

1910

# Wöchentliche Erdbebenberichte

des

## Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.  
Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep =Pendel Rebeur-Ehlert nach W. 30°S.  
Mp. = " " " " N.  
Wp.= " " " " E. 30°S.  
BN. = " Bosch " N.  
BE. = " " " E.  
! bedeutet einen plötzlichen Einsatz.

19 10

Vom 19<sup>III</sup> 5<sup>h.</sup> 19<sup>m</sup> bis26<sup>III</sup> 5<sup>h.</sup> 18<sup>m</sup>

No 163

International  
Seismological  
Centre

Seismological  
Centre

| Datum.                                                                          | Pendel.           | 1 Vorläufer.   |    |                | 2 Vorläufer. |          |    | Hauptphase. |    |     | Maxim. i. d. Hauptph. |                        | Absolut. Maxim.   |    |                         |                   | Ende. |    |
|---------------------------------------------------------------------------------|-------------------|----------------|----|----------------|--------------|----------|----|-------------|----|-----|-----------------------|------------------------|-------------------|----|-------------------------|-------------------|-------|----|
|                                                                                 |                   | h.             | m. | s.             | h.           | m.       | s. | h.          | m. | s.  | h.                    | Zeit.<br>m. s.         | Ampl.<br>mm.      | h. | Zeit.<br>m. s.          | Ampl.<br>mm.      | h.    | m. |
| 22 III                                                                          | Ep.<br>Mp.<br>Wp. | 2<br>2<br>2    |    |                | —<br>—<br>2  |          |    | 1           | 50 | 23  | 1                     | 50 47<br>50 47<br>2    | 1.6<br>1.0<br>1.0 |    |                         |                   | 3     | —  |
| 22 III                                                                          | Ep.<br>Mp.<br>Wp. | 2<br>2<br>2    |    |                | —<br>2<br>2  |          |    | 2           | 16 | 51  | 2                     | 18 42<br>20 58<br>20 1 | 3.0<br>2.8<br>2.2 |    |                         |                   | "     | "  |
| 23 III                                                                          | Ep.<br>Mp.<br>Wp. | 14<br>2<br>42  | 42 | 22             | 2<br>2<br>14 | 46       | 28 | 14          | 52 | 3 ? | 14                    | 55 30<br>58 3<br>55 30 | 4.4<br>3.6<br>4.7 |    |                         |                   | 15    | 35 |
| 25 III                                                                          | Ep.<br>Mp.<br>Wp. | 15<br>45<br>45 | 45 | 29<br>32<br>32 | 2<br>15<br>2 | 55<br>19 |    | 16          | 31 | 30  | 16                    | 0 9<br>58 13<br>6 42   | 5.2<br>7.3<br>2.7 | 16 | 58 33<br>32 53<br>45 43 | 1.6<br>1.0<br>1.3 | 18    | —  |
| <div>Dasjenige in der Hauptphase.</div>                                         |                   |                |    |                |              |          |    |             |    |     |                       |                        |                   |    |                         |                   |       |    |
| <div>Mikroseismische Unruhe von 5h. am 24-ten bis 10<sup>h</sup>. am 24-t</div> |                   |                |    |                |              |          |    |             |    |     |                       |                        |                   |    |                         |                   |       |    |
| <div>P. Stelling. —</div>                                                       |                   |                |    |                |              |          |    |             |    |     |                       |                        |                   |    |                         |                   |       |    |

Dasjenige in der Hauptphase.

Mikroseismische Unruhe von 5<sup>h.</sup> am 24-ten bis 10<sup>h.</sup> am 24-t

P. Stelling. —

1910

# Wöchentliche Erdbebenberichte

des

## Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.  
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BN. = " Bosch " N.  
BE. = " " " " E.

! bedeutet einen plötzlichen Einsatz.

| Datum.                                                       | Pendel. | 1 Vorläufer. |    |     | 2 Vorläufer. |    |    | Hauptphase. |    |    | Maxim. i. d. Hauptph. |    |    |              | Absolut. Maxim.                   |    |    |              | Ende. |    |
|--------------------------------------------------------------|---------|--------------|----|-----|--------------|----|----|-------------|----|----|-----------------------|----|----|--------------|-----------------------------------|----|----|--------------|-------|----|
|                                                              |         | h.           | m. | s.  | h.           | m. | s. | h.          | m. | s. | h.                    | m. | s. | Ampl.<br>mm. | h.                                | m. | s. | Ampl.<br>mm. | h.    | m. |
| 1 <u>V</u>                                                   | Ep.     | 18           | 50 | 3?  |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
|                                                              |         |              | 53 | 27  | ?            |    |    | ?           |    |    | 20                    | 1  | 45 | 3.3          | 19                                | 6  | 29 | 3.5          | 23    | 35 |
|                                                              | Mp.     |              | 50 | 6   |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
|                                                              |         |              | 53 | 31  | ?            |    |    | 19          | 33 | 40 |                       | 4  | 4  | 2.0          | 18                                | 55 | 46 | 4.6          |       | "  |
|                                                              | Wp.     |              | ?  |     |              |    |    | ?           |    |    |                       |    |    |              |                                   |    |    |              |       |    |
|                                                              |         |              | 53 | 31? | ?            |    |    | ?           |    |    | 19                    | 55 | 17 | 3.2          | 19                                | 13 | 4  | 4.0          |       | "  |
| Epizentrum Cartago (Costa-Rica).                             |         |              |    |     |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
| 4 <u>V</u>                                                   | Ep.     |              | ?  |     | ?            |    |    | ?           |    |    | ?                     |    |    | ?            |                                   |    |    | ?            |       | ?  |
|                                                              | Mp.     |              | ?  |     | ?            |    |    | ?           |    |    | ?                     |    |    | ?            | 0                                 | 15 | 15 | 2.0          |       |    |
|                                                              | Wp.     |              | ?  |     | ?            |    |    | ?           |    |    | ?                     |    |    | ?            |                                   |    |    | ?            |       |    |
| 4 <u>V</u>                                                   | Ep.     |              | ?  |     | —            |    |    | 1           | 37 | 41 | 1                     | 38 | 14 | 2.8          | Dasjenige<br>in der<br>Hauptphase |    |    |              |       |    |
|                                                              | Mp.     |              | ?  |     | —            |    |    |             | 37 | 41 |                       | 38 | 41 | 2.0          |                                   |    |    |              |       |    |
|                                                              | Wp.     |              | ?  |     | —            |    |    |             | 37 | 41 |                       | ?  |    | <1.0         |                                   |    |    |              |       |    |
| 4 <u>V</u>                                                   | Ep.     |              | ?  |     | ?            |    |    | 18          | 35 | 11 |                       | ?  |    | <1.0         |                                   |    | ?  |              | 19    | 30 |
|                                                              | Mp.     |              | ?  |     | ?            |    |    |             | 35 | 11 |                       | ?  |    | <1.0         |                                   |    | ?  |              |       | "  |
|                                                              | Wp.     |              | ?  |     | ?            |    |    |             | ?  |    |                       | ?  |    | <1.0         | 18                                | 34 | 41 | 1.9          |       | "  |
| 5 <u>V</u>                                                   | Ep.     |              | ?  |     | ?            |    |    | 1           | 28 | 56 |                       | ?  |    | <1.0         |                                   |    | ?  |              | 2     | 30 |
|                                                              | Mp.     |              | ?  |     | ?            |    |    |             | ?  |    |                       | ?  |    | <1.0         | 1                                 | 9  | 15 | 1.1          |       | "  |
|                                                              | Wp.     |              | ?  |     | ?            |    |    |             | ?  |    |                       | ?  |    | <1.0         |                                   |    | ?  |              |       | "  |
| Mikroseismische Unruhe: von 21 h. am 1-ten bis 1 h. am 2-ten |         |              |    |     |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
| " 8 h. " 2 " " 16 h. " 2 "                                   |         |              |    |     |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
| " 11 h. " 4 " " 16 h. " 4 "                                  |         |              |    |     |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
| " 3 h. " 6 " " 9 1/2. " 6 "                                  |         |              |    |     |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |
| " 11 h. " 6 " " 14 h. " 6 " starke                           |         |              |    |     |              |    |    |             |    |    |                       |    |    |              |                                   |    |    |              |       |    |

