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## 1909. Januar.

| Jan. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 21. | I | eL | $3^h 42^m$ | | | | | | | |
| | | | $44^m$ | | | 18 | | | 3,3 | |
| | | M | $47^m$ | | | 18 | | | 5 | |
| | | F | $3^h,9$ | | | | | | | |
| 22. | II | e | $12^h 22^m$ | | | | | | | Nur einige in starker Mi. B. gelegene Wellen. |
| | | | $24^m$ | 20 | | | 12 | | | |
| | | | $25^m$ | | 25 | | | 14 | | |
| | | F | $27^m$ | | | | | | | |
| 23. | III r | $iP_{EV}$ | $2^h 54^m 54^s$ | 4 | 4 | 3 | 2 | 1 | 3,4 | = $eP_N$. |
| | | $iS_N$ | $59^m 51^s$ | | 10 | | | 28 | | |
| | | $eS_E$ | $59^s$ | 9 | | | 15 | | | |
| | | $iS_V$ | $3^h 0^m 2^s$ | | | 9 | | | 16,4 | |
| | | iL | $1^m 22^s$ | 15 | 15 | | 52 | 67 | | |
| | | $i_E$ | $4^m 47^s$ | 11 | | | 148 | | | |
| | | | $5^m$ | | | 37 | | | 1000 | |
| | | M | $9^m$ | 15 | 13 | 18 | 416 | 5031 | 447 | |
| | | | $15^m$ | 15 | 15 | 12 | 168 | 326 | 187 | |
| | | | $29^m$ | | | 13 | | | 60 | |
| | | C | | | 9—15 | | | | | |
| | | F | $5^h,3$ | | | | | | | |
| 24. | I | eL | $17^h 47^m$ | | | | | | | |
| | | M | $56^m,0$ | | | 15 | | | 11 | |
| | | | $56^m,9$ | 17 | 19 | 13 | 4 | 4 | 9 | |
| | | C | | | | 10-12 | | | | |
| | | F | $17^h,5$ | | | | | | | |
| 29. | I | eL | $1^h 40^m$ | | | | | | | Die Mi. B. scheint schon von $1^h,2$ ab gestört zu sein. |
| | | | $43^m$ | 25 | 21 | | 12 | 7 | | |
| | | | $46^m$ | | | 23 | | | 5 | |
| | | | $51^m$ | | | 20 | | | 13 | |
| | | | $57^m$ | 14 | 14 | 18 | 1 | 1 | 10 | |
| | | | $2^h 0^m$ | 12 | 12 | | 0,5 | 0,4 | | |
| | | | $4^m$ | | | 19 | | | 6 | |
| | | F | $2^h,5$ | | | | | | | |
| 29. | I | eL | $13^h 55^m$ | | | | | | | In Verkehrsstörung gelegen. In N-S eben angedeutet. |
| | | | $56^m$ | | | 22 | | | 5 | |
| | | $M_E$ | $57^m$ | 17 | | | 5 | | | |
| | | $M_V$ | $14^h 3^m$ | | | 18 | | | 5 | |
| | | F | $14^h,2$ | | | | | | | |
| 31. | I | e | $20^h 6^m$ | | | | | | | Nur ein Paar Wellen; T = 15—19. |
| | | F | $9^m$ | | | | | | | |

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.

# 1909.

# Monatliche Erdbebenberichte

der

## Seismischen Station

## zu Jena.

50° 56' N. Br.; 11° 35' Ö. L. von Greenwich.

### Zeichen-Erklärung.

**Charakter des Erdbebens:**

I = merklich, II = auffallend, III = stark.
v = terrae motus vicinus = Nahbeben (unter 1000 km).
r = „ „ remotus = Fernbeben (1000—5000 km).
u = „ „ ultimo remotus = sehr fernes Beben (über 5000 km).

**Phasen:**

P = undae primae = erste Vorläufer.
PRn = n-mal an der Erdoberfläche reflektierte Wellen.
S = undae secundae = zweite Vorläufer.
SRn = n-mal an der Erdoberfläche reflektierte Wellen.
L = undae longae = Hauptbeben.
M = „ maximae = größte Bewegung im Hauptbeben.
C = coda = Nachläufer.
F = finis = Erlöschen der sichtbaren Bewegung.

**Art der Bewegung:**

i = impetus = Einsatz.
e = emersio = Auftauchen.
T = Periode = doppelte Schwingungsdauer.
A = Amplitude, gerechnet von einer Seite zur andern.
$A_N$ = „ der N.S. Componente.
$A_E$ = „ „ E.W. „
$A_{Vert.}$ = „ „ Vert. „
Mi. B. = Mikroseismische Bewegung.

**Zeit und Maß:**

Zeit = mittlere Greenwicher, gezählt von Mitternacht zu Mitternacht.
$\mu$ = Mikron = $^1/_{1000}$ Millimeter.

**Apparate:**

W = Wiechertsches 1200 kg Horizontalpendel.
H = Horizontalpendel Rebeur-Ehlert (von Straubel umgebaut).
V = Straubelscher Vertikalapparat.

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Monatsbericht der Seismischen Station zu Jena.

**1909. Januar.**

| Jan. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | e | **21**$^h$ 47$^m$ | | | | | | | |
| | | | 49$^m$,5 | 4 | 7 | 4 | 0,5 | 0,5 | 1,4 | |
| | | $M_E$ | 50$^m$,7 | 10 | | | 3 | | | |
| | | $M_V$ | 51$^m$,3 | | | 10 | | | 12 | |
| | | F | 57$^m$ | | | | | | | |
| 3. | I | e | **3**$^h$ 16$^m$ 18$^s$ | | | 8 | | | 1,3 | |
| | | M | 17$^m$,5 | | | 8 | | | 1,5 | |
| | | F | 18$^m$,7 | | | | | | | |
| 3. | I | eL | **15**$^h$ 30$^m$ | | | 18 | | | 3,3 | |
| | | M? | 39$^m$ | | | 17 | | | 4,5 | |
| | | F | **16**$^h$,**0** | | | | | | | |
| 3. | I | $eL_V$ | **23**$^h$ 5$^m$ | | | | | | | Die Mi. B. scheint schon von 22$^h$,0 ab gestört zu sein. |
| | | | 17$^m$ | | | 21 | | | 5 | |
| | | $eL_E$ | 21$^m$ | | | | | | | Beben in N-S nur eben angedeutet. |
| | | $M_{EV}$ | 29$^m$ | 19 | | 20 | 1 | | 13 | |
| | | F | **24**$^h$,**0** | | | | | | | |
| 5. | II | eL | **7**$^h$ 48$^m$ | | | | | | | Um 7$^h$ 21$^m$ 55$^s$ liegt in der starken Mi. B. ein Stoß. Vielleicht iPv: T=5, Av = 2 $\mu$. |
| | | $M_E$ | 53$^m$ | 24 | | 20 | 14 | | 13 | |
| | | $M?_V$ | 55$^m$ | | | 20 | | | | |
| | | $M_N$ | 56$^m$ | | 20 | | | 4 | 21 | |
| | | F | **8**$^h$,**3** | | | | | | | |
| 13. | IIv | $iP_{NV}$ | **0**$^h$ 47$^m$ 0$^s$ | | 1 | <1 | | 0,5 | | In Tirol und Oberitalien gefühlt. |
| | | $iP_E$ | 7$^s$ | 1 | | | 0,5 | | | |
| | | iS | 48$^m$ 11$^s$ | 2 | 2 | | 3 | 8 | | |
| | | iL | 49$^m$ 0$^s$ | | | 9 | | | 10 | Von Wellen T = 0,8—1 überlagert. |
| | | M | 28$^s$ | 9 | 9 | 9 | 13 | 14 | 13,4 | |
| | | F | 55$^m$ | | | | | | | |
| 13. | | i | **21**$^h$ 29$^m$ 40$^s$ | | | 4 | | | 3 | Ein einzelner Stoß. |
| 15. | I | eL | **17**$^h$ 28$^m$ | | | | | | | Ganz in Verkehrsstörung gelegen. |
| | | $M_{NV}$ | 39$^m$ | | 17 | 22 | | 2,5 | 2 | |
| | | F | **18**$^h$,**0** | | | | | | | |
| 19. | IIv | eP | **5**$^h$ 0$^m$ 26$^s$ | 2 | 2 | 5? | 1,5 | 0,5 | 2 | Wegen starker Mi. B. unsicher. |
| | | eL | 5$^m$ 20$^s$ | 8 | 8 | | 5 | 8 | | In Smyrna und Menemen gefühlt. |
| | | $M_E$ | 5$^m$,7 | 17 | 16 | | 38 | 17 | | |
| | | | 6$^m$,3 | | | 9 | | | 13 | |
| | | i? | 6$^m$,8 | 9 | 9 | | 8 | 19 | | = $M_N$. |
| | | $M_V$ | 8$^m$,1 | | | 10 | | | 15 | |
| | | | ab 13$^m$ | | | | | | | Durch die starke Mi. B. verdeckt. |
| 20. | I | e | **20**$^h$ 3$^m$ | | | | | | | Aus Brindisi gemeldet. |
| | | M? | 4$^m$ | | | 5 | | | 2 | |
| | | F | 10$^m$ | | | | | | | |

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**1909. Februar.**

| Febr. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 24. | I | e | **12**$^h$ 45$^m$ | | | | | | | In Verkehrsstörung gelegen. |
| | | | 47$^m$ | | | 13 | | | 1 | |
| | | F | **12**$^h$,**9** | | | | | | | |
| 26. | I | $i_V$ | 4$^h$ 10$^m$ 44$^s$ | | | 5 | | | 2 | Es folgt nur eine kurze Abschwingung. |
| | | F | 12$^m$ | | | | | | | In W nichts zu sehen. |
| 26. | Iü | eP | **16**$^h$ 59$^m$ 38$^s$ | 2 | 2 | | 0,5 | | 2 | In N-S nichts zu sehen. |
| | | $i_V$ | 46$^s$ | | 2 | | | | 6 | Beben in N-S wesentlich schwächer als in E-W. |
| | | $PR_1$ | **17**$^h$ 2$^m$ 58$^s$ | 2 | | | 0,5 | | | |
| | | $iPR_V$ | 3$^m$ 6$^s$ | | 2 | | | | 3 | Wohl Reflexion des Stoßes um **16**$^h$ 59$^m$ 46$^s$. |
| | | $i?S_E$ | 10$^m$ 9$^s$ | 13 | | | 9 | | | = $eS_N$. |
| | | $eS_V$ | 20$^s$ | | | 11 | | | 4 | |
| | | | 11$^m$,6 | 14 | | 15 | 9 | | 11 | |
| | | eL | 27$^m$ | | | 29 | | | 9 | = $eL_{1V}$. |
| | | | 29$^m$ | 30 | | 31 | 29 | | 51 | |
| | | M | 31$^m$,5 | 30 | 29 | 29 | 54 | 8 | 73 | |
| | | | 42$^m$ | 19 | | 14 | 21 | | 15 | |
| | | C | | 12—15 | | | | | | |
| | | $F_W$ | **18**$^h$,**2** | | | | | | | |
| | | $eL_{2V}$ | **19**$^h$ 2$^m$ | | | | | | | |
| | | | 7$^m$ | | | 20 | | | 1,3 | |
| | | | 18$^m$ | | | 15 | | | 1 | |
| | | F | **19**$^h$,**6** | | | | | | | |
| 27. | I | eL | **15**$^h$ 0$^m$ | | | 20 | | | 2 | Ganz in Verkehrsstörung gelegen. |
| | | | 15$^m$ | | | 19 | | | 5 | |
| | | F | **15**$^h$,**3** | | | | | | | |

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**1909. Februar.**

| Febr. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | e | **3**$^h$ 9$^m$ | | | | | | | |
| | | M | 12$^m$ | | | 11 | | | 2 | |
| | | F | 15$^m$ | | | | | | | |
| 2. | I | eL | **19**$^h$ 48$^m$ | | | | | | | |
| | | | 59$^m$ | | | 23 | | | 5 | |
| | | M | **20**$^h$ 4$^m$ | | | 22 | | | 10 | |
| | | | 8$^m$ | | | 15 | | | 3 | |
| | | F | **20**$^h$,**6** | | | | | | | |
| 4./6. | | | **18**$^h$ — **7**$^h$ | | | | | | | Pulsationen T = ca. 60—120. |
| 9. | IIr | $ePW$ | **11**$^h$ 28$^m$ 46$^s$ | 3 | 2 | | 1 | 0,5 | | Aus Tiflis gemeldet. |
| | | $iP_V$ | 50$^s$ | | | 2 | | | 3 | |
| | | $iS_V$ | 32$^m$ 49$^s$ | | | 6 | | | 4 | |
| | | $iS_W$ | 53$^s$ | 12 | 12 | | 15 | 102 | | |
| | | $i_V$ | 58$^s$ | | | 6 | | | 8 | |
| | | $eL_W$ | 34$^m$ | 39 | 37 | | 189 | 124 | | |
| | | $M_{1N}$ | 35$^m$,6 | 30 | 29 | | 144 | 106 | | |
| | | $i?L_V$ | 36$^m$,3 | 37 | | 13 | 339 | | 37 | = $M_{1E}$. |
| | | | 38$^m$,0 | 12 | 12 | | 88 | 61 | | |
| | | $M_{2W}$ | 38$^m$,8 | 15 | 10 | 15 | 108 | 62 | 131 | = $M_{1V}$. |
| | | | 41$^m$ | 12 | | 10 | 70 | | 36 | |
| | | | 58$^m$ | | | 15 | | | 19 | |
| | | C | | | 8—15 | | | | | |
| | | F | **12**$^h$,**8** | | | | | | | |
| 9. | Ir | $iP_V$ | **14**$^h$ 43$^m$ 20$^s$ | 2 | 2 | 2 | 3 | 1 | 3 | = $ePW$. Aus Tiflis gemeldet. |
| | | $iS_N$ | 47$^m$ 22$^s$ | 13 | 13 | | 4 | 13 | | = $eS_E$. |
| | | $iS_V$ | 29$^s$ | | | 6 | | | 2,5 | |
| | | eL | 49$^m$ | 40 | 40 | 23 | 67 | 57 | 14 | |
| | | $M_{1EV}$ | 50$^m$ | 29 | 26 | 29 | 31 | 9 | 59 | |
| | | | 52$^m$ | 21 | | 21 | 6 | | 47 | |
| | | $M_{2EV}$ | 55$^m$ | 9 | | 18 | 49 | | 50 | |
| | | C | | | 7—11 | | | | | |
| | | F | **15**$^h$,**5** | | | | | | | |
| 10. | IIr | $iP_V$ | **19**$^h$ 54$^m$ 50$^s$ | 2 | 2 | 2 | 1 | 0,5 | 3 | = $ePW$. |
| | | $i_V$ | 55$^m$ 5$^s$ | | | 3 | | | 3 | |
| | | $eS_E$ | 58$^m$ 52$^s$ | 15 | | | 5 | | | Von Wellen T = 5 überlagert. |
| | | $iS_N$ | 54$^s$ | | 12 | | | 11 | | |
| | | $iS_V$ | 59$^s$ | | | 7 | | | 3 | |
| | | eL | **20**$^h$ 1$^m$ | 31 | 22 | 20 | 31 | 7 | 10 | |
| | | $M_{1EV}$ | 2$^m$ | 24 | | 25 | 37 | | 30 | |
| | | $M_{2E}$ | 4$^m$ | 15 | | | 20 | | | |
| | | $M_{2V}$ | 5$^m$ | | | 20 | | | 54 | |
| | | $M_N$ | 6$^m$ | | 13 | | | 8 | | |
| | | | 10$^m$ | | | 11 | | | 9 | |
| | | C | | | 7—11 | | | | | |
| | | F | **20**$^h$,**5** | | | | | | | |
| 13. | I | eL | **5**$^h$ 3$^m$ | | | | | | | |
| | | $M_{EN}$ | 4$^m$ | 22 | 22 | 25 | 5 | 3 | 4 | |
| | | $M_V$ | 12$^m$ | 13 | 13 | 17 | 1 | 1 | 11 | |
| | | | 12$^m$,5 | | | 12 | | | 7 | |
| | | F | **5**$^h$,**4** | | | | | | | |

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| Febr. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 13. | I | eL | **6**h 19m | | | 20 | | | 1 | |
| | | $M_{EV}$ | 25m | 18 | | 15 | 3 | | 5 | |
| | | F | **6**h,**7** | | | | | | | |
| 13. | I | eL | **17**h 56m | | | | | | | |
| | | | **18**h 0m | | | 19 | | | 4 | |
| | | F | **18**h,**1** | | | | | | | |
| 13. | I | eL | **19**h 32m,4 | 19 | | | 5 | | | = $M_E$. Beben in N-S nur eben angedeutet. Aus Messina und Reggio gemeldet. |
| | | | 33m,4 | | | 23 | | | 8 | |
| | | i? $M_V$ | 34m,1 | 16 | | 12 | 4 | | 7 | |
| | | F | **19**h,**7** | | | | | | | |
| 14. | Ir | iP | **15**h 51m 30s | 4 | 4 | 5 | 4 | 1,5 | 2,4 | |
| | | i? $S_W$ | 55m 21s | 8 | 8 | 8 | 5 | 1 | 2,5 | = $eS_V$. |
| | | eL | 57m | | | 30 | | | 15 | |
| | | | 58m,8 | 21 | 20 | | 10 | 6 | | |
| | | | 59m,3 | | | 19 | | | 11 | |
| | | $M_{1E}$ | 59m,8 | 18 | 18 | | 10 | 1 | | |
| | | $M_V$ | **16**h 0m | | | 17 | | | 20 | **16**h 2m — **16**h 4m. Bogenwechsel des Vertikalapparates. |
| | | $M_N$ | 1m | 13 | 12 | | 5 | 3 | | |
| | | $M_{2E}$ | 5m | 9 | | 13 | 8 | | 14 | |
| | | C | | | 10 | | | | | |
| | | F | **16**h,**6** | | | | | | | |
| 15. | I | eL | **1**h 21m | | | | | | | |
| | | | 25m | | 17 | | | 4 | | |
| | | | 27m | | 15 | 11 | | 4 | 5 | |
| | | C | | | 8 | 8 | | | | |
| | | F | **2**h,**0** | | | | | | | |
| 15. | IIr | iP $_V$? | **9**h 39m 17s | | | 6 | | | 2 | eP$_E$ bei 39m,3. |
| | | i? $L_W$ | 41m 34s | 10 | 10 | | 13 | 16 | | = $iL_V$. |
| | | | 45s | 11 | 12 | | 24 | 14 | | In Bulgarien gefühlt. |
| | | $M_1$ | 42m,9 | 11 | 11 | 8 | 44 | 45 | 26 | |
| | | $M_2$ | 43m,6 | 8 | 8 | 8 | 26 | 32 | 33 | |
| | | C | | | 5—7 | | | | | |
| | | F | **10**h,**2** | | | | | | | |
| 15. | I | eL | **10**h,**4** | | | | | | | In starker Mi. B. gelegen. |
| | | M? | 34m | | | 18 | | | 10 | Beben in W nur eben angedeutet. |
| | | F | **10**h,**9** | | | | | | | |
| 15. | I | e | **14**h 14m | | | | | | | Sehr schwaches in Verkehrsstörung gelegenes Beben. Soll in Bulgarien gefühlt worden sein. |
| | | M | 16m | 12 | | 12 | 1 | | 4 | |
| | | F | **14**h,**4** | | | | | | | |
| 15./16. | | | **11**h bis **6**h | | | | | | | Leichte Pulsationen. |
| 16. | I | eL | **8**h 32m | | | | | | | |
| | | $M_N$ | 38m,6 | | 19 | | | 9 | | |
| | | $M_E$ | 38m,8 | 12 | | | 5 | | | |
| | | $M_V$ | 40m | | | 17 | | | 20 | |
| | | C | | | 9—12 | | | | | |
| | | F | **9**h,**2** | | | | | | | |
| 16. | I | eL | **17**h 9m | | | | | | | |
| | | $M_V$ | 13m | | | 24 | | | 5 | |
| | | | 14m | 20 | 20 | | 1,5 | 1 | | |

