

## Bulletin of the Seismological Station

IVIGTUT

 $\Phi = 61^{\circ} 12' N. \Lambda = 48^{\circ} 11' W. h = 20m.$ 

Lithologic Foundation: Gneiss.

Instruments: Wiechert 1000 kg. Horizontal Seismograph.  
Wiechert 1300 kg. Vertical Seismograph.

Constants:

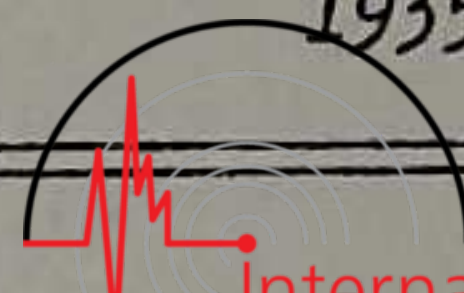
| Component | T    | v   | r   | V   |
|-----------|------|-----|-----|-----|
|           | sec. |     | mm. |     |
| N         | 9.0  | 3.7 | 0.2 | 175 |
| E         | 9.2  | 4.3 | 0.3 | 210 |
| Z         | 5.3  | 4.3 | 0.1 | 195 |

| No.             | Date            | Hour | Forerunners |                 |      |    | L     | Undef. | $\Delta$ | Remarks |   |   |    |    |  |
|-----------------|-----------------|------|-------------|-----------------|------|----|-------|--------|----------|---------|---|---|----|----|--|
|                 |                 |      | P           |                 | S    |    |       |        |          |         | h | m | h  | m  | o  |
|                 |                 |      | m           | s               | m    | s  | h     | m      | s        | m       | s | h | m  | o  |  |
|                 | 1935            |      |             |                 |      |    |       |        |          |         |   |   |    |    |  |
|                 | Jan.            |      |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 1               | 4               | 14   |             |                 | 57   | 25 | 61.0  |        |          |         |   |   |    |    | Asia Minor. Masked by microseisms.   |
| 2               | 4               | 16   |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 3               | 23              | 7    |             |                 | 42   |    |       |        |          |         |   |   |    |    | Aleutian Islands. Masked by strong microseisms.                            |
| 4               | 26              | 17   |             |                 |      |    |       |        |          |         |   |   | 56 |    |  |
|                 | Febr.           |      |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 5               | 22              | 17   |             |                 | 24   | 40 |       |        |          |         |   |   | 32 |    | Bering Sea. Preceding movement masked by microseisms.                      |
| 6               | 25              | 3    | 0.4         |                 | 7    | 37 | 0 52  | 8 9    |          |         |   |   |    |    | P uncertain. Crete. Deep focus.  |
|                 | March           |      |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 7               | 5               | 10   |             |                 |      |    |       |        |          |         |   |   |    |    | Faint.   |
| 8               | 14              | 16   |             |                 |      |    |       |        |          |         |   |   |    |    | "  |
| 9               | 30              | 21   |             |                 |      |    | 42.0  |        |          |         |   |   |    |    |  |
| 10              | 31              | 3    |             |                 |      |    |       |        |          |         |   |   |    |    |  |
|                 | April           |      |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 11              | 3               | 11   |             |                 | 31.9 |    |       |        |          |         |   |   |    |    | No Records. Badakshan.   |
| 12              | 5               | 9    |             |                 |      |    |       |        |          |         |   |   | 34 |    |  |
| 13              | 11              | 2    |             |                 |      |    |       |        |          |         |   |   |    |    | Faint.   |
| 14              | 11              | 23   | 25          | 20 <sup>x</sup> | 33   | 57 | 27 39 | 38.1   |          |         |   |   | 44 | 64 | e <sub>E</sub> 35 <sup>m</sup> .4. Persia.                                 |
| 15              | 18              | 22   | 18          | 54              |      |    |       |        |          |         |   |   | 23 |    | Baffin Bay.  |
| 16 <sup>x</sup> | 19 <sup>x</sup> | 15   | 32          | 18              | 39   | 27 | 34 17 | 43.4   |          |         |   |   | 50 | 50 | Mediterranean Sea.   |
| 17              | 19              | 18   |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 18              | 19              | 20   |             |                 |      |    |       |        |          |         |   |   |    |    |  |
| 19              | 20              | 5    | 119         | 57              | 27   | 3  | 21 54 | 30.9   |          |         |   |   |    |    | S small, uncertain; e <sub>N</sub> 27 <sup>m</sup> 17 <sup>s</sup> larger. |
| 20              | 20              | 22   | 15          | 27              |      |    | 25 55 | 26.5   |          |         |   |   |    |    | Tripolis. Japan.   |



