40             | 0.20  |    |             |   |
| 50  | Apr. 17 | A     | eP    | 18             | 48    | 45 | 0.23        | Off south<br>coast of<br>Kamchatka        |
|     |         | A     | i     | 19             | 0     | 57 | 0.25        |   |
|     |         | A     | i     | -              | 15    | 22 | 0.32        |   |
|     |         | A     | M     | -              | 26    | 55 | 1.00        |   |
| 51  | Apr. 19 | A     | e     | 20             | 40    | 7  | 0.05        | Near coast of<br>central Chile            |
|     |         | A     | i     | -              | 44    | 12 | 0.08        |   |
|     |         | A     | i     | -              | 53    | 23 | 0.45        |   |
|     |         | M     | i     | 21             | 5     | 18 | 0.10        |   |
|     |         | A     | i     | -              | 6     | 10 | 0.55        |   |
|     |         | A     | i     | -              | 20    | 0  | 0.70        |   |
|     |         | A     | i     | -              | 27    | 37 | 2.30        |   |
|     |         | M     | M     | -              | 33    | 35 | 3.25        |   |
| M   | M       | -     | 33    | 40             | 0.15  |    |             |   |
| 52  | Apr. 20 | A     | e     | 2              | 33    | 17 | 0.05        | Near coast of<br>central Chile            |
|     |         | A     | i     | -              | 42    | 32 | 0.10        |   |
|     |         | A     | e     | 3              | 10    | 10 | 0.08        |   |
|     |         | A     | M     | -              | 21    | 27 | 0.35        |   |

| No. | Date    | Inst. | Phase | Time<br>G.M.T. |    |    | Amp. | Remarks  |
|-----|---------|-------|-------|----------------|----|----|------|--|
|     |         |       |       | h.             | m. | s. |      |  |
| 53  | Apr. 20 | A     | i     | 6              | 8  | 33 | 0.05 | Near coast<br>of central<br>Chile  |
|     |         | A     | i     | -              | 18 | 28 | 0.20 |  |
|     |         | A     | e     | -              | 46 | 8  | 0.10 |  |
|     |         | A     | M     | 7              | 2  | 33 | 0.41 |  |
| 54  | Apr. 20 | A     | iP    | 9              | 51 | 8  | 0.30 | Molucca<br>Passage   |
|     |         | A     | iS    | -              | 56 | 30 | 0.10 |  |
|     |         | A     | i     | 10             | 2  | 7  | 0.26 |  |
|     |         | A     | M     | -              | 2  | 55 | 0.40 |  |
| 55  | Apr. 22 | A     | i     | 1              | 51 | 9  | 0.12 |  |
|     |         | A     | i     | -              | 54 | 5  | 0.10 |  |
|     |         | A     | M     | -              | 56 | 35 | 0.25 |  |
| 56  | Apr. 23 | A     | e     | 18             | 47 | 37 | 0.05 | Easter Island<br>Region.   |
|     |         | A     | i     | -              | 57 | 38 | 0.10 |  |
|     |         | A     | i     | 19             | 18 | 15 | 0.15 |  |
|     |         | A     | M     | -              | 21 | 55 | 0.65 |  |
| 57  | Apr. 29 | A     | i     | 0              | 39 | 58 | 0.30 | Tremor felt<br>severely at<br>Bolgart, 60<br>miles north<br>east of Perth,                 |
| 58  | Apr. 29 | M     | i     | 9              | 13 | 45 | 0.15 | Felt severely<br>over a wide<br>area centred<br>approx 60<br>miles north-<br>east of Perth |
|     |         | A     | i     | -              | 13 | 50 | 2.60 |  |
|     |         | M     | M     | -              | 14 | 5  | 0.35 |  |
| 59  | Apr. 29 | M     | i     | 19             | 48 | 38 | 0.15 | Felt severely<br>at Dowerin,<br>80 miles<br>north east of<br>Perth.                        |
|     |         | A     | i     | -              | 48 | 43 | 1.50 |  |

Tremors and undecipherable disturbances were recorded -

By instrument "A" on 4th (2), 5th (1), 8th (1), 9th (1),  
11th (1), 19th (1), 23rd (1), 24th (1),  
28th (1), and 30th (1).

By instrument "M" on 5th (2), 11th (2), 17th (1), and 20th (1)

MAY 1955

|     |        |   |    |    |    |    |      |                                    |
|-----|--------|---|----|----|----|----|------|------------------------------------|
| 60. | May 1  | A | iP | 10 | 7  | 21 | 0.16 | Off coast of<br>northern<br>Honshu |
|     |        | A | PP | -  | 10 | 4  | 0.18 |                                    |
|     |        | A | e  | -  | 21 | 33 | 0.17 |                                    |
|     |        | A | LR | -  | 30 | 31 | 0.27 |                                    |
|     |        | A | M  | -  | 42 | 45 | 0.40 |                                    |
| 61  | May 3  | A | i  | 15 | 35 | 8  | 0.10 | New Hebrides                       |
|     |        | A | e  | -  | 39 | 52 | 0.10 |                                    |
|     |        | A | M  | -  | 45 | 32 | 0.55 |                                    |
| 62  | May 14 | A | P  | 6  | 14 | 4  | 0.25 | Bonin Islands<br>(Deep Seated)     |
|     |        | A | i  | -  | 16 | 28 | 0.20 |                                    |
|     |        | A | S  | -  | 22 | 8  | 0.20 |                                    |
|     |        | A | i  | -  | 23 | 50 | 0.10 |                                    |