1909. Februar.

| Febr. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 16. | | | **17**h 15m | | | 18 | | | 4 | |
| | | $M_E$ | 16m | 16 | 16 | | 3 | 1 | | |
| | | | 20m | | | 13 | | | 3 | |
| | | C | | | | 10—12 | | | | |
| | | F | **18**h,**0** | | | | | | | |
| 19. | I | eL | **10**h 11m | | | | | | | Ganz in Verkehrsstörung gelegenes Beb. |
| | | $M_N$ | 14m | | 14 | | | 3,5 | | |
| | | $M_E$ | 15m | 12 | | | 2,5 | | | |
| | | $M_V$ | 17m | | | 18 | | | 13 | |
| | | | ab **10**h,**4** | | | | | | | Verdeckt. |
| 20. | I | eL | **22**h 28m | | | 28 | | | 4 | |
| | | M? | 39m | | | 20 | | | 4 | |
| | | C | | | | 12—15 | | | | |
| | | F | **23**h,**0** | | | | | | | |
| 22. | IIr | $iP_{VN}$ | **9**h 40m 25s | 4 | 4 | 4 | 2,5 | 12 | 31 | = eP$_E$. Zeitmarken fehlen auf beiden Apparaten. |
| | | $PR_1$ | 42m 34s | 4 | 5 | 4 | 1,3 | 5 | 13 | Zeiten in Vert. auf + 3 Sek. genau. |
| | | | 56s | | | 4 | | | 19 | Zeiten von W sind als mit denen von Vert. gleich angesehen worden. |
| | | $PR_2$ | 43m 39s | 4 | 4 | 4 | 4 | 5 | 18 | |
| | | $eS_W$ | 45m | 9 | 9 | | 3,5 | 4,5 | | |
| | | $iS_V$ | 46m 12s | | | 9 | | | 10 | |
| | | SR | 49m 7s | 9 | 9 | 9 | 4 | 7 | 4 | |
| | | eL | 57m | 20 | 16 | | 10 | 5 | | In N-S und Vert. kein ausgeprägtes Maximum vorhanden. |
| | | $M_{1E}$ | **10**h 0m | 17 | 17 | | 40 | 7,5 | | |
| | | $M_{2E}$ | 3m | 18 | 18 | | 44 | 8 | | |
| | | | 9m | | | 11 | | 10 | | |
| | | | 25m | | | 16 | | 22 | | Vielleicht $M_V$. |
| | | | 39m | | | 15 | | 12 | | |
| | | C | | | 10—13 | | | | | |
| | | $F_W$ | **11**h,**2** | | | | | | | |
| | | $F_V$ | **12**h,**2** | | | | | | | |
| 22. | IIr | $eP_V$ | **14**h 21m 3s | | | 2 | | | 1,5 | |
| | | $eP_W$ | 6s | 2,5 | 2,5 | | 1 | 0,5 | | |
| | | $i_{EV}$ | 10s | 2,5 | | 2 | 4 | | 3,5 | |
| | | e | 22m 5s | | | 5 | | | 1,5 | |
| | | iS | 25m 6s | 8 | 8 | 6 | 6 | 11 | 2 | |
| | | eL | 27m | 26 | | | 17 | | | In N-S kein ausgeprägtes Maximum. |
| | | | 28m | | | 28 | | | 43 | |
| | | | 29m | 23 | 23 | 23 | 22 | 15 | 45 | |
| | | $M_E$ | 30m,8 | 21 | | | 33 | | | |
| | | $M_V$ | 31m,6 | 18 | | 16 | 23 | | 52 | |
| | | | 32m,3 | | 14 | | | 10 | | |
| | | | 34m,9 | 11 | 11 | | 8 | 11 | | Vielleicht $M_N$. |
| | | | 35m,7 | 13 | | 13 | 10 | | 19 | |
| | | C | | | 7—11 | | | | | |
| | | F | **15**h,**2** | | | | | | | |
| 22. | I | e | **21**h 53m | | | | | | | |
| | | M | 59m | | | 15 | | | 2,5 | |
| | | F | **22**h,**2** | | | | | | | |
| 24. | I | eL | **5**h 15m | | | 15 | | | 1 | |
| | | $M_V$ | 18m | | | 19 | | | 4 | |
| | | | 47m | | | 12 | | | 1 | |
| | | F | **6**h,**0** | | | | | | | |

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## 1909. März.

| März | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | eL | **2**h 1m | | | | | | | In N-S nur eben angedeutet |
| | | | 3m | | | 28 | | | 4 | |
| | | $M_E$? | 6m | 22 | | | 11 | | | |
| | | | 9m | | | 17 | | | 5 | = $F_W$. |
| | | F | **2h,6** | | | | | | | |
| 2. | I | e | **23h,8** | | | | | | | In starker Mi. B. gelegen. In N-S nur eben angedeutet. |
| | | | 55m | 18 | | | 25 | | | |
| | | | 58m | | | 20 | | | 6 | |
| 3. | | F | **0h,2** | | | | | | | |
| 5. | Ir | eP | **12h 22m 29s** | | | | | | | Aus Reggio, Gerace und Tropea gemeldet. |
| | | $eL_N$ | 32m,0 | | | | | | | |
| | | $eL_E$ | 32m,5 | 18 | 18 | | 2,5 | 1 | | |
| | | $eL_V$ | 33m,0 | | | | | | | |
| | | | 33m,5 | | | 9 | | | 2,5 | |
| | | $M_N$? | 33m,8 | | 11 | | | 2 | | |
| | | $M_E$? | 34m,9 | 14 | | | 4,6 | | | |
| | | $M_V$ | 35m,9 | | | 9 | | | 2,8 | |
| | | F | **12h,9** | | | | | | | |
| 6. | I | eL | **12h** 1m | | | | | | | |
| | | | 2m | | | 20 | | | 2 | |
| | | F | **12h,2** | | | | | | | |
| 7. | I | eL | **19h** 2m | | | 25 | | | 5 | |
| | | | 11m | | | 19 | | | 4 | |
| | | $M_E$? | 12m | 17 | 17 | | 5 | 1 | | |
| | | C | | | | 10 | | | | |
| | | F | **19h,5** | | | | | | | |
| 7. | I | eL | **20h** 37m | | | | | | | Im Diagramm von W auf beiden Komponenten nur sehr schwach! |
| | | | 43m | | | 16 | | | 6 | |
| | | F | **21h,0** | | | | | | | |
| 8. | I | e | **5h** 29m | | | 15 | | | 1,3 | Nur einige, wenige Wellen. |
| | | F | 31m | | | | | | | |
| 8. | IIu | $ePR_V$ | **11h** 42m 41s | | | 6 | | | 1 | Im Diagramm von W Einsatz wegen Störung unsicher. |
| | | $iPR_V$ | 44m 53s | | | 6 | | | 1 | |
| | | | 45m 1s | 5 | 5 | 6 | 0,5 | 0,5 | 2,5 | |
| | | $eS_V$ | 56m 45s | | | 17 | | | 30 | |
| | | eL | **12h** 25m | | | | | | | |
| | | $M_{1E\,V}$ | 37m | 20 | 27 | 22 | 10 | 2 | 21 | Auftreten regelmäßiger Schwebungen. |
| | | $M_S$ | 41m | | 23 | 20 | | 11 | 17 | |
| | | $M_{2E}$ | 47m | 17 | | | 5 | | | |
| | | C | | | | 15 | | | | |
| | | $F_N$ | **13h,2** | | | | | | | |
| | | $F_E$ | **13h,6** | | | | | | | |
| | | $F_V$ | **14h,2** | | | | | | | |

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| März | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 8. | Ir | $eP_V$ | **16h** 9m 55s | | | 7 | | | 1 | Soll in Messina gefühlt worden sein. |
| | | $eP_{EN}$ | 59s | | | | | | | |
| | | $eL_N$ | 10m 38s | | 10 | | | 0,4 | | |
| | | $M_N$ | 11m,2 | | 10 | | | 3 | | |
| | | $M_E$ | 11m,4 | 12 | | | 4 | | | |
| | | | 11m,7 | | | 9 | | | 2 | |
| | | $M_V$ | 12m,7 | | | 15 | | | 8 | |
| | | F | 19m | | | | | | | |
| 10. | I | | **11h** 53m | | | 15 | | | 0,5 | Nur einige, wenige Wellen. |
| 10. | I | | **12h** 37m | | | 15 | | | 0,2 | Desgl. |
| 10. | I | | **16h** 49m | | | 15 | | | 0,7 | Desgl. |
| 10. | I | | **17h** 25m | | | 15 | | | 3,5 | Desgl. |
| 10. | Iv | eP | **22h** 42m 0s | | | | | | | Aus Bulgarien gemeldet. |
| | | eL | 43m,8 | | | | | | | |
| | | M | 44m,2 | 11 | 11 | | 5 | 3 | | Wegen mangelhafter Zeitmarkierung Zeiten auf ± 0,3 Min. genau. |
| | | C | | 3—4 | | | | | | |
| | | F | 50m | | | | | | | Im V Ausfall der Registrierung. |
| 11. | Iu | $iP_V$ | **0h** 7m 33s | 3 | 3 | 3 | 0,5 | 0,5 | 3,5 | = $eP_{EN}$. In W von Wellen T = 1,5 bis 2 überlagert. |
| | | $PR_V$ | 10m 50s | | | 3 | | | 1,3 | |
| | | $iS_N$ | 17m 54s | | 6 | | | 9 | | |
| | | $iS_E$ | 56s | 7 | | | 17 | | | |
| | | $iS_V$ | 18m 0s | | | 8 | | | 3 | |
| | | eL | 36m | | | | | | | |
| | | $M_{1V}$ | 41m | 28 | 28 | 26 | 31 | 14 | 22 | |
| | | $M_{1E}$ | 42m,2 | 26 | | | 62 | | | |
| | | | 47m | | | 17 | | | 15 | |
| | | $M_{2E}$ | 49m,2 | 16 | | | 21 | | | |
| | | $M_{2V}$ | 49m,7 | | 14 | 15 | | 18 | 53 | = $M_N$. |
| | | C | | | 12—15 | | | | | |
| | | $F_W$ | **1h,4** | | | | | | | |
| | | $F_V$ | **2h,9** | | | | | | | |
| 11. | I | | **14h** 56m | | | 12 | | | 3 | Einsatz liegt in einem Registrierungsausfall. |
| | | F | **15h,2** | | | | | | | |
| 11. | I | eL | **21h** 13m | | | | | | | |
| | | | 19m | | | 15 | | | 2 | |
| | | M | 21m | | | 20 | | | 8 | |
| | | | 23m | | | 12 | | | 4 | |
| | | C | | | | 10—11 | | | | |
| | | F | **22h,1** | | | | | | | |
| 12. | I | eL | **0h** 20m | | | | | | | |
| | | | 21m | | | 15 | | | 1 | |
| | | | 24m | | | 15 | | | 0,7 | |
| | | F | **0h,6** | | | | | | | |
| 12. | I | eL | **1h** 9m | | | | | | | In E-W nichts zu sehen. |
| | | M | 15m | | 14 | 13 | | 1,5 | 3 | |
| | | F | **1h,7** | | | | | | | |
| 12. | I | eL | **1h** 46m | | | | | | | In E-W nichts zu sehen. |
| | | | 53m | | | 23 | | | 4,5 | |
| | | | 54m | 15 | | | | 0,5 | | |
| | | $M_V$ | 56m | | | 19 | | | 7 | |
| | | F | **2h,3** | | | | | | | |



| März | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 12. | I | e | **19h** 14m | | | | | | | |
| | | eL | 24m | | | | | | | |
| | | | 26m | | | 20 | | | 3,4 | |
| | | M | 30m | | | 19 | | | 4 | |
| | | F | **19h,7** | | | | | | | |
| 12. | | | **20h,1—20h,6** | | | | | | | Ganz schwache Wellen in V. |
| 12. | IIu | $iP_V$ | **23h** 31m 1s | | | 6 | | | 3 | E-W Komponente hat nicht geschrieben. |
| | | $eP_N$ | 3s | | 3 | | | 0,5 | | |
| | | $PR_V$? | 34m 16s | | | 6 | | | 1,4 | |
| | | $i?S_V$ | 41m 18s | | | 20 | | | 17 | |
| | | $eS_N$ | 22s | | 15 | | | 1,6 | | |
| | | $SR_{1V}$ | 47m 43s | | | 17 | | | 6 | |
| | | $SR_{2V}$ | 51m 21s | | 15 | 15 | | 1,6 | 11 | = $SR_N$. |
| 13. | | $eL_{1V}$ | **0h** 0m | | | 32 | | | 39 | = $eL_W$. |
| | | $M_{1NV}$ | 6m | | 26 | 32 | | 90 | 67 | |
| | | $M_{2N}$ | 8m | | 20 | 14 | | 74 | 39 | |
| | | | 10m | | 18 | | | 71 | | |
| | | $M_{2V}$ | 12m | | | 15 | | | 99 | |
| | | | 14m | | 14 | 15 | | 50 | 91 | |
| | | $M_{3V}$ | 15m | | | 15 | | | 96 | |
| | | C | | | 10—12 | | | | | |
| | | $F_W$ | **1h,2** | | | | | | | |
| | | $eL_{2V}$ | **1h** 59m | | | | | | | |
| | | | **2h** 2m | | | 15 | | | 2,2 | |
| | | C | | | | 10—12 | | | | |
| | | $eL_{2V}$ | **3h** 20m | | | | | | | |
| | | M | 29m | | | 15 | | | 3 | |
| | | C | | | | 10—12 | | | | |
| | | $F_V$ | **3h,9** | | | | | | | |
| 13. | IIu | $i_1P$ | **14h** 41m 27s | 3 | 3 | 3 | 4 | 2 | 14 | I Zwei übereinander gelagerte Beben. |
| | | $i_2$ | 52s | | | 3 | | | 22 | I Die Zahlen in dieser Spalte geben |
| | | $i_{3V}$ | 42m 26s | | | 3 | | | 9 | I an, zu welchem Beben die ge- |
| | | iPR | 45m 1s | 3 | 3 | 3 | 6 | 4 | 7 | I gebenen Daten gehören. |
| | IIr | iP | 47m 21s | 3 | 3 | 3 | 9 | 4 | 5 | II Herddistanz des ersten Bebens ca. |
| | | $eS_{EV}$ | 51m 26s | 8 | | 10 | 2 | | 5 | II 9000 km. |
| | | $iS_V$ | 51m 50s | | | 18 | | | 33 | I Herddistanz des zweiten Bebens ca. |
| | | $iS_W$ | 52m 9s | 18 | 18 | | 47 | 12 | | I 2500 km. |
| | | SR | 56m 30s | 14 | | 17 | 7 | | 23 | I |
| | | eL | 57m | | | | | | | II |
| | | $M_1$ | 58m | 41 | 41 | 41 | 189 | 120 | 187 | II |
| | | $M_2$ | **15h** 2m | 26 | 26 | 24 | 95 | 39 | 186 | II Im übrigen wird das zweite Beben |
| | | $eL_1$ | 6m | 60 | 60 | | | | | I unterdrückt. |
| | | $M_{1V}$ | 11m | | | 40 | | | 89 | I |
| | | $M_{1EN}$ | 14m | 26 | 26 | 23 | 135 | 138 | 57 | I |
| | | $M_{2V}$ | 15m | | | 23 | | | 102 | I |
| | | $M_{2N}$ | 16m | 21 | 21 | | 127 | 159 | | I |
| | | | 19m | 15 | 15 | 15 | 106 | 86 | 58 | I |
| | | $M_{2E}$ | 23m | 15 | 15 | 15 | 112 | 47 | 120 | = $M_{3V}$. I |
| | | | 25m | 15 | 15 | 12 | 75 | 17 | 60 | I |
| | | C | | | 14 | | | | | I Von **16h** 28m—**17h** 30m Ausfall der |
| | | $eL_2$ | **16h** 45m | | | | | | | I Registrierung im V. |
| | | | 50m | | 19 | | | 2 | | I |

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| März | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 13. | | | 52m | 18 | | | 8 | | | I |
| | | $F_W$ | **18h,0** | | | | | | | I |
| | | $eL_3v$ | **18h,3** | | | | | | | I |
| | | C | | | | 11-15 | | | | I |
| | | $F_V$ | **18h,9** | | | | | | | I |
| 15. | I | eL | **21h** 3m | | | | | | | |
| | | | 7m | | | 23 | | | 1 | |
| | | M | 10m | | | 18 | | | 3 | |
| | | F | **21h,3** | | | | | | | |
| 17. | | | **16,2h—19,2h** | | | | | | | Ausfall der Registrierung. |
| 17. | IIu | eP | **23h** 11m 39s | | | 9 | | | 1,3 | In W nur eben angedeutet. |
| | | i?$S_V$ | 20m 50s | | | 16 | | | 9 | |
| | | e$S_N$ | 22m,2 | | | | | | | Sehr schwach. |
| | | | 26m | 19 | 19 | | 11 | 1 | | |
| | | $eL_1$ | 32m | | | 42 | | | 25 | |
| | | $M_{EN}$ | 42m | 68 | 68 | | 143 | 200 | | |
| | | $M_V$ | 45m | | | 40 | | | 53 | |
| | | | 46m | | 38 | | | 56 | | |
| | | | 51m | 28 | 25 | | 33 | 41 | | |
| | | | 52m | | | 28 | | | 51 | |
| 18. | | | **0h** 1m | | 21 | 21 | | 25 | 37 | |
| | | | 10m | | | 19 | | | 23 | |
| | | C | | | | 12 | | | | |
| | | e$L_2$ | 52m | | | 25 | | | 5 | |
| | | $M_1v$ | 59m | | | 19 | | | 7 | |
| | | | **1h** 1m | | 25 | | | 2 | | |
| | | $M_2v$ | 7m | | | 25 | | | 10 | |
| | | | 14m | | | 21 | | | 9 | |
| | | $M_3v$ | 19m | | | 19 | | | 11 | |
| | | C | | | | 15-16 | | | | |
| | | $F_W$ | **1h,6** | | | | | | | |
| | | $F_V$ | **2h,3** | | | | | | | |
| 18. | I | L | **9h** 25m | 24 | | | 3 | | | Sehr schwach! In starker Mi. B. gelegen. |
| | | F | **9h,7** | | | | | | | |
| 21. | | | **11h,5—13h,4** | | | | | | | Pulsationen. |
| 22. | Iu | $eP_V?$ | **4h** 38m 23s | | | 9 | | | 1 | |
| | | eL | **5h** 12m | | | | | | | |
| | | | 14m | 17 | 17 | 20 | 1 | 1 | 4 | |
| | | $M_{EN}$ | 18m | 11 | 11 | | 4 | 3 | | |
| | | $M_1v$ | 22m | 14 | | 17 | 3 | | 14 | |
| | | C | | | | 10 | | | | |
| | | F | **6h,1** | | | | | | | |
| 22. | IIu | $iP_V$ | **20h** 16m 3s | | | 3 | | | 2 | = $eP_E$ nur eben angedeutet. |
| | | eS | 26m 16s | 3 | 3 | | 0,5 | 0,5 | | |
| | | eL | 46m | | | | | | | |
| | | $M_{EN}$ | 50m | 35 | 35 | | 50 | 21 | | |
| | | | 52m | 17 | 17 | 20 | 8 | 2,5 | 12 | |
| | | $M_V$ | 56m | | | 18 | | | 33 | |
| | | | 58m | | | 13 | | | 24 | |
| | | C | | 15 | 12 | | | | | |



| März | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 22. | IIu | $F_W$ | **21h,4** | | | | | | | |
| | | $F_V$ | **22h,2** | | | | | | | |
| 22. | | $i_1$ | **22h** 24m 16s | | | 3 | | | 1 | |
| | | $i_2$ | 25m 5s | | | 3 | | | 1 | |
| | | | 28m 48s | | | 8 | | | 2 | |
| | | | 45m | | | 11 | | | 1 | |
| | | F | **23h,3** | | | | | | | |
| 22. | I | eL | **23h** 33m | | | | | | | |
| | | | 37m | | | 30 | | | 2 | |
| | | | 42m | | | 20 | | | 3 | |
| | | | 46m | | | 20 | | | 4 | |
| | | | 47m | 20 | | | 3 | | | |
| | | | 55m | | 17 | | | 2 | | |
| | | | 57m | | | 20 | | | 4 | |
| 23. | | F | **0h,5** | | | | | | | |
| 24. | I | e | **22h** 28m | | | | | | | In N-S eben angedeutetes Beben. |
| | | | 31m | | | 10 | | | 1 | |
| | | F | 32m | | | | | | | |
| 25. | | | **7,5h—14,5h** | | | | | | | Pulsationen T = 60—100. |
| 26. | | | **7,6h—17,5h** | | | | | | | Leichte Pulsationen. |
| 27. | I | eL | **14h** 30m | | | | | | | |
| | | | 34m | | | 20 | | | 4 | |
| | | | 44m | | | 17 | | | 2,4 | |
| | | F | **15h,2** | | | | | | | |
| 28. | I | eL | **7h** 19m | | | | | | | |
| | | | 20m | | | 12 | | | 0,3 | |
| | | | 25m | | | 12 | | | 0,5 | |
| | | F | **7h,6** | | | | | | | |
| 31. | | | **1,8h—14,8h** | | | | | | | Pulsationen T = 40—80. |