P. Stelling.

Seismological  
Centre

| Datum.                         | Pendel. | 1 Vorläufer. |    |    | 2 Vorläufer. |    |    | Hauptphase. |    |     | Maxim. i. d. Hauptph. |             |    |              | Absolut. Maxim.                   |             |    |              | Ende. |    |    |
|--------------------------------|---------|--------------|----|----|--------------|----|----|-------------|----|-----|-----------------------|-------------|----|--------------|-----------------------------------|-------------|----|--------------|-------|----|----|
|                                |         | h.           | m. | s. | h.           | m. | s. | h.          | m. | s.  | h.                    | Zeit.<br>m. | s. | Ampl.<br>mm. | h.                                | Zeit.<br>m. | s. | Ampl.<br>mm. | h.    | m. |    |
| 9 <sup>h</sup> 15 <sup>m</sup> | E/p.    |              | 2  |    |              | 2  |    | 10          | 32 | 39  | 10                    | 49          | 23 | 2.1          | Dasjenige<br>in der<br>Hauptphase |             |    |              |       | 11 | 30 |
|                                | M/p.    |              | 2  |    |              | 2  |    |             | 32 | 39  |                       | 40          | 34 | 1.3          |                                   |             |    |              |       | "  |    |
|                                | W/p.    |              | 2  |    |              | 2  |    |             | 32 | 39  |                       | 50          | 26 | 2.1          |                                   |             |    |              |       | "  |    |
| 10 <sup>h</sup> 5 <sup>m</sup> | E/p.    |              | 2  |    |              | 2  |    |             |    |     |                       | 2           |    | 4.0          | 10                                | 2           | 23 | 2.2          | 11    | —  |    |
|                                | M/p.    |              | 2  |    | 9            | 52 | 58 |             |    |     |                       | 2           |    | 4.0          | 9                                 | 54          | 13 | 2.3          | "     |    |    |
|                                | W/p.    |              | 2  |    |              | 2  |    |             |    |     | 10                    | 11          | 23 | 2.0          |                                   | 2           |    |              | "     |    |    |
| 10 <sup>h</sup> 5 <sup>m</sup> | E/p.    |              | 2  |    |              | 2  |    | 14          | 35 | 2.1 | 14                    | 52          | 2  | 2.2          | Dasjenige<br>in der<br>Hauptphase |             |    |              |       |    |    |
|                                | M/p.    |              | 2  |    |              | 2  |    |             | 35 | 2.1 |                       | 46          | 19 | 1.5          |                                   |             |    |              |       |    |    |
|                                | W/p.    |              | 2  |    |              | 2  |    |             | 35 | 2.1 |                       | 46          | 19 | 2.5          |                                   |             |    |              |       |    |    |
| 10 <sup>h</sup> 5 <sup>m</sup> | E/p.    |              | 2  |    |              | 2  |    | 18          | 49 | 2.0 | 19                    | 4           | 2  | 2.0          | 18                                | 20          | 11 | 2.2          | 20    | 20 |    |
|                                | M/p.    |              | 2  |    | 18           | 15 | 6  |             | 49 | 2.0 | 18                    | 58          | 27 | 1.8          |                                   | 16          | 30 | 3.1          | "     |    |    |
|                                | W/p.    |              | 2  |    |              | 15 | 6  |             | 49 | 2.0 |                       | 57          | 51 | 2.3          |                                   | 18          | 5  | 3.3          | "     |    |    |
| 11 <sup>h</sup> 5 <sup>m</sup> | E/p.    | 15           | 55 | 38 | 15           | 56 | 36 | 15          | 59 | 7.1 | 16                    | 4           | 36 | 5.5          | Dasjenige<br>in der<br>Hauptphase |             |    |              |       | 18 | 5  |
|                                | M/p.    |              | 55 | 38 |              | 56 | 36 |             | 59 | 7.1 |                       | 0           | 1  | 4.6          |                                   |             |    |              |       | "  |    |
|                                | W/p.    |              | 55 | 38 |              | —  |    |             | 59 | 7.1 |                       | 2           | 29 | 7.0          |                                   |             |    |              |       | "  |    |
| 12 <sup>h</sup> 5 <sup>m</sup> | E/p.    |              | 2  |    |              | 2  |    | 4           | 1  | 9?  | 4                     | 11          | 22 | 1.5          | 3                                 | 59          | 24 | 1.8          | 5     | 5  |    |
|                                | M/p.    |              | 2  |    |              | 2  |    |             | 2  |     |                       | 2           |    | 4.0          |                                   | 2           |    |              | "     |    |    |
|                                | W/p.    |              | 2  |    |              | 2  |    | 1           | 9? |     |                       | 11          | 22 | 2.0          |                                   | 2           |    |              | "     |    |    |
| 13 <sup>h</sup> 5 <sup>m</sup> | E/p.    |              | 2  |    | 7            | 21 | 6! | 3           | 47 | 15  | 9                     | 3           | 54 | 10.1         | 8                                 | 25          | 18 | 13.1         | 12    | —  |    |
|                                | M/p.    |              | 2  |    |              | 21 | 6  |             | 47 | 9   |                       | 55          | 48 | 6.1          |                                   | 24          | 9  | 17.0         | "     |    |    |
|                                | W/p.    |              | 2  |    |              | 21 | 6  |             | 47 | 15  |                       | 52          | 48 | 10.4         |                                   | 25          | 18 | 17.2         | "     |    |    |

Mikroseismische Unruhe: am 11<sup>ten</sup> von 9<sup>h</sup> bis 19<sup>h</sup>.

P. Stelling.

| Datum.       | Pendel. | 1 Vorläufer. |    |    | 2 Vorläufer. |    |    | Hauptphase. |    |    | Maxim. i. d. Hauptph. |             |    | Absolut. Maxim. |    |             | Ende. |              |    |    |
|--------------|---------|--------------|----|----|--------------|----|----|-------------|----|----|-----------------------|-------------|----|-----------------|----|-------------|-------|--------------|----|----|
|              |         | h.           | m. | s. | h.           | m. | s. | h.          | m. | s. | h.                    | Zeit.<br>m. | s. | Ampl.<br>mm.    | h. | Zeit.<br>m. | s.    | Ampl.<br>mm. | h. | m. |
| 14 $\bar{v}$ | E/p.    |              | 2  |    |              | 2  |    |             | 2  |    | 23                    | 55          | 23 | 2.0             |    |             |       |              | 0  | 35 |
|              | M/p.    |              | 2  |    |              | 2  |    |             | 2  |    |                       | 53          | 26 | 1.1             |    |             |       |              | "  |    |
|              | W/p.    |              | 2  |    |              | 2  |    |             | 2  |    |                       | 56          | 47 | 1.3             |    |             |       |              | "  |    |
| 15 $\bar{v}$ | E/p.    |              | 2  |    |              | —  |    | 4           | 33 | 22 | 4                     | 35          | 25 | 8.1             |    |             |       |              | 6  | 0  |
|              | M/p.    | 4            | 32 | 11 |              | —  |    |             | 33 | 25 |                       | 35          | 10 | 6.1             |    |             |       |              | "  |    |
|              | W/p.    |              | 32 | 11 |              | —  |    |             | 33 | 25 |                       | 34          | 52 | 11.3            |    |             |       |              | "  |    |
| 15 $\bar{v}$ | E/p.    |              | 2  |    |              | 2  |    | 16          | 28 | 6  | 16                    | 31          | 56 | 5.8             |    |             |       |              | 17 | 55 |
|              | M/p.    | 16           | 17 | 46 |              | 2  |    |             | 28 | 9  |                       | 29          | 29 | 6.0             |    |             |       |              | "  |    |
|              | W/p.    |              | 17 | 49 |              | 2  |    |             | 28 | 26 |                       | 33          | 2  | 4.9             |    |             |       |              | "  |    |
| 16 $\bar{v}$ | E/p.    |              | 2  |    |              | 2  |    | 6           | 22 | 40 | 6                     | 25          | 1  | 3.9             |    |             |       |              | 8  | 35 |
|              | M/p.    |              | 2  |    |              | 2  |    |             | 22 | 40 |                       | 24          | 34 | 2.8             |    |             |       |              | "  |    |
|              | W/p.    |              | 2  |    |              | 2  |    |             | 22 | 40 |                       | 25          | 1  | 5.1             |    |             |       |              | "  |    |

Dasjenige in der Hauptphase.

Dasjenige in der Hauptphase.

Am 16-ten um 23h. 3m. erfolgte ein Erdbeben in Nikolajewka  
 (10 = 29° 55'  $\lambda$  = 48° 30') Stärke IV.

|              |      |   |   |     |   |    |     |    |    |    |    |    |    |      |                             |   |  |      |    |    |
|--------------|------|---|---|-----|---|----|-----|----|----|----|----|----|----|------|-----------------------------|---|--|------|----|----|
| 18 $\bar{v}$ | E/p. |   | 2 |     | 9 | 17 | 10? | 9  | 26 | 10 | 9  | 34 | 40 | 16.0 | Dasjenige in der Hauptphase |   |  |      | 11 | 30 |
|              | M/p. |   | 2 |     |   | 17 | 10  |    | 26 | 10 |    | 38 | 43 | 8.8  |                             |   |  |      | "  |    |
|              | W/p. | 9 | 9 | 49? |   | 17 | 10  |    | 30 | 1  |    | 34 | 43 | 19.7 |                             |   |  |      | "  |    |
| 20 $\bar{v}$ | E/p. |   | 2 |     |   | 2  |     | 12 | 59 | 48 | 12 | 40 | 19 | 2.0  |                             | 2 |  | 41.0 | 13 | 95 |
|              | M/p. |   | 2 |     |   | 2  |     |    | 59 | 48 |    | 36 | 25 | 1.9  |                             | 2 |  | 41.0 | "  |    |
|              | W/p. |   | 2 |     |   | 2  |     |    | ?  |    |    | 33 | 49 | 2.0  |                             | 2 |  | 41.0 | "  |    |

mikroseismische Unruhe: am 17-ten von 5h. bis 17h.  
 " 19 " " 10h. " 13h.  
 " 20 " " 10h. " 12h.