| No. | Date   | Inst. | Phase | Time<br>G.M.T. |      |    | Amp.  | Remarks   |
|-----|--------|-------|-------|----------------|------|----|-------|---|
|     |        |       |       | h.             | m.   | s. |       |   |
| 63  | May 17 | A     | iP    | 14             | 57   | 58 | 0.25  | Nicobar<br>Islands  |
|     |        | M     | i     | -              | 58   | 5  | 0.15  |   |
|     |        | A     | i     | -              | 58   | 8  | 1.50  |   |
|     |        | A     | i     | -              | 59   | 20 | 0.45  |   |
|     |        | A     | PP    | -              | 59   | 42 | 0.60  |   |
|     |        | A     | i     | 15             | 3    | 37 | 0.70  |   |
|     |        | A     | i     | -              | 3    | 46 | 1.15  |   |
|     |        | A     | iS    | -              | 4    | 26 | 1.80  |   |
|     |        | M     | i     | -              | 4    | 35 | 0.50  |   |
|     |        | A     | i     | -              | 7    | 33 | 1.30  |   |
|     |        | M     | i     | -              | 7    | 53 | 1.50  |   |
|     |        | A     | i     | -              | 7    | 58 | 1.60  |   |
|     |        | A     | i     | -              | 8    | 3  | 7.70  |   |
|     |        | A     | LR    | -              | 9    | 53 | 7.60  |   |
|     |        | A     | M     | -              | 11   | 52 | 11.30 |   |
|     |        | A     | M     | -              | 12   | 22 | 11.30 |   |
|     |        | M     | i     | -              | 14   | 32 | 1.15  |   |
| M   | M      | -     | 14    | 50             | 1.45 |    |       |   |
| M   | M      | -     | 20    | 30             | 1.45 |    |       |   |
| 64  | May 19 | M     | i     | 3              | 33   | 25 | 0.35  | Felt over an<br>area of 150<br>miles centred<br>70 miles<br>north east of<br>Perth. |
|     |        | A     | iP    | -              | 33   | 26 |       |   |
|     |        | M     | M     | -              | 33   | 40 | 0.45  |   |
|     |        | A     | M     | -              | 34   | 0  | 3.30  |   |
| 65  | May 21 | A     | i     | 15             | 35   | 52 | 0.20  | Eastern Java  |
|     |        | A     | i     | -              | 36   | 20 | 0.20  |   |
|     |        | A     | M     | -              | 42   | 8  | 0.52  |   |
|     |        | A     | M     | -              | 42   | 28 | 0.60  |   |
| 66  | May 23 | M     | i     | 17             | 2    | 40 | 0.10  |   |
|     |        | M     | i     | -              | 10   | 10 | 0.23  |   |
|     |        | M     | i     | -              | 12   | 2  | 0.13  |   |
|     |        | M     | M     | -              | 13   | 55 | 0.45  |   |
|     |        | M     | M     | -              | 16   | 57 | 0.40  |   |
| 67  | May 26 | A     | iS    | 16             | 38   | 52 | 0.41  | Solomon<br>Islands  |
|     |        | A     | SS    | -              | 42   | 10 | 2.80  |   |
|     |        | A     | M     | -              | 53   | 5  | 4.00  |   |
|     |        | A     | M     | -              | 55   | 15 | 4.80  |   |
| 68  | May 26 | A     | iS    | 21             | 36   | 12 | 0.45  | Solomon<br>Islands  |
|     |        | A     | i     | -              | 40   | 2  | 0.75  |   |
|     |        | A     | M     | -              | 53   | 7  | 1.70  |   |
|     |        | A     | M     | -              | 55   | 7  | 1.50  |   |
| 69  | May 29 | A     | iP    | 15             | 39   | 1  | 1.40  | Off south<br>coast of Java  |
|     |        | A     | i     | -              | 39   | 8  | 3.10  |   |
|     |        | M     | i     | -              | 39   | 10 | 0.45  |   |
|     |        | A     | i     | -              | 40   | 12 | 2.35  |   |
|     |        | M     | i     | -              | 40   | 16 | 0.40  |   |
|     |        | M     | iS    | -              | 43   | 20 | 1.70  |   |
|     |        | A     | iS    | -              | 43   | 25 | 7.00  |   |
|     |        | A     | M     | -              | 45   | 27 | 11.00 |   |
|     |        | M     | M     | -              | 50   | 45 | 3.15  |   |
|     |        | A     | M     | -              | 50   | 53 | 11.00 |   |
|     |        | M     | M     | -              | 56   | 32 | 2.70  |   |
| 70  | May 30 | A     | iP    | 12             | 41   | 7  | 1.90  | Volcano<br>Islands<br>(Deep Seated)   |
|     |        | A     | i     | -              | 41   | 50 | 0.40  |   |
|     |        | M     | i     | -              | 43   | 5  | 0.25  |   |
|     |        | A     | i     | -              | 43   | 57 | 1.20  |   |
|     |        | A     | i     | -              | 45   | 24 | 0.80  |   |
|     |        | A     | i     | -              | 47   | 33 | 0.90  |   |

| No. | Date                | Inst. | Phase | Time G.M.T. |    |    | Amp.<br>cms | Remarks               |
|-----|---------------------|-------|-------|-------------|----|----|-------------|-----------------------|
|     |                     |       |       | h.          | m. | s. |             |                       |
| 70  | May 30<br>continued | M     | i     | 12          | 48 | 40 | 0.30        |                       |
|     |                     | A     | iS    | -           | 48 | 52 | 3.15        |                       |
|     |                     | M     | i     | -           | 50 | 0  | 0.30        |                       |
|     |                     | M     | i     | -           | 52 | 0  | 0.60        |                       |
|     |                     | A     | i     | -           | 52 | 27 | 1.55        |                       |
|     |                     | A     | M     | -           | 56 | 30 | 4.00        |                       |
| 71  | May 30              | A     | iP    | 23          | 33 | 50 | 0.50        | Western New<br>Guinea |
|     |                     | A     | i     | -           | 34 | 17 | 0.60        |                       |
|     |                     | A     | i     | -           | 35 | 8  | 1.00        |                       |
|     |                     | A     | i     | -           | 35 | 30 | 0.80        |                       |
|     |                     | A     | i     | -           | 38 | 45 | 0.60        |                       |
|     |                     | A     | i     | -           | 39 | 4  | 0.65        |                       |
|     |                     | M     | i     | -           | 41 | 10 | 1.05        |                       |
|     |                     | A     | M     | -           | 42 | 13 | 0.50        |                       |
|     |                     | M     | M     | -           | 47 | 7  | 4.90        |                       |
|     |                     | M     | M     | -           | 47 | 15 | 1.60        |                       |
|     |                     | A     | M     | -           | 48 | 50 | 5.00        |                       |

Tremors and undecipherable disturbances were recorded -

By Instrument "A" on 1st, 5th, 7th, 8th, 11th, 13th, 24th, and 31st  
 By Instrument "M" on 1st (2 ), 3rd, 7th, 21st, and 31st.

JUNE 1955

|    |         |   |     |    |      |    |      |                                     |
|----|---------|---|-----|----|------|----|------|-------------------------------------|
| 72 | June 1. | A | iP  | 16 | 17   | 23 | 0.35 | Halmahera                           |
|    |         | A | PP  | -  | 18   | 45 | 0.30 |                                     |
|    |         | A | PcP | -  | 19   | 56 | 0.27 |                                     |
|    |         | A | i   | -  | 25   | 20 | 0.35 |                                     |
|    |         | A | i   | -  | 27   | 45 | 0.25 |                                     |
| 73 | June 2. | A | iP  | 0  | 32   | 50 | 0.20 | Andreanoff<br>Islands,<br>Aleutians |
|    |         | A | i   | -  | 42   | 25 | 0.20 |                                     |
|    |         | A | i   | -  | 45   | 58 | 0.25 |                                     |
|    |         | A | i   | -  | 51   | 47 | 0.60 |                                     |
|    |         | A | M   | -  | 55   | 53 | 0.30 |                                     |
|    |         | A | M   | 1  | 15   | 27 | 1.40 |                                     |
| 74 | June 2  | A | i   | 11 | 23   | 8  | 1.15 | Bismark Sea                         |
|    |         | A | i   | -  | 39   | 58 | 0.12 |                                     |
|    |         | A | i   | -  | 44   | 10 | 0.12 |                                     |
|    |         | A | i   | -  | 45   | 57 | 0.16 |                                     |
|    |         | A | M   | -  | 48   | 8  | 0.40 |                                     |
| 75 | June 6  | A | i   | -  | 59   | 25 | 0.95 |                                     |
|    |         | A | i   | 15 | 4    | 28 | 0.15 |                                     |
| 76 | June 6  | A | i   | -  | 5    | 12 | 0.35 |                                     |
|    |         | A | i   | 21 | 34   | 53 | 0.20 | Solomon<br>Islands                  |
|    |         | A | e   | -  | 36   | 15 | 0.20 |                                     |
| A  | M       | - | 37  | 32 | 0.25 |    |      |                                     |
| 77 | June 7  | A | i   | 1  | 12   | 23 | 0.15 | Sikang<br>Province<br>China         |
|    |         | A | e   | -  | 19   | 8  | 0.25 |                                     |
|    |         | A | M   | -  | 26   | 23 | 0.70 |                                     |
| 78 | June 14 | A | e   | 6  | 57   | 23 | 0.10 | Off west<br>coast of<br>Mexico      |
|    |         | A | e   | 7  | 18   | 8  | 0.45 |                                     |
|    |         | A | M   | -  | 24   | 40 | 1.60 |                                     |