## Berichtigungen zu 1908.

Der dem Septemberbericht angehängte Nachtrag zum Augustbericht ist zu streichen.
Okt. 9 lies **0h** 40m statt **0** 40m.
Nov. 4 lies **4h** 12m,2 bzw. 12m,4 statt 13m,2 bzw. 13m,4.
Nov. 4 lies **8h** 15m 36s statt **18h** 15m 36s.
Nov. 4 lies **20h** 42m 2s statt **20h** 41m2s.
Dez. 23 lies Ir statt I.

## Berichtigungen zu 1909.

Febr. 22 **10h** 9m—39m. Die unter N-S gegebenen Amplituden gehören unter Vert.

### Nachtrag. 1908. Oktober.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 22. | Iv | e | **23h** 49m 28s | | | | | | | Im Vogtland gefühlt. |
| | | | 36s | | | | | | | |

### 1908. Dezember.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 18. | I | i | **10h** 19m 31s | 1 | | | 0,7 | | | In N-S nur als feine Zahnung sichtbar. |
| | | F | 19m,9 | | | | | | | |

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.

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## 1909. April.

| April | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 28. | Iu | $iP_V$ | **0**$^h$ 16$^m$ 48$^s$ | | | 5 | | | 3 | Sehr schwaches Beben. |
| | | PR? | 18$^m$ 23$^s$ | | | 5 | | | 1 | |
| | | eS? | 30$^m$ 27$^s$ | | | 10 | | | 0,3 | |
| | | eL? | 55$^m$ | | | 30 | | | 1 | |
| | | F | ? | | | | | | | |
| 28. | | | **8**$^h$,**5**—**14**$^h$,**8** | | | | | | | Pulsationen T = ca. 60. |
| 29. | | | **8**$^h$,**3**—**18**$^h$,**0** | | | | | | | Pulsationen T = ca. 50. |
| 29. | Iu | $eP_V$ | **22**$^h$ 54$^m$ 15$^s$ | | | 5 | | | 0,3 | In N-S sehr schwach angedeutet. |
| | | eS | **23**$^h$ 5$^m$ 5$^s$ | 10 | | 10 | 0,4 | | 2,5 | Sehr schwach in E-W. |
| | | $MS_V$ | 7$^m$ | | | 15 | | | 4,5 | |
| | | SR? | 12$^m$ | | 19 | | | 5 | | |
| | | $eL_{1\,NV}$ | 23$^m$ | | | | | | | = $eL_E$. |
| | | | 26$^m$ | | | 40 | | | 18 | |
| | | $M_{1\,NV}$ | 32$^m$ | | 25 | 30 | | 16 | 25 | |
| | | $M_{1\,E}$ | 35$^m$ | 23 | 23 | | 16 | 10 | | |
| | | | 36$^m$ | | | 20 | | | 20 | |
| | | $M_{2\,NV}$ | 39$^m$ | 15 | 15 | 16 | 6 | 7 | 29 | |
| | | C | | | 11—15 | | | | | |
| 30. | | $eL_2$ | **0**$^h$ 50$^m$ | | | | | | | |
| | | $M_N$ | 52$^m$ | | 33 | | | 4 | | |
| | | $M_V$ | 55$^m$ | | | 30 | | | 5 | |
| | | | **1**$^h$ 5$^m$ | | 22 | 20 | | 1 | 2 | |
| | | F | **1**$^h$,**5** | | | | | | | |
| 30. | | | **6**$^h$,**5**—**16**$^h$,**3** | | | | | | | Pulsationen T = ca. 60. |

### Nachtrag zu 1909. Februar.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 14. | I | e | **3**$^h$ 23$^m$,5 | 10 | | | 1 | |
| | | M | 24$^m$,3 | 12 | | | 1,6 | |
| | | F | 29$^m$ | | | | | |

### Nachtrag zu März.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 17. | Ir | eP? | **6**$^h$ 10$^m$,2 | 2 | | | 0,8 | Aus Modena gemeldet. |
| | | eL? | 10$^m$ 45$^s$ | 9 | | | 1,4 | |
| | | M | 11$^m$,5 | 12 | | | 1,2 | |
| | | F | 12$^m$,9 | | | | | |

### Berichtigung zu 1907.

April 12.: lies Ir statt Iv.
Juni 16.: das L bei den Pulsationen um **17**$^h$ 10$^m$ ist zu streichen.

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.

## 1909. April.

| April | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | | **7**$^h$,**9**—**23**$^h$,**0** | | | | | | | Pulsationen T = ca. 60—80. |
| 2. | I | eL | **12**$^h$ 23$^m$ | | | | | | | In E-W wesentlich schwächer als wie in N-S. |
| | | | 25$^m$ | | 11 | | | | 2 | |
| | | | 27$^m$ | | 15 | 16 | | 2 | 6 | |
| | | F | **12**$^h$,**6** | | | | | | | |
| 3. | Ir | iP | **2**$^h$ 40$^m$ 10$^s$ | 3 | 3 | 3 | 0,5 | 5 | 2 | Durch Eisenbahnstörung nicht ganz sicher. |
| | | $iS_N$? | 44$^m$,1 | | 5 | | | 4,5 | | Fällt in die Minutenmarke. |
| | | eL | 46$^m$ | | 30 | | | | 3 | In N-S besser ausgeprägtes Beben als in E-W. |
| | | $M_{EN}$ | 48$^m$ | 20 | 20 | 20 | 3 | 1 | 9 | = $M_{1\,V}$. |
| | | $M_2$V | 52$^m$ | | 10 | | | | 4,5 | |
| | | F | **3**$^h$,**0** | | | | | | | |
| 3. | I | $i_{1V}$ | **12**$^h$ 55$^m$ 1$^s$ | | 1 | | | | 1,7 | Wegen Verkehrsstörung weiter nichts zu erkennen. |
| | | $i_{2V}$ | 10$^s$ | | 1 | | | | 3,5 | = $i_{1EN}$. |
| | | F? | 56$^m$ 5$^s$ | | | | | | | |
| 7. | I | e | **19**$^h$ 40$^m$ | | | | | | | Vielleicht eP. |
| | | eL | **20**$^h$ 4$^m$ | | | | | | | |
| | | M? | 6$^m$ | | 25 | | | | 3 | |
| | | | 16$^m$ | | 20 | | | | 2 | |
| | | F | 25$^m$ | | | | | | | |
| 8. | I | eL | **11**$^h$ 15$^m$ | | | | | | | |
| | | | 22$^m$ | | 19 | | | | 1 | |
| | | F | 25$^m$ | | | | | | | |
| 8. | I | eL | **21**$^h$ 51$^m$ | | | | | | | |
| | | | 53$^m$ | | 20 | | | | 0,4 | |
| | | | 58$^m$ | | 10 | | | | 1 | |
| | | F | **22**$^h$,**0** | | | | | | | |
| 10. | IIu | $i_1P_V$ | **5**$^h$ 46$^m$ 45$^s$ | | 4 | | | | 5 | Aup Japan gemeldet. |
| | | $i_1P_N$ | 50$^s$ | 2 | 4 | | 0,4 | 2,5 | | = $eP_E$. |
| | | $i_{2V}$ | 57$^s$ | | 4 | | | | 8 | |
| | | $i_N$ | 47$^m$ 0$^s$ | | | | | | | Fällt in die Minutenmarke. |
| | | $PR_{NV}$ | 50$^m$ 17$^s$ | | 4 | 4 | | 3 | 5 | |
| | | $PR_E$ | 27$^s$ | 4 | | | 2 | | | |
| | | $eS_V$ | 59$^m$ 50$^s$ | | 12 | | | | 7 | |
| | | $eS_N$ | **6**$^h$ 0$^m$ 10$^s$ | | 8 | | | 5 | | |
| | | $eS_E$ | 13$^s$ | 7 | | | 0,5 | | | |
| | | | 1$^m$,5 | | 10 | | | | 13 | |
| | | eL | 33$^m$ | | | | | | | |
| | | | 35$^m$,3 | | 30 | | | | 59 | |
| | | $M_1$ | 37$^m$ | 35 | 35 | 38 | 45 | 63 | 125 | |
| | | $M_2$ | 44$^m$ | 22 | 22 | 23 | 18 | 32 | 68 | Von 42$^m$ ab regelmäßige Schwebungen. |
| | | $M_3$ | 51$^m$ | 22 | 18 | 20 | 20 | 26 | 50 | |
| | | C | | | 13—18 | | | | | |
| | | F | **9**$^h$,**0** | | | | | | | |

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| April | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 10. | Iu | iP | **18h 23m 33s** | | 3 | 3 | | 0,5 | 3 | = $eP_N$. In E-W nur angedeutet. |
| | | $eS_E$ | 33m 22s | 4 | | | 0,5 | | | In N-S nur angedeutet. |
| | | $eS_V$ | 28s | | | | | | | Aus Japan gemeldet. |
| | | | 37s | | | 8 | | | 0,5 | |
| | | eL | 51m | | | | | | | |
| | | | 54m | 24 | | 30 | 6 | | 10 | Bei 55m Einsatz eines neuen Bebens, welches im V sofort das Ende verdeckt. |
| | | $M_N$? | 57m | | 20 | | | 13 | | |
| | | $M_E$? | 58m | 16 | | | 16 | | | |
| | | $F_W$ | | | | | | | | Durch das folgende Beben vernichtet. |
| 10. | IIu | $i_1P_V$ | **18h 55m 12s** | 1 | 1 | 2 | 0,5 | 0,5 | 2 | = $eP_{EN}$. Einsatz in W dem vorhergehenden Beben überlagert. |
| | | $i_2v$ | 29s | | | 8 | | | 5 | |
| | | $iPR_V$ | 57m,0 | | | 8 | | | 3,5 | Fällt in die Minutenmarke. |
| | | $iS_{EN}$ | **19h 1m 57s** | 12 | 12 | | 9 | 12 | | Aus Japan gemeldet. |
| | | $iS_V$ | 2m 0s | | | 9 | | | 7 | |
| | | $SR_V$ | 5m 11s | | | 10 | | | 8 | |
| | | $SR_E$ | 21s | 12 | | | 9 | | | |
| | | $SR_N$ | 25s | | 12 | | | 5 | | |
| | | eL | 7m | 41 | | | 155 | | | |
| | | | 12m | | | 28 | | | 84 | |
| | | $M_{EN}$ | 13m | 22 | 22 | | 113 | 43 | | |
| | | $M_V$ | 15m | | | 20 | | | 84 | |
| | | $M_{2NV}$ | 19m | | 11 | 12 | | 24 | 45 | |
| | | | 20m | | | 11 | | | 43 | |
| | | | 38m | | | 11 | | | 9 | |
| | | C | | 12–14 | | | | | | |
| | | F | | | | | | | | Geht in das folgende Beben über. |
| 10. | IIu | $eP_N$ | **19h 46m 32s** | | 7 | 8 | | 1 | 6 | = $iP_V$. In W von Wellen T = 0,5 überlagert. |
| | | $eP_E$ | 40s | | | | | | | |
| | | $iS_N$ | 56m 8s | 10 | 11 | | 0,4 | 7 | | = $eS_E$. Einsatz dem vorhergehenden Beben überlagert. |
| | | i?$S_V$ | 10s | | | 11 | | | 5 | |
| | | MS | **20h 1m,8** | | | 27 | | | 38 | |
| | | eL | 9m | | | | | | | |
| | | | 12m | | | 53 | | | 70 | |
| | | | 13m | 34 | 34 | | 48 | 40 | | |
| | | $M_E$ | 17m | 23 | 23 | | 124 | 31 | | |
| | | $M_V$ | 18m | | | 21 | | | 172 | |
| | | $M_N$ | 20m | 18 | 18 | | 31 | 115 | | |
| | | | 23m | | 17 | 15 | | 111 | 110 | |
| | | | 25m | 14 | 14 | 11 | 25 | 74 | 64 | |
| | | | 36m | | | 15 | | | 38 | |
| | | C | | | 15 | | | | | |
| | | $F_W$ | **21h,8** | | | | | | | |
| | | $F_V$ | **23h,8** | | | | | | | |
| 11. | Ir | $eP_V$ | **4h 7m 46s** | | | 8 | | | 1 | In W nur eben angedeutet. |
| | | $eS_N$ | 14m | | 8 | | | 0,4 | | |
| | | $eS_V$ | 15m | | | 10 | | | 2 | |
| | | eL | 19m | | | 25 | | | 13 | |
| | | $M_{EN}$ | 20m | 25 | 25 | | 17 | 16 | | |
| | | $M_V$ | 22m | | | 18 | | | 15 | |



| April | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 11. | | | 25m | | | 11 | | | 7 | |
| | | C | | | | 10 | | | | |
| | | F | **5h,3** | | | | | | | |
| 11. | IIu | $iP_V$ | **14h 12m,0** | | | 2? | | | 3 | Fällt in die Minutenmarke. |
| | | $eS_E$ | 21m 33s | | | | | | | Sehr schwach, in N-S nur angedeutet. |
| | | $i_E$ | 48s | | | 10 | | | 2 | = $eS_V$. |
| | | eL | 38m | | | | | | | |
| | | $M_{EV}$ | 42m | 22 | 24 | 30 | 9 | 4 | 20 | |
| | | | 46m | 16 | 16 | | 7 | 5 | | |
| | | $M_N$ | 49m | | 18 | 15 | | 7 | 14 | |
| | | C | | | 11—15 | | | | | |
| | | $F_W$ | **15h,5** | | | | | | | |
| | | $F_V$ | **16h,3** | | | | | | | |
| 11. | I | | **20h** 5m | | | 10 | | | 0,6 | Einige wenige Wellen. |
| 11. | Iu | iP$_V$ | **20h** 6m 59s | | | 2 | | | 0,7 | |
| | | $eP_N$ | 7m,0 | | | | | | | Eben angedeutet, in E-W nichts zu sehen. |
| | | eL | 32m | | | | | | | |
| | | | 34m | | | 18 | | | 2 | |
| | | M? | 46m | | 14 | 12 | | 1 | 3 | |
| | | C | | | | 10 | | | | |
| | | F | **21h,6** | | | | | | | |
| 12. | Iu | $eP_V$ | **1h** 24m,0 | | | 7 | | | 0,5 | I Fällt in die Minutenmarke. |
| | | $eP_N$? | 25m,1 | | | | | | | I Sehr schwaches Beben; in E-W nur |
| | | $PR_V$ | 27m 41s | | | 7 | | | 0,6 | I das Hauptbeben sichtbar. |
| | | $PR_N$ | 28m 16s | 3 | | | | 0,5 | | I |
| | | eL | **2h** 11m | | | | | | | I |
| | Iu | $eP_N$ | 11m 24s | 3 | | | | 0,5 | | II Zweites dem ersten z. T. überlagertes |
| | | $iP_V$ | 26s | | | 3 | | | 2 | II Beben. In E-W ebenfalls schwächer |
| | | | 12m | | | 50 | | | 9 | I als in N-S. Die Zahlen in dieser |
| | | $eS_W$ | 21m 10s | 6 | 6 | | 0,5 | 0,5 | | II Rubrik geben die Zusammengehörigkeit der einzelnen Phasen an. |
| | | $M_{1V}$ | 23m | | 23 | 21 | | 11 | 14 | = $M_N$ I. |
| | | $M_{2V}$ | 30m | | 18 | 20 | | 3 | 12 | I Das Ende des ersten Bebens ist ver- |
| | | eL | 41m | | | | | | | II nichtet. |
| | | $M_{EN}$ | 42m | 25 | 25 | 25 | 2,5 | 2 | 5 | II |
| | | | 45m | | | 18 | | | 7 | II |
| | | $M_V$ | 50m | | 13 | 15 | | 2,5 | 16 | II |
| | | C | | 15 | 15 | 15 | | | | II |
| | | F | **4h,0** | | | | | | | II |
| 12. | I | eL | **8h** 53m | | | 38 | | | 9 | |
| | | | **9h** 1m | | | 20 | | | 2,5 | |
| | | F | **9h,3** | | | | | | | |
| 12. | | | **9h** bis | | | | | | | Pulsationen T = 40—60. |
| 13. | | | **21h** | | | | | | | Am 13. morgens besonders heftig. |
| 13. | I | e | **16h** 45m,5 | | | | | | | |
| | | | 46m | | | 9 | | | 2 | |
| | | M | 48m | | | 9 | | | 3 | |
| | | F | 50m | | | | | | | |