P. Stelling.

| Datum.                                              | Pendel. | 1 Vorläufer. |    |    | 2 Vorläufer. |    |    | Hauptphase. |    |    | Maxim. i. d. Hauptph. |       |       | Absolut. Maxim. |                             |       | Ende. |    |      |      |    |   |
|-----------------------------------------------------|---------|--------------|----|----|--------------|----|----|-------------|----|----|-----------------------|-------|-------|-----------------|-----------------------------|-------|-------|----|------|------|----|---|
|                                                     |         | h.           | m. | s. | h.           | m. | s. | h.          | m. | s. | h.                    | Zeit. | Ampl. | h.              | Zeit.                       | Ampl. | h.    | m. |      |      |    |   |
|                                                     |         |              |    |    |              |    |    |             |    |    |                       |       |       |                 |                             |       |       |    |      |      |    |   |
| 21 $\bar{y}$                                        | Ep.     |              | 2  |    | 7            | 49 | 47 | 7           | 50 | 35 | 7                     | 51    | 11    | 26.1            | Dasjenige in der Hauptphase |       | 11    | —  |      |      |    |   |
|                                                     | Mo.     | 7            | 47 | 48 |              | 2  |    |             | 50 | 35 |                       | 51    | 47    | 29.8            |                             |       | "     |    |      |      |    |   |
|                                                     | Wp.     |              | 2  |    |              | 49 | 47 |             | 50 | 35 |                       | 51    | 14    | 24.5            |                             |       | "     |    |      |      |    |   |
| 21 $\bar{y}$                                        | Ep.     |              | 2  |    |              | 2  |    | 12          | 44 | 21 | 12                    | 45    | 12    | 2.7             | Dasjenige in der Hauptphase |       | 14    | 55 |      |      |    |   |
|                                                     | Mo.     |              | 2  |    |              | 2  |    |             | 44 | 21 |                       | 47    | 3     | 3.0             |                             |       | "     |    |      |      |    |   |
|                                                     | Wp.     |              | 2  |    |              | 2  |    |             | 44 | 21 |                       | 45    | 12    | 2.1             |                             |       | "     |    |      |      |    |   |
| 22 $\bar{y}$                                        | Ep.     | 6            | 35 | 40 | 6            | 45 | 7  | 6           | 59 | 15 | 7                     | 8     | 26    | 13.7            | Dasjenige in der Hauptphase | 6     | 45    | 37 | 18.2 | 9    | 55 |   |
|                                                     | Mo.     |              | 35 | 40 |              | 45 | 7  |             | 59 | 15 |                       | 7     | 54    | 9.3             |                             |       | 45    | 37 | 18.0 |      | "  |   |
|                                                     | Wp.     |              | 35 | 43 |              | 45 | 10 |             | 59 | 18 |                       | 8     | 26    | 13.0            |                             |       | 7     | 8  | 26   | 13.0 |    | " |
| nach Tiflis und Bulkovo Epizentrum 10 km von Japan. |         |              |    |    |              |    |    |             |    |    |                       |       |       |                 |                             |       |       |    |      |      |    |   |
| 23 $\bar{y}$                                        | Ep.     |              | 2  |    |              | 2  |    | 19          | 27 | 39 | 19                    | 36    | 38    | 3.7             | Dasjenige in der Hauptphase |       |       |    |      | 21   | —  |   |
|                                                     | Mo.     |              | 2  |    | 18           | 58 | 6  |             | 27 | 39 |                       | 35    | 7     | 3.0             |                             |       |       |    |      | "    |    |   |
|                                                     | Wp.     | 18           | 42 | 18 |              | 58 | 6  |             | 27 | 39 |                       | 48    | 9     | 5.0             |                             |       |       |    |      | "    |    |   |
| 23 $\bar{y}$                                        | Ep.     |              | 2  |    |              | 2  |    | 22          | 23 | 16 | 22                    | 25    | 13    | 2.0             | Dasjenige in der Hauptphase |       |       |    |      | 22   | 55 |   |
|                                                     | Mo.     |              | 2  |    |              | 2  |    |             | 23 | 16 |                       | 25    | 48    | 1.8             |                             |       |       |    |      | "    |    |   |
|                                                     | Wp.     |              | 2  |    |              | 2  |    |             | 23 | 16 |                       | 25    | 48    | 1.5             |                             |       |       |    |      | "    |    |   |
| 26 $\bar{y}$                                        | Ep.     |              | 2  |    | 8            | 17 | 12 | 8           | 17 | 30 | 8                     | 18    | 39    | 10.4            | Dasjenige in der Hauptphase |       |       |    |      | 9    | —  |   |
|                                                     | Mo.     |              | 2  |    |              | 17 | 12 |             | 17 | 30 |                       | 17    | 48    | 7.3             |                             |       |       |    |      | "    |    |   |
|                                                     | Wp.     |              | 2  |    |              | 17 | 12 |             | 17 | 30 |                       | 17    | 48    | 6.1             |                             |       |       |    |      | "    |    |   |
| 26 $\bar{y}$                                        | Ep.     |              | 2  |    |              | 2  |    | 13          | 21 | 9  | 13                    | 21    | 45    | 2.0             | Dasjenige in der Hauptphase |       |       |    |      | 14   | —  |   |
|                                                     | Mo.     |              | 2  |    |              | 2  |    |             | 21 | 7  |                       | 23    | 12    | 1.8             |                             |       |       |    |      | "    |    |   |
|                                                     | Wp.     |              | 2  |    |              | 2  |    |             | 21 | 15 |                       | 21    | 45    | 1.6             |                             |       |       |    |      | "    |    |   |
| 27 $\bar{y}$                                        | Ep.     |              | 2  |    |              | 2  |    |             | 2  |    | 12                    | 10    | 54    | 3.3             | Dasjenige in der Hauptphase |       |       |    |      | 2    |    |   |
|                                                     | Mo.     |              | 2  |    |              | 2  |    |             | 2  |    |                       | 16    | 23    | 3.8             |                             |       |       |    |      | 2    |    |   |
|                                                     | Wp.     |              | 2  |    |              | 2  |    |             | 2  |    |                       | 10    | 54    | 2.1             |                             |       |       |    |      | 2    |    |   |
| Mikroseismische Anzeichen:                          |         |              |    |    |              |    |    |             |    |    |                       |       |       |                 |                             |       |       |    |      |      |    |   |
| von 5h am 21-ten bis 12h. am 22-ten                 |         |              |    |    |              |    |    |             |    |    |                       |       |       |                 |                             |       |       |    |      |      |    |   |
| " 10h. " 23- " " 19h. " 23- "                       |         |              |    |    |              |    |    |             |    |    |                       |       |       |                 |                             |       |       |    |      |      |    |   |
| " 10h. " 24- " " 15h. " 24- "                       |         |              |    |    |              |    |    |             |    |    |                       |       |       |                 |                             |       |       |    |      |      |    |   |

Dasjenige in der Hauptphase

Mikroseismische Anzeichen:  
 vom 5h am 21-ten bis 12h. am 22-ten  
 " 10h. " 23- " " 19h. " 23- "  
 " 10h. " 24- " " 15h. " 24- "

P. Stelling.

19 10

Vom 28<sup>VI</sup> 5h. 9m. bis 4<sup>VI</sup> 5h. 16m.

| Datum.                                                                                         | Pendel. | 1 Vorläufer. |    |    | 2 Vorläufer. |    |    | Hauptphase. |    |    | Maxim. i. d. Hauptph. |              |                   | Absolut. Maxim. |                             |    | Ende. |     |    |    |
|------------------------------------------------------------------------------------------------|---------|--------------|----|----|--------------|----|----|-------------|----|----|-----------------------|--------------|-------------------|-----------------|-----------------------------|----|-------|-----|----|----|
|                                                                                                |         | h.           | m. | s. | h.           | m. | s. | h.          | m. | s. | Zeit.<br>h. m. s.     | Ampl.<br>mm. | Zeit.<br>h. m. s. | Ampl.<br>mm.    | h.                          | m. |       |     |    |    |
| 28 <sup>VI</sup>                                                                               | E/p.    | ?            |    |    | 6            | 39 | 53 | 6           | 52 | 44 | 7                     | 2            | 15                | 3.1             | ?                           | ?  | 2     |     |    |    |
|                                                                                                | M/p.    | ?            |    |    |              | ?  |    |             | 52 | 44 | 6                     | 57           | 52                | 2.1             | ?                           | ?  | ?     |     |    |    |
|                                                                                                | W/p.    | ?            |    |    |              | 39 | 53 |             | ?  |    |                       | 58           | 42                | 3.0             | 6                           | 40 | 32    | 4.0 | ?  |    |
| 30 <sup>VI</sup>                                                                               | E/p.    | ?            |    |    |              | ?  |    | 12          | 45 | 50 | 12                    | 57           | 17                | 5.1             | Dasjenige in der Hauptphase |    |       | ?   |    |    |
|                                                                                                | M/p.    | ?            |    |    |              | ?  |    |             | 45 | 50 |                       | 51           | 32                | 2.1             |                             |    |       | ?   |    |    |
|                                                                                                | W/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | 57           | 32                | 3.9             |                             |    |       | ?   |    |    |
| Unbestimmt ob seismischen Ursprungs.                                                           |         |              |    |    |              |    |    |             |    |    |                       |              |                   |                 |                             |    |       |     |    |    |
| 31 <sup>VI</sup>                                                                               | E/p.    | ?            |    |    |              | ?  |    |             | ?  |    | 6                     | 3            | 44                | 2.1             | 5                           | 38 | 0     | 5.0 | ?  |    |
|                                                                                                | M/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | 2            | 14                | 2.1             |                             | 32 | 23    | 2.7 | ?  |    |
|                                                                                                | W/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | ?            |                   | ?               |                             | 42 | 23    | 4.0 | ?  |    |
| 1 <sup>VI</sup>                                                                                | E/p.    | ?            |    |    | 6            | 18 | 7  | 6           | 58 | 44 | 7                     | 26           | 16                | 3.0             | 6                           | 33 | 11    | 4.1 | 10 | —  |
|                                                                                                | M/p.    | ?            |    |    |              | 18 | 7  |             | ?  |    |                       | 23           | 13                | 3.2             |                             | 20 | 28    | 7.4 | "  |    |
|                                                                                                | W/p.    | ?            |    |    |              | 18 | 7  |             | ?  |    |                       | 26           | 13                | 4.1             | 7                           | 26 | 13    | 7.1 | "  |    |
| 1 <sup>VI</sup>                                                                                | E/p.    | ?            |    |    |              | ?  |    |             | ?  |    | 15                    | 47           | 9                 | 2.0             | Dasjenige in der Hauptphase |    |       | 15  | 30 |    |
|                                                                                                | M/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | 47           | 9                 | 2.1             |                             |    |       | "   |    |    |
|                                                                                                | W/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | 47           | 9                 | 2.0             |                             |    |       | "   |    |    |
| 2 <sup>VI</sup>                                                                                | E/p.    | ?            |    |    |              | ?  |    |             | ?  |    | 15                    | 13           | 14                | 1.8             | Dasjenige in der Hauptphase |    |       | 16  | —  |    |
|                                                                                                | M/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | ?            |                   | <1.0            |                             |    |       | "   |    |    |
|                                                                                                | W/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | 26           | 40                | 1.9             |                             |    |       | "   |    |    |
| Unbestimmt ob seismischen Ursprungs.                                                           |         |              |    |    |              |    |    |             |    |    |                       |              |                   |                 |                             |    |       |     |    |    |
| 3 <sup>VI</sup>                                                                                | E/p.    | 4            | 32 | 27 |              | ?  |    |             | ?  |    |                       | ?            |                   | 2.0             | 4                           | 37 | 59    | 2.1 | 5  | 40 |
|                                                                                                | M/p.    |              | 32 | 15 | 4            | 39 | 50 |             | ?  |    |                       | ?            |                   | 2.0             |                             | 41 | 38    | 2.5 | "  |    |
|                                                                                                | W/p.    |              | ?  |    |              | 39 | 14 |             | ?  |    |                       | ?            |                   | 2.0             |                             | 47 | 35    | 2.2 | "  |    |
| 3 <sup>VI</sup>                                                                                | E/p.    | ?            |    |    |              | ?  |    |             | ?  |    | 23                    | 32           | 11                | 1.8             | Dasjenige in der Hauptphase |    |       | 0   | 25 |    |
|                                                                                                | M/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | 32           | 11                | 1.9             |                             |    |       | "   |    |    |
|                                                                                                | W/p.    | ?            |    |    |              | ?  |    |             | ?  |    |                       | ?            |                   | 2.0             |                             |    |       | "   |    |    |
| Mikroseismische Unruhe:<br>von 14h. am 27-ten bis 20h. am 29-ten<br>" 12h " 30 " " 16h. " 31 " |         |              |    |    |              |    |    |             |    |    |                       |              |                   |                 |                             |    |       |     |    |    |

Mikroseismische Unruhe:  
von 14h. am 27-ten bis 20h. am 29-ten  
" 12h. " 30 " " 16h. " 31 "

2 Stelling.

10

Vom 4. 5. 1945 m. bis

11 51 5 h. 2.3 m.