| No. | Date    | Inst. | Phase | Time<br>G.M.T. |    |    | Amp.<br>cms | Remarks                           |
|-----|---------|-------|-------|----------------|----|----|-------------|-----------------------------------|
|     |         |       |       | h.             | m. | s. |             |                                   |
| 79  | June 15 | A     | iP    | 3              | 9  | 55 | 0.12        | Loyalty<br>Islands                |
|     |         | A     | e     | -              | 11 | 57 | 0.20        |                                   |
|     |         | A     | e     | -              | 26 | 43 | 0.17        |                                   |
|     |         | A     | M     | -              | 30 | 20 | 1.00        |                                   |
| 80  | June 15 | A     | e     | 15             | 54 | 10 | 0.15        | New Ireland                       |
|     |         | A     | i     | -              | 54 | 30 | 0.35        |                                   |
|     |         | A     | i     | 16             | 1  | 43 | 0.25        |                                   |
|     |         | A     | M     | -              | 4  | 30 | 0.35        |                                   |
| 81  | June 20 | A     | i     | 12             | 25 | 22 | 0.35        | Andreanoff<br>Island<br>Aleutians |
|     |         | A     | i     | -              | 25 | 35 | 0.35        |                                   |
|     |         | A     | i     | -              | 34 | 18 | 0.40        |                                   |
|     |         | A     | i     | -              | 39 | 50 | 0.45        |                                   |
|     |         | A     | i     | -              | 40 | 22 | 0.65        |                                   |
|     |         | A     | i     | -              | 40 | 58 | 0.85        |                                   |
|     |         | A     | i     | -              | 46 | 35 | 0.50        |                                   |
|     |         | A     | M     | -              | 58 | 50 | 1.95        |                                   |
|     |         | A     | M     | 13             | 3  | 53 | 1.80        |                                   |
| 82  | June 29 | A     | i     | 4              | 58 | 13 | 0.35        |                                   |
|     |         | A     | i     | 5              | 0  | 50 | 0.40        |                                   |
|     |         | A     | M     | 5              | 1  | 32 | 0.45        |                                   |

Tremors and undecipherable disturbances were recorded -

By instrument "A" on 1st, 5th (2), 17th, 27th (2), 29th, and 30th

By instrument "M" on 1st, 2nd (2), 6th (2), 7th, 14th, 15th, 20th, 27th, and 29th.

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PERTH, WESTERN AUSTRALIA  
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for July - September 1955

Instrument  
Columbia-Lamont long  
period seismograph.  
Milne-Shaw no. 27

Symbol  
A.  
M.

Component  
Vertical  
North - South

| No.              | Date    | Inst. | Phase | Time<br>G.M.T. |    |    | Amp,<br>cms. | Remarks         |
|------------------|---------|-------|-------|----------------|----|----|--------------|-----------------|
|                  |         |       |       | h.             | m. | s. |              |                 |
| <u>JULY 1955</u> |         |       |       |                |    |    |              |                 |
| 83               | July 3. | A     | e     | 15             | 15 | 40 | .12          |                 |
|                  |         | A     | e     | -              | 18 | 55 | .23          |                 |
|                  |         | A     | M     | -              | 22 | 6  | .52          |                 |
| 84               | - 6     | A     | e     | 2              | 36 | 18 | .20          | Kamckatka       |
|                  |         | A     | M     | -              | 41 | 15 | .40          |                 |
| 85.              | - 8     | A     | i     | 18             | 48 | 17 | .30          |                 |
|                  |         | A     | i     | -              | 50 | 5  | .16          |                 |
|                  |         | A     | i     | -              | 55 | 43 | .15          |                 |
|                  |         | M     | e     | -              | 55 | 47 | .10          |                 |
|                  |         | A     | i     | 19             | 3  | 12 | .21          |                 |
|                  |         | A     | e     | -              | 10 | 57 | .35          |                 |
|                  |         | M     | i     | -              | 11 | 2  | .35          |                 |
|                  |         | A     | i     | -              | 12 | 2  | .65          |                 |
|                  |         | M     | i     | -              | 14 | 2  | .20          |                 |
|                  |         | A     | M     | -              | 15 | 30 | .85          |                 |
|                  |         | M     | i     | -              | 16 | 49 | .16          |                 |
| 86.              | - 10    | A     | iP    | 14             | 31 | 15 | .30          | Tonga Islands   |
|                  |         | A     | e     | -              | 39 | 45 | .10          |                 |
|                  |         | A     | i     | -              | 43 | 15 | .11          |                 |
|                  |         | A     | e     | -              | 50 | 45 | .08          |                 |
|                  |         | A     | i     | -              | 54 | 38 | .40          |                 |
|                  |         | A     | M     | -              | 58 | 40 | 1.25         |                 |
| 87.              | - 13    | A     | i     | 18             | 55 | 30 | .20          | Solomon Islands |
|                  |         | A     | i     | -              | 58 | 50 | .31          |                 |
|                  |         | A     | i     | 19             | 5  | 23 | .30          |                 |
|                  |         | A     | M     | -              | 7  | 30 | 1.05         |                 |
| 88.              | - 14    | A     | e     | 4              | 12 | 5  | .20          | Solomon Islands |
|                  |         | A     | M     | -              | 20 | 30 | .55          |                 |
| 89.              | - 14    | A     | e     | 10             | 10 | 20 | .25          | Nicobar Islands |
|                  |         | A     | e     | -              | 12 | 44 | .25          |                 |
|                  |         | A     | M     | -              | 15 | 23 | .63          |                 |
| 90.              | - 16    | A     | i     | 2              | 4  | 47 | .25          |                 |
|                  |         | A     | e     | -              | 5  | 44 | .65          |                 |
|                  |         | A     | M     | -              | 7  | 5  | .70          |                 |
| 91.              | - 16    | A     | e     | 7              | 35 | 33 | .23          | Dodecanese Is.  |
|                  |         | A     | i     | -              | 45 | 46 | .35          |                 |
|                  |         | A     | e     | -              | 52 | 15 | .15          |                 |
|                  |         | A     | i     | -              | 59 | 30 | .20          |                 |
|                  |         | A     | M     | 8              | 2  | 53 | .85          |                 |
|                  |         | A     | M     | -              | 12 | 5  | .95          |                 |

| No. | Date     | Inst. | Phase | Time |    |    | Amp.<br>cms. | Remarks                                  |
|-----|----------|-------|-------|------|----|----|--------------|--|
|     |          |       |       | G.   | M. | T. |              |  |
|     |          |       |       | h.   | m. | s. |              |  |
| 92  | July 18. | A     | iP    | 11   | 38 | 42 | .43          | New Hebrides<br>Islands<br>(Deep seated) |
|     |          | A     | i     | -    | 39 | 45 | .25          |  |
|     |          | A     | i     | -    | 40 | 43 | .17          |  |
|     |          | A     | i     | -    | 41 | 36 | .45          |  |
|     |          | A     | i     | -    | 46 | 40 | .20          |  |
|     |          | A     | i     | -    | 46 | 57 | .25          |  |
|     |          | A     | i     | -    | 49 | 37 | .50          |  |
|     |          | A     | i     | -    | 50 | 50 | .45          |  |
|     |          | A     | i     | -    | 55 | 34 | .28          |  |
|     |          | A     | M     | -    | 59 | 52 | .80          |  |
| 93. | - 23     | A     | iP    | 12   | 54 | 20 | .70          | Banda Sea                                |
|     |          | M     | iP    | -    | 54 | 28 | .17          |  |
|     |          | A     | i     | -    | 54 | 57 | .55          |  |
|     |          | M     | i     | -    | 55 | 10 | .10          |  |
|     |          | M     | i     | -    | 56 | 39 | .15          |  |
|     |          | A     | iS    | -    | 58 | 27 | .60          |  |
|     |          | A     | i     | -    | 59 | 15 | .70          |  |
|     |          | A     | i     | 13   | 0  | 17 | .95          |  |
|     |          | M     | M     | -    | 2  | 30 | .60          |  |
|     |          | A     | i     | -    | 4  | 7  | 1.00         |  |
|     |          | A     | M     | -    | 6  | 51 | 3.00         |  |
|     |          | A     | M     | -    | 9  | 8  | 2.05         |  |

Tremors and unrecognizable disturbances were recorded :-

By instrument A on 4th (2), 5th, 7th, 15th, 16th, 17th, 20th, 24th, 26th, 27th (2), 28th, 29th, and 31st.