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| April | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 13. | I | eL | $23^h\,31^m$ | 19 | | 20 | 1 | | 4 | Sehr schwaches Beben; in N-S eben angedeutet. |
| | | M | $35^m$ | 22 | | 20 | 2 | | 9 | |
| | | | $36^m$ | | | 17 | | | 6 | |
| | | F | $23^h,8$ | | | | | | | |
| 14. | | | $16^h$ bis | | | | | | | Pulsationen T = ca. 60. |
| 15. | | | $14^h$ | | | | | | | |
| 14. | IIu | $i_1P$ | $20^h\ 6^m,0$ | 3 | 3 | 5 | 1,5 | 1,5 | 6 | I Fällt in die Minutenmarke. |
| | | $i_2$ | $6^m\ 33^s$ | 3 | 3 | 5 | 2 | 2 | 10 | I Zwei Beben. Die Zahlen in dies. Rubrik |
| | | iPR | $9^m\ 12^s$ | 4 | 4 | 5 | 0,5 | 2 | 4 | I geben die Zusammengehörigkeit an. |
| | | $iP_{EV}$ | $36^s$ | 3 | 3 | 5 | 2,5 | 0,5 | 4 | = $eP_N$ II. |
| | | eS | $16^m\ 16^s$ | 6 | 6 | 9 | 3,5 | 4 | 2,5 | = $i_1S_V$ II. |
| | | $i_{2V}$ | $50^s$ | | | 9 | | | 9 | II |
| | | eS | $21^m\ 36^s$ | 9 | 11 | | 1,6 | 2 | | I |
| | | eL | $27^m$ | | | | | | | II |
| | | | $28^m$ | | | 11 | | | 6,4 | II |
| | | | $35^m$ | | | 10 | | | 6 | II |
| | | | $37^m$ | 7 | 7 | | 4 | 15 | | II Von 38m bis 45m interferieren beide |
| | | $M_N$? | $38^m,5$ | | 7 | 10 | | 31 | 18 | II Beben in E-W vollständig. |
| | | eL | $44^m$ | | | | | | | I Das Ende des zweit. Beb. ist vernicht. |
| | | | $46^m$ | | 26 | 20 | | 41 | 71 | I |
| | | $M_{NV}$ | $47^m$ | | 20 | 20 | | 29 | 75 | I |
| | | C | | | 12—15 | | | | | I |
| | | F | $22^h,0$ | | | | | | | I |
| 17. | I | eL | $20^h\ 0^m$ | | | | | | | |
| | | | $3^m$ | | | 19 | | | 1 | |
| | | F | $20^h,4$ | | | | | | | |
| 18. | I | e | $0^h\,56^m$ | | | | | | | |
| | | | $1^h\ 2^m$ | | | 20 | | | 1 | |
| | | F | $10^m$ | | | | | | | |
| 20. | | | $11^h,7—23^h$ | | | | | | | Pulsationen T = 100—120. |
| 22. | I | e | $1^h\,23^m$ | | | | | | | Aus Barcis (Udine) gemeldet. |
| | | | $24^m$ | | | 16 | | | 2 | |
| | | | $31^m$ | | | 16 | | | 2,5 | |
| | | F | $1^h,7$ | | | | | | | |
| 23. | | | $11.^h5—17^h$ | | | | | | | Leichte Pulsationen |
| 23. | IIIr | iP | $17^h\,43^m\,54^s$ | 4 | 4 | 5 | 15 | 9 | 8 | Aus Lissabon gemeldet. |
| | | eS | $47^m\ 26^s$ | 9 | 9 | 11 | 4 | 4 | 8 | |
| | | eL | $49^m,3$ | | | | | | | |
| | | | $50^m,2$ | | | 10 | | | 54 | |
| | | $M_{EN}$ | $51^m,4$ | 9 | 9 | | 71 | 104 | | |
| | | $M_V$ | $52^m,4$ | 9 | 9 | 10 | 42 | 33 | 68 | |
| | | $M_{2N}$ | $54^m,8$ | | 9 | | | 35 | | |
| | | C | | | 9—10 | | | | | |
| | | $F_W$ | $18^h,6$ | | | | | | | |
| | | $F_V$ | $19^h,4$ | | | | | | | |



| April | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 25. | I | eL | $1^h\,45^m$ | | | | | | | |
| | | | $52^m$ | | | 20 | | | 3,5 | |
| | | | $56^m$ | | | 19 | | | 6,5 | |
| | | F | $2^h,4$ | | | | | | | |
| 25. | | | $3^h,7—14^h,5$ | | | | | | | Pulsationen T = 60—120. |
| 25. | Iu | $eP_V$ | $22^h\ 2^m\,41^s$ | | | 4 | | | 8 | I Zwei übereinandergelagerte Beben. Die |
| | | eL | $42^m$ | | | | | | | I Zahlen in dieser Rubrik geben die Zusammengehörigkeit an. |
| | Iu | $iP_V$ | $49^m\,45^s$ | | | 4 | | | 10 | II Dem ersten Beben übergelagert. |
| | | $M_{1EV}$ | $52^m$ | 25 | | 22 | 2,5 | | 10 | I |
| | | $M_{2V}$ | $57^m$ | | 18 | 20 | | 1 | 9 | = $M_N$ I. |
| | | $i?S_V$ | $23^h\ 3^m\,31^s$ | | | 11 | | | 2 | II Dem ersten Beben übergelagert. |
| | | $eL_{1V}$ | $29^m$ | | | | | | | II Das Ende d. ersten Beb. ist vernichtet. |
| | | $M_N$ | $30^m$ | | 27 | 30 | | 15 | 10 | II Auftreten regelmäßiger Schwebungen. |
| | | $M_{1EV}$ | $39^m$ | 21 | | 21 | 5 | | 21 | II |
| | | $M_{2V}$ | $42^m$ | | 18 | 20 | | 4 | 20 | II |
| | | $M_{3V}$ | $45^m$ | 17 | | 20 | 3 | | 16 | = $M_{2E}$ II. |
| | | C | | | 12—18 | | | | | II |
| 26. | | $F_W$ | $0^h,3$ | | | | | | | II |
| | | $eL_{2V}$ | $0^h\,43^m$ | | | | | | | II |
| | | | $45^m$ | | | 20 | | | 0,5 | II |
| | | M | $53^m$ | | | 20 | | | 2 | II |
| | | | $1^h\ 8^m$ | | | 20 | | | 1 | II |
| | | $F_V$ | $1^h,4$ | | | | | | | II |
| 26. | I | eL | $21^h\,32^m$ | | | | | | | |
| | | | $37^m$ | | | 20 | | | 1 | |
| | | F | $45^m$ | | | | | | | |
| 27. | | | $17^h,0$ bis | | | | | | | Pulsationen. |
| 28. | | | $1^h,5$ | | | | | | | |
| 27. | IIu | $eP_V$ | $12^h\,58^m\,11^h$ | | | 8 | | | 0,5 | |
| | | $eP_E$ | $59^m\ 6^s$ | 5 | | | 0,5 | | | Sehr schwach. |
| | | $PR_W$ | $13^h\ 2^m,9$ | 9 | 9 | | 0,4 | 0,4 | | Fällt in die Minutenmarke. |
| | | $iPR_V$ | $2^m\,55^s$ | | | 9 | | | 7 | |
| | | $eS_W$ | $12^m\,32^s$ | 19 | 18 | | 12 | 8 | | |
| | | $SR_E$ | $19^m\,11^s$ | 18 | | | 5 | | | |
| | | eL | $35^m$ | | | | | | | |
| | | | $40^m$ | 39 | 41 | 39 | 50 | 54 | 9 | |
| | | $M_{1V}$ | $43^m$ | | | 40 | | | 121 | |
| | | $M_{1EN}$ | $45^m$ | 21 | 21 | | 95 | 66 | | |
| | | | $46^m$ | | | 29 | | | 100 | |
| | | | $50^m$ | | | 22 | | | 93 | Auftreten regelmäßiger Schwebungen im |
| | | $M_2$ | $53^m$ | 23 | 21 | 20 | 74 | 67 | 141 | Vert. |
| | | | $14^h\ 3^m$ | 19 | 17 | 19 | 13 | 11 | 65 | |
| | | C | | | 15—18 | | | | | |
| | | F | $16^h,5$ | | | | | | | |

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**1909. Mai.**

| Mai | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 23. | Iu | eP | $10^h\,55^m\,59^s$ | | | 1,5 | | | 1 | |
| | | eL | $11^h\,29^m$ | | | | | | | |
| | | M | $37^m$ | | | 13 | | | 3,5 | |
| | | F | **$12^h$,1** | | | | | | | |
| 25. | I | eL | $4^h\,59^m$ | | | | | | | |
| | | M | $5^h\,4^m$ | | | 19 | | | 4 | |
| | | F | | | | | | | | Geht in das folgende Beben über. |
| 25. | Iu | eP | $5^h\,9^m\,18^s$ | | | 8 | | | 1 | |
| | | iS | $21^m\,0^s$ | | | 10 | | | 3,5 | |
| | | eL | $47^m$ | | | | | | | Von 35m—42m Zug langer Wellen eines fremden Bebens T = 19, $A\mu$ = ca. 4. |
| | | | $52^m$ | | | 42 | | | 16 | |
| | | | $55^m$ | | | 32 | | | 22 | Auftreten regelmäßiger Schwebung. in V. |
| | | M | $59^m$ | 23 | 23 | 21 | 9 | 8 | 37 | |
| | | C | | 20 | 20 | 20 | | | | |
| | | $F_W$ | **$6^h$,5** | | | | | | | |
| | | $F_V$ | **$7^h$,6** | | | | | | | |
| 26. | Iu | $eP_V$ | $2^h\,23^m\,12^s$ | | | 4 | | | 1 | |
| | | $eP_E$ | $16^s$ | 4 | | | 0,3 | | | |
| | | eL | $3^h\,0^m$ | | | | | | | |
| | | | $8^m$ | | | 32 | | | 34 | |
| | | M | $13^m$ | 21 | 21 | 21 | 4 | 5 | 39 | |
| | | C | | | | 18-20 | | | | |
| | | F | **$4^h$,8** | | | | | | | |
| 29. | I | eL | $18^h\,51^m$ | | | | | | | |
| | | | $55^m$ | | | 19 | | | 2 | |
| | | F | **$19^h$** $0^m$ | | | | | | | |
| 29. | I | eL | $20^h\,16^m$ | | | 18 | | | 0,7 | |
| | | | $25^m$ | | | 11 | | | 0,2 | |
| | | F | $32^m$ | | | | | | | |
| 30. | IIr | $iP_V$ | $6^h\,18^m\,16^s$ | 9 | | 9 | 1 | | 8 | = $eP_W$. |
| | | $eS_W$ | $21^m\,17^s$ | 9 | | | 1,2 | | | |
| | | $iS_V$ | $27^s$ | | | 9 | | | 7 | |
| | | $iL_V$ | $22^m\,26^s$ | | | | | | | |
| | | $iL_E$ | $38^s$ | | | | | | | |
| | | $eL_N$ | $22^m,9$ | | | | | | | |
| | | M | $24^m,6$ | 13 | 13 | 12 | 106 | 64 | 173 | |
| | | C | | | 7—13 | | | | | |
| | | F | **$7^h$,4** | | | | | | | |
| 30. | Iu | $eP_V$ | $21^h\,16^m\,0^s$ | | | 9 | | | 1,4 | |
| | | iPR | $20^m\,50^s$ | 8 | 8 | 9 | 0,3 | 0,2 | 8 | = $eP_W$. |
| | | $eS_V$ | $30^m\,7^s$ | | | 12 | | | 4 | |
| | | $eS_E$ | $17^s$ | 9 | | | 1 | | | |
| | | $eL_{1V}$ | $55^m$ | | | | | | | = $eL_W$. In W kein ausgeprägtes Maximum vorhanden. |
| | | $M_V$ | **$22^h$** $2^m$ | | | 45 | | | 23 | |
| | | | $8^m$ | | | 20 | | | 16 | |
| | | | $14^m$ | 18 | 18 | 18 | 1,3 | 0,6 | 16 | |
| | | | $18^m$ | 14 | 14 | 13 | 1,3 | 0,6 | 8 | Auftreten regelmäßiger Schwebung. in V. |
| | | $F_W$ | **$22^h$,7** | | | | | | | |
| | | $eL_2$ | **$23^h$** $5^m$ | | | | | | | |
| | | | $16^m$ | | | 20 | | | 4 | |
| | | C | | | | 13-15 | | | | |
| 31. | | $F_V$ | **$0^h$,2** | | | | | | | |
| 31. | I | | $5^h\,0^m$ | | | 20 | | | 0,4 | Einige wenige schwache Wellen. |

Buchdruckerei v. Ant. Kämpfe, Jena.

W. Pechau.



**1909. Mai.**

| Mai | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | e | $22^h\,52^m$ | | | 11 | | | 1 | |
| | | | $57^m$ | | | 14 | | | 2 | |
| | | F | **$23^h$** $7^m$ | | | | | | | |
| 2. | Iu | $iP_{NV}$ | $7^h\,16^m\,34^s$ | 3 | 3 | 5 | 0,3 | 1,4 | 11 | = $eP_E$. Sehr schwaches Beben. In E-W sind nur die Einsätze zu erkennen. |
| | | PR | $20^m\,3^s$ | | 4 | 5 | | 0,3 | 3 | |
| | | $eS_E$? | $31^m,1$ | | | | | | | |
| | | eL | $8^h\,1^m$ | | | | | | | |
| | | $M_{1V}$ | $8^m$ | | | 40 | | | 18 | |
| | | $M_{1N}$ | $14^m$ | 30 | | | | 2 | | |
| | | $M_{2V}$ | $15^m$ | | | 30 | | | 20 | |
| | | $M_{2N}$ | $20^m$ | 26 | | 20 | | 1,4 | 8 | |
| | | C | | | | 10 15 | | | | |
| | | F | **$9^h$,2** | | | | | | | |
| 2. | Iu | $eP_N$ | **$18^h$** $29^m,9$ | | | | | | | Fällt in die Minutenmarke. Sehr schwache Zahnung. |
| | | $iP_V$ | $30^m\,53^s$ | | | 4 | | | 2 | In E-W ist von dem Beben nichts zu sehen. |
| | | PR | $33^m\,52^s$ | | | 4 | | | 1 | |
| | | eS | $48^m\,18^s$ | | | 13 | | | 1,3 | |
| | | $eL_V$ | **$19^h$** $22^m$ | | | | | | | |
| | | $eL_N$ | $28^m$ | | | 34 | | | 10 | Auftreten regelmäßiger Schwebung. in V. |
| | | $M_V$ | $37^m$ | | | 21 | | | 13 | |
| | | | $38^m$ | 21 | | | | 1 | | |
| | | | $43^m$ | 15 | | | | 0,5 | | |
| | | C | | | | 18-20 | | | | |
| | | F | **$20^h$,5** | | | | | | | |
| 2. | I | | **$22^h$** $16^m$ | | | 10 | | | 0,2 | Einige wenige schwache Wellen. |
| 2. | I | e | **$22^h$** $46^m$ | | | 15 | | | 0,4 | Desgl. |
| | | F | $52^m$ | | | | | | | |
| 2. | I | e | **$23^h$** $10^m$ | | | 20 | | | 0,4 | Desgl. |
| | | F | $19^m$ | | | | | | | |
| 3. | Iu | eP | **$0^h$** $15^m\,10^s$ | | | 4 | | | 1 | |
| | | eL | $38^m$ | | | | | | | |
| | | | $42^m$ | | | 30 | | | 1 | |
| | | F | **$1^h$,0** | | | | | | | |
| 5. | Iu | iP | **$2^h$** $41^m\,14^s$ | | | 2 | | | 1 | |
| | | eL | **$3^h$** $9^m$ | | | | | | | |
| | | | $16^m$ | | | 20 | | | 2 | |
| | | F | **$3^h$,7** | | | | | | | |
| 6. | I | eL | **$3^h$** $25^m$ | | | | | | | |
| | | | $27^m$ | | | 20 | | | 3,4 | |
| | | F | **$3^h$,6** | | | | | | | |
| 8. | I | eL | **$1^h$** $55^m$ | | | | | | | |
| | | | **$2^h$** $0^m$ | | | 20 | | | 0,4 | |
| | | F | $9^m$ | | | | | | | |
| 8. | I | eL | **$11^h$,3** | | | | | | | Sehr schwaches, ganz in Verkehrsstörung gelegenes Beben. |
| | | | $28^m$ | | | 13 | | | 1 | |
| | | F | **$12^h$,1** | | | | | | | |

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| Mai | Char. | Phasen | Zeiten | T T T E-W N-S Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|
| 9. | I | | **2.$^h$9—3$^h$,0** | | | | | Sehr schwache Wellen. |
| 9. | I | e | **3$^h$** 16$^m$ | | | | | Wahrscheinlich Auftauchen der P. |
| | | eL | 4$^h$ 8$^m$ | | | | | |
| | | | 12$^m$ | 23 | | | 1 | |
| | | F | **5$^h$,0** | | | | | |
| 10. | Iu | eP | **20$^h$** 27$^m$ 40$^s$ | 8 | | | 0,5 | |
| | | eS | 37$^m$ 23$^s$ | 5 | | | 0,3 | |
| | | eL | 48$^m$ | 19 | | | 4 | |
| | | | **21$^h$** 2$^m$ | 20 | | | 3,4 | |
| | | C | | 15 | | | | |
| | | F | **22$^h$,0** | | | | | |
| 11. | I | eL | **4$^h$** 25$^m$ | | | | | |
| | | | 34$^m$ | 19 | | | 3 | |
| | | F | **4$^h$,7** | | | | | |
| 11. | Iu | eP | **13$^h$** 21$^m$,9 | 5 | | | 0,4 | Fällt in die Minutenmarke. |
| | | eL | **14$^h$** 10$^m$ | | | | | |
| | | M | 16$^m$ | 25 | | | 7 | |
| | | | 40$^m$ | 15 | | | 2 | |
| | | F | **15$^h$,4** | | | | | |
| 11. | I | eL | **16$^h$** 5$^m$ | | | | | Durch Verkehrsstörung beeinträchtigtes Beben. |
| | | | 9$^m$ | 15 | | | | |
| | | F | ? | | | | | |
| 11. | I | eL | **16$^h$** 34$^m$ | | | | | Desgl. |
| | | | 41$^m$ | 11 \| 11 | | 0,2 | |
| | | C | | 9-11 | | | | |
| | | F | **17$^h$,3** | | | | | |
| 12. | Iu | eP | **0$^h$** 22$^m$,4 | | | | | Im Vert. Ausfall der Registrierung. |
| | | $iS_E$ | 29$^m$,9 | 9 | 3 | | | Fällt in die Minutenmarke. |
| | | $eS_N$ | 30$^m$ 18$^s$ | 11 | | 2 | | |
| | | eL | 46$^m$ | | | | | |
| | | $M_E$ | 55$^m$ | 25 | 2 | | | |
| | | $M_S$ | 58$^m$ | 23 | | 1 | | |
| | | | **1$^h$** 7$^m$ | 19 | | 1 | | |
| | | | 8$^m$ | 19 | 1 | | | |
| | | F | **1$^h$,9** | | | | | |
| 12. | I | eL | **9$^h$** 50$^m$ | 20 | | | 0,4 | |
| | | F | **10$^h$,2** | | | | | |
| 13. | Iu | eP | **13$^h$** 50$^m$ 56$^s$ | 4 | | | 1,4 | |
| | | PR | 54$^m$ 31$^s$ | 4 | | | 1,2 | |
| | | eS | **14$^h$** 3$^m$ 3$^s$ | 9 | | | 1,3 | |
| | | eL | 22$^m$ | | | | | |
| | | | 26$^m$ | 22 | | | 5 | |
| | | | 32$^m$ | 19 | | | 6 | |
| | | C | | 15 | | | | |
| | | F | **15$^h$,3** | | | | | |
| 13. | | | **23$^h$,6—23$^h$,7** | | | | | Sehr schwache Wellen. |
| 14. | I | e | **0$^h$** 58$^m$ | | | | | |
| | | M? | **1$^h$** 9$^m$ | 29 | | | 1 | |
| | | F | **1$^h$,5** | | | | | |