No 174

International  
Seismological  
Centre

| Datum.                                                                                                                                                                          | Pendel. | 1 Vorläufer. |    |    | 2 Vorläufer. |    |       | Hauptphase. |    |     | Maxim. i. d. Hauptph. |    |    | Absolut. Maxim. |                                   |    | Ende. |     |    |    |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----|----|--------------|----|-------|-------------|----|-----|-----------------------|----|----|-----------------|-----------------------------------|----|-------|-----|----|----|---|
|                                                                                                                                                                                 |         | h.           | m. | s. | h.           | m. | s.    | h.          | m. | s.  | h.                    | m. | s. | mm.             | h.                                | m. | s.    | mm. | h. | m. |   |
| 7 VI                                                                                                                                                                            | Ep.     |              |    | ?  |              |    | ?     | 2           | 13 | 17. | 2                     | 21 | 42 | 8.7             | Zarjenige<br>in der<br>Hauptphase |    |       |     |    | 5  | — |
|                                                                                                                                                                                 | Mp.     | 2            | 2  | 9  |              |    | ?     |             | 13 | 17. |                       | 20 | 42 | 8.1             |                                   |    |       |     |    | "  |   |
|                                                                                                                                                                                 | Wp.     |              |    | ?  |              |    | ?     |             | 13 | 17. |                       | 25 | 44 | 9.1             |                                   |    |       |     |    | "  |   |
| 9 VI                                                                                                                                                                            | Ep.     |              |    | ?  | 12           | 9  | 34.   | 12          | 27 | 48  | 12                    | 29 | 48 | 4.1             | 12                                | 29 | 48    | 4.1 | 15 | 20 |   |
|                                                                                                                                                                                 | Mp.     |              |    | ?  |              |    | 9 43  |             | 27 | 51? |                       | 36 | 51 | 2.2             |                                   | 14 | 44    | 2.8 |    | "  |   |
|                                                                                                                                                                                 | Wp.     |              |    | ?  |              |    | 9 43! |             | 27 | 51  |                       | 30 | 11 | 3.1             |                                   | 10 | 27    | 4.6 |    | "  |   |
| <p>Mikroseismische Unruhe:<br/>von 14 h. am 4-ten bis 16 h. am 4-ten<br/>" 14 h. " 5 " " 2 h. " 7 " mit Unterbrechungen<br/>" 21 h. " 9 " " 24 h. " 9 "</p> <p>G. Stelling.</p> |         |              |    |    |              |    |       |             |    |     |                       |    |    |                 |                                   |    |       |     |    |    |   |

19

10

Vom

11 VI 5 h. 32 m. bis

18 VI 5 h. 44 m.



No.

International  
Seismological  
Centre

175

| Datum. | Pendel. | 1 Vorläufer. |    |    | 2 Vorläufer. |    |    | Hauptphase. |    |    | Maxim. i. d. Hauptph. |    |    | Absolut. Maxim. |                             |    | Ende. |      |    |    |    |  |  |  |
|--------|---------|--------------|----|----|--------------|----|----|-------------|----|----|-----------------------|----|----|-----------------|-----------------------------|----|-------|------|----|----|----|--|--|--|
|        |         | h.           | m. | s. | h.           | m. | s. | h.          | m. | s. | h.                    | m. | s. | mm.             | h.                          | m. | s.    | mm.  | h. | m. |    |  |  |  |
| 12 VI  | Ep.     |              | 2  |    | 20           | 43 | 55 | 20          | 47 | 56 | 20                    | 48 | 41 | 6.0             | Dasjenige in der Hauptphase |    |       |      |    | 22 | 30 |  |  |  |
|        | Mp.     | 20           | 40 | 54 |              | 43 | 55 |             | 47 | 56 |                       | 51 | 24 | 5.1             |                             |    |       |      |    |    |    |  |  |  |
|        | Wp.     |              | 2  |    |              | 43 | 55 |             | 2  |    |                       | 52 | 12 | 7.1             |                             |    |       |      |    |    |    |  |  |  |
| 14 VI  | Ep.     |              | 2  |    | 20           | 0  | 46 |             | 2  |    | 20                    | 26 | 6  | 2.5             | 20                          | 2  | 3     | 4.0  | 22 | 30 |    |  |  |  |
|        | Mp.     |              | 2  |    |              | 2  |    |             | 2  |    |                       | 23 | 32 | 2.0             |                             | 6  | 7     | 5.0  |    | "  |    |  |  |  |
|        | Wp.     |              | 2  |    |              | 1  | 19 | 20          | 17 | 33 |                       | 27 | 39 | 3.0             |                             | 27 | 39    | 3.0  |    | "  |    |  |  |  |
| 16 VI  | Ep.     |              | 2  |    |              | 2  |    |             | 2  |    | 5                     | 1  | 59 | 5.0             | Dasjenige in der Hauptphase |    |       |      |    | 2  |    |  |  |  |
|        | Mp.     | 4            | 24 | 7  |              | 2  |    |             | 2  |    | 4                     | 45 | 22 | 5.0             |                             |    |       |      |    |    |    |  |  |  |
|        | Wp.     |              | 2  |    |              | 2  |    |             | 2  |    |                       | 53 | 55 | 4.8             |                             |    |       |      |    |    |    |  |  |  |
| 16 VI  | Ep.     |              | 2  |    | 6            | 52 | 20 |             | 2  |    | 7                     | 8  | 43 | 21.1            | 7                           | 8  | 43    | 21.1 | 12 | —  |    |  |  |  |
|        | Mp.     | 6            | 46 | 38 |              | 52 | 23 |             | 2  |    |                       | 2  |    | 2               | 6                           | 53 | 47    | 26.0 |    | "  |    |  |  |  |
|        | Wp.     |              | 46 | 38 |              | 52 | 14 |             | 2  |    |                       | 11 | 42 | 29.5            | 7                           | 11 | 42    | 29.5 |    | "  |    |  |  |  |
| 17 VI  | Ep.     | 5            | 38 | 43 | 5            | 47 | 38 | 6           | 6  | 26 | 6                     | 10 | 56 | 4.0             | 5                           | 50 | 18    | 5.5  | 8  | —  |    |  |  |  |
|        | Mp.     |              | 38 | 43 |              | 47 | 38 |             | 2  |    |                       | 12 | 38 | 2.3             |                             | 49 | 15    | 3.9  |    | "  |    |  |  |  |
|        | Wp.     |              | 38 | 43 |              | 47 | 38 |             | 2  |    |                       | 23 | 26 | 3.2             | 6                           | 0  | 48    | 4.0  |    | "  |    |  |  |  |
| 17 VI  | Ep.     | 17           | 2  | 17 | 17           | 12 | 35 | 17          | 35 | 24 | 17                    | 44 | 18 | 1.8             | 17                          | 13 | 39    | 3.7  | 19 | 40 |    |  |  |  |
|        | Mp.     |              | 2  | 17 |              | 12 | 35 |             | 2  |    |                       | 35 | 57 | 1.9             |                             | 19 | 41    | 3.3  |    | "  |    |  |  |  |
|        | Wp.     |              | 2  | 17 |              | 12 | 35 |             | 2  |    |                       | 36 | 3  | 2.2             |                             | 13 | 39    | 4.9  |    | "  |    |  |  |  |

Mikroseismische Unruhe am 11-ten von 16 h. bis 18 h.

P. Stelling.

10 Vom 18<sup>VI</sup> 5h. 57m. bis26<sup>VI</sup> 5h. 17m.

| Datum. | Pendel. | 1 Vorläufer. |    |     | 2 Vorläufer. |     |     | Hauptphase. |    |     | Maxim. i. d. Hauptph. |    |      | Absolut. Maxim. |                              |    | Ende. |     |     |       |
|--------|---------|--------------|----|-----|--------------|-----|-----|-------------|----|-----|-----------------------|----|------|-----------------|------------------------------|----|-------|-----|-----|-------|
|        |         | h.           | m. | s.  | h.           | m.  | s.  | h.          | m. | s.  | h.                    | m. | s.   | mm.             | h.                           | m. | s.    | mm. | h.  | m.    |
| 24 VI  | Ep.     |              |    | ?   | 13           | 39  | 39! |             |    | ?   | 13                    | 58 | 56   | 11.9            | Dasjenige in der Hauptphase. |    |       |     | 17  | 5     |
|        | Mp.     | 13           | 33 | 21! | 39           | 39! |     |             | ?  |     | 46                    | 35 | 10.0 |                 |                              |    |       |     | "   |       |
|        | Wp.     |              |    | ?   | 39           | 18! |     |             | ?  |     | 55                    | 30 | 16.0 |                 |                              |    |       |     | "   |       |
| 25 VI  | Ep.     | 19           | 22 | 46! | 19           | 24  | 28! | 19          | 25 | 10! | 19                    | 26 | 4    | 8.2?            | Dasjenige in der Hauptphase. |    |       |     |     | ?     |
|        | Mp.     |              | 22 | 46! |              |     | ?   |             | 25 | 22! |                       | 28 |      | 10.7?           |                              |    |       |     |     | ?     |
|        | Wp.     |              | 22 | 46  |              | 24  | 28! |             | 25 | 22! |                       | 26 | 22   | 7.100           |                              |    |       |     |     | ?     |
| 26 VI  | Ep.     |              |    | ?   |              |     | ?   |             |    | ?   |                       |    |      | ?               |                              | 21 | 24    | 1   | 1.8 |       |
|        | Mp.     |              |    | ?   |              |     | ?   |             |    | ?   |                       |    |      | ?               |                              |    | 24    | 49  | 1.7 |       |
|        | Wp.     |              |    | ?   |              |     | ?   |             |    | ?   |                       |    |      | ?               |                              |    | 25    | 19  | 1.9 |       |
| 26 VI  | Ep.     |              |    | ?   |              |     | ?   |             |    | ?   |                       |    |      | ?               |                              | 21 | 41    | 44  | 2.2 | 22 22 |
|        | Mp.     |              |    | ?   |              |     | ?   |             |    | ?   |                       |    |      | ?               |                              |    | 43    | 44  | 2.5 | "     |
|        | Wp.     |              |    | ?   |              |     | ?   |             |    | ?   |                       |    |      | ?               |                              |    | 42    | 44  | 2.1 | "     |

Dasjenige in der  
Hauptphase.

Mikroseismische Unruhe: von 2h am 19-ten bis 13h am 21-ten  
 " 13<sup>1/2</sup> " 21 " " 13<sup>3/4</sup> " 21 " (starker Ka  
 " 4 " 22 " " 18 h " 24 " sehr stark  
 P. Stellung. Amplit bis 11 mm

1910

Vom. 26 VI 5h. 25m. bis 3 VII 4h. 53m.