By instrument M on 5th, 6th, 13th, 16th (2), 18th, 26th, and 31st.

August 1955

|     |           |   |     |    |      |    |      |  |
|-----|-----------|---|-----|----|------|----|------|--|
| 94. | August 6. | A | P   | 8  | 41   | 3  | 5.00 | Tonga Islands<br>region<br>(Deep seated) |
|     |           | A | pP  | -  | 42   | 57 | 2.00 |  |
|     |           | A | i   | -  | 56   | 5  | 2.50 |  |
|     |           | A | M   | 9  | 6    | 0  | 3.40 |  |
|     |           | A | M   | -  | 7    | 37 | 3.00 |  |
| 95. | - 15      | A | i   | 17 | 8    | 38 | 0.40 |  |
|     |           | A | i   | -  | 13   | 10 | 0.50 |  |
|     |           | A | M   | -  | 17   | 52 | 2.55 |  |
| 96. | - 16      | A | iP  | 11 | 55   | 2  | .90  | Solomon Islands<br>(Deep seated)         |
|     |           | A | pP  | -  | 55   | 55 | .70  |  |
|     |           | A | i   | -  | 56   | 24 | .60  |  |
|     |           | A | PP  | -  | 56   | 54 | 1.70 |  |
|     |           | A | i   | -  | 57   | 26 | .50  |  |
|     |           | A | i   | -  | 57   | 59 | .70  |  |
|     |           | A | ScP | 12 | 0    | 8  | .80  |  |
|     |           | A | PcS | -  | 0    | 23 | 1.00 |  |
|     |           | M | i   | -  | 0    | 28 | .30  |  |
|     |           | M | iS  | -  | 1    | 24 | .80  |  |
|     |           | A | S   | -  | 1    | 25 | 1.75 |  |
|     |           | A | i   | -  | 3    | 0  | .60  |  |
|     |           | A | i   | -  | 4    | 22 | 1.75 |  |
|     |           | A | i   | -  | 4    | 52 | 2.10 |  |
|     |           | A | M   | -  | 6    | 12 | 3.10 |  |
| M   | M         | - | 13  | 0  | 1.20 |    |      |  |

| No.  | Date       | Inst. | Phase | Time<br>G.M.T. |        |    | Amp.<br>cms. | Remarks   |
|------|------------|-------|-------|----------------|--------|----|--------------|---|
|      |            |       |       | h.             | m.     | s. |              |   |
| 97.  | August 21. | A     | iP    | 17             | 40     | 58 | 1.00         | New Guinea  |
|      |            | A     | i     | -              | 41     | 7  | 1.60         |   |
|      |            | M     | i     | -              | 41     | 9  | .35          |   |
|      |            | A     | i     | -              | 42     | 5  | .80          |   |
|      |            | A     | i     | -              | 42     | 12 | 1.80         |   |
|      |            | M     | i     | -              | 42     | 22 | .30          |   |
|      |            | M     | i     | -              | 45     | 50 | .30          |   |
|      |            | A     | iS    | -              | 46     | 40 | 1.40         |   |
|      |            | A     | i     | -              | 46     | 54 | 2.00         |   |
|      |            | A     | i     | -              | 47     | 10 | 3.40         |   |
|      |            | A     | i     | -              | 48     | 35 | 3.75         |   |
|      |            | A     | i     | -              | 49     | 5  | 5.80         |   |
|      |            | A     | i     | -              | 49     | 38 | 7.00         |   |
| A    | M          | -     | 53    | 53             | >10.00 |    |              |   |
| M    | M          | -     | 54    | 35             | 4.30   |    |              |   |
| M    | M          | -     | 57    | 3              | 4.50   |    |              |   |
| 98.  | 28         | A     | iP    | 20             | 33     | 15 | .65          | Near coast of<br>Guatemala                          |
|      |            | A     | i     | -              | 33     | 25 | 1.10         |   |
|      |            | A     | i     | -              | 33     | 33 | 1.60         |   |
|      |            | A     | i     | -              | 47     | 12 | .35          |   |
|      |            | A     | i     | -              | 56     | 58 | .60          |   |
|      |            | A     | i     | 21             | 2      | 23 | .35          |   |
|      |            | A     | e     | -              | 9      | 33 | .30          |   |
|      |            | A     | M     | -              | 14     | 28 | .65          |   |
| 99.  | - 29.      | A     | iP    | 6              | 8      | 35 | .75          | Local movement<br>38 miles north-<br>east of Perth. |
|      |            | M     | i     | -              | 8      | 35 | .20          |   |
|      |            | A     | iS    | -              | 8      | 42 | 8.20         |   |
|      |            | M     | i     | -              | 8      | 53 | 1.10         |   |
|      |            | A     | i     | -              | 8      | 55 | 8.50         |   |
|      |            | M     | M     | -              | 9      | 5  | 1.45         |   |
|      |            | A     | i     | -              | 9      | 6  | 5.90         |   |
|      |            | A     | M     | -              | 9      | 17 | 9.20         |   |
| 100. | - 30       | A     | iP    | 13             | 51     | 39 | 0.80         | Local, 98 miles<br>north-east of Perth              |
|      |            | M     | i     | -              | 51     | 39 | 0.30         |   |
|      |            | A     | i     | -              | 51     | 47 | .45          |   |
|      |            | M     | i     | -              | 51     | 51 | .80          |   |
|      |            | A     | i     | -              | 51     | 58 | 1.30         |   |
|      |            | M     | i     | -              | 52     | 0  | 1.10         |   |
|      |            | A     | M     | -              | 52     | 18 | 5.80         |   |
|      |            | M     | M     | -              | 52     | 18 | 1.70         |   |
| A    | M          | -     | 53    | 0              | 10.80  |    |              |   |
| 101. | - 30       | A     | iP    | 14             | 6      | 39 | .25          | Local, 103 miles<br>north-east of<br>Perth          |
|      |            | M     | i     | -              | 6      | 57 | .35          |   |
|      |            | A     | i     | -              | 6      | 59 | .30          |   |
|      |            | M     | M     | -              | 7      | 10 | .60          |   |
|      |            | A     | i     | -              | 7      | 11 | .45          |   |
| A    | M          | -     | 7     | 19             | 1.30   |    |              |   |
| 102  | 30         | A     | iP    | 16             | 55     | 42 | .25          | 103 miles<br>north east of<br>Perth.                |
|      |            | M     | i     | -              | 55     | 46 | .25          |   |
|      |            | M     | i     | -              | 55     | 51 | .35          |   |
|      |            | A     | iS    | -              | 56     | 2  | .45          |   |
|      |            | A     | M     | -              | 56     | 20 | 1.20         |   |