| Mai | Char. | Phasen | Zeiten | T T T E-W N-S Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|
| 16. | I | e | **4$^h$** 50$^m$ | | | | | | |
| | | | 52$^m$ | 20 | | | 0,4 | | |
| | | M? | 55$^m$ | 18 | | | 1,6 | | |
| | | F | **5$^h$,1** | | | | | | |
| 17. | IIu | $i_1P_V$ | **8$^h$** 16$^m$ 1$^s$ | 7 | | | 1 | I | Wahrscheinlich zwei Beben, die entsprechend den Zahlen in dieser Rubrik zusammengehören dürften. Die Amphitenden der $=e_{N.\,I}$ S des ersten Bebens dürften ausnahmslos zu groß sein, da selbe z. T. in das Maximum des zweiten Bebens fallen und eine genaue Auflösung unmöglich war. Das Ende des zweiten Bebens ist verdeckt. |
| | | $eP_{EN}$ | 5$^s$ | 7 \| 7 \| | 0,3 | 0,2 | | I | |
| | | $i_{2V}$ | 17$^m$ 3$^s$ | 8 | | | 9 | I | |
| | | $i_E$ | 6$^s$ | 7 \| 7 \| | 1,6 | 0,5 | | II | |
| | IIr | $iP_V$ | 20$^m$ 4$^s$ | 4 \| 4 \| 3 | 3 | | 5 | II | |
| | | PR | 21$^m$ 1$^s$ | 7 \| 7 \| 8 | 5 | 2,5 | 11 | I | |
| | | eS | 23$^m$ 59$^s$ | 9 \| 9 | 2,5 | | 6,5 | II | |
| | | $i_1S$ | 26$^m$ 26$^s$ | 13 \| 13 \| 11 | 67 | 13 | 14 | I | |
| | | eL | 27$^m$ | | | | | II | |
| | | $i_2S_N$ | 27$^m$ 14$^s$ | 13 | | 19 | | I | |
| | | $i_2S_E$ | 28$^m$ 17$^s$ | 10 | 42 | | | I | |
| | | $i_2S_V$ | 40$^s$ | 11 | | | 34 | I | |
| | | $M_E$ | 29$^m$,6 | 24 | 59 | | | II | |
| | | $SR_V$ | 33$^m$ 14$^s$ | 11 | | | 18 | I | |
| | | $SR_E$ | 34$^m$ 4$^s$ | 13 | 18 | | | I | |
| | | eL | 40$^m$ | 32 | | | 131 | I | |
| | | | 44$^m$ | 23 \| 20 | 35 | 46 | | I | |
| | | $M_{NV}$ | 45$^m$ | 27 \| 30 | | 54 | 127 | I | |
| | | $M_E$ | 55$^m$ | 28 19 | 61 | | 70 | I | Auftreten regelmäßiger Schwebungen in V. |
| | | C | | 15—18 | | | | I | |
| | | $F_W$ | **10$^h$,7** | | | | | I | |
| | | F | **12$^h$,2** | | | | | I | |
| 17. | | | **11$^h$,5—22$^h$,0** | | | | | | Leichte Pulsationen T = ca. 50—60. |
| 18. | I | eL | **17$^h$** 22$^m$ | | | | | | $eP_V$ vielleicht bei **16$^h$** 57$^m$,5. |
| | | | 26$^m$ | 25 \| 25 | 2 | 3 | | | |
| | | | 27$^m$ | 23 | | | 6 | | |
| | | | 34$^m$ | 16 \| 19 | | 0,5 | 7 | | |
| | | C | | 10—12 | | | | | |
| | | F | **18$^h$,6** | | | | | | |
| 18. | I | eL | **18$^h$** 52$^m$ | | | | | | In E-W eben angedeutetes Beben. |
| | | | 53$^m$ | 20 \| 20 | | 1 | 9 | | |
| | | | **19$^h$** 0$^m$ | 16 \| 17 | | | 4 | | |
| | | C | | 15 | | | | | |
| | | F | **19$^h$,8** | | | | | | |
| 19. | I | e | **11$^h$** 45$^m$ | | | | | | |
| | | | 46$^m$ | 18 | | | 1 | | |
| | | F | 48$^m$ | | | | | | |
| 20. | I | e | **22$^h$** 22$^m$ | | | | | | Mi. B. durch Beben gestört. |
| | | F | 25$^m$ | | | | | | |
| 23. | Iu | eP | **5$^h$** 44$^m$ 10$^s$ | 4 | | | 0,4 | | |
| | | PR? | 47$^m$ 58$^s$ | 8 | | | 0,5 | | |
| | | eS | 56$^m$ 20$^s$ | 8 | | | 0,6 | | |
| | | eL | **6$^h$** 15$^m$ | | | | | | |
| | | | 19$^m$ | 25 | | | 7 | | |
| | | | 30$^m$ | 18 | | | 5 | | |
| | | C | | 10-15 | | | | | |
| | | F | **7$^h$,5** | | | | | | |

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## 1909. Juni.

| Juni | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 3. | I | eL | $6^h\,20^m$ | | | | | | | |
| | | | $25^m$ | | | 12 | | | 1,3 | |
| | | F | $6^h,7$ | | | | | | | |
| 3. | IIu | $iP_V$ | $18^h\,53^m\,44^s$ | | | 4 | | | 5 | Aus Korintje (Padang, Sumatra) gemeldet. |
| | | $eP_E$ | $49^s$ | 4 | | | 0,5 | | | |
| | | $eP_N$ | $51^s$ | | 3 | | | 0,4 | | |
| | | $PR_V$ | $19^h\ 0^m\ 5^s$ | | | | | | | |
| | | iS | $4^m\,50^s$ | 6 | 7 | 9 | 18 | 26 | 9 | |
| | | $SR_V$ | $10^m\,55^s$ | | | 9 | | | 8 | |
| | | $eL_{1N}$ | $20^m$ | | | | | | | |
| | | $eL_{1E}$ | $23^m$ | | | | | | | |
| | | $eL_{1V}$ | $25^m$ | | 39 | 31 | | 114 | 105 | |
| | | | $28^m$ | 30 | | | 96 | | | |
| | | $M_{1NV}$ | $30^m$ | | 28 | 29 | | 138 | 207 | |
| | | $M_{2S}$ | $36^m$ | | 19 | | | 143 | | |
| | | $M_{2V}$ | $40^m$ | 19 | 17 | 21 | 120 | 67 | 245 | = $M_{1E}$. Auftreten regelmäßiger Schwebungen im Vert. |
| | | $i_N$ | $41^m,2$ | | 14 | | | 72 | | |
| | | $M_{3V}$ | $50^m$ | | | 18 | | | 277 | |
| | | $eL_2$ | $21^h\ 2^m$ | | | | | | | 1. Wiederkehr des Bebens. |
| | | $M_V$ | $6^m$ | | | 22 | | | 18 | |
| | | $M_E$ | $10^m$ | 14 | | 17 | 3 | | 13 | |
| | | $F_W$ | $21^h,7$ | | | | | | | |
| | | $eL_{3V}$ | $22^h\,35^m$ | | | | | | | 2. Wiederkehr des Bebens. |
| | | $M_V$? | $43^m$ | | | 12 | | | 0,6 | |
| | | $eL_{4V}$ | $23^h\,30^m$ | | | 12 | | | 1 | 3. Wiederkehr des Bebens. |
| | | M | $37^m$ | | | 12 | | | 1,3 | |
| | | C | | | | 12 | | | | |
| 4. | | F | $0^h,0$ | | | | | | | |
| 5. | Iu | i? P | $21^h\,33^m\,11^s$ | | | 5 | | | 0,8 | |
| | | eL | $52^m$ | | | | | | | Ausgeprägtes Maximum nicht vorhanden. |
| | | F | $22^h,5$ | | | | | | | |
| 6. | Iu | $eP_V$ | $5^h\ 8^m\,33^s$ | | | 9 | | | 0,6 | In W nur das Hauptbeben eben sichtbar. |
| | | $PR_V$ | $12^m\,48^s$ | | | 9 | | | 1 | |
| | | i? | $19^m\,12^s$ | | | 7 | | | 0,7 | |
| | | eS | $21^m,7$ | | | 12 | | | 1,3 | Wegen Eisenbahnstörung unsicher. |
| | | eL | $47^m$ | | | | | | | |
| | | | $57^m$ | | | 23 | | | 8 | |
| | | $M_{VE}$ | $6^h\ 0^m$ | 15 | | 15 | 2 | | 9 | |
| | | C | | | | 15 | | | | |
| | | $F_W$ | $6^h,3$ | | | | | | | |
| | | $F_V$ | $7^h,6$ | | | | | | | |
| 6. | I | e | $9^h,7$ | | | | | | | Im Vert. einige schwache Wellen. |
| | | F | $9^h,8$ | | | | | | | |
| 7. | II | $iP_V$ | $16^h\ 1^m\,56^s$ | | | 7 | | | 5,2 | Wegen Verkehrsstörung können keine weiteren Phasen angegeben werden. |
| | | $iP_W$ | $59^s$ | 2 | 2 | | 0,3 | 0,3 | | |
| | | F | ? | | | | | | | |
| 7. | I | eL | $21^h,0$ | | | 20 | | | 1,3 | Drei zusammenhangslose? Wellengruppen. |
| | | M? | $8^m$ | | | 25 | | | 2,7 | |
| | | | $47^m$ | | | 20 | | | 1,7 | |
| | | F | $22^h,1$ | | | | | | | |

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| Juni | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 8. | I | e | $2^h\ 9^m$ | | | | | | | |
| | | | $10^m$ | | | 20 | | | 0,9 | |
| | | F | $17^m$ | | | | | | | |
| 8. | IIu | $eP_V$ | $6^h\ 0^m\ 37^s$ | | | 8 | | | 2 | Aus Copiapo (N. Chile) gemeldet. |
| | | $eP_E$ | $49^s$ | 4 | | | 0,3 | | | In N-S nichts zu sehen. |
| | | PR | $5^m\ 2^s$ | 4 | | 8 | 0,3 | | 2,5 | In N-S eben angedeutet. |
| | | $eS_{EV}$ | $11^m\ 5^s$ | | | | | | | In N-S nur angedeutet. |
| | | $MS_{NE}$ | $15^m$ | 18 | 18 | | 29 | 4 | | |
| | | $MS_V$ | $16^m$ | | | 27 | | | 63 | |
| | | eL | $28^m$ | | | | | | | |
| | | $M_N$ | $36^m$ | | 46 | | | 102 | | |
| | | | $37^m$ | | | 41 | | | 167 | Auftreten regelmäßiger Schwebungen. |
| | | | $38^m$ | 41 | | | 100 | | | |
| | | $M_{1V}$ | $39^m$ | | | 38 | | | 641 | |
| | | $M_{1E}$ | $42^m$ | 29 | 27 | | 160 | 62 | | |
| | | $M_{2EV}$ | $44^m$ | 23 | 22 | 22 | 307 | 19 | 516 | |
| | | $M_{3EV}$ | $49^m$ | 19 | | 19 | 147 | | 245 | |
| | | C | | 16—19 | | | | | | |
| | | $F_N$ | $\mathbf{7^h,9}$ | | | | | | | |
| | | $F_E$ | $\mathbf{8^h,5}$ | | | | | | | |
| | | $F_V$ | $\mathbf{10^h,0}$ | | | | | | | |
| 9. | Iu | $iP_V$ | $0^h\ 41^m\ 33^s$ | | | 11 | | | 1 | In W sehr schwaches Beben; in N-S nur angedeutet. |
| | | PR | $45^m\ 53^s$ | | | 9 | | | 1 | |
| | | $eS_{EV}$ | $55^m\ 16^s$ | | | 16 | | | 3 | |
| | | eL | $1^h\ 19^m$ | | | | | | | |
| | | | $22^m$ | | | 31 | | | 23 | Auftreten regelmäßiger Schwebungen im Vert. |
| | | $M_E$ | $25^m$ | 26 | | | 8 | | | |
| | | $M_V$ | $26^m$ | | | 25 | | | 47 | |
| | | | $30^m$ | 19 | 18 | 21 | 7 | 0,6 | 33 | |
| | | C | | 12—18 | | | | | | |
| | | $F_W$ | $\mathbf{2^h,0}$ | | | | | | | |
| | | $F_V$ | $\mathbf{3^h,6}$ | | | | | | | |
| 10. | I | eL | $8^h\ 33^m$ | | | | | | | Ganz in Verkehrsstörung gelegen. |
| | | | $35^m$ | | | 20 | | | 2 | |
| | | F | $\mathbf{9^h,0}$ | | | | | | | |
| 11. | IIr | eP | $\mathbf{20^h}\ 8^m\ 9^s$ | 2 | 2 | | 0,3 | 0,3 | | Vert. schon bei $7^m,6$. Das Diagramm des ungedämpften Vertikalapparates ist zum Teil überdeckt. $= M_E$. |
| | | eS | $9^m\ 36^s$ | 7 | 7 | 12 | 1,3 | 1,8 | | |
| | | iL | $10^m\ 13^s$ | 12 | 12 | | 82 | 19 | | |
| | | $M_S$ | $10^m,8$ | | 10 | | | 48 | | Aus der Provence (Süd-Frankr.) gemeld. |
| | | C | | 4—6 | | | | | | |
| | | $F_W$ | $\mathbf{20^h,6}$ | | | | | | | $F_V$ geht in das folgende Beben über. |
| 11. | II | $iP_V$ | $\mathbf{20^h}\ 40^m\ 9^s$ | | | 6 | | | | Aus der Provence gemeldet. |
| | | $e_W$ | $41^m,2$ | 2 | 2 | | 0,3 | 0,3 | | |
| | | F | $\mathbf{20^h\ 9}$ | | | | | | | |
| 12. | Iu | $eP_V$ | $\mathbf{20^h}\ 41^m\ 1^s$ | | | 6 | | | | Sehr schwaches, in N-S meist nur eben angedeutetes Beben. |
| | | $eP_E$ | $41^m,2$ | | | | | | | |
| | | $PR_V$ | $45^m\ 14^s$ | | | 7 | | | | Vertikalapparat nur schwach gedämpft. |
| | | $eS_V$ | $\mathbf{21^h}\ 0^m$ | | | | | | | |
| | | eL | $35^m$ | | | 53 | | | ca. 30 | $= M_V$? |
| | | | $38^m$ | 30 | | | 6 | | | |
| | | $M_E$ | $45^m$ | 23 | | | 6 | | | |



| Juni | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 12. | | | $55^m$ | 19 | | 19 | 3,3 | | ca. 10 | |
| | | C | | 12—15 | | | | | | |
| | | F | $\mathbf{23^h,3}$ | | | | | | | |
| 15. | IIr | eP | $\mathbf{23^h}\ 34^m\ 2^s$ | 3 | 2 | | 0,3 | 0,3 | | Einsatz in Vert. verdeckt. |
| | | $eS_V$ | $36^m,7$ | | | 5 | | | 2,6 | |
| | | $eS_W$ | $37^m\ 7^s$ | 8 | | | 0,3 | | | |
| | | $eL_E$ | $38^m\ 11^s$ | 13 | | | 12 | | | $= M_E$. |
| | | $eL_N$ | $13^s$ | | 9 | | | 2 | | |
| | | iL | $38^m,7$ | | | 11 | | | 60 | $= M_V$. |
| | | $M_N$ | $39^m,7$ | | 13 | | | 19 | | |
| | | C | | | 5—10 | | | | | |
| | | F | $\mathbf{23^h,9}$ | | | | | | | |
| 16. | I | eL | $\mathbf{17^h}\ 31^m$ | | | | | | | |
| | | | $41^m$ | | | 10 | | | 0,9 | |
| | | F | | | | | | | | Geht in das folgende Beben über. |
| 16. | Iu | $i_1P_V$ | $\mathbf{17^h}\ 47^m\ 50^s$ | | | 3 | | | 3,4 | |
| | | $eP_W$ | $54^s$ | 1 | 1 | | 0,3 | 0,3 | | Ganz feine Zahnung, sonst in W nichts weiter vorhanden. |
| | | $i_2v$ | $48^m\ 51^s$ | | | 4 | | | 1 | |
| | | eS | $\mathbf{18^h}\ 1^m\ 44^s$ | | | 8 | | | 0,9 | |
| | | eL | $22^m$ | | | | | | | Hauptbeben auch im Vert. nur angedeut. |
| | | F | $\mathbf{18^h,9}$ | | | | | | | |
| 18. | I | eL | $\mathbf{8^h}\ 22^m$ | | | | | | | Ganz in Verkehrsstörung gelegen. |
| | | | $30^m$ | | | 20 | | | 0,9 | |
| | | F? | $\mathbf{9^h,2}$ | | | | | | | |
| 18. | I | e | $\mathbf{22^h}\ 2^m$ | | | | | | | Sehr schwache Wellen im Vert. |
| | | F | $\mathbf{22^h,3}$ | | | | | | | |
| 19. | Ir | $eP_V$ | $\mathbf{17^h}\ 52^m\ 5^s$ | | | 5 | | | 0,4 | In W nur angedeutetes Beben. |
| | | eS? | $53^m\ 18^s$ | | | 7 | | | 0,8 | |
| | | $e_W$ | $53^m,7$ | 8 | 8 | | 0,6 | 0,2 | | |
| | | eL | $54^m\ 48^s$ | | | 12 | | | 4 | |
| | | M | $55^m,2$ | | | 11 | | | 5,6 | |
| | | C | | | | 6 | | | | |
| | | F | $\mathbf{18^h,4}$ | | | | | | | |
| 21. | I | eL | $\mathbf{6^h}\ 27^m$ | | | | | | | |
| | | | $31^m$ | | | 11 | | | 1,1 | |
| | | F | $\mathbf{6^h,7}$ | | | | | | | |
| 21. | Ir | eP? | $\mathbf{19^h}\ 19^m,2$ | | | | | | | |
| | | eL | $27^m,9$ | | | | | | | |
| | | M | $30^m$ | | | 11 | | | 0,9 | |
| | | F | $\mathbf{19^h,8}$ | | | | | | | |
| 22. | Iu | $eP_V$ | $\mathbf{13^h}\ 18^m\ 28^s$ | | | 7 | | | 0,8 | In W schwaches (in N-S nur angedeutetes) Beben. |
| | | S? | $30^m$ | | | 10 | | | 1,7 | |
| | | eL | $54^m$ | | | | | | | |
| | | | $58^m$ | | | 30 | | | 15 | |
| | | | $\mathbf{14^h}\ 0^m$ | 29 | | | 3 | | | |
| | | $M_{EV}$ | $1^m$ | 25 | | 26 | 9 | | 51 | |
| | | C | | 11—15 | | | | | | |
| | | F | $\mathbf{15^h,7}$ | | | | | | | |

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## 1909. Juni.