177 2

| Datum        | Gendel | 1. Vorläufer |          |          | 2. Vorläufer |          |                | Hauptphase |                |           | Maxim. i. d. Haupt. |           | Absolut. Maxim. |        | Orde |
|--------------|--------|--------------|----------|----------|--------------|----------|----------------|------------|----------------|-----------|---------------------|-----------|-----------------|--------|------|
|              |        | h. m. s.     | h. m. s. | h. m. s. | h. m. s.     | h. m. s. | Zeit. h. m. s. | Ampl. mm.  | Zeit. h. m. s. | Ampl. mm. | Zeit. h. m. s.      | Ampl. mm. |                 |        |      |
| 26 VI        | Ep.    | 2            |          |          | 2            |          |                | 16 48 29   | 2.0            |           |                     |           |                 |        |      |
|              | Mp.    | 2            |          |          | 2            |          |                | 55 49      | 1.3            |           |                     |           |                 |        |      |
|              | Wp.    | 2            |          |          | 2            |          |                | 47 5       | 1.8            |           |                     |           |                 |        |      |
| 26 VI        | Ep.    | 2            |          |          | 2            |          |                | 17 29 59   | 2.9            |           |                     |           |                 | 18 5   |      |
|              | Mp.    | 2            |          |          | 2            |          |                | 29 59      | 2.4            |           |                     |           |                 | "      |      |
|              | Wp.    | 2            |          |          | 2            |          |                | 29 59      | 2.8            |           |                     |           |                 | "      |      |
| 29 VI        | Ep.    | 2            |          |          | 2            |          |                | 6 0 53     | 1.1            |           |                     |           |                 |        |      |
|              | Mp.    | 2            |          |          | 2            |          |                | 0 56       | 1.5            |           |                     |           |                 |        |      |
|              | Wp.    | 2            |          |          | 2            |          |                | 1 51       | 1.1            |           |                     |           |                 |        |      |
| 29 VI        | Ep.    | 2            |          |          | 2            |          |                | 9 9 21     | 2.8            | 8 59 14   | 2.9                 |           |                 |        |      |
|              | Mp.    | 2            |          |          | 8 43 25      |          |                | 17 55      | 2.0            | 45 52     | 2.1                 |           |                 |        |      |
|              | Wp.    | 2            |          |          | 43 25        |          |                | 18 25      | 2.8            | 9 2 23    | 2.9                 |           |                 |        |      |
| 29 VI        | Ep.    | 2            |          |          | 2            |          |                | 11 50 20   | 3.2            | 11 43 50  | 4.1                 |           |                 |        |      |
|              | Mp.    | 2            |          |          | 2            |          |                | 18 42      | 3.0            | 16 26     | 6.0                 |           |                 |        |      |
|              | Wp.    | 2            |          |          | 11 5 53?     |          |                | 8 18       | 4.2            | 37 26     | 6.0                 |           |                 |        |      |
| 29 VI        | Ep.    | 2            |          |          | 14 37 26     |          |                | 15 39 22?  | 2              | 14 48 16  | 4.1                 |           |                 | 17. 30 |      |
|              | Mp.    | 2            |          |          | 37 29        |          |                | 2          | 19             | 48 19     | 3.5                 |           |                 | "      |      |
|              | Wp.    | 2            |          |          | 37 29        |          |                | 16 4 48    | 2.0            | 14 48 19  | 3.1                 |           |                 | "      |      |
| 29 VI        | Ep.    | 2            |          |          | 2            |          |                | 18 32 20   | 2.1            |           |                     |           |                 | 20 -   |      |
|              | Mp.    | 2            |          |          | 2            |          |                | 3 2 38     | 2.0            |           |                     |           |                 | "      |      |
|              | Wp.    | 2            |          |          | 2            |          |                | 3 2 39     | 3.0            |           |                     |           |                 | "      |      |
| 30 VI        | Ep.    | 3 6 21?      |          |          | 2            |          |                | 2          | 2              | 3 21 50   | 5.0                 |           |                 | 2      |      |
|              | Mp.    | 6 21?        |          |          | 2            |          |                | 3 46 11    | 1.9            | 24 44     | 3.9                 |           |                 | 2      |      |
|              | Wp.    | 6 21?        | 3 16 38  |          | 3 44 12?     |          |                | 49 41      | 2.1            | 21 50     | 6.0                 |           |                 | 2      |      |
| P. Stelling. |        |              |          |          |              |          |                |            |                |           |                     |           |                 |        |      |

P. Stelling.

1910

Vom 26 VI 5<sup>h</sup> 25<sup>m</sup>. bis 3 VII 4<sup>h</sup> 53<sup>m</sup>.

| Datum | Pendel | 1. Vorläufer | 2. Vorläufer | Hauptphase | Maxim. i. d. Haupt. |              | Absolut. Maxim.  |              | Ende |
|-------|--------|--------------|--------------|------------|---------------------|--------------|------------------|--------------|------|
|       |        | h. m. s      | h. m. s      | h. m. s    | Zeit,<br>h. m. s.   | Ampl.<br>mm. | Zeit,<br>h. m. s | Ampl.<br>mm. |      |

|              |     |   |           |          |          |      |                                   |      |       |
|--------------|-----|---|-----------|----------|----------|------|-----------------------------------|------|-------|
| 1 <u>VII</u> | Ep. | ? | ?         | 19 20 45 | 19 22 51 | 1.4  | Dasjenige<br>in der<br>Hauptphase |      | 20 —  |
|              | Mp. | ? | ?         | ?        | ?        | <1.0 |                                   |      | "     |
|              | Wp. | ? | ?         | 20 24    | 20 51    | 1.4  |                                   |      | "     |
| 2 <u>VII</u> | Ep. | ? | 16 39 15? | ?        | ?        | <1.0 | 16 43 48                          | 1.9  | 18 50 |
|              | Mp. | ? | ?         | ?        | ?        | <1.0 | ?                                 | <1.0 | "     |
|              | Wp. | ? | ?         | ?        | ?        | <1.0 | 46 19                             | 2.0  | "     |

Mikroseismische Unruhe:

Am 1-ten von 10h. bis 13<sup>h</sup>.

" 2 " " 6h. " 15

P. Stelling.

1910

Vom 3<sup>II</sup> 4<sup>h</sup>. 56<sup>m</sup>. bis 10<sup>VII</sup> 5<sup>h</sup>. 51<sup>m</sup>.

| Datum | Pendel | 1. Vorläufer |    |    | 2. Vorläufer |    |    | Hauptphase |    |    | Maxim. i. d. H.   |              | Absolut. Maxim.   |              | Ende |    |
|-------|--------|--------------|----|----|--------------|----|----|------------|----|----|-------------------|--------------|-------------------|--------------|------|----|
|       |        | h.           | m. | s. | h.           | m. | s. | h.         | m. | s. | Zeit.<br>h. m. s. | Ampl.<br>mm. | Zeit.<br>h. m. s. | Ampl.<br>mm. | h.   | m. |

|                  |     |    |    |   |    |    |    |   |     |     |    |    |     |     |                                |    |    |
|------------------|-----|----|----|---|----|----|----|---|-----|-----|----|----|-----|-----|--------------------------------|----|----|
| 5 <sup>VII</sup> | Ep. | ?  |    |   | ?  |    |    | ? |     |     | 19 | 6  | 0   | 3.0 | Dasjenige in der<br>Hauptphase | 19 | 55 |
|                  | Mp. | ?  |    |   | ?  |    |    | ? |     |     | 7  | 0  | 1.1 |     |                                | "  |    |
|                  | Wp. | ?  |    |   | ?  |    |    | ? |     |     | 5  | 36 | 2.8 |     |                                | "  |    |
| 6 <sup>VII</sup> | Ep. | 8  | 59 | 4 | ?  |    |    | 9 | 0   | 16! | 9  | 1  | 0   | 6.1 |                                | 10 | —  |
|                  | Mp. | 59 | 4  |   | 8  | 59 | 52 | ? |     |     | 1  | 0  | 6.0 |     |                                | "  |    |
|                  | Wp. | 59 | 4  |   | 59 | 52 |    | 0 | 16! |     | 1  | 0  | 6.9 |     |                                | "  |    |

Stark gespürt in Baku ( $\varphi = 40^{\circ}21'$ ,  $\lambda = 49^{\circ}51'$ ) und auf der  
 ganzen Apsheronhalbinsel.

|                  |     |   |    |     |   |    |   |   |    |    |    |      |     |     |    |    |     |     |    |    |
|------------------|-----|---|----|-----|---|----|---|---|----|----|----|------|-----|-----|----|----|-----|-----|----|----|
| Papierwechsel    |     |   |    |     |   |    |   |   |    | 5  | 40 | 31   | 1.3 | 2   | 2  | 2  | 2   |     |    |    |
|                  |     |   |    |     |   |    |   |   |    | 2  |    | <1.0 | 2   |     | 2  |    | 2   |     |    |    |
|                  |     |   |    |     |   |    |   |   |    | 46 | 1  | 1.8  | 2   |     | 2  |    | 2   |     |    |    |
| 7 <sup>VII</sup> | Ep. | 8 | 28 | 37? | 8 | 39 | 6 | 8 | 59 | 25 | 9  | 7    | 32  | 4.0 | 8  | 47 | 2   | 7.9 | 12 | 30 |
|                  | Mp. |   | 28 | 37? |   | 39 | 6 |   | 2  |    | 9  | 2    | 2.2 |     | 54 | 32 | 5.9 |     | "  |    |
|                  | Wp. |   | 28 | 37? |   | 39 | 6 |   | 2  |    | 17 | 33   | 3.1 |     | 43 | 24 | 7.1 |     | "  |    |

Mikroseismische Unruhe;  
 am 5-ten von 9h. bis 13h  
 " 8 " " 0h. " 17h  
 " 9 " " 6h " 16h.