| Date            | Hour            | Forerunners |    |      |                 | L    | Undef. | △    | Remarks |                                     |
|-----------------|-----------------|-------------|----|------|-----------------|------|--------|------|---------|-------------------------------------|
|                 |                 | P           |    | S    |                 |      |        |      |         |                                     |
|                 |                 | m           | s  | m    | s               | h    | m      | h    | m       | o                                   |
| 1935            |                 |             |    |      |                 |      |        |      |         |                                     |
| April           |                 |             |    |      |                 |      |        |      |         |                                     |
| 1               | 21              |             | 8  |      |                 |      | .6     |      |         |                                     |
| 22              | 24              |             | 19 |      |                 |      | .4     |      |         | Faint.                              |
| 23              | 27              |             | 19 |      |                 |      | 16     |      |         |                                     |
| May             |                 |             |    |      |                 |      |        |      |         |                                     |
| 24              | 1               |             | 10 | 42.2 |                 |      | 50     |      |         | Transcaucasia.                      |
| 25              | 7               |             | 6  |      |                 |      | .9     |      |         |                                     |
| 26              | 11              |             | 19 |      |                 |      | 28     |      |         |                                     |
| 27              | 12              |             | 20 |      |                 |      | .9     |      |         |                                     |
| 28              | 13              |             | 20 |      |                 |      | .7     |      |         |                                     |
| 29 <sup>x</sup> | 14 <sup>x</sup> |             | 23 | 41.8 |                 | 43   | 52     | 1.2  |         | South Atlantic Ocean.               |
| 30              | 15              |             | 2  | 23.0 |                 |      |        | .7   |         | S small, uncertain.<br>Baluchistan. |
| 31              | 16              |             | 21 |      |                 |      | .8     |      |         |                                     |
| 32              | 17              |             | 13 |      |                 |      | .0     |      |         | Faint.                              |
| 33              | 18              |             | 17 |      |                 |      | .7     |      |         |                                     |
| 34 <sup>x</sup> | 23 <sup>x</sup> | 6           | 25 | 12   | 14              |      |        | 15   | 37      | Atlantic Ocean.                     |
| 35 <sup>x</sup> | 24 <sup>x</sup> |             | 5  |      |                 | 55   | 15     | 64.8 |         | Philippines.                        |
| 36              | 26              |             | 22 |      |                 | 30   | 5      | 1.1  |         |                                     |
| 37              | 27              |             | 4  |      |                 |      |        | .4   |         |                                     |
| 38 <sup>x</sup> | 30 <sup>x</sup> | 144         | 37 | 54   | 25              | 59.2 |        | 1.1  | 77      | Baluchistan.                        |
| 39              | 31              |             | 8  | 39   | 32              | 42.5 |        |      |         | Japan.                              |
| June            |                 |             |    |      |                 |      |        |      |         |                                     |
| 40              | 2               | 28          | 8  | 37.8 |                 |      |        |      |         | Baluchistan.                        |
| 41              | 11              |             | 22 |      |                 |      |        | .4   |         | Faint.                              |
| 42              | 18              |             | 23 |      |                 |      |        | .6   |         | Faint.                              |
| 43              | 19              |             | 23 |      |                 |      |        | .3   |         |                                     |
| 44 <sup>x</sup> | 24 <sup>x</sup> |             | 23 |      |                 | 142  | 5      | 44.1 |         | New Hebrides.                       |
| 45              | 25              |             | 12 |      |                 |      |        | 1.1  |         | Forerunners disturbed.              |
| 46              | 28              |             | 3  |      |                 |      |        | .0   |         |                                     |
| 47              | 28              |             | 19 |      |                 | 21   | 7      | .7   |         |                                     |
| 48              | 29              | 58          | 43 | 66   | 40              | 59   | 38     | 62.1 | 1.3     | 58                                  |
| 49              | 30              |             | 0  |      |                 |      |        | 36   |         | SSS 72 <sup>m</sup> .8. Mexico.     |
| July            |                 |             |    |      |                 |      |        |      |         |                                     |
| 50              | 5               | 3           | 58 | 13   | 4               |      |        |      | 69      | Buchara.                            |
| 51              | 6               |             | 3  |      |                 |      |        | .9   |         |                                     |
| 52              | 7               |             | 13 |      |                 |      |        | 1.2  |         | Small preceding movement.           |
| 53              | 9               |             | 7  |      |                 |      |        | .5   |         | Faint.                              |
| 54              | 9               | 34          | 32 |      |                 | 45   | 12     | 45   | 24      | 1.2                                 |
| 55              | 11              |             | 14 |      |                 |      |        | .2   |         | PS 46 <sup>m</sup> .4. Chile.       |
| 56              | 13              |             | 15 |      |                 |      |        | .7   |         |                                     |
| 57              | 16              | 32          | 14 |      |                 |      |        | 1.1  |         | Formosa.                            |
| 58              | 17              |             | 0  |      |                 |      |        | 18   |         |                                     |
| 59              | 17              |             | 0  |      |                 |      |        | .9   |         |                                     |
| 60              | 17              |             | 4  |      |                 |      |        | 58   |         |                                     |
| 61              | 17              |             | 11 |      |                 | 5    | 5      | 6.5  |         | .7                                  |
| 62              | 19              | 2           | 7  | 12   | 26 <sup>x</sup> | 2    | 13     | 12   | 18      | .4                                  |
| 63              | 26              |             | 5  |      |                 |      |        | .2   |         | 83                                  |
| 64              | 26              |             | 11 |      |                 |      |        | .3   |         |                                     |
| 65 <sup>x</sup> | 29 <sup>x</sup> |             | 7  |      |                 | 57   | 2      | 159  | 1       |                                     |
| Aug.            |                 |             |    |      |                 |      |        |      |         |                                     |
| 66              | 1               |             | 14 |      |                 | 32   | 51     | 40.4 |         | 1.0                                 |
| 67              | 1               |             | 16 | 26   | 7               |      |        |      |         | 32                                  |
| 68              | 1               |             | 18 |      |                 |      |        |      |         | 19                                  |
| 69              | 3               |             | 1  |      |                 | 28   | 54     | 35.3 |         | 1.0                                 |
| 70              | 3               |             | 12 |      |                 |      |        | .8   |         |                                     |