| Juni | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 22. | Ir | eP | $18^h\,46^m\,5^s$ | | | 4 | | | 0,6 | |
| | | eL | $55^m$ | | | | | | | |
| | | M? | $56^m$ | | | 15 | | | 4,5 | |
| | | F | $19^h,2$ | | | | | | | |
| 23. | I | eL | $2^h\,30^m$ | | | | | | | |
| | | | $38^m$ | | | 17 | | | 2 | |
| | | F | $3^h,4$ | | | | | | | |
| 23. | I | eL | $12^h\,50^m$ | | | | | | | |
| | | | $51^m$ | | | 17 | | | 1,5 | |
| | | F | $12^h,9$ | | | | | | | |
| 23. | I | e | $13^h\,22^m$ | | | | | | | |
| | | | $25^m$ | | | 10 | | | 1,1 | |
| | | F | $27^m$ | | | | | | | |
| 24. | I | eL | $0^h\,55^m$ | | | | | | | |
| | | | $1^h\,2^m$ | | | 11 | | | 0,8 | |
| | | F | $1^h,3$ | | | | | | | |
| 24. | I | eL | $13^h\,14^m$ | | | | | | | |
| | | | $16^m$ | | | 25 | | | 6 | |
| | | F | $13^h,9$ | | | | | | | |
| 25. | I | eL | $0^h\,40^m$ | | | | | | | |
| | | | $43^m$ | | | 18 | | | 0,3 | |
| | | F | $48^m$ | | | | | | | |
| 25. | I | eL | $3^h\,55^m$ | | | | | | | |
| | | M | $4^h\,0^m$ | | | 20 | | | 1,2 | |
| | | F | $4^h,4$ | | | | | | | |
| 25. | | e | $22^h\,55^m,1$ | | | | | | | Vielleicht der Einsatz eines sehr schwachen Bebens. |
| | | e | $23^h\,43^m$ | | | | | | | Vielleicht der Einsatz des Hauptbebens. |
| | | F? | $0^h,3$ | | | | | | | |
| 27. | Iu | $eP_V$ | $7^h\,34^m\,31^s$ | | | | | | | |
| | | $i_V$ | $37^m\,43^s$ | | | 9 | | | 4,8 | |
| | | $e_W$ | $38^m,4$ | 9 | 9 | | 0,5 | 0,3 | | |
| | | eL | $8^h\,17^m$ | | | | | | | |
| | | $M_{1V}$ | $29^m$ | | | 29 | | | 37 | |
| | | $M_N$ | $35^m$ | 18 | 22 | 21 | 7,5 | 4 | 26 | Auftreten regelmäßiger Schwebungen. |
| | | $M_{2V}$ | $38^m$ | 22 | 20 | 20 | 10 | 3,5 | 51 | $= M_E$. |
| | | C | | 13—16 | | | | | | |
| | | $F_W$ | $9^h,6$ | | | | | | | |
| | | $F_V$ | $11^h,2$ | | | | | | | |
| 27. | I | eL | $12^h\,55^m$ | | | | | | | |
| | | | $58^m$ | | | 20 | | | 0,4 | |
| | | F | $13^h,1$ | | | | | | | |
| 28. | Iu | eP | $15^h\,35^m\,8^s$ | | | 6 | | | 0,5 | Schwaches in Verkehrsstörung gelegenes Beben. |
| | | eL | $16^h\,27^m$ | | | | | | | |
| | | M? | $50^m$ | | | 20 | | | 0,9 | |
| | | F | $17^h,2$ | | | | | | | |

## 1909. Juni.

| Juni | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 29. | I | $e_V$ | $10^h\,5^m$ | | | | | | | Schwaches in Verkehrsstörung gelegenes Beben. |
| | | F | $10^m$ | | | | | | | |
| 30. | I | e | $0^h\,7,5$ | | | | | | | Im Vert. schwache Störung. |
| | | F | $9^m$ | | | | | | | |
| 30. | I | e | $2^h\,2^m\,25^s$ | | | 5 | | | 0,3 | Wahrscheinlich der zum folgenden Beben gehörige Einsatz. |
| | | F | $11^m$ | | | | | | | |
| 30. | I | eL | $3^h,1$ | | | | | | | Im Vert. eben angedeutetes Beben. |
| | | F | $3^h,4$ | | | | | | | |
| 30. | I | e | $21^h\,8^m$ | | | | | | | |
| | | | $10^m$ | | | 10 | | | 0,6 | |
| | | F | $15^m$ | | | | | | | |

## Nachtrag zu 1909 April 30.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30. | I | e | $9^h\,33^m$ | | | | | | | |
| | | M? | $34^m$ | | | 11 | | | 3 | Ganz in Verkehrsstörung gelegen. |
| | | F | $37^m$ | | | | | | | |

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.

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**1909. Juli.**

| Juli | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 31. | Iu | eP | $18^h\,57^m\,43^s$ | | 1 | 2 | | 0,3 | 3,3 | In E-W nur angedeutet. |
| | | $eS_V$ | $19^h\ 7^m\ 9^s$ | | | 9 | | | 0,9 | |
| | | eL | $24^m$ | | | | | | | |
| | | M | $29^m$ | 24 | 24 | 29 | 9 | 2,3 | 19 | |
| | | F | | | | | | | | Geht in das folgende Beben über. |
| 31. | Iu | $eP_E$ | $19^h\,31^m\,55^s$ | 5 | | 5 | 0,3 | | 4 | = $iP_V$; in N-S nur angedeutet. |
| | | $iPR_E$ | $35^m\,26^s$ | 5 | | 5 | 3 | | 10 | = $ePR_V$. Aus Acapulco (Mexiko) gemeldet. |
| | | $eS_E$ | $42^m\,55^s$ | 8 | | | 2,4 | | | |
| | | $eS_V$ | $43^m\ 2^s$ | | | 18 | | | 16,6 | |
| | | $eS_N$ | $6^s$ | | 8 | | | 0,4 | | |
| | | $SR_{1E}$ | $49^m\ 0^s$ | 23 | | | 14 | | | |
| | | $SR_{1V}$ | $31^s$ | | | 19 | | | 15 | |
| | | $SR_{2E}$ | $52^m\,50^s$ | 24 | | | 8 | | | |
| | | $eL_1$ | $20^h\ 2^m$ | | | 44 | | | 108 | |
| | | | $5^m$ | 30 | | | 21 | | | |
| | | | $6^m$ | | | 30 | | | 89 | |
| | | $M_1$ | $12^m$ | 22 | 20 | 22 | 44 | 16 | 121 | |
| | | $M_2$ | $15^m$ | 22 | 19 | 18 | 34 | 20 | 100 | |
| | | $M_3$ | $18^m$ | 16 | | 19 | 22 | | 68 | |
| | | C | | 15—18 | | | | | | |
| | | $eL_{2V}$ | $22^h,2$ | | | | | | | |
| | | $eL_{3V}$ | $23^h\ 15^m$ | | | | | | | |
| | | $F_V$ | $23^h,8$ | | | | | | | $F_W$ bei $21^h,5$. |

## Berichtigung zu 1909 Mai 17.

Unter den Bemerkungen lies Amplituden statt Amphitenden.

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.



**1909. Juli.**

| Juli | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | e | $6^h\,33^m$ | | | | | | | In Verkehrsstörung gelegen. |
| | | | $35^m$ | | | 9 | | | 0,7 | Aus Messina gemeldet. |
| | | F | $6^h,7$ | | | | | | | |
| 1. | I | e | $13^h\,14^m$ | | | | | | | In Verkehrsstörung gelegen. |
| | | M | $15^m,1$ | | | 8 | | | 1,5 | |
| | | F | $13^h,4$ | | | | | | | |
| 1. | I | eL | $18^h\,14^m$ | | | | | | | Desgl. |
| | | | $20^m$ | | | 20 | | | 0,4 | |
| | | C | | | | 12-15 | | | | |
| | | F | $19^h,0$ | | | | | | | |
| 2. | I | eL | $7^h\,34^m$ | | | | | | | Desgl. |
| | | | $36^m$ | | | 20 | | | 1,6 | |
| | | M? | $42^m$ | | | 20 | | | 3,3 | |
| | | F | $8^h,5$ | | | | | | | |
| 2. | Iu | $eP_W$ | $21^h\ 6^m\,49^s$ | 3 | 3 | | 0,3 | 0,3 | | Weitere Phasen im Diagramm von W nur angedeutet. |
| | | $iP_V$ | $51^s$ | | | 4 | | | 2,4 | |
| | | $iPR_V$ | $9^m\,57^s$ | | | 4 | | | 0,5 | |
| | | eS? | $17^m\ 1^s$ | | | 7 | | | 0,4 | |
| | | eL | $39^m$ | | | | | | | |
| | | $M_1$ | $48^m$ | | | 15 | | | 3,3 | |
| | | $M_2$ | $53^m$ | | | 10 | | | 1,5 | |
| | | C | | | | 8-10 | | | | |
| | | F | $22^h,7$ | | | | | | | |
| 2. | | | $23^h,3$—$23^h,4$ | | | | | | | Die Mi. B. scheint gestört zu sein. Rückkehr des vorhergehenden Bebens? |
| 3. | I | eL | $1^h\,45^m$ | | | | | | | |
| | | | $46^m$ | | | 11 | | | 0,1 | |
| | | F | $2^h,1$ | | | | | | | |
| 3. | I | eL | $3^h\,42^m$ | | | | | | | |
| | | M | $46^m$ | | | 20 | | | 2 | |
| | | F | $3^h,8$ | | | | | | | |
| 3. | I | eL | $6^h\,54^m$ | | | | | | | In Verkehrsstörung gelegen. |
| | | M? | $7^h\ 2^m$ | | | 19 | | | 5 | |
| | | F | $7^h,4$ | | | | | | | |
| 3. | I | eL | $19^h\,32^m$ | | | 18 | | | 3,3 | eP vielleicht bei $19^h\,22^m,9$. |
| | | F | $19^h,8$ | | | | | | | |
| 3. | Ir | eP | $19^h\,55^m\,13^s$ | | | 8 | | | 0,5 | Das Beben ist in N-S eben sichtbar. |
| | | eL | $20^h\ 0^m$ | | | | | | | |
| | | $M_E$ | $1^m,5$ | 14 | | | 3 | | | |
| | | $M_{1V}$ | $2^m,3$ | | | 16 | | | 11 | |
| | | $M_{2V}$ | $2^m,8$ | | | 11 | | | 5,6 | |
| | | | $3^m,9$ | 10 | 10 | | 0,6 | 0,2 | | |
| | | | $4^m,5$ | | | 9 | | | 3,6 | Auftreten regelmäß. Schwebungen in V. |
| | | C | | | 8—10 | | | | | |
| | | $F_W$ | $20^h,3$ | | | | | | | In V durch das folgende Beb. verdeckt. |

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| Juli | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 3. | I | e | **20h 18m** | | | | | | | |
| | | | 20m | | | 10 | | | 1 | |
| | | F | **20h,7** | | | | | | | |
| 4. | | | **16h,4—16h,7** | | | | | | | Die Mi. B. scheint durch Beben gestört zu sein. |
| 5. | I | eL | **19h 20m** | | | | | | | |
| | | M | 40m | | | 18 | | | 1,3 | |
| | | F | **20h,0** | | | | | | | |
| 6. | I | e | **5h 55m** | | | | | | | In Verkehrsstörung gelegen. |
| | | | 57m | | | 9 | | | 0,8 | |
| | | F | ? | | | | | | | Verdeckt. |
| 6. | I | e | **11h 11m,0** | | | | | | | In Verkehrsstörung gelegen. |
| | | M | 22m | | | 12 | | | 1,8 | |
| | | F | **11h,7** | | | | | | | |
| 6. | I | e | **16h 36m,7** | | | | | | | Desgl. |
| | | M | 43m | | | 11 | | | 1,1 | |
| | | F | **16h,9** | | | | | | | |
| 6. | Ir | $ePv$ | **16h 57m 27s** | | | 5 | | | 0,6 | Durch Verkehrsstörung unsicher. |
| | | $eP_E$ | 42s | 3 | | | 0,3 | | | In N-S nichts zu sehen. |
| | | $eS_V$ | **17h 1m 5s** | | | 8 | | | 1 | $eS_W$ bei 2m 8s? |
| | | eL | 5m | | | | | | | |
| | | $M_{1V}$ | 7m,0 | | | 18 | | | 15 | |
| | | $M_W$ | 8m | 12 | 12 | | 1,6 | 1,4 | | |
| | | $M_{2V}$ | 9m | | | 12 | | | 7,3 | |
| | | C | | | 8—10 | | | | | |
| | | F | **18h,0** | | | | | | | |
| 6. | Ir | i? $P_V$ | **19h 19m 49s** | | | 3 | | | 1,1 | Beben in N-S sehr schwach. |
| | | $eP_E$ | 54s | | | | | | | |
| | | $eS_V$ | 23m 20s | | | 8 | | | 0,5 | |
| | | $eS_E$ | 38s | 4 | | | 0,5 | | | |
| | | eL | 26m | 18 | 16 | 20 | 5 | 0,7 | 6 | $= M_E$. |
| | | $M_{1V}$ | 28m | | | 13 | | | 6,4 | |
| | | $M_{2V}$ | 29m | | | 8 | | | 3 | |
| | | C | | | 8—10 | | | | | |
| | | F | **20h,0** | | | | | | | |
| 6. | I | e | **20h 55m** | | | | | | | |
| | | | 56m | | | 10 | | | 0,6 | |
| | | F | **21h 1m** | | | | | | | |
| 7. | | | **7h,0—13h,5** | | | | | | | Pulsationen. |
| 7. | I | eL | **11h 26m** | | | | | | | |
| | | | 30m | | | 28 | | | 6 | |
| | | | 49m | | | 19 | | | 1,7 | |
| | | F | **12h,1** | | | | | | | |
| 7. | IIr | $i_1P$ | **21h 45m 39s** | 8 | 6 | 8 | 66 | 13 | ca. 160 | Lichtpunkt verläßt in V das Blatt. |
| | | $i_{2EV}$ | 46m 52s | 8 | | 8 | 31 | | ca. 110 | Desgl. Ein zweiter Stoß vom selben Herd. Aus der Buchara gemeldet. |
| | | $i_{2N}$ | 54s | | 6 | | | 7 | | |



| Juli | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 7. | | $i_1PR_1$ | 47m 29s | 8 | | 8 | ca. 60 | | 48 | Fällt in die Minutenmarke. |
| | | $i_2PR_1$ | 48m 42s | 10 | 8 | 8 | 109 | 25 | 59 | |
| | | $i_1S_V$ | 50m 47s | | | 11 | | | 112 | |
| | | $i_2S_V$ | 51m 55s | 15 | 10 | 11 | 212 | 117 | 121 | $= i_1 S_{EN}$. |
| | | $i_2S_{EN}$ | 53m 15s | 15 | 18 | | 269 | 140 | | |
| | | $i_1SR_{1E}$ | 55m 20s | 10 | | | 162 | | | |
| | | $i_1SR_{1N}$ | 26s | | 11 | | | 108 | | |
| | | $i_1SR_{1V}$ | 45s | | | 12 | | | ca. 300 | Lichtpunkt verläßt in V das Blatt. |
| | | $i_2SR_{2V}$ | 56m 12s | | | 11 | | | 138 | |
| | | $i_2SR_{2E}$ | 20s | 16 | | | 233 | | | |
| | | $i_2SR_{2N}$ | 28s | | 12 | | | ca. 170 | | Fällt in die Minutenmarke. |
| | | $eL_{EN}$ | 58m,0 | | | | | | | Ausgeprägtes Maximum nicht vorhanden. |
| | | | **22h** 0m | | | 30 | | | ca. 2500 | Lichtpunkt verläßt in V das Blatt. } Von Wellen T = 10 überlagert. |
| | | | 1m,5 | 32 | 38 | | 678 | 1401 | | |
| | | C | | 10 | 10 | 10 | | | | |
| | | $eL_{2V}$ | **0h** 20m | | | | | | | $F_W$ bei **0h,5**. |
| | | M | 40m | | | 18 | | | 3,6 | |
| | | F | **2h,5** | | | | | | | |
| 9. | I | eL | **2h** 5m | | | | | | | |
| | | M | 9m | | | 15 | | | 2,2 | |
| | | F | **2h,4** | | | | | | | |
| 9. 10. | | | **18h,5** bis **6h,0** | | | | | | | Leichte Pulsationen T = ca. 70. |
| 9. | I | eL | **23h 39m** | | | | | | | Aus Messina gemeldet. |
| | | M | 44m | | | 13 | | | 1,5 | |
| | | F | **24h,0** | | | | | | | |
| 10. | I | e | **20h 59m 9s** | 4 | | | 0,3 | | | In N-S eben sichtbar. |
| | | $i_V$? | 11s | | | 5 | | | 0,8 | Aus Marseille gemeldet. |
| | | $M_V$ | **21h 0m** | | | 12 | | | 1,3 | |
| | | F | 4m | | | | | | | |
| 11. | I | eL | **11h 35m** | | | | | | | Sehr schwaches Beben. |
| | | F | **12h,0** | | | | | | | |
| 13. | Iu | iP $_V$ | **13h 24m 32s** | | | 4 | | | 3,4 | Beben in N-S nur angedeutet. |
| | | $eP_{EN}$ | 34s | 2 | 2 | | 0,3 | 0,3 | | |
| | | $i_V$ | 25m 59s | | | 7 | | | 2,4 | |
| | | $i_V$ | 27m 20s | | | 7 | | | 1,4 | |
| | | $i_V$ | 28m 45s | | | 8 | | | 2,6 | |
| | | $eS_{EN}$ | 33m 44s | 6 | 6 | | 0,5 | 0,2 | | |
| | | $eS_V$ | 34m 58s | | | 8 | | | 1,5 | |
| | | $i_E$ | 35m 28s | 8 | | | 3 | | | |
| | | eL | 44m | 12 | | | 1,3 | | | Ausgeprägtes Maximum nicht vorhanden. |
| | | C | | | 10—11 | | | | | |
| | | F | **15h** | | | | | | | |
| 15. | IIr | eP | **0h 38m 35s** | 3 | 3 | 3 | 0,3 | 0,3 | 1,4 | Aus Elis (Griechenland) gemeldet. |
| | | $eS_{SV}$ | 41m 37s | | 8 | 9 | | 0,2 | 1,7 | |
| | | $eS_E$ | 39s | 9 | | | 1,8 | | | |
| | | $eL_{EN}$ | 42m,5 | 32 | | | 22 | | | |
| | | $M_1$ | 43m,5 | 13 | 12 | | 27 | 8 | | |
| | | $M_{2E}$ | 44m,6 | 12 | | | 14 | | | |