P. Stalling

19<sub>10</sub>Vom 10<sup>VI</sup> 6h. 6<sup>m</sup> bis 17<sup>VI</sup> 5h. 8<sup>m</sup>.

| Datum.                               | Pendel. | 1 Vorläufer. |    |     | 2 Vorläufer. |    |     | Hauptphase. |    |     | Maxim. i. d. Hauptph. |    |      | Absolut. Maxim. |                              |    |      | Ende.        |    |    |
|--------------------------------------|---------|--------------|----|-----|--------------|----|-----|-------------|----|-----|-----------------------|----|------|-----------------|------------------------------|----|------|--------------|----|----|
|                                      |         | h.           | m. | s.  | h.           | m. | s.  | h.          | m. | s.  | Zeit.                 |    |      | Ampl.<br>mm.    | Zeit.                        |    |      | Ampl.<br>mm. | h. | m. |
|                                      |         |              |    |     |              |    |     |             |    |     | h.                    | m. | s.   |                 | h.                           | m. | s.   |              |    |    |
| 10 VII                               | Ep.     | 2            |    |     | 15           | 28 | 46? | 2           |    |     | 16                    | 11 | 52   | 1.8             | 15                           | 32 | 47   | 2.0          | 17 | —  |
|                                      | Mp.     | 2            |    |     |              | 28 | 46? | 2           |    |     |                       | 2  | <1.0 |                 |                              | 32 | 47   | 1.7          | "  |    |
|                                      | Wp.     | 2            |    |     |              | 2  |     | 2           |    |     |                       | 2  | <1.0 |                 |                              | 2  | <1.0 |              | "  |    |
| 10 VII                               | Ep.     | 2            |    |     |              | 2  |     | 19          | 32 | 7   | 19                    | 32 | 43   | 1.7             | Dasjenige in der Hauptphase. |    |      |              | 20 | —  |
|                                      | Mp.     | 2            |    |     |              | 2  |     | 32          | 7  |     |                       | 32 | 43   | 1.1             |                              |    |      |              | "  |    |
|                                      | Wp.     | 2            |    |     |              | 2  |     | 2           |    |     | 2                     |    | <1.0 |                 |                              |    |      |              | "  |    |
| 12 VII                               | Ep.     | 7            | 41 | 46  | —            |    |     | 7           | 46 | 7!  | 7                     | 50 | 6    | 12.5            |                              |    |      |              | 9  | 10 |
|                                      | Mp.     |              | 41 | 46! | —            |    |     |             | 46 | 33! |                       | 50 | 6    | 17.0            |                              |    |      |              | "  |    |
|                                      | Wp.     |              | 41 | 46  | —            |    |     |             | 46 | 12! |                       | 49 | 36   | 14.1            |                              |    |      |              | "  |    |
| 12 VII                               | Ep.     | 2            |    |     |              | 2  |     | 16          | 55 | 42  | 16                    | 56 | 18   | 2.1             |                              |    |      | 2            |    |    |
|                                      | Mp.     | 2            |    |     |              | 2  |     |             | 56 | 6   |                       | 57 | 14   | 2.0             |                              |    |      | 2            |    |    |
|                                      | Wp.     | 2            |    |     |              | 2  |     |             | 56 | 6   |                       | 56 | 18   | 1.9             |                              |    |      | 2            |    |    |
| 13 VII                               | Ep.     | 2            |    |     |              | 2  |     |             | 2  |     | 22                    | 21 | 37   | 2.8             | 21                           | 36 | 46   | 4.0          | 2  |    |
|                                      | Mp.     | 2            |    |     |              | 2  |     | 22          | 13 | 28? |                       | 13 | 28   | 1.2             |                              | 33 | 43   | 3.2          | 2  |    |
|                                      | Wp.     | 2            |    |     |              | 2  |     |             | 2  |     |                       | 36 | 15   | 2.0             |                              | 55 | 20   | 3.1          | 2  |    |
| 15 VII                               | Ep.     | 2            |    |     |              | 2  |     |             | 2  |     |                       | 2  |      | 2               |                              | 2  |      | 2            | 2  |    |
|                                      | Mp.     | 2            |    |     |              | 2  |     | 13          | 17 | 26  |                       | 2  |      | 2               |                              | 2  |      | 2            | 2  |    |
|                                      | Wp.     | 2            |    |     |              | 2  |     |             | 2  |     |                       | 2  |      | 2               |                              | 2  |      | 2            | 2  |    |
| 15 VII                               | Ep.     | 2            |    |     |              | —  |     | 18          | 49 | 22! | 18                    | 49 | 58   | 2.1             | Dasjenige in der Hauptphase  |    |      |              | 20 | 10 |
|                                      | Mp.     | 2            |    |     |              | —  |     | 49          | 13 |     |                       | 52 | 23   | 1.3             |                              |    |      |              | "  |    |
|                                      | Wp.     | 2            |    |     |              | —  |     | 49          | 13 |     |                       | 49 | 58   | 2.6             |                              |    |      |              | "  |    |
| Mikroseismische Unruhe:              |         |              |    |     |              |    |     |             |    |     |                       |    |      |                 |                              |    |      |              |    |    |
| von 17h. am 11-ten bis 9h. am 12-ten |         |              |    |     |              |    |     |             |    |     |                       |    |      |                 |                              |    |      |              |    |    |
| " 16h. " 12 " " 21h " 15 "           |         |              |    |     |              |    |     |             |    |     |                       |    |      |                 |                              |    |      |              |    |    |
| " 14h " 16 " dauert an.              |         |              |    |     |              |    |     |             |    |     |                       |    |      |                 |                              |    |      |              |    |    |

Mikroseismische

Unruhe:

von 17h. am 11-ten bis 9h. am 12-ten

" 16h. " 12 " " 21h " 15 "

" 14h " 16 " dauert an.

P. Stelling

1910

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0 Vom *Tiflis* 17 VII 5h. 14m. bis 24 VII 5h. 6m. No 180

| Datum.        | Pendel. | Phase.       | Zeit. |    |    | Amplitude. | Anmerkungen.                                                                                                |
|---------------|---------|--------------|-------|----|----|------------|-------------------------------------------------------------------------------------------------------------|
|               |         |              | h.    | m. | s. |            |                                                                                                             |
| 20 <u>VII</u> | Wp.     | M.           | 4     | 11 | 19 | 2.3        |                                                                                                             |
| 21 <u>VII</u> | E/p.    | M.           | 7     | 49 | 19 | 2.5        | Fernbeben                                                                                                   |
|               | E/p.    | LW           | 8     | 1  | 23 |            |                                                                                                             |
|               | Wp.     | M            | 28    | 10 |    | 2.6        |                                                                                                             |
|               |         | E            | 9     | 55 |    |            |                                                                                                             |
| 21 <u>VII</u> | E/p.    | $\gamma_2^2$ | 22    | 18 | 47 |            | Mikroseismische Unruhe:<br>von 14h. am 16-ten bis 21h. am<br>19-ten<br>von 17h am 21 " " 23 h. "<br>24-ten. |
|               | "       | LW           | 31    | 11 |    |            |                                                                                                             |
|               | "       | M            | 41    | 4  |    | 17.1       |                                                                                                             |

P. Stelling.

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# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S  
 Mp. = „ „ „ „ N.  
 Wp. = „ „ „ „ E. 30°S.  
 BN. = „ Bosch „ N.  
 BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0 Vom 24 VII 5<sup>h</sup>. 9<sup>m</sup>. bis 31 VII 5<sup>h</sup>. 15<sup>m</sup>. No 18

| Datum. | Pendel. | Phase.     | Zeit. |    |     | Amplitude. | Anmerkungen.                                                        |
|--------|---------|------------|-------|----|-----|------------|---------------------------------------------------------------------|
|        |         |            | h.    | m. | s.  |            |                                                                     |
| 24     | Wp.     | M          | 15    | 48 | 22  | 2.7        | Fernbeben.                                                          |
| 27     | Mp.     | LW         | 14    | 53 | 48  |            | Nahbeben                                                            |
|        | M       |            | 55    | 45 |     | 6.1        |                                                                     |
| 29     | Wp.     | $\gamma_1$ | 10    | 36 | 32  |            | Mikroseismische Unruhe:<br>von 11h. am 26-ten bis 0h. am<br>27-ten. |
|        |         | $\gamma_2$ |       | 44 | 41! |            |                                                                     |
|        |         | M          | 11    | 2  | 39  | 4.3        |                                                                     |
|        |         | LW         |       | 23 | 41  |            |                                                                     |
|        |         | M          |       | 26 | 46  | 3.0        |                                                                     |
|        |         | E          | 14    | —  |     |            |                                                                     |
| 31     | Wp.     | $\gamma_1$ | 1     | 44 | 35  |            | G. Stelling.                                                        |
|        |         | LW         |       | 51 | 8   |            |                                                                     |
|        | Ep.     | M          |       | 51 | 38  | 3.1        |                                                                     |
|        |         | E          | 3     | 20 |     |            |                                                                     |

Nachtrag zu N<sup>o</sup> 179. Am 15<sup>ten</sup> erfolgten um 18<sup>h</sup> 34<sup>m</sup> einige locale Erdstöße in Tauris ( $\varphi = 38^\circ 2'$ ,  $\lambda = 46^\circ 22'$ ); Dauer 7 Sec. Stärke III.

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# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. =Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0

Vom 31 VII 5h. 21<sup>m</sup> bis 7 VIII 5h. 20 m.

No 18

| Datum.                                                               | Pendel. | Phase.                           | Zeit. |    |    | Amplitude. | Anmerkungen.                  |
|----------------------------------------------------------------------|---------|----------------------------------|-------|----|----|------------|-------------------------------|
|                                                                      |         |                                  | h.    | m. | s. |            |                               |
| 31 <u>VII</u>                                                        | Ep.     | M                                | 7     | 0  | 33 | 1.9        | Vielleicht nicht seismisch u. |
| 1 <u>VIII</u>                                                        | Wp.     | V <sub>1</sub><br>L.W.           | 10    | 45 | 7  |            |                               |
|                                                                      |         |                                  |       | 48 | 43 |            |                               |
|                                                                      |         |                                  |       | 50 | 34 |            |                               |
|                                                                      |         | M.                               |       | 56 | 10 | 11.3       |                               |
| 1 <u>VIII</u>                                                        | Ep.     | L.W.                             | 22    | 24 | 6  |            |                               |
|                                                                      | Wp.     | M                                |       | 30 | 17 | 4.9        |                               |
| 2 <u>VIII</u>                                                        | Wp.     | V <sub>1</sub><br>V <sub>2</sub> | 2     | 38 | 24 |            |                               |
|                                                                      |         |                                  |       | 42 | 1  |            |                               |
|                                                                      | Ep.     | L.W.                             |       | 46 | 30 |            |                               |
|                                                                      | Wp.     | M                                |       | 46 | 45 | 6.9        |                               |
| 2 <u>VIII</u>                                                        | Ep.     | M                                | 7     | 22 | 29 | 1.9        | Fernbeben                     |
| 3 <u>VIII</u>                                                        | Mp.     | M                                | 12    | 34 | 54 | 2.8        |                               |
| 3 <u>VIII</u>                                                        | Ep.     | L.W.                             | 23    | 54 | 3  |            | Nahbeben                      |
|                                                                      |         | M                                |       | 55 | 5  | 2.9        |                               |
| 4 <u>VIII</u>                                                        | Mp.     | L.W.                             | 10    | 56 | 26 |            | Nahbeben                      |
|                                                                      |         | M                                |       | 58 | 7  | 2.0        |                               |
| 5 <u>VIII</u>                                                        | Ep.     | L.W.                             | 2     | 30 | 46 |            | Fernbeben                     |
|                                                                      | Wp.     | M                                |       | 31 | 46 | 3.9        |                               |
| Mikroseismische Unruhe von 4h. am 3-ten bis 9h. am 4-ten <u>VIII</u> |         |                                  |       |    |    |            |                               |
| " " " 17h " 4 " " 17 " 6 " "                                         |         |                                  |       |    |    |            |                               |

P. Stelling -

1910

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

|       |        |               |      |          |
|-------|--------|---------------|------|----------|
| Ep. = | Pendel | Rebeur-Ehlert | nach | W. 30°S  |
| Mp. = | „      | „             | „    | N.       |
| Wp. = | „      | „             | „    | E. 30°S. |
| BN. = | „      | Bosch         | „    | N.       |
| BE. = | „      | „             | „    | E.       |

! bedeutet einen plötzlichen Einsatz.