Tremors and undecipherable disturbances were recorded -  
on instrument A 8th, 9th, 26th (2), 29th, and 31st.  
" " M 14th,

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| No.            | Date     | Inst. | Phase | Time |              |    | Amp.<br>cms. | Remarks            |
|----------------|----------|-------|-------|------|--------------|----|--------------|--------------------|
|                |          |       |       | h.   | G.M.T.<br>m. | s. |              |                    |
| SEPTEMBER 1955 |          |       |       |      |              |    |              |                    |
| 103            | Sept. 2. | A     | e     | 21   | 27           | 50 | .15          | Western New-Guinea |
|                |          | A     | i     | -    | 33           | 5  | .26          |                    |
|                |          | A     | M     | -    | 34           | 10 | .65          |                    |
| 104.           | - 3      | A     | P'    | 12   | 56           | 8  | .65          | Guatamala          |
|                |          | A     | i     | -    | 56           | 35 | .70          |                    |
|                |          | A     | PP    | -    | 59           | 53 | .20          |                    |
|                |          | A     | i     | 13   | 0            | 32 | .22          |                    |
|                |          | A     | i     | -    | 10           | 4  | .36          |                    |
|                |          | A     | i     | -    | 18           | 8  | .21          |                    |
|                |          | A     | i     | -    | 19           | 44 | .37          |                    |
| 105            | - 3      | A     | e     | 16   | 29           | 52 | .12          | Celebes            |
|                |          | A     | i     | -    | 30           | 25 | .26          |                    |
|                |          | M     | i     | -    | 30           | 35 | .20          |                    |
|                |          | A     | i     | -    | 30           | 38 | .70          |                    |
|                |          | A     | i     | -    | 30           | 35 | 1.70         |                    |
|                |          | M     | i     | -    | 30           | 55 | .20          |                    |
|                |          | A     | i     | -    | 31           | 50 | 1.00         |                    |
|                |          | M     | iS    | -    | 34           | 19 | 1.25         |                    |
|                |          | A     | i     | -    | 34           | 20 | .80          |                    |
|                |          | A     | iS    | -    | 34           | 26 | 1.85         |                    |
|                |          | M     | i     | -    | 36           | 0  | .60          |                    |
|                |          | A     | i     | -    | 36           | 30 | 2.70         |                    |
|                |          | M     | M     | -    | 37           | 20 | .90          |                    |
|                |          | A     | i     | -    | 37           | 50 | .85          |                    |
|                |          | A     | i     | -    | 38           | 45 | 1.90         |                    |
| A              | i        | -     | 42    | 56   | 1.40         |    |              |                    |
| A              | M        | -     | 45    | 40   | 2.50         |    |              |                    |
| 106            | - 8      | A     | i     | 2    | 15           | 55 | .15          | Sandwich Is.       |
|                |          | A     | i     | -    | 26           | 5  | .35          |                    |
|                |          | A     | i     | -    | 26           | 58 | .60          |                    |
|                |          | A     | i     | -    | 31           | 52 | .50          |                    |
|                |          | A     | i     | -    | 41           | 47 | .40          |                    |
|                |          | A     | M     | -    | 44           | 50 | 1.20         |                    |
| 107            | - 8      | A     | iP    | 3    | 35           | 34 | .27          | Solomon Is.        |
|                |          | A     | i     | -    | 35           | 45 | .60          |                    |
|                |          | A     | i     | -    | 37           | 35 | .40          |                    |
|                |          | M     | i     | -    | 42           | 5  | .15          |                    |
|                |          | A     | i     | -    | 42           | 21 | .30          |                    |
|                |          | A     | i     | -    | 45           | 20 | 1.00         |                    |
|                |          | M     | i     | -    | 48           | 45 | .20          |                    |
|                |          | A     | i     | -    | 49           | 4  | .90          |                    |
|                |          | A     | i     | -    | 52           | 12 | 2.15         |                    |
|                |          | M     | M     | -    | 52           | 20 | .60          |                    |
| 108            | - 9      | A     | i     | -    | 53           | 0  | 5.00         | Near Sumatra       |
|                |          | A     | M     | -    | 54           | 22 | 9.10         |                    |
| 108            | - 9      | A     | i     | 9    | 48           | 55 | .25          | Near Sumatra       |
|                |          | A     | e     | -    | 54           | 23 | .15          |                    |
|                |          | A     | i     | -    | 57           | 48 | .25          |                    |
|                |          | A     | M     | -    | 55           | 20 | 1.60         |                    |
| 109            | - 9      | A     | iP    | 16   | 29           | 30 | .30          | Solomon Is.        |
|                |          | M     | i     | -    | 35           | 58 | .15          |                    |
|                |          | A     | i     | -    | 36           | 7  | .25          |                    |
|                |          | A     | i     | -    | 39           | 15 | .50          |                    |
|                |          | A     | i     | -    | 44           | 24 | .35          |                    |
|                |          | M     | i     | -    | 45           | 15 | .20          |                    |
|                |          | M     | M     | -    | 46           | 15 | .30          |                    |
|                |          | A     | M     | -    | 48           | 50 | 1.75         |                    |
|                |          | A     | i     | -    | 54           | 50 | 1.10         |                    |
| A              | M        | -     | 55    | 10   | 2.50         |    |              |                    |