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| Juli | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 15. | | $M_{2N}$ | 45m,0 | 15 | 15 | | | 17 | 106 | = $M_V$. |
| | | C | | 8—10 | | | | | | |
| | | F | **2h,5** | | | | | | | $F_W$ bei 1h,2 |
| 15. | I | eL | **21h** 12m | | | | | | | |
| | | M | 17m | | 13 | | | | 1,6 | |
| | | F | **21h,5** | | | | | | | |
| 17. | I | eL | 4h 32m | | | | | | | |
| | | | 34m | | 16 | | | | 1,4 | |
| | | F | **4h,9** | | | | | | | |
| 18. | I | eL | **25h** 58m | | | | | | | |
| 19. | | M | **0h** 0m | | 15 | | | | 3,8 | |
| | | F | **0h,3** | | | | | | | |
| 20. | I | eL | 0h 50m | | | | | | | |
| | | M | 53m | | 20 | | | | 0,8 | |
| | | F | **1h,3** | | | | | | | |
| 20. | I | i | **19h** 19m 6s | | 4 | | | | 1,3 | Ein Stoß! |
| 21. | I | eL | **0h** 55m | | | | | | | |
| | | | **1h** 9m | | 18 | | | | 2,7 | |
| | | F | **1h,9** | | | | | | | |
| 21. | I | eL | 4h 45m | | | | | | | |
| | | M? | 48m | | 25 | | | | 3,3 | |
| | | F | **5h,1** | | | | | | | |
| 22. | | | **10h,5—15h,2** | | | | | | | Leichte Pulsationen. |
| 22. | I | i?P | **23h** 20m 44s | | 1 | | | | 0,8 | |
| | | $eP_E$ | 47s | | | | 0,3 | | | Nur in E-W eben sichtbar. Weitere Phasen im Diagramm von W fehlen. |
| | | $i_V$ | 27m 16s | | 7 | | | | 0,8 | |
| | | M | 42m,1 | | 19 | | | | 3,4 | |
| 23. | | F | **0h,3** | | | | | | | |
| 23. | I | eL | **17h** 25m | | 17 | | | | 6 | = $M_V$. |
| | | F | **17h,6** | | | | | | | |
| 23. | I | eL | **17h** 52m | | | | | | | |
| | | M | 58m | | 20 | | | | 4,3 | |
| | | F | **18h,5** | | | | | | | |
| 23. | I | $e_N$ | **21h** 9m 38s | | 1,5 | | | | 0,3 | Aus Oberitalien gemeldet. |
| | | $e_E$ | 10m,4 | 1 | | 0,2 | | | | |
| | | $M_V$ | 11m,5 | | 7 | | | | 0,8 | |
| | | F | 19m | | | | | | | |
| 23. | I | eL | **21h** 59m | | 19 | | | | 1,1 | = $M_V$. |
| | | F | **22h** 2m | | | | | | | |
| 24. | I | eL | **5h** 56m | | | | | | | In Verkehrsstörung gelegen. |
| | | M? | 59m | | 18 | | | | 2,3 | |
| | | F | **6h,2** | | | | | | | |
| 25. | I | e | **8h** 5m 53s | | 8 | | | | 0,3 | Vielleicht eP. |
| | | | 15m | | 12 | | | | 0,7 | |
| | | eL | 35m | | | | | | | |



| Juli | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 25. | | M | 47m | | | 22 | | | 4,6 | |
| | | F | **9h,4** | | | | | | | |
| 26. | I | eL | **2h** 16m | | | | | | | Ein Zug schwacher Wellen in V. |
| | | F | 25m | | | | | | | |
| 26. | Iu | i?$P_{EN}$ | **11h** 3m 0s | 4 | 3 | 3 | 0,7 | 0,3 | 3,4 | = $iP_V$. |
| | | $PR_V$ | 5m 56s | | | 3 | | | 1,2 | |
| | | $eS_{EV}$ | 10m 28s | 16 | | 12 | 1 | | 2 | |
| | | $SR_{EV}$ | 14m 28s | 16 | | 12 | 0,3 | | 2,6 | |
| | | eL | 24m | | | 25 | | | 10 | |
| | | $M_1$ | 25m | 20 | 20 | 17 | 3 | 1,1 | 8 | |
| | | $M_{2V}$ | 31m | | | 17 | | | 10,3 | |
| | | C | | | | 10 | | | | |
| | | $F_V$ | **12h,8** | | | | | | | $F_W$ bei 11h,9. |
| 27. | Iu | eP | **15h** 49m,9 | | 8 | | | 0,2 | | $eP_V$ vielleicht schon bei 45m,3. |
| | | eL | 28m | | | | | | | |
| | | M | 32m | | | 20 | | | 16,7 | In Verkehrsstörung gelegenes Beben. |
| | | | 33m | 20 | 20 | | 1 | 0,6 | | |
| | | | 35m | 16 | | | 0,6 | | | |
| | | C | | | | 12 | | | | |
| | | $F_W$ | **16h,8** | | | | | | | |
| | | $F_V$ | **18h,2** | | | | | | | |
| 28. | I | L | **3h** 22m | | | | | | | Zug schwacher Wellen in V. |
| | | F | 31m | | | | | | | |
| 28. | | | **19h,1** bis | | | | | | | Pulsationen T = ca. 70. |
| 29. | | | **7h,5** | | | | | | | |
| 29. | I | eL | **13h,3** | | | | | | | In Verkehrsstörung gelegen. |
| | | M? | 23m | | | 22 | | | 2,6 | |
| | | F | **13h,7** | | | | | | | |
| 30. | IIu | $iP_{VE}$ | **11h** 4m 51s | 7 | 8 | 8 | 5 | 1,4 | 24 | = $eP_N$. Acapulco (Mexiko) zerstört. |
| | | $iPR_1$ | 8m 29s | 7 | 7 | 8 | 12 | 2 | 49 | In W fehlen die Minutenmarken, die Zeiten sind daher als mit V gleich angesehen worden. |
| | | $PR_{2EV}$ | 10m 33s | 7 | | 7 | 4 | | 7 | |
| | | $PR_{3N}$ | 12m 1s | | 7 | | | 0,7 | | |
| | | $eS_{EV}$ | 15m 57s | 19 | | 10 | 17 | | 19 | |
| | | $iS_N$ | 16m 19s | 11 | 7 | | 17 | 14 | | |
| | | $SR_1$ | 22m 57s | 24 | 22 | 10 | 43 | 10 | 52 | |
| | | $SR_2$ | 25m 26s | 24 | 20 | 7 | 13 | 8 | 6 | |
| | | $i_V$ | 31m 49s | | | 10 | | | 28 | |
| | | $eL_1$ | 34m | | | | | | | |
| | | $M_{1EN}$ | 37m | 36 | 40 | 25 | 94 | 70 | 131 | |
| | | $M_{1V}$ | 38m | | | 27 | | | 206 | |
| | | $M_{2EN}$ | 41m | 26 | 28 | | 97 | 42 | | |
| | | $M_{2V}$ | 45m | 23 | 22 | 21 | 165 | 33 | 312 | = $M_{3E}$. |
| | | $M_{3NV}$ | 48m | 20 | 18 | 18 | 82 | 70 | 275 | |
| | | $M_{4E}$ | 54m | 17 | | | 102 | | | |
| | | $M_{5V}$ | **12h** 3m | | | 18 | | | 245 | |
| | | $eL_{2V}$ | **13h** 21m | | | 20 | | | 22 | |
| | | $eL_3$ | **14h** 34m | | | | | | | |
| | | $F_V$ | **16h,9** | | | | | | | $F_W$ bei 14h,3. |

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## 1909. August.

| Aug. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 2. | Iu | $eP_V$ | $10^h\,28^m\,43^s$ | | | 5 | | | 1,1 | Im Diagramm von W nur in N-S von $10^h,9$—$11^h,1$ schwache Wellen. |
| | | $eL_V$ | $51^m$ | | | | | | | |
| | | $M_1$ | $58^m$ | | | 12 | | | 3 | |
| | | $M_2$ | $11^h\ 0^m$ | | | 9 | | | 2,7 | |
| | | C | | | | 8 | | | | |
| | | F | $11^h,6$ | | | | | | | |
| 2. | I | eL | $14^h\,51^m$ | | | | | | | Beben in N-S nur angedeutet. |
| | | | $53^m$ | 8 | 10 | | 0,3 | | 1,7 | Aus Badajos (Portugal) gemeldet. |
| | | | ab $15^h\,0^m$ | | | | | | | Durch Verkehrsstörung verdeckt. |
| 3. | | | $1^h,0$—$1^h,3$ | | | | | | | Ganz leichte Pulsationen. |
| 3. | | | $5^h,1$—$13^h,2$ | | | | | | | Leichte Pulsationen T = ca. 40 Sek. |
| 5. | I | e | $0^h\ 5^m$ | | | | | | | Soll in Brest gefühlt worden sein. |
| | | M | $8^m$ | | | 9 | | | 3 | |
| | | F | $18^m$ | | | | | | | |
| 5. | I | e | $0^h\,56^m$ | | | | | | | Schwache Störung der Mi. B. durch Beben. |
| | | F | $1^h\ 2^m$ | | | | | | | |
| 5. | I | e | $22^h\,16^m$ | | | | | | | |
| | | | $24^m$ | | | 20 | | | 0,5 | |
| | | F | $27^m$ | | | | | | | |
| 7. | Iu | eP | $17^h\ 8^m\,22^s$ | | | 4 | | | 1,6 | Im Diagramm von W nur eben angedeutetes Beben. |
| | | $PR_1$? | $10^m\,21^s$ | | | 8 | | | 3 | |
| | | $PR_2$? | $12^m\,21^s$ | | | 8 | | | 3 | |
| | | eL | $56^m$ | | | | | | | |
| | | | $59^m$ | | | 30 | | | 14 | Auftreten regelmäßiger Schwebungen. |
| | | | $18^h\ 8^m$ | | | 22 | | | 8 | |
| | | C | | | | 12 | | | | |
| | | F | $19^h,8$ | | | | | | | |
| 9. | I | eL | $12^h\,39^m$ | | | | | | | |
| | | | $40^m$ | | | 20 | | | 1,2 | |
| | | F | | | | | | | | Durch Verkehrsstörung unsicher. |
| 10. | I | e | $4^h\,53^m$ | | | | | | | Schwache Störung der Mi. B. durch Beben. |
| | | F | $5^h,1$ | | | | | | | |
| 10. | I | eL | $7^h\,49^m$ | | | | | | | |
| | | $M_1$ | $55^m$ | | | 40 | | | 4 | |
| | | | $8^h\,19^m$ | | | 15 | | | 0,5 | |
| | | $M_2$ | $9^h\ 7^m$ | | | 20 | | | 3 | |
| | | F | $9^h,3$ | | | | | | | |
| 10. | I | | $15^h,3$—$15^h,7$ | | | | | | | Eben angedeutetes Beben. |
| 11. | I | e | $12^h\,53^m$ | | | | | | | |
| | | M | $59^m$ | | | 19 | | | 4,5 | |
| | | F | $13^h,3$ | | | | | | | |
| 12. | I | e | $11^h\,49^m$ | | | | | | | |
| | | eL | $12^h\,16^m$ | | | | | | | |
| | | M | $24^m$ | | | 20 | | | 7 | |
| | | C | | | | 10 | | | | |
| | | F | $13^h,2$ | | | | | | | |

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| Aug. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 12. | | | **21h,8—22h,0** | | | | | | | Die Mi. B. scheint durch Beben gestört zu sein. |
| 13. | | | **3h,2—3h,3** | | | | | | | Desgl. |
| 13. | I | eP? | **7h** 28m 29s | | | 7 | | | 1,2 | |
| | | eL | 35m | | | | | | | |
| | | M | 38m | | | 18 | | | 6,7 | |
| | | F | 47m | | | | | | | |
| 13. | | | **8h—20h,5** | | | | | | | Pulsationen. T = ca. 40 Sek. |
| 14. | IIu | $iP_V$ | **6h** 43m 8s | | | 6 | | | 4,6 | Epizentrum am Biwa-See (Provinz Omi, Japan). |
| | | $eP_{EN}$ | 10s | 6 | 6 | | 0,3 | 0,2 | | |
| | | $PR_{NV}$ | 46m 19s | | 6 | 6 | | 0,2 | 1,6 | |
| | | eS | 53m 24s | 12 | 9 | 10 | 3 | 1,4 | 4,5 | |
| | | eL | **7h** 14m | | | | | | | |
| | | | 18m | 14 | 14 | 14 | 19 | 7 | 44 | |
| | | $M_N$ | 19m | 13 | 14 | | 30 | 17 | | = $M_{1E}$. |
| | | $M_{1V}$ | 21m | | | 15 | | | 54 | |
| | | $M_{2E}$ | 23m | 14 | | | 49 | | | |
| | | $M_{2V}$ | 24m | | | 12 | | | 92 | |
| | | $M_{3E}$ | 26m | 11 | | | 19 | | | |
| | | $M_{3V}$ | 27m | | | 10 | | | 32 | |
| | | C | | | 10—12 | | | | | |
| | | $F_W$ | **8h,4** | | | | | | | |
| | | $F_V$ | **9h,7** | | | | | | | |
| 15. | I | e | **5h** 44m | | | | | | | Wenige schwache Wellen. |
| | | | 48m | | | 15 | | | 0,2 | |
| | | F | **5h,9** | | | | | | | |
| 15. | | | **8h,0—17,h0** | | | | | | | Leichte Pulsationen. |
| 15. | I | e | **12h** 19m | | | | | | | Wenige schwache Wellen. |
| | | | 20m | | | 10 | | | 0,1 | |
| | | F | 24m | | | | | | | |
| 16. | IIu | eP | **7h** 11m 49s | 6 | | 7 | 0,3 | | 1,6 | Vorläufer in N-S nur angedeutet; Beben in N-S schwächer als in E-W. |
| | | $PR_V$ | 15m 34s | | | 7 | | | 2 | |
| | | $eS_W$ | 22m 43s | 16 | | | 3,7 | | | Aus Managua (Nicaragua) u. San-José (Costa-Rica) gemeldet. |
| | | $eS_V$ | 52s | | | 20 | | | 8,3 | |
| | | i | 24m 1s | 16 | | 15 | 4,8 | | 9 | |
| | | $SR_V$? | 28m 24s | | | 30 | | | 15 | |
| | | $SR_E$? | 42s | 28 | | | 22 | | | |
| | | eL | 35m | | | | | | | |
| | | $M_{1EN}$ | 45m | 22 | 22 | | 55 | 24 | | Auftreten regelmäßiger Schwebungen in allen drei Komponenten. |
| | | $M_{1V}$ | 46m | | | 20 | | | 113 | |
| | | $M_{2EV}$ | 57m | 16 | 16 | 17 | 22 | 1 | 65 | |
| | | C | | | 15—18 | | | | | |
| | | $F_W$ | **8h,7** | | | | | | | |
| | | $F_V$ | **10h,3** | | | | | | | |
| 18. | Iu | $i_1P_V$ | **0h** 59m 11s | | | 5 | | | 5 | |
| | | $eP_{EN}$ | 15s | 5 | 5 | | 0,3 | 0,2 | | Von Wellen T = 1,5 überlagert. |
| | | $i_2V$ | 36s | | | 5 | | | 12 | |
| | | $i_1PR$ | **1h** 2m 34s | | | 5 | | | 3,5 | |



| Aug. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 18. | | $i_2PR$ | 3m 9s | | | 5 | | | 2,8 | |
| | | $eS_N$ | 12m 40s | | | | | | | Sehr schwach! |
| | | $i_1S_V$ | 42s | | | 8 | | | 3 | |
| | | $i_2S_V$ | 13m 23s | | | 8 | | | 2,8 | |
| | | eL | 42m | | | | | | | |
| | | $M_{1V}$ | 49m | | | 53 | | | 107 | |
| | | $M_{1EN}$ | 53m | 31 | 37 | | 7 | 21 | | |
| | | $M_{2V}$ | 54m | | | 33 | | | 68 | Auftreten regelmäßiger Schwebungen in V. |
| | | $M_{2EN}$ | 57m | 24 | 24 | 30 | 5,3 | 6 | 78 | = $M_{3V}$. |
| | | | **2h** 3m | | | 22 | | | 26 | |
| | | | 23m | | | 30 | | | 20 | Erneutes Auftreten von Wellen langer Perioden. |
| | | M | 25m | | | 31 | | | 22 | |
| | | C | | | | 15 | | | | |
| | | F | **3h,7** | | | | | | | $F_W$ bei **2h,7**. |
| 18. | I | e | **23h** 18m | | | | | | | |
| | | | 20m | | | 15 | | | 0,2 | |
| | | F | 24m | | | | | | | |
| 22. | I | e | **6h** 49m | | | | | | | |
| | | | 59m | | | 20 | | | 0,8 | |
| | | F | **7h,5** | | | | | | | |
| 22. | Iu | iP | **7h** 50m 22s | | | 4 | | | 1,3 | |
| | | eS? | **8h** 1m,1 | | | 10 | | | 0,1 | |
| | | eL | 20m | | | | | | | |
| | | | 24m | | | 22 | | | 2,6 | |
| | | $M_1$ | 26m | | | 21 | | | 7 | |
| | | $M_2$ | 29m | | | 15 | | | 7,3 | |
| | | C | | | | 11-12 | | | | |
| | | F | **9h,3** | | | | | | | |
| 22. | Iu | $iP_V$ | **15h** 46m 22s | | | 3 | | | 1,3 | |
| | | eS | 56m 47s | | | 11 | | | 1,1 | |
| | | eL | **16h** 2m,6 | | | | | | | |
| | | $M_N$ | 6m | 12 | | | | 0,2 | | |
| | | $M_{1V}$ | 8m | | | 12 | | | 11 | |
| | | $M_E$ | 9m | 16 | | 12 | 5 | | 14 | = $M_{2V}$. |
| | | C | | | | 10-12 | | | | |
| | | $F_W$ | **16h,5** | | | | | | | |
| | | $F_V$ | **17h,3** | | | | | | | |
| 22. | Iu | eP | **17h** 52m 16s | | | 8 | | | 0,4 | |
| | | eS | **18h** 2m,9 | | | 12 | | | 0,5 | |
| | | eL | 9m | | | | | | | |
| | | $M_{1NV}$ | 13m | | 12 | 13 | | 0,2 | 6,5 | |
| | | $M_E$ | 15m | 17 | | 17 | | 2 | 20 | = $M_{2V}$. |
| | | C | | | | 9-11 | | | | |
| | | $F_W$ | **18h,4** | | | | | | | |
| | | $F_V$ | **19h,3** | | | | | | | |
| 23. | I | e | **22h** 43m | | | 10 | | | 0,1 | |
| | | F | 49m | | | | | | | |
| 24. | I | eL | **4h** 36m | | | | | | | |
| | | | 37m | | | 12 | | | 0,4 | |
| | | M | 42m | | | 12 | | | 1,4 | |
| | | F | **5h,0** | | | | | | | |

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## 1909. August.