191 0

Vom

7 VIII 5h. 20m.

bis

14 VIII 5h. 15m.

No

18

| Datum. | Pendel. | Phase.                         | Zeit. |    |    | Amplitude. | Anmerkungen.                                                    |
|--------|---------|--------------------------------|-------|----|----|------------|-----------------------------------------------------------------|
|        |         |                                | h.    | m. | s. |            |                                                                 |
| 7      | Mp.     | V <sub>1</sub><br>LW<br>M<br>E | 20    | 52 | 23 | 5.1        |                                                                 |
|        |         |                                |       | 55 | 20 |            |                                                                 |
|        |         |                                | 21    | 0  | 22 |            |                                                                 |
|        |         |                                | 22    | —  |    |            |                                                                 |
| 8      | Ep.     | LW<br>M.                       | 13    | 24 | 16 | 2.1        | Nahbeben                                                        |
|        |         |                                |       | 25 | 46 |            |                                                                 |
| 11     | Ep.     | M<br>LW<br>E                   | 17    | 5  | 9  | 2.9        | Fernbeben                                                       |
|        |         |                                | 18    | 36 | 23 |            |                                                                 |
|        |         |                                |       | 25 |    |            |                                                                 |
| 12     | Mp.     | LW<br>M<br>E                   | 9     | 17 | 16 | 5.1        | Nahbeben                                                        |
|        |         |                                |       | 19 | 16 |            |                                                                 |
|        |         |                                | 10    | 30 |    |            |                                                                 |
| 12.    | Mp.     | V <sub>1</sub><br>LW           | 19    | 0  | 53 | 7.4        | Mikroseismische Unruhe:<br>20h 12h. am 9-ten bis 18h. am 11-ten |
|        |         |                                |       | 12 | 45 |            |                                                                 |
|        | Ep.     | M                              |       | 17 | 21 |            |                                                                 |
|        |         |                                |       |    |    |            | " 23 " 12 " 2 " 14                                              |

P. Stelling.

1910

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

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Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0 Vom 14 VIII 5h. 22 m. bis 21 VIII 5h. 2 m. No 18

| Datum. | Pendel.    | Phase.                                        | Zeit. |    |      | Amplitude. | Anmerkungen.                                                                                              |
|--------|------------|-----------------------------------------------|-------|----|------|------------|-----------------------------------------------------------------------------------------------------------|
|        |            |                                               | h.    | m. | s.   |            |                                                                                                           |
| 14     | Mp.<br>Wp. | L.W.<br>M<br>E                                | 8     | 16 | 46   | 2.8        | Fernbeben                                                                                                 |
|        |            |                                               | 10    | 15 | 46   |            |                                                                                                           |
| 14     | Mp.        | L.W.<br>E                                     | 16    | 0  | 50 ? |            |                                                                                                           |
|        |            |                                               | 17    | —  |      |            |                                                                                                           |
| 17     | Ep.        | V <sub>1</sub><br>V <sub>2</sub><br>L.W.<br>M | 12    | 6  | 22.1 | 33.1       |                                                                                                           |
|        |            |                                               |       | 10 | 48.1 |            |                                                                                                           |
|        |            |                                               |       | 17 | 36.1 |            |                                                                                                           |
|        |            |                                               |       | 18 | 48   |            |                                                                                                           |
| 17     | Ep.        | M                                             | 23    | 26 | 20   | 3.0        | Fernbeben                                                                                                 |
| 18     | Ep.        | M                                             | 8     | 59 | 56   | 2.1        | Fernbeben                                                                                                 |
| 18     | Ep.        | V <sub>1</sub><br>V <sub>2</sub><br>L.W.<br>M | 19    | 4  | 57 ? | 26.0       | Mikroseismische Unruhe<br>von 5h. am 15-ten bis 1h. a<br>18-ten<br>von 13 h. am 20-ten bis 4<br>am 22-ten |
|        |            |                                               |       | 5  | 57.1 |            |                                                                                                           |
|        |            |                                               |       | 6  | 26.1 |            |                                                                                                           |
|        |            |                                               |       | 6  | 53   |            |                                                                                                           |
| 19     | Ep.        | V <sub>1</sub><br>V <sub>2</sub><br>L.W.<br>M | 3     | 20 | 47 ? | 15.1       | Auffallende Ähnlichkeit der<br>Registrierungen.                                                           |
|        |            |                                               |       | 21 | 47.1 |            |                                                                                                           |
|        |            |                                               |       | 22 | 17.1 |            |                                                                                                           |
|        |            |                                               |       | 22 | 44   |            |                                                                                                           |
| 19     | Wp.<br>Ep. | V <sub>1</sub><br>V <sub>2</sub><br>L.W.<br>M | 14    | 23 | 46.2 | 8.0        |                                                                                                           |
|        |            |                                               |       | 24 | 46.1 |            |                                                                                                           |
|        |            |                                               |       | 25 | 16.1 |            |                                                                                                           |
|        |            |                                               |       | 25 | 2.2  |            |                                                                                                           |

P. Stelling

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# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. ==Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0 Vom 21 VIII 5h. 5m. bis 28 VIII 5h. 24m.

No 18

| Datum. | Pendel. | Phase.                                           | Zeit. |    |     | Amplitude. | Anmerkungen. |
|--------|---------|--------------------------------------------------|-------|----|-----|------------|--------------|
|        |         |                                                  | h.    | m. | s.  |            |              |
| 21     | Wp.     | LW(?)<br>M                                       | 9     | 16 | 50! | 17.0       |              |
| 21     | Ep.     | V <sub>1</sub><br>V <sub>2</sub><br>LW<br>M      | 16    | 14 | 28? | 8.1        |              |
|        |         |                                                  |       | 18 | 51! |            |              |
|        |         |                                                  |       | 22 | 52  |            |              |
|        |         |                                                  |       | 24 | 40  |            |              |
| 23     | Ep.     | LW<br>M                                          | 7     | 46 | 29  | 1.8        |              |
|        |         |                                                  |       | 47 | 17  |            |              |
| 25     | Ep.     | LW<br>M<br>E                                     | 1     | 53 | 17  | 3.4        |              |
|        |         |                                                  |       | 56 | 16  |            |              |
|        |         |                                                  | 3     | —  | —   |            |              |
| 25     | Ep.     | V <sub>1</sub><br>V <sub>2</sub><br>LW<br>M<br>E | 23    | 20 | 51  | 5.0        |              |
|        |         |                                                  |       | 22 | 21? |            |              |
|        |         |                                                  |       | 24 | 8!  |            |              |
|        |         |                                                  |       | 27 | 19  |            |              |
|        |         |                                                  | 24    | 15 | —   |            |              |
| 26     | Wp.     | LW<br>M<br>E                                     | 1     | 59 | 4?  | 1.2        |              |
|        |         |                                                  | 2     | 0  | 28  |            |              |
|        |         |                                                  | 2     | 55 | —   |            |              |

P. Stelling.

191

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

1910

Vom 21 VIII 5h. 5m. bis 28 VIII 5h. 24m.

| Datum. | Pendel.    | Phase.                     | Zeit. |                |                | Amplitude. | Anmerkungen.                   |
|--------|------------|----------------------------|-------|----------------|----------------|------------|--------------------------------|
|        |            |                            | h.    | m.             | s.             |            |                                |
| 26     | Ep.        | M                          | 7     | 47             | 19             | 2.9        | Sehr ähnliche Registrierungen. |
| 26     | Wp.        | M                          | 9     | 28             | 8              | 3.3        |                                |
| 26     | Wp.        | M                          | 11    | 51             | 31             | 4.9        |                                |
| 26     | Ep.<br>Wp. | V <sub>2</sub><br>L-W<br>M | 16    | 12<br>23<br>25 | 17<br>13<br>51 | 12.0       |                                |
| 26     | Wp.        | L-W<br>M                   | 19    | 23<br>29       | 59<br>3        | 4.0        | Ebenfalls                      |
| 27     | Ep.        | L-W                        | 4     | 33             | 6              | 8.0        |                                |
| 27     | Wp.        | M                          | 7     | 26             | 16             | 2.2        | Ebenfalls                      |
| 27     | Wp.        | M                          | 15    | 11             | 55             | 2.0        |                                |
| 27     | Wp.        | L-W<br>M                   | 17    | 12             | 4              | 2.0        |                                |
| 27     | Wp.        | E                          | 17    | 5              |                |            |                                |
| 28     | Wp.        | M                          | 3     | 3              | 2              | 2.0        |                                |
| 28     | Wp.        | E                          | 4     | —              |                |            |                                |

Mikroseismische Unruhe:  
 von 13<sup>h</sup> am 20-ten bis 17<sup>h</sup> am 22-ten  
 „ 5<sup>h</sup> „ 26 „ „ 17<sup>h</sup> „ 27 „

P. Stelling. —

1910

# Wöchentliche Erdbebenberichte

des

## Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.  
Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S.  
Mp. = „ „ „ „ N.  
Wp. = „ „ „ „ E. 30°S.  
BN. = „ Bosch „ N.  
BE. = „ „ „ E.  
! bedeutet einen plötzlichen Einsatz.