| No. | Date     | Inst. | Phase | Time<br>G.M.T. |      |    | Amp.<br>cms. | Remarks               |
|-----|----------|-------|-------|----------------|------|----|--------------|-----------------------|
|     |          |       |       | h.             | m.   | s. |              |                       |
| 110 | Sept. 11 | A     | iP    | 18             | 2    | 46 | .50          | Solomon Is.           |
|     |          | A     | PP    | -              | 4    | 35 | .45          |                       |
|     |          | M     | iS    | -              | 9    | 13 | .27          |                       |
|     |          | A     | iS    | -              | 9    | 23 | .55          |                       |
|     |          | A     | i     | -              | 12   | 20 | 1.00         |                       |
|     |          | M     | i     | -              | 12   | 48 | .20          |                       |
|     |          | A     | i     | -              | 13   | 23 | 1.15         |                       |
|     |          | M     | M     | -              | 19   | 35 | 1.00         |                       |
|     |          | A     | M     | -              | 22   | 35 | 6.60         |                       |
| A   | M        | -     | 31    | 12             | 7.50 |    |              |                       |
| 111 | - 12     | A     | i     | 6              | 37   | 10 | .35          | Egypt                 |
|     |          | A     | i     | -              | 48   | 17 | .40          |                       |
|     |          | A     | i     | -              | 58   | 57 | .30          |                       |
|     |          | A     | M     | 7              | 3    | 17 | .60          |                       |
|     |          | A     | M     | -              | 7    | 15 | .85          |                       |
| 112 | - 13     | A     | iP    | 17             | 4    | 33 | .35          | Southern Indian Ocean |
|     |          | A     | i     | -              | 8    | 16 | .40          |                       |
|     |          | M     | iS    | -              | 8    | 20 | .17          |                       |
|     |          | A     | i     | -              | 8    | 33 | 1.00         |                       |
|     |          | A     | i     | -              | 9    | 3  | .60          |                       |
|     |          | A     | i     | -              | 9    | 37 | 1.50         |                       |
|     |          | M     | M     | -              | 10   | 49 | 1.90         |                       |
| M   | M        | -     | 11    | 0              | .55  |    |              |                       |
| 113 | - 15     | A     | iP    | 12             | 37   | 20 | .50          | Western New Guinea    |
|     |          | A     | iS    | -              | 42   | 17 | .70          |                       |
|     |          | A     | i     | -              | 42   | 28 | 1.20         |                       |
|     |          | A     | i     | -              | 43   | 57 | .80          |                       |
|     |          | A     | i     | -              | 50   | 52 | 3.15         |                       |
|     |          | A     | M     | -              | 52   | 13 | 8.75         |                       |
| 114 | - 17     | A     | iP    | 12             | 4    | 38 | .17          | New Hebrides          |
|     |          | A     | i     | -              | 11   | 35 | .10          |                       |
|     |          | A     | i     | -              | 11   | 55 | .16          |                       |
|     |          | A     | i     | -              | 15   | 28 | .40          |                       |
|     |          | A     | e     | -              | 20   | 10 | .12          |                       |
|     |          | A     | i     | -              | 23   | 32 | .40          |                       |
|     |          | A     | M     | -              | 29   | 20 | 1.10         |                       |
| 115 | - 17     | A     | e     | 15             | 17   | 23 | .11          | New Hebrides          |
|     |          | A     | M     | -              | 23   | 33 | .50          |                       |
| 116 | - 20     | A     | i     | 13             | 30   | 0  | .50          | Kermadec Is.          |
|     |          | A     | i     | -              | 34   | 33 | .30          |                       |
|     |          | M     | i     | -              | 36   | 58 | .05          |                       |
|     |          | A     | i     | -              | 37   | 52 | .45          |                       |
|     |          | A     | i     | -              | 40   | 32 | .20          |                       |
|     |          | A     | i     | -              | 47   | 3  | .60          |                       |
|     |          | M     | i     | -              | 49   | 12 | .15          |                       |
|     |          | M     | i     | -              | 50   | 42 | .10          |                       |
|     |          | M     | M     | -              | 53   | 5  | .30          |                       |
|     |          | A     | M     | -              | 53   | 17 | 2.10         |                       |
|     |          | A     | M     | -              | 57   | 15 | 2.25         |                       |
|     |          | A     | M     | 14             | 2    | 27 | 2.45         |                       |
| 117 | - 21     | A     | iP    | 6              | 48   | 32 | .15          | New Hebrides          |
|     |          | A     | i     | -              | 48   | 49 | .20          |                       |
|     |          | A     | i     | -              | 50   | 34 | .20          |                       |
|     |          | A     | iS    | -              | 55   | 43 | .22          |                       |
|     |          | A     | i     | -              | 59   | 6  | .20          |                       |
|     |          | A     | i     | 7              | 6    | 18 | .55          |                       |
|     |          | A     | M     | -              | 8    | 53 | 1.12         |                       |

| No. | Date     | Inst. | Phase | Time<br>G.M.T. |      |    | Amp.<br>cms. | Remarks                  |
|-----|----------|-------|-------|----------------|------|----|--------------|--------------------------|
|     |          |       |       | h.             | m.   | s. |              |                          |
| 118 | Sept. 21 | A     | e     | 13             | 38   | 14 | .10          | Kermadec Is.             |
|     |          | A     | e     | -              | 56   | 48 | .08          |                          |
|     |          | A     | i     | 14             | 1    | 46 | .20          |                          |
|     |          | A     | M     | -              | 7    | 20 | .23          |                          |
| 119 | - 21     | A     | i     | 22             | 51   | 20 | .15          | Bismark Sea              |
|     |          | A     | i     | -              | 52   | 15 | .10          |                          |
|     |          | A     | e     | -              | 59   | 20 | .09          |                          |
|     |          | A     | M     | 23             | 8    | 50 | .60          |                          |
| 120 | - 22     | A     | iP    | 3              | 34   | 53 | .16          | Formosa                  |
|     |          | A     | i     | -              | 35   | 7  | .40          |                          |
|     |          | A     | iS    | -              | 42   | 50 | .30          |                          |
|     |          | A     | SS    | -              | 46   | 51 | .40          |                          |
|     |          | A     | M     | -              | 54   | 22 | .85          |                          |
|     |          | A     | M     | 4              | 0    | 27 | .60          |                          |
| 121 | - 22     | A     | iP    | 5              | 42   | 12 | .26          | New Britain              |
|     |          | A     | PP    | -              | 43   | 46 | .20          |                          |
|     |          | M     | i     | -              | 48   | 25 | .05          |                          |
|     |          | A     | i     | -              | 48   | 58 | .20          |                          |
|     |          | A     | i     | -              | 50   | 45 | .26          |                          |
|     |          | A     | i     | -              | 51   | 30 | .35          |                          |
|     |          | M     | i     | -              | 51   | 32 | .05          |                          |
|     |          | A     | LR    | -              | 53   | 43 | .26          |                          |
|     |          | M     | M     | -              | 57   | 35 | .35          |                          |
|     |          | A     | M     | 6              | 0    | 45 | 2.10         |                          |
| 122 | - 23     | A     | iP    | 15             | 16   | 30 | .60          | Yunnan Province<br>China |
|     |          | A     | i     | -              | 17   | 3  | .26          |                          |
|     |          | M     | iS    | -              | 24   | 41 | .25          |                          |
|     |          | A     | iS    | -              | 24   | 48 | .55          |                          |
|     |          | M     | i     | -              | 26   | 22 | .10          |                          |
|     |          | A     | SS    | -              | 28   | 44 | .40          |                          |
|     |          | A     | i     | -              | 31   | 26 | .75          |                          |
|     |          | M     | e     | -              | 34   | 7  | .05          |                          |
|     |          | A     | M     | -              | 41   | 30 | 3.25         |                          |
|     |          | M     | M     | -              | 44   | 5  | .25          |                          |
| M   | M        | -     | 46    | 10             | 3.25 |    |              |                          |
| 123 | - 24     | A     | iP    | 2              | 10   | 27 | .15          | Kermadec Is.             |
|     |          | A     | i     | -              | 22   | 23 | .10          |                          |
|     |          | A     | e     | -              | 25   | 7  | .15          |                          |
|     |          | A     | M     | -              | 42   | 42 | 1.00         |                          |
| 124 | - 25     | A     | iP    | 19             | 6    | 53 | .55          |                          |
|     |          | M     | iP    | -              | 6    | 54 | .05          |                          |
|     |          | A     | PP    | -              | 8    | 28 | .50          |                          |
|     |          | A     | iS    | -              | 12   | 45 | .35          |                          |
|     |          | M     | iS    | -              | 12   | 53 | .15          |                          |
|     |          | M     | i     | -              | 13   | 20 | .25          |                          |
|     |          | A     | i     | -              | 15   | 42 | .60          |                          |
|     |          | M     | i     | -              | 16   | 42 | .20          |                          |
|     |          | A     | i     | -              | 16   | 55 | .60          |                          |
|     |          | M     | i     | -              | 17   | 25 | .17          |                          |
|     |          | M     | M     | -              | 18   | 3  | .25          |                          |
|     |          | A     | M     | -              | 22   | 25 | .90          |                          |

Tremors and undecipherable disturbances were recorded on:-  
Instrument "A" - 4th, 7th, 16th (2), 17th, 18th, 23rd, 24th (2),  
and 28th.

Instrument "M" - 2nd, 3rd, 7th, 8th, 9th, 21st (3), 22nd,  
and 24th (2).