| No.              | Date            | Hour | Forerunners |    |      |    | L    | Undef. | △    | Remarks |    |   |
|------------------|-----------------|------|-------------|----|------|----|------|--------|------|---------|----|---|
|                  |                 |      | P           |    | S    |    |      |        |      |         |    |   |
|                  |                 |      | m           | s  | m    | s  | h    | m      | h    | m       | o  |   |
|                  | 1935            |      |             |    |      |    |      |        |      |         |    |   |
|                  | Oct.            |      |             |    |      |    |      |        |      |         |    |   |
| 118              | 25              | 1    |             |    |      |    |      | .1     |      |         |    |   |
| 119              | 31              | 18   |             |    |      |    |      | 57     |      |         |    |   |
|                  | Nov.            |      |             |    |      |    |      |        |      |         |    |   |
| 120 <sup>x</sup> | 1 <sup>x</sup>  | 6    | 8           | 38 | 12   | 46 | 13   | 52     |      |         | 23 | Canada.                                       |
| 121              | 1               | 16   |             |    |      |    |      | 1.1    |      |         |    | Small preceding movement.                     |
| 122              | 4               | 10   |             |    |      |    |      | 41     |      |         |    | Strong microseisms.                           |
| 123              | 10              | 18   |             |    |      |    |      | .8     |      |         |    | "   |
| 124              | 14              | 21   |             |    |      |    |      | .0     |      |         |    | "   |
| 125              | 17              | 8    |             |    |      |    |      | .7     |      |         |    | S small, uncertain.                           |
| 126              | 23              | 8    |             |    | 12.2 |    | 20.0 |        |      |         |    | Off Ecuador.                                  |
| 127              | 25              | 11   |             |    |      |    |      | .1     |      |         |    | Preceding movement                            |
| 128              | 30              | 3    |             |    |      |    |      | 1.1    |      |         |    | masked by microseisms.                        |
|                  | Dec.            |      |             |    |      |    |      |        |      |         |    |   |
| 129              | 8               | 23   |             |    |      |    |      | .0     |      |         |    | Faint.  |
| 130              | 14              | 1    | i41         | 39 | 50   | 14 | 43   | 51     | 50   | 47      |    | e 54 <sup>m</sup> .o. Ecuador.<br>Deep focus. |
| 131 <sup>x</sup> | 14 <sup>x</sup> | 22   | 15          | 2  | 22   | 47 | 17   | 14     | 27.0 |         | 56 | Guatemala.                                    |
| 132 <sup>x</sup> | 15 <sup>x</sup> | 7    |             |    |      |    | 29.0 |        | 38.2 |         |    | Solomon Islands.                              |
| 133              | 16              | 17   | i 7         | 49 | 16   | 22 | 20.2 |        |      |         |    | Ecuador. Deep focus.                          |
| 134              | 17              | 14   |             |    |      |    |      | .3     |      |         |    | East of Formosa.                              |
| 135 <sup>x</sup> | 17 <sup>x</sup> | 19   | 31.2        |    |      |    | 34   | 55     | 41.6 | 1.0     |    |   |
| 136              | 18              | 7    |             |    |      |    |      | .9     |      |         |    | Faint.  |
| 137              | 18              | 17   |             |    |      |    |      | .9     |      |         |    |   |
| 138              | 20              | 19   |             |    |      |    |      | .6     |      |         |    |   |
| 139              | 21              | 12   |             |    |      |    |      |        |      | 26      |    |   |
| 140 <sup>x</sup> | 28 <sup>x</sup> | 2    | 50.4        |    |      |    | 54   | 48     | 64.5 | 1.4     |    | Sumatra.                                      |
| 141              | 28              | 19   |             |    |      |    |      |        |      | 27      |    | Faint.  |