P. Stelling. —

1910

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0

Vom 4 IX 5 h. 10<sup>m</sup>. bis

11 IX 6 h. 9<sup>m</sup>.

18

| Datum.      | Pendel. | Phase.         | Zeit. |    |                 | Amplitude. | Anmerkungen. |
|-------------|---------|----------------|-------|----|-----------------|------------|--------------|
|             |         |                | h.    | m. | s.              |            |              |
| 6 <u>IX</u> | Mp.     | L.W.           | 1     | 9  | 36 <sup>?</sup> |            |              |
|             | Ep.     | M <sub>1</sub> |       | 10 | 11              | 2.0        |              |
|             |         | E              | 2     |    |                 |            |              |
| 6 <u>IX</u> | Wp.     | V <sub>1</sub> | 20    | 23 | 45              |            |              |
|             |         | V <sub>2</sub> |       | 34 | 8               |            |              |
|             |         | M <sub>1</sub> |       | 40 | 35              | 4.1        |              |
|             |         | L.W.           | 21    | 12 | 7 <sup>?</sup>  |            |              |
|             |         | M <sub>2</sub> |       | 17 | 0               | 3.1        |              |
|             |         | E              | 23    |    |                 |            |              |
| 7 <u>IX</u> | Mp.     | M <sub>1</sub> | 7     | 36 | 35              | 7.8        | Fernbeben    |
|             | Wp.     | L.W.           | 8     | 10 | 22 <sup>?</sup> |            |              |
|             |         | M <sub>2</sub> |       | 16 | 43              | 4.1        |              |
| 7 <u>IX</u> | Mp.     | V <sub>2</sub> | 10    | 54 | 25 <sup>?</sup> |            | Fernbeben    |
|             | Wp.     | M <sub>1</sub> | 11    | 1  | 5               | 4.8        |              |
|             | Ep.     | M <sub>2</sub> | 11    | 23 | 29              | 2.9        |              |
| 8 <u>IX</u> | Wp.     | V <sub>1</sub> | 2     | 59 | 31 <sup>?</sup> |            |              |
|             |         | V <sub>2</sub> | 3     | 3  | 30              |            |              |
|             |         | M <sub>2</sub> |       | 45 | 58              | 4.6        |              |
| 8 <u>IX</u> | Wp.     | M <sub>1</sub> | 6     | 5  | 28              | 1.7        |              |
|             |         | L.W.           |       | 48 | 36              |            |              |

P. Stellung: —

1910

# Wöchentliche Erdbebenberichte

des

## Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

191 0. Vom 4 IX 5<sup>h. 10<sup>m</sup></sup> bis 11 IX 6<sup>h. 9<sup>m</sup></sup> No 18

| Datum.       | Pendel. | Phase.         | Zeit. |                 |    | Amplitude. | Anmerkungen.             |
|--------------|---------|----------------|-------|-----------------|----|------------|--------------------------|
|              |         |                | h.    | m.              | s. |            |                          |
| 9 <u>IX</u>  | Wp.     | V <sub>1</sub> | 1     | 25              | 37 | !          |                          |
|              |         | V <sub>2</sub> |       | 29              | 4  | 2          |                          |
|              |         | L.W.           |       | 52              | 56 | 2          |                          |
|              |         | M              | 2     | 6               | 30 | 34.0       |                          |
|              |         | E              | 5     | 15              |    |            |                          |
| 9 <u>IX</u>  | Ep.     | M              | 7     | 31              | 17 | 1.1        | Vielleicht kein Erdbeben |
| 9 <u>IX</u>  | Wp.     | V <sub>2</sub> | 9     | 30              | 36 |            | Fernbeben                |
|              |         | M <sub>1</sub> |       | 51              | 35 | 3.0        |                          |
|              |         | E              | 12    | —               |    |            |                          |
| 10 <u>IX</u> | Mp.     | V <sub>1</sub> | 12    | 47              | 4  |            |                          |
|              |         | V <sub>2</sub> |       | 57              | 34 |            |                          |
|              |         | M <sub>1</sub> |       | 58              | 43 | 5.1        |                          |
|              |         | L.W.           | 13    | 27              | 32 |            |                          |
|              |         | E              | 15    | 10 <sup>m</sup> |    |            |                          |

Mikroseismische Unruhe!

Von 13 h. am 6 IX bis 21 h. am 6 IX

P. Stelling. —

1910

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. = Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = „ „ „ „ N.

Wp. = „ „ „ „ E. 30°S.

BN. = „ Bosch „ N.

BE. = „ „ „ E.

! bedeutet einen plötzlichen Einsatz.

1910. Vom 11 IX 6h. 11m. bis 18 IX 4h. 56m.

| Datum.      | Pendel. | Phase.         | Zeit. |    |    | Amplitude. | Anmerkungen. |
|-------------|---------|----------------|-------|----|----|------------|--------------|
|             |         |                | h.    | m. | s. |            |              |
| 12 IX       | Wp.     | L.W.           | 16    | 34 | 25 |            |              |
|             |         | M              |       | 52 | 21 | 5.0        |              |
| 12 IX       | Ep.     | L.W.           | 18    | 16 | 48 |            |              |
|             |         | M              |       | 17 | 15 | 2.1        |              |
|             |         | E              |       | 19 | 20 |            |              |
| 12 IX       | Mp.     | V <sub>1</sub> | 20    | 41 | 20 |            |              |
|             |         | L.W.           |       | 41 | 32 |            |              |
|             |         | M              |       | 42 | 2  | 3.0        |              |
|             |         | E              | 21    | 30 |    |            |              |
| 16 IX<br>17 | Ep.     | V <sub>1</sub> | 23    | 17 | 40 |            |              |
|             |         | V <sub>2</sub> |       | 26 | 27 |            |              |
|             |         | M              |       | 33 | 14 | 8.0        |              |
|             |         | E              | 1     | 35 |    |            |              |

Am 13 IX war das Registriepapier von 12h. bis 18h. stecken geblieben.

P. Stelling.

1911.

# Wöchentliche Erdbebenberichte

des

Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr

Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=0h.

Ep. =Pendel Rebeur-Ehlert nach W. 30°S.

Mp. = " " " " N.

Wp. = " " " " E 30°S.

BN. = " Bosch " N.

BE. = " " " E.

! bedeutet einen plötzlichen Einsatz.

1911

Vom 20 XI 5h. 18<sup>m</sup> bis 27 XI 5h. 14<sup>m</sup>.

| Datum.        | Pendel. | Phase.                                                    | Zeit.            |                     |                      | Amplitude.          | Anmerkungen. |
|---------------|---------|-----------------------------------------------------------|------------------|---------------------|----------------------|---------------------|--------------|
|               |         |                                                           | h.               | m.                  | s.                   |                     |              |
| 21/ <u>XI</u> | Wp.     | V <sub>1</sub><br>M <sub>1</sub><br>L.W<br>M <sub>2</sub> | 7                | 15<br>16<br>47<br>? | 41<br>32<br>8        | 1.6<br><br><br><1.0 | Fernbeben    |
| 23/ <u>XI</u> | Ep.     | L.W<br>M<br>E                                             | 16<br><br>16     | 2<br>5<br>50        | 57<br>52             | 3.0                 | Nahbeben     |
| 24/ <u>XI</u> | Ep.     | L.W<br>M<br>E                                             | 3<br><br>3       | 10<br>10<br>35      | 6<br>33              | 1.2                 | Nahbeben     |
| 24/ <u>XI</u> | Ep.     | V <sub>1</sub>                                            | 15               | 48                  | 56 ?                 |                     |              |
|               | Wp.     | V <sub>2</sub><br>M <sub>1</sub><br>E                     | <br>16<br>17     | 57<br>0<br>30       | 28<br>7              | 3.1                 |              |
| 25/ <u>XI</u> | Mp.     | M <sub>1</sub><br>L.W<br>M <sub>2</sub><br>E              | 19<br>20<br>21   | 37<br>15<br>—       | 52<br>23 ?           | 1.8<br><br><1.0     |              |
| 26/ <u>XI</u> | Mp.     | V <sub>1</sub><br>V <sub>2</sub> ?<br>L.W<br>M<br>E       | 4<br>5<br>6<br>9 | 57<br>1<br>37<br>30 | 4<br>58<br>9 ?<br>16 | 4.1                 |              |

P. Stelling.

1911.

# Wöchentliche Erdbebenberichte

des

## Physikalischen Observatorium's

zu Tiflis.

Länge=44° 47' 51" E. Gr.  
Breite=41° 43' 8" N.

Greenwich Zeit

Mitternacht=Oh.

Ep. =Pendel Rebeur-Ehlert nach W. 30°S.  
Mp. = " " " " N.  
Wp. = " " " " E 30°S.  
BN. = " Bosch " N.  
BE. = " " " E.  
! bedeutet einen plötzlichen Einsatz.

1910

Vom 27  $\tilde{x}$  5h. 1m. bis

4  $\tilde{x}$  5h. 20 m.

19

| Datum.         | Pendel. | Phase.         | Zeit. |    |    | Amplitude. | Anmerkungen. |
|----------------|---------|----------------|-------|----|----|------------|--------------|
|                |         |                | h.    | m. | s. |            |              |
| 29 $\tilde{x}$ | Wp.     | V <sub>1</sub> | 2     | 36 | 53 | 2          |              |
|                |         | V <sub>2</sub> |       | 46 | 15 | !          |              |
|                |         | L.W.           | 3     | 3  | 8  |            |              |
|                |         | M              |       | 11 | 34 |            |              |
|                |         | E              | 4     | 50 |    | 13.1       |              |
| 29 $\tilde{x}$ | Mp.     | V <sub>1</sub> | 11    | 56 | 53 |            |              |
|                | Wp.     | L.W.           | 12    | 5  | 29 |            |              |
|                |         | M              |       | 12 | 56 |            | 5.1          |
|                |         | E              | 13    | —  |    |            |              |
| 30 $\tilde{x}$ | Wp.     | M              | 5     | 3  | 45 | 2.0        | Fernbeben    |
| 30 $\tilde{x}$ | Wp.     | M              | 6     | 24 | 13 | 2.3        |              |
|                |         | L.W.           |       | 45 | 3  |            |              |
|                |         | E              | 7     | 30 |    |            |              |
| 1 $\tilde{x}$  | Ep.     | M              | 12    | 9  | 57 | 1.7        |              |
| 1 $\tilde{x}$  | Ep.     | V <sub>1</sub> | 15    | 55 | 9  | 2          |              |
|                |         | V <sub>2</sub> | 16    | 5  | 46 | !          |              |
|                |         | M <sub>1</sub> |       | 6  | 19 |            | 10.9         |
|                |         | L.W.           |       | 28 | 12 |            |              |
|                |         | M <sub>2</sub> |       | 33 | 43 |            | 3.0          |
|                |         | E              | 18    | —  |    |            |              |
| 2 $\tilde{x}$  | Mp.     | M              | 3     | 41 | 12 | 1.1        |              |

P. Stelling, —