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PERTH, WESTERN AUSTRALIA

SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for October - December 1955



Instrument Columbia-Lamont long period seismograph.  
Milne-Shaw no. 27  
Symbol A  
M  
Component Vertical  
North - South

| No.                 | Date   | Inst. | Phase | Time<br>G.M.T. |       |    | Amp.<br>cms. | Remarks                 |
|---------------------|--------|-------|-------|----------------|-------|----|--------------|-------------------------|
|                     |        |       |       | h.             | m.    | s. |              |                         |
| <u>October 1955</u> |        |       |       |                |       |    |              |                         |
| 125                 | Oct. 4 | A     | eLR   | 7              | 56    | 15 | .10          | Tonga Islands<br>Region |
|                     |        | A     | M     | 8              | 2     | 7  | .22          |                         |
| 126                 | - 6    | A     | i     | 11             | 22    | 10 | .35          | Argentina               |
|                     |        | A     | i     | -              | 31    | 15 | .40          |                         |
|                     |        | A     | e     | -              | 57    | 16 | .12          |                         |
| 127                 | - 9    | A     | iP    | 17             | 46    | 48 | .23          | New Britain             |
|                     |        | A     | i     | -              | 48    | 7  | .18          |                         |
|                     |        | A     | i     | -              | 52    | 54 | .16          |                         |
|                     |        | A     | i     | -              | 55    | 58 | .30          |                         |
|                     |        | A     | i     | -              | 56    | 35 | .55          |                         |
|                     |        | A     | i     | 18             | 2     | 53 | .28          |                         |
|                     |        | A     | i     | -              | 6     | 11 | 1.10         |                         |
|                     |        | A     | M     | -              | 10    | 17 | 1.55         |                         |
| 128                 | - 10   | A     | iP    | 9              | 6     | 2  |              | New Britain             |
|                     |        | M     | eP    | -              | 6     | 8  | .08          |                         |
|                     |        | A     | i     | -              | 6     | 10 | 1.85         |                         |
|                     |        | M     | i     | -              | 6     | 30 | .08          |                         |
|                     |        | A     | i     | -              | 6     | 50 | .70          |                         |
|                     |        | A     | PP    | -              | 7     | 49 | .85          |                         |
|                     |        | M     | i     | -              | 8     | 0  | .10          |                         |
|                     |        | A     | iS    | -              | 12    | 22 | 3.45         |                         |
|                     |        | M     | iS    | -              | 12    | 23 | .35          |                         |
|                     |        | M     | i     | -              | 15    | 20 | .60          |                         |
|                     |        | A     | i     | -              | 15    | 30 | 4.20         |                         |
|                     |        | M     | i     | -              | 15    | 40 | .65          |                         |
|                     |        | A     | i     | -              | 16    | 25 | 5.10         |                         |
|                     |        | M     | i     | -              | 18    | 33 | .70          |                         |
|                     |        | A     | M     | -              | 24    | 33 | 9.40         |                         |
| M                   | M      | -     | 26    | 12             | 3.20  |    |              |                         |
| A                   | M      | -     | 28    | 27             | 11.00 |    |              |                         |
| M                   | M      | -     | 31    | 20             | 3.40  |    |              |                         |
| 129                 | - 13   | A     | iP    | 9              | 35    | 21 | .90          | Solomon Islands         |
|                     |        | M     | iP    | -              | 35    | 25 | .25          |                         |
|                     |        | A     | i     | -              | 35    | 38 | 1.00         |                         |
|                     |        | A     | i     | -              | 37    | 26 | .80          |                         |
|                     |        | M     | iS    | -              | 42    | 12 | .30          |                         |
|                     |        | A     | i     | -              | 42    | 23 | .60          |                         |
|                     |        | A     | i     | -              | 45    | 38 | .85          |                         |
|                     |        | M     | i     | -              | 45    | 45 | 2.40         |                         |
|                     |        | A     | i     | -              | 45    | 57 | .30          |                         |
|                     |        | M     | i     | -              | 49    | 32 | .85          |                         |
|                     |        | A     | M     | -              | 53    | 3  | 1.50         |                         |
| A                   | M      | -     | 53    | 23             | 6.50  |    |              |                         |
| A                   | M      | -     | 55    | 50             | 6.50  |    |              |                         |
| 130                 | - 17   | A     | i     | 1              | 26    | 17 | .30          | Solomon Is.             |
|                     |        | A     | M     | -              | 33    | 40 | .50          |                         |

| No. | Date    | Inst. | Phase | Time<br>G.M.T. |      |    | Amp.<br>cms. | Remarks                       |
|-----|---------|-------|-------|----------------|------|----|--------------|-------------------------------|
|     |         |       |       | h.             | m.   | s. |              |                               |
| 131 | Oct. 21 | A     | i     | 4              | 46   | 12 | .20          | Near Sumatra                  |
|     |         | A     | i     | -              | 49   | 38 | .27          |                               |
|     |         | A     | M     | -              | 51   | 45 | .65          |                               |
| 132 | - 21    | A     | iP    | 19             | 11   | 43 | .85          | Fiji Islands<br>(Deep Seated) |
|     |         | A     | PcP   | -              | 12   | 25 | .30          |                               |
|     |         | A     | i     | -              | 13   | 43 | .30          |                               |
|     |         | A     | i     | -              | 14   | 55 | .80          |                               |
|     |         | A     | i     | -              | 15   | 45 | .55          |                               |
|     |         | A     | iS(?) | -              | 19   | 0  |              |                               |
| 133 | - 21    | A     | M     | -              | 37   | 10 | 1.30         | Northern Celebes              |
|     |         | A     | iP    | 23             | 16   | 27 | .85          |                               |
|     |         | A     | i     | -              | 17   | 17 | .80          |                               |
|     |         | M     | i     | -              | 17   | 18 | .20          |                               |
|     |         | M     | i     | -              | 17   | 50 | .20          |                               |
|     |         | M     | i     | -              | 18   | 39 | .22          |                               |
|     |         | A     | i     | -              | 18   | 55 | .70          |                               |
|     |         | M     | iS    | -              | 21   | 45 | .45          |                               |
|     |         | A     | iS    | -              | 21   | 53 | 2.25         |                               |
|     |         | M     | i     | -              | 23   | 5  | .35          |                               |
|     |         | A     | i     | -              | 23   | 22 | 2.70         |                               |
|     |         | A     | M.    | -              | 29   | 20 | 5.50         |                               |
|     |         | M     | LR    | -              | 30   | 28 | .45          |                               |
| M   | M.      | -     | 31    | 40             | .70  |    |              |                               |
| A   | M.      | -     | 33    | 37             | 5.30 |    |              |                               |
| 134 | - 22    | A     | i     | 22             | 23   | 13 | .25          | New Britain                   |
|     |         | A     | i     | -              | 25   | 7  | .22          |                               |
|     |         | M     | i     | -              | 25   | 47 | .15          |                               |
|     |         | A     | i     | -              | 26   | 12 | .40          |                               |
|     |         | M     | i     | -              | 29   | 12 | .30          |                               |
|     |         | M     | M     | -              | 29   | 57 | .40          |                               |
|     |         | A     | M     | -              | 32   | 58 | 2.60         |                               |

Tremors and undecipherable disturbances were recorded-  
 By instrument "A" on 3rd (2), 7th, 11th, 14th (2), 19th,  
 20th, 22nd, 30th, and 31st (2).  
 By instrument "M" on 4th, 7th, 20th, 21st, 30th, and 31st.