<sup>x</sup> affixed to number and date refers to Notes.

<sup>x</sup> affixed to time of phase indicates that beginning of phase is in time-mark.

Notes

- No. 16. April 19. 15<sup>h</sup>. Mediterranean Sea. The beginning of P not quite certain; masked by irregular microseisms; second swing large. e 32<sup>m</sup>53<sup>s</sup>. PP 34<sup>m</sup>17<sup>s</sup>, larger than P. S very large. e<sub>E</sub> 40<sup>m</sup>14<sup>s</sup>. e<sub>N</sub> 40<sup>m</sup>.5. SS<sub>E</sub> 43<sup>m</sup>.4 very large; immediately followed by L.
- No. 29. May 14. 23<sup>h</sup>. South Atlantic Ocean; △ = ca. 125°. P' 41<sup>m</sup>.8 small; PP 43<sup>m</sup>52<sup>s</sup> larger. e<sub>N,E</sub> 44<sup>m</sup>19<sup>s</sup>. SKS 48<sup>m</sup>.6. e 49<sup>m</sup>.2. PS 53<sup>m</sup>.4. SS 59<sup>m</sup>.8.
- No. 35. May 24. 5<sup>h</sup>. Philippines; △ = ca. 105°. PP 55<sup>m</sup>15<sup>s</sup>. SKS<sub>N</sub> 61<sup>m</sup>.8. SKKS 62<sup>m</sup>36<sup>s</sup>. PS 64<sup>m</sup>.8. SS 70<sup>m</sup>.2.
- No. 38. May 30. 21<sup>h</sup>. Baluchistan. iP, condensation, followed by a train of oscillations increase of movement 45<sup>m</sup>.1. S<sub>N</sub> 54<sup>m</sup>25<sup>s</sup>, S<sub>E</sub> 54<sup>m</sup>28<sup>s</sup>, e 54<sup>m</sup>49<sup>s</sup> larger on N. e 56<sup>m</sup>.5. SS 59<sup>m</sup>.2.
- No. 44. June 24. 23<sup>h</sup>. New Hebrides Islands region; △ = ca. 130°. iP' 42<sup>m</sup>5<sup>s</sup>,