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|     |        |   |      |    |      |    |     |             |
|-----|--------|---|------|----|------|----|-----|-------------|
| 135 | Nov. 1 | A | i    | 15 | 42   | 57 | .20 | Loyalty Is. |
|     |        | A | M    | -  | 47   | 14 | .35 |             |
| 136 | - 4    | A | i    | 23 | 12   | 45 | .35 |             |
|     |        | A | e    | -  | 30   | 10 | .10 |             |
|     |        | A | M    | -  | 44   | 25 | .40 |             |
| 137 | - 10   | A | i(?) | 1  | 51   | 0  | .45 | Samoa Is.   |
|     |        | A | i    | -  | 52   | 22 | .45 |             |
|     |        | A | i    | -  | 56   | 23 | .55 |             |
|     |        | A | i    | 2  | 2    | 15 | .70 |             |
|     |        | A | i    | 6  | 6    | 28 | .85 |             |
|     |        | A | i    | -  | 11   | 40 | .60 |             |
|     |        | A | M    | -  | 19   | 32 | .70 |             |
| A   | M      | - | 21   | 52 | 2.15 |    |     |             |

| No. | Date     | Inst. | Phase | Time<br>G.M.T. |      |    | Amp.<br>cms. | Remarks                 |
|-----|----------|-------|-------|----------------|------|----|--------------|-------------------------|
|     |          |       |       | h.             | m.   | s. |              |                         |
| 138 | Nov. 12. | M     | i     | 10             | 15   | 53 | .10          | New Britain             |
|     |          | A     | iP    | -              | 16   | 5  | .35          |                         |
|     |          | A     | i     | -              | 16   | 35 | .42          |                         |
|     |          | A     | i     | -              | 18   | 23 | .50          |                         |
|     |          | M     | i     | -              | 21   | 59 | .10          |                         |
|     |          | A     | i     | -              | 22   | 55 | .50          |                         |
|     |          | A     | i     | -              | 25   | 38 | .35          |                         |
|     |          | A     | i     | -              | 25   | 52 | 1.40         |                         |
|     |          | A     | i     | -              | 26   | 20 | .80          |                         |
|     |          | M     | i     | -              | 26   | 53 | .15          |                         |
|     |          | A     | e     | -              | 29   | 46 | .15          |                         |
|     |          | M     | M     | -              | 33   | 13 | .25          |                         |
| A   | M        | -     | 34    | 13             | 1.30 |    |              |                         |
| 139 | - 12     | A     | i     | 14             | 1    | 8  | .40          | New Britain             |
|     |          | A     | e     | -              | 4    | 52 | .15          |                         |
|     |          | A     | M     | -              | 8    | 26 | .35          |                         |
| 140 | - 12     | A     | i     | 16             | 16   | 40 | .45          | New Hebrides            |
|     |          | A     | M     | -              | 20   | 13 | .40          |                         |
| 141 | - 17     | A     | i     | 7              | 14   | 15 | .20          | Northern Chile          |
|     |          | A     | i     | -              | 23   | 50 | .20          |                         |
|     |          | A     | e     | -              | 43   | 19 | .10          |                         |
|     |          | A     | i     | -              | 51   | 48 | .22          |                         |
|     |          | A     | M     | 8              | 4    | 0  | 1.45         |                         |
| 142 | - 23     | A     | iP    | 6              | 42   | 31 | .70          | Kamchatka               |
|     |          | A     | i     | -              | 53   | 13 | .22          |                         |
|     |          | A     | e     | -              | 54   | 22 | .55          |                         |
|     |          | A     | i     | -              | 59   | 36 | .40          |                         |
|     |          | A     | i     | 7              | 7    | 36 | .65          |                         |
|     |          | A     | M     | -              | 16   | 14 | 1.20         |                         |
|     |          | A     | F     | 9              | 21   | 33 |              |                         |
| 143 | - 28     | A     | i     | 18             | 32   | 58 | .08          | Samoa Islands<br>region |
|     |          | A     | i     | -              | 48   | 18 | .10          |                         |
|     |          | A     | e     | -              | 52   | 22 | .05          |                         |
|     |          | A     | M     | 19             | 0    | 4  | .70          |                         |

Tremors and undecipherable disturbances were recorded :-

By instrument "A" on 1st (2), 5th, 8th, 11th (2), 13th, 14th(2), 15th (3), 19th (2), 22nd (2), 24th, and 27th (2).

By instrument "M" on 1st (2), 10th, 11th, 12th, 13th, 14th (2), 15th (2), 17th, 19th, 23rd, 27th (2), and 28th.

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|     |        |   |   |   |    |    |     |                   |
|-----|--------|---|---|---|----|----|-----|-------------------|
| 144 | Dec. 6 | A | e | 4 | 52 | 7  | .10 | Northern<br>Chile |
|     |        | A | e | 5 | 7  | 0  | .10 |                   |
|     |        | A | i | - | 35 | 45 | .20 |                   |
|     |        | A | M | - | 44 | 20 | .60 |                   |
|     |        | A | F | 6 | 56 | 57 |     |                   |

| No.  | Date    | Inst. | Phase | Time<br>G.M.T. |     |    | Amp.<br>cms. | Remarks                        |
|------|---------|-------|-------|----------------|-----|----|--------------|--------------------------------|
|      |         |       |       | h.             | m.  | s. |              |                                |
| 145  | Dec. 7. | A     | iP    | 15             | 13  | 47 | .70          | Bonin Island                   |
|      |         | A     | i     | -              | 13  | 59 | .45          |                                |
|      |         | A     | PP    | -              | 16  | 12 | .30          |                                |
|      |         | A     | i     | -              | 19  | 49 | .10          |                                |
|      |         | M     | i     | -              | 22  | 24 | .10          |                                |
|      |         | A     | iS    | -              | 22  | 29 | .35          |                                |
|      |         | A     | i     | -              | 32  | 5  | .20          |                                |
|      |         | A     | i     | -              | 32  | 48 | .50          |                                |
|      |         | M     | M     | -              | 38  | 39 | .10          |                                |
|      |         | A     | M     | -              | 43  | 37 | 1.05         |                                |
| A    | M       | -     | 44    | 45             | 1.0 |    |              |                                |
| A    | F       | 18    | 25    | 56             |     |    |              |                                |
| 146  | - 15    | A     | iPP   | 19             | 12  | 24 | .15          | Bismark Sea                    |
|      |         | A     | eS    | -              | 17  | 11 | .15          |                                |
|      |         | A     | e     | -              | 19  | 52 | .15          |                                |
|      |         | M     | i     | -              | 19  | 55 | .08          |                                |
|      |         | A     | i     | -              | 23  | 55 | .55          |                                |
|      |         | M     | i     | -              | 26  | 33 | .17          |                                |
|      |         | M     | i     | -              | 28  | 53 | .40          |                                |
|      |         | A     | M     | -              | 29  | 57 | 2.45         |                                |
| M    | M       | -     | 30    | 00             | .50 |    |              |                                |
| 147. | - 19    | A     | iP    | 3              | 21  | 43 | .25          | Near east coast<br>of Mindanao |
|      |         | A     | i     | -              | 23  | 31 | .25          |                                |
|      |         | A     | iS    | -              | 27  | 59 | .20          |                                |
|      |         | A     | ScS   | -              | 31  | 39 | .25          |                                |
|      |         | A     | i     | -              | 33  | 34 | .75          |                                |
|      |         | A     | M     | -              | 43  | 55 | .65          |                                |
| 148  | - 27    | A     | e     | 9              | 8   | 17 | .10          | Marianas Is.                   |
|      |         | A     | i     | -              | 18  | 27 | .20          |                                |
|      |         | A     | M     | -              | 22  | 8  | .55          |                                |

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 2nd, 4th, 5th, 8th (2), 12th, 14th,  
21st, 27th, 29th (2), 30th, and 31st.

by instrument "M" on:- 6th, 8th, 12th, and 19th.