## Notes

- condensation. PP  $44^m.1$ . PKS  $45^m.3$ . PS<sub>Z</sub>  $54^m59^s$ . PPS<sub>E</sub>  $56^m.2$ . SS  $61^m$ .
- No. 65. July 29. 7<sup>h</sup>. South Pacific Ocean;  $\Delta = \text{ca. } 130^\circ$ . Deep focus. eP'  $57^m2^s$  quite small; i  $57^m4^s$ . iPP<sub>Z</sub>  $59^m1^s$ ; i  $59^m9^s$  larger. PKS  $60^m.3$ , large on N and E. e<sub>E</sub>  $61^m.6$ ; e<sub>N</sub>  $62^m.0$ . In subsequent movement phases not clearly marked. e  $75^m.6$ ;  $78^m.3$ .
- No. 77. Aug.17. 2<sup>h</sup>. Pacific Ocean;  $\Delta = \text{ca. } 130^\circ$ . P'<sub>Z</sub>  $3^m46^s$ ; iPP<sub>Z</sub>  $6^m19^s$ . PKS<sub>N,E</sub>  $7^m18^s$ . Later phases not clearly marked. e  $13^m.6$ ; PS  $16^m.7$ ; PPS  $18^m.4$ . SS  $23^m.5$ ;  $24^m.4$ . SSS  $28^m.8$ .
- No. 78. Aug.22. 20<sup>h</sup>. Baffin Bay. e  $37^m33^s$ . Possibly a small earlier beginning masked by microseisms. L irregular.
- No. 90. Sept.11. 14<sup>h</sup>. Yeso. iP, condensation, large on Z and N. e  $22^m.0$ . iS  $25^m16^s$  very large on N; i PS<sub>E</sub>  $25^m39^s$  and i<sub>E</sub>  $26^m8^s$  very large. e<sub>E</sub>  $26^m59^s$ . SS  $30^m.5$ . L<sub>Q</sub> waves large, of long period. M not very large; focus probably deeper than normal.
- No. 96. Sept.20. 2<sup>h</sup>. South of Caroline Islands;  $\Delta = \text{ca. } 120^\circ$ . P'<sub>Z</sub>  $5^m.8$  small. PP<sub>Z</sub>  $6^m59^s$ ; e  $7^m24^s$ . e<sub>Z</sub>  $8^m14^s$ . e<sub>N</sub>  $11^m.9$ . SKS  $12^m47^s$ . SKKS  $14^m17^s$ . e<sub>E</sub>  $15^m11^s$ ;  $15^m54^s$ . PS  $17^m10^s$ . SS  $24^m.0$ .
- No. 97. Sept.20. 5<sup>h</sup>. Pacific Ocean;  $\Delta = \text{ca. } 120^\circ$ . PP  $43^m32^s$ . SKS  $48^m58^s$ ; SKKS  $50^m39^s$ . PS  $53^m17^s$ . SS  $60^m.2$ .
- No. 99. Sept.23. 9<sup>h</sup>. Pacific Ocean;  $\Delta = \text{ca. } 120^\circ$ . PP  $38^m44^s$  preceded by small movement. SKS  $44^m.2$ ; SKKS  $45^m44^s$  larger. PS  $48^m.5$ . SS  $55^m.6$ .
- No.120. Nov.1. 6<sup>h</sup>. Timiskaming, Canada. The beginning of P small, the reading not quite certain; increase of movement i<sub>Z</sub>  $8^m40^s$ ; i<sub>Z</sub>  $8^m44^m$ .
- No.131. Dec.14. 22<sup>h</sup>. Guatemala. The beginning of P not quite certain, possibly earlier than read. PP  $17^m14^s$ ; PPP  $18^m26^s$  larger. S  $22^m47^s$ . e  $24^m.1$ . SS  $27^m.0$ ; SSS  $29^m.1$  followed by L. M large.
- No.132. Dec.15. 7<sup>h</sup>. Solomon Islands;  $\Delta = \text{ca. } 125^\circ$ . No definite beginning; later phases not clearly marked. (PP)  $29^m.0$ . e  $30^m.4$ ,  $35^m.9$ . PS  $38^m.2$ ; e  $39^m.4$ ;  $42^m.3$ . SS  $45^m.1$ .
- No.135. Dec.17. 19<sup>h</sup>. East of Formosa;  $\Delta = \text{ca. } 95^\circ$ . P small. PP  $34^m55^s$ . SKS<sub>N</sub>  $41^m.6$ . (S)<sub>E</sub>  $42^m20^s$ . PS  $43^m.6$ ; e  $47^m.8$ . SSS  $53^m$ .
- No. 140. Dec.28. 2<sup>h</sup>. Sumatra;  $\Delta = \text{ca. } 115^\circ$ . Phases clearly marked. P  $50^m.4$  and P'  $53^m.9$  quite small. PP  $54^m48^s$ ,  $55^m.0^s$ . PPP  $57^m.7$ . SKS  $60^m47^s$ . e  $62^m.4$ ;  $62^m51^s$ . PS  $64^m.5$ , e  $66^m.5$  large. SS  $70^m.6$ ; SSS  $74^m.9$ .