| Aug. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 24. | I | e | **12**$^h$ 34$^m$ | | | | | | | |
| | | | 39$^m$ | | | 11 | | | 0,6 | |
| | | F | 46$^m$ | | | | | | | |
| 25. | IIr | eP | 0$^h$ 24$^m$ 4$^s$ | | 0,5 | 0,5 | | 0,3 | 0,5 | In E-W nichts zu erkennen. |
| | | $e_E$ | 57$^s$ | 0,5 | | | 0,4 | | | |
| | | $e\,S_V$ | 25$^m$ 25$^s$ | | | 8 | | | 1 | Aus Siena und Toskana gemeldet. |
| | | $eS_N$ | 34$^s$ | | | | | | | |
| | | $iL_V$ | 26$^m$ 20$^s$ | | | | | | | |
| | | $i?L_W$ | 25$^s$ | 4 | 6 | | 3,5 | 2,4 | | = $M_E$. |
| | | $M_{NV}$ | 27$^m$ | 11 | 11 | 8 | 3,2 | 4 | 12 | |
| | | C | | 6 | 6 | | | | | |
| | | F | | | | | | | | Geht in das folgende Beben über. |
| 25. | IIr | eP | **0**$^h$ 31$^m$ 50$^s$ | | | | | | | Dem Ende d. vorhergeh. Beb. überlagert. |
| | | $eS_{EV}$ | 33$^m$ 24$^s$ | | | 7 | | | 1,2 | Herd wie oben. |
| | | eL | 34$^m$,1 | | | | | | | |
| | | $M_V$ | 35$^m$,0 | 10 | | 10 | 1,6 | | 9,5 | Im Diagramm von W kein ausgeprägtes Maximum vorhanden. |
| | | C | | 7—11 | | | | | | |
| | | $F_W$ | 44$^m$ | | | | | | | |
| | | $F_V$ | **1**$^h$,**4** | | | | | | | |
| 25. | | | **7**$^h$,**5**—**13**$^h$,**9** | | | | | | | Pulsationen T = ca. 30 Sek. |
| 26. | Iu | eP | **20**$^h$ 40$^m$ 57$^s$ | | | 7 | | | 0,7 | |
| | | eL | **21**$^h$ 20$^m$ | | | | | | | |
| | | M? | 35$^m$ | | | 20 | | | 0,4 | |
| | | F | **21**$^h$,**9** | | | | | | | |
| 27. | I | e | **18**$^h$ 55$^m$ | | | | | | | |
| | | | 58$^m$ | | | 10 | | | 1 | |
| | | F | **19**$^h$,**1** | | | | | | | |
| 28. | I | e | **3**$^h$ 0$^m$ | | | | | | | |
| | | | 10$^m$ | | | 12 | | | 0,1 | |
| | | F | **3**$^h$,**4** | | | | | | | |
| 28. | I | e | **22**$^h$ 14$^m$ | | | | | | | |
| | | M | 17$^m$ | | | 13 | | | 1,6 | |
| | | F | 24$^m$ | | | | | | | |
| 28. | I | e | **4**$^h$ 21$^m$ | | | | | | | Wenige, schwache Wellen. |
| | | F | 27$^m$ | | | | | | | |
| 29. | Iu | $eP_{EV}$ | **10**$^h$ 41$^m$ 53$^s$ | 3 | | 5 | 0,3 | | 1 | In E-W und N-S folgt nur eine schwache Zahnung der Registrierlinie. |
| | | $eP_N$ | 42$^m$ 9$^s$ | | | | | | | |
| | | $eS_V$ | 52$^m$ 16$^s$ | | | 12 | | | 0,1 | Das Beben ist in N-S wesentlich schwächer als in E-W. |
| | | eL | **11**$^h$ 15$^m$ | | | | | | | |
| | | $M^E$ | 16$^m$ | 24 | 24 | | 2 | 1,1 | | Aus Nawa (Japan) gemeldet. |
| | | $M_{1V}$ | 23$^m$ | 18 | | 22 | 0,8 | | 19 | |
| | | $M_{2V}$ | 25$^m$ | | | 14 | | | 14 | |
| | | C | | | | 12 | | | | |
| | | $F_W$ | **11**$^h$,**6** | | | | | | | |
| | | $F_V$ | **12**$^h$,**5** | | | | | | | |
| 29. | I | $i_1$ | **14**$^h$ 23$^m$ 59$^s$ | | | 5 | | | 0,4 | Dem ersten Stoße folgt keine, dem zweiten eine kurze Nachstörung. |
| | | $i_2$ | 26$^m$ 35$^s$ | | | 4 | | | 0,8 | |
| | | F | 32$^m$ | | | | | | | |

## 1909. August.

| Aug. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 30. | Iu | eP | **0**$^h$ 6$^m$,3 | | | 8 | | | 0,5 | |
| | | eS | 17$^m$ | | | 12 | | | 0,1 | |
| | | eL | **1**$^h$ 3$^m$ | | | | | | | |
| | | | 7$^m$ | | | 20 | | | | |
| | | M | 12$^m$ | | | 29 | | | 1 | |
| | | C | | | | 10 | | | 4,2 | |
| | | F | **2**$^h$,**9** | | | | | | | |
| 30. | Iu | $iP_{EV}$ | **13**$^h$ 12$^m$ 53$^s$ | 6 | | 5 | 0,7 | | 2,4 | = $eP_N$. Beben in E-W stärker als in N-S. |
| | | $eL_V$ | 37$^m$ | | | | | | | Der Einsatz des zweiten Vorläufers ist durch Eisenbahnstörung unsicher. |
| | | $eL_W$ | 40$^m$ | | | | | | | |
| | | $M_{1V}$ | 41$^m$ | | | 29 | | | | |
| | | $M_{1E}$ | 42$^m$ | 27 | | | | | 19 | Auftreten regelmäßiger Schwebungen. |
| | | $M_{2V}$ | 43$^m$ | 20 | | 20 | 14 5,5 | | | |
| | | $M_{3V}$ | 54$^m$ | 18 | | 18 | 3 | | 21 | |
| | | F | **14**$^h$,**5** | | | | | | 10 | |
| 31. | | | **8**$^h$,**3**—**24**$^h$,**0** | | | | | | | Pulsationen T = ca. 40 Sek. |
| 31. | Iu | eP | **11**$^h$ 57$^m$ 30$^s$ | | | 5 | | | 1,1 | Im Diagramm von W nur ganz feine Zahnung. |
| | | PR | **12**$^h$ 0$^m$ 41$^s$ | | | 5 | | | 0,7 | |
| | | eS | 6$^m$ 50$^s$ | 6 | | 10 | 0,4 | | 0,9 | Ganz in Verkehrsstörung gelegenes Beben. |
| | | eL | 22$^m$ | | | | | | | |
| | | $M_{1V}$ | 25$^m$ | | | 30 | | | 10 | |
| | | $M_{2V}$ | 45$^m$ | | | 12 | | | 5,4 | |
| | | $M_N$ | 51$^m$ | | 16 | | | 0,5 | | |
| | | C | | | | 12 | | | | |
| | | $F_W$ | **13**$^h$,**3** | | | | | | | |
| | | $F_V$ | **14**$^h$,**0** | | | | | | | |

## Berichtigungen.

1905. Dez. 8 u. 9: Ir? ist zu streichen.

1906. Juli 15: lies iP statt i.
Nov. 5: S liegt bei **23**$^h$ 29$^m$,0 nicht **23**$^h$ 21$^m$,0.

1907. Febr. 23: lies Vielleicht P bei 25$^m$? statt P 25$^m$?
Mai 15: **23**$^h$ 48$^m$,5 Die Angaben dieses Bebens beziehen sich alle auf **23**$^h$.
Mai 25: Vor **14**$^h$ 24$^m$ 47$^s$ ist $SR_1$ zu setzen.
Vor 26$^m$ 23$^s$ ist $SR_2$ zu setzen.

1908. Juli 1: lies Iu statt I.
Okt. 3: lies **15**$^h$,**0** statt **15**$^h$ 11$^m$.
Nov. 2: lies $eL_{EN}$ **16**$^h$ 2$^m$ statt $eL_{EN}$ 2$^m$.
Nov. 6: Nach $M_{1V}$ bei **8**$^h$ 23$^m$ ist einzuschalten $eL_2$ **9**$^h$ 27$^m$.

1909. Juni 11: Bei den beiden französischen Beben sind die Zeiten um 1 Stunde zu klein.
Juli 18/19: lies **23**$^h$ 58$^m$ statt **25**$^h$ 58$^m$.
Juli 27: lies eL **16**$^h$ 28$^m$ statt eL 28$^m$.

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.

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## 1909. September.

| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 29. | | | $37^m$ | | | 15 | | | 0,2 | |
| | | F | $18^h,9$ | | | | | | | |
| 30. | Iu | iP | $9^h\,51^m\ 6^s$ | | | 3? | | | 1,3 | Fällt in die Minutenmarke. |
| | | eS | $10^h\ 0^m\ 7^s$ | | | 10 | | | 0,6 | |
| | | eL | $23^m$ | | | | | | | Das Hauptbeben ist sehr schwach. |
| | | | $28^m$ | | | 22 | | | 1,5 | |
| | | F | $10^h,6$ | | | | | | | |
| 30. | I | eL | $11^h\,44^m$ | | | | | | | Sehr schwache lange Wellen. (Vielleicht Rückkehr des vorigen Bebens.) T = ca. 20. |
| | | F | $11^h,9$ | | | | | | | |
| 30. | I | e | $21^h\,37^m\ 3^s$ | | | 5 | | | 0,4 | Sehr unregelmäßige Störung. Aus der Herzegowina gemeldet. |
| | | F | $40^m$ | | | | | | | |

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.



## 1909. September.

| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | eP? | $3^h\,10^m$ | | | | | | | Sehr unsicher. |
| | | eL | $35^m$ | | | | | | | |
| | | | $37^m$ | | | 11 | | | 1 | |
| | | F | $57^m$ | | | | | | | |
| 2. | I | e | $13^h\,23^m$ | | | | | | | Einsatz und Ende durch Verkehrsstörung vernichtet. |
| | | | $25^m$ | | | 11 | | | 0,9 | |
| | | F? | $30^m$ | | | | | | | |
| 2. | I | e | $20^h\,29^m$ | | | | | | | |
| | | M | $34^m$ | | | 20 | | | 0,6 | |
| | | F | $36^m$ | | | | | | | |
| 3. | I | e | $8^h\,21^m,6$ | | | | | | | Einsatz und Ende durch Verkehrsstörung vernichtet. |
| | | | $22^m$ | | | 8 | | | 0,5 | |
| | | F | $24^m$ | | | | | | | |
| 3. | I | e | $11^h\,44^m$ | | | | | | | |
| | | | $46^m$ | | | 12 | | | 1,1 | |
| | | F? | $50^m$ | | | | | | | |
| 5. | Iu | eP | $9^h\,27^m\,41^s$ | | | | | | | |
| | | eL | $48^m$ | | | | | | | |
| | | $M_1$ | $10^h\ 6^m$ | | | 18 | | | 3,3 | |
| | | $M_2$ | $9^m$ | | | 20 | | | 3,4 | |
| | | F | $10^h8$ | | | | | | | |
| 5. | | | $11^h,0$—$17^h,0$ | | | | | | | Schwache Pulsationen. |
| 6. | Iv | e | $11^h\,22^m\,57^s$ | | | | | | | Beben in N-S schwächer als in E-W. |
| | | iL | $23^m\ 2^s$ | | 3 | 0,5 | | 3 | 2,5 | Vom Semmering gemeldet. |
| | | C | | 0,5 | 0,5 | | | | | |
| | | F | $25^m$ | | | | | | | |
| 6. | Iu | $eP_V$ | $14^h\,53^m\,56^s$ | | | 8 | | | 0,6 | Beben im Diagramm von W sehr schwach (in N-S eben sichtbar). |
| | | eS | $15^h\ 3^m\ 16^s$ | | | 10 | | | 1,5 | |
| | | eL | $35^m$ | | | 30 | | | 5 | |
| | | $M_{1V}$ | $44^m$ | | | 27 | | | 8 | |
| | | $M_E$? | $47^m$ | 20 | | | 2,1 | | | |
| | | $M_{2V}$ | $50^m$ | | | 17 | | | 10,3 | |
| | | C | | | | 9-11 | | | | |
| | | $F_W$ | $16^h,0$ | | | | | | | |
| | | $F_V$ | $16^h,9$ | | | | | | | |
| 7. | Iu | eP | $15^h\,38^m\,33^s$ | 5 | 5 | 3 | 0,3 | 0,1 | 3 | = $iP_V$. |
| | | $PR_V$ | $40^m\,28^s$ | | | 5 | | | 2,1 | |
| | | $PR_E$ | $40^s$ | 3 | | | 0,3 | | | |
| | | $eS_V$ | $46^m\,59^s$ | | | 7 | | | 2,5 | |
| | | $SR_V$ | $48^m\,44^s$ | | | 9 | | | 3,2 | |
| | | eL | $53^m$ | | | | | | | |
| | | $M_{EN}$ | $58^m$ | 17 | 17 | | 9,5 | 5 | | |
| | | $M_V$ | $16^h\ 1^m$ | | | 21 | | | 37 | |
| | | $i_V$ | $4^m$ | | | 9 | | | 9 | |
| | | C | | | 8—11 | | | | | |
| | | F | $17^h,2$ | | | | | | | |

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| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 8. | Iu | $iP_{VS}$ | **17**$^h$ 1$^m$ 35$^s$ | 3 | 3 | 3 | 0,3 | 6 | 23 | = $eP_E$. |
| | | $PR_{EV}$ | 4$^m$ 28$^s$ | 3 | | 3 | 0,7 | | 4,2 | |
| | | $iS_E$ | 11$^m$ 24$^s$ | 15 | | | 6 | | | |
| | | $iS_{NV}$ | 25$^s$ | | 15 | 15 | | 2 | 19 | |
| | | $i_{EN}$ | 49$^s$ | 5 | 6 | | 3,3 | 6,5 | | |
| | | eL | 20$^m$ | | | 37 | | | 68 | = $eL_{1V}$. |
| | | $M_{1E}$ | 24$^m$ | 40 | | | 6 | | | |
| | | $M_{1V}$ | 27$^m$ | | | 39 | | | 75 | |
| | | $M_{2EV}$ | 36$^m$ | 24 | 24 | 25 | 7 | 2,5 | 53 | Auftreten regelmäßiger Schwebungen in V. |
| | | $M_{3EV}$ | 43$^m$ | 18 | 18 | 21 | 11 | 3 | 37 | = $M_N$. |
| | | $M_{3V}$ | 48$^m$ | | | 17 | | | 26 | |
| | | $eL_{2V}$ | **19**$^h$ 13$^m$ | | | 20 | | | 2,1 | Rückkehr des Bebens. |
| | | $M_V$ | 26$^m$ | | | 20 | | | 4,5 | |
| | | C | | | | 10-15 | | | | |
| | | F | **21**$^h$,**2** | | | | | | | $F_W$ bei **18**$^h$,**5**. |
| 8. | Iu | $iP_V$ | **23**$^h$ 38$^m$ 50$^s$ | | | 5 | | | 1,1 | Im Diagramm von W nur das Hauptbeben zu sehen. |
| | | $iS_V$ | 48$^m$ 13$^s$ | | | 14 | | | 5,5 | |
| 9. | | $eL_{1V}$ | **0**$^h$ 16$^m$ | | | | | | | = $eL_W$. |
| | | $M_{1E}$ | 19$^m$ | 20 | 20 | 22 | 1 | 0,4 | 5 | |
| | | $M_{1V}$ | 22$^m$ | | | 18 | | | 8 | Auftreten regelmäßiger Schwebungen in V. |
| | | $M_{2E}$ | 25$^m$ | 17 | | | 0,6 | | | |
| | | $M_{2V}$ | 31$^m$ | | | 19 | | | 7 | |
| | | $M_{3V}$ | 35$^m$ | 17 | | 18 | 0,3 | | 7 | |
| | | | 44$^m$ | | | 13 | | | 3 | |
| | | $eL_{2V}$ | 1$^h$ 30$^m$ | | | | | | | Rückkehr des Bebens. |
| | | | 31$^m$ | | | 22 | | | 4 | |
| | | C | | | | 15 | | | | |
| | | $F_V$ | **2**$^h$,**2** | | | | | | | $F_W$ bei **0**$^h$,**8**. |
| 9. | | | 4$^h$ 6$^m$—10$^m$ | | | | | | | Die Mi. B. scheint durch Beben gestört zu sein. Vielleicht Vorläufer des folgenden Bebens? |
| 9. | I | eL | **4**$^h$ 38$^m$ | | | | | | | |
| | | | 45$^m$ | | | 22 | | | 1 | |
| | | F | **5**$^h$,**0** | | | | | | | |
| 10. | Iu | $i_1P_V$ | **18**$^h$ 21$^m$ 24$^s$ | | | 2 | | | 1,5 | S durch Eisenbahnstörung vernichtet. |
| | | $i_2$ | 40$^s$ | | | 2 | | | 1 | Im Diagramm von W nur in E das Hauptbeben eben sichtbar. |
| | | eL | 50$^m$ | | | | | | | |
| | | | 56$^m$ | 20 | | | 5 | | | |
| | | $M_{1V}$ | **19**$^h$ 0$^m$ | | | 22 | | | 4 | |
| | | $M_{2V}$ | 3$^m$ | | | 13 | | | 3 | |
| | | C | | | | 8-10 | | | | |
| | | F | **19**$^h$,**6** | | | | | | | |
| 10. | I | e | **20**$^h$ 4$^m$ | | | 10 | | | 0,2 | |
| | | eL | 42$^m$ | | | | | | | |
| | | M | 48$^m$ | | | 19 | | | 3 | |
| | | C | | | | 12 | | | | |
| | | F | **21**$^h$,**3** | | | | | | | |
| 10. | I | eL | **21**$^h$ 44$^m$ | | | | | | | |
| | | | 47$^m$ | | | 15 | | | 0,2 | |
| | | F | **21**$^h$,**9** | | | | | | | |



| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 11. | Ir | eP | **5**$^h$ 10$^m$ 49$^s$ | | | 5 | | | 0,3 | S durch Eisenbahnstörung vernichtet. |
| | | $SR_1$ | 18$^m$ 48$^s$ | 9 | | 9 | 0,2 | | 1,3 | In N-S nur das Hauptbeben und zwar sehr schwach. |
| | | $SR_2$ | 19$^m$ 57$^s$ | | | 9 | | | 2,2 | |
| | | eL | 22$^m$ | 18 | | | 1 | | | |
| | | $M_{1V}$ | 23$^m$ | | | 18 | | | 10 | |
| | | $M_{2V}$ | 25$^m$ | | | 15 | | | 11 | |
| | | $M_E$ | 26$^m$ | 15 | | | 2,5 | | | |
| | | C | | | | 9 | | | | |
| | | $F_V$ | **6**$^h$,**4** | | | | | | | $F_W$ bei **5**$^h$,**7**. |
| 11. | Iu | $eP_V$ | **11**$^h$ 5$^m$ 15$^s$ | | | 6 | | | 1,4 | In E ebenfalls vorhanden, aber durch Eisenbahnstörung unsicher. |
| | | $PR_1$ | 8$^m$ 36$^s$ | | | 6 | | | 1,1 | |
| | | $PR_{2V}$? | 9$^m$ 26$^s$ | | | 5 | | | 1,1 | |
| | | $PR_{3V}$ | 13$^m$ 49$^s$ | | | 10 | | | 1,6 | |
| | | $iS_V$ | 18$^m$ 36$^s$ | | | 8 | | | 3,1 | |
| | | $eS_E$ | 46$^s$ | 8 | | | 0,6 | | | |
| | | $SR_{2V}$ | 29$^m$ 15$^s$ | | | 8 | | | 1,5 | |
| | | eL | 41$^m$ | | | | | | | |
| | | $M_{1V}$ | 46$^m$ | | | 30 | | | 15 | |
| | | $M_{1E}$ | 48$^m$ | 24 | | | 7 | | | |
| | | $M_{2V}$ | 51$^m$ | | 21 | 24 | | 2,5 | 31 | = $M_N$. |
| | | $M_{3V}$ | 55$^m$ | 17 | 19 | 19 | 4,4 | 2 | 25 | = $M_{2E}$. |
| | | C | | 15 | 15 | 15 | | | | |
| | | F | **13**$^h$,**7** | | | | | | | |
| 11. | I | eL | **22**$^h$ 38$^m$ | | | | | | | |
| | | | 58$^m$ | | | 19 | | | 0,4 | |
| | | F | **23**$^h$,**1** | | | | | | | |
| 11. | Iu | eP | **23**$^h$ 54$^m$ 25$^s$ | | | 5 | | | 0,7 | |
| | | PR? | 57$^m$ 53$^s$ | | | 5 | | | 0,3 | |
| | | eS? | **0**$^h$ 6$^m$,**1** | | | | | | | |
| | | eL | 32$^m$ | | | | | | | |
| | | | 36$^m$ | | | 20 | | | 0,4 | |
| | | $M_V$ | 45$^m$ | | | 15 | | | 1,6 | |
| | | F | **1**$^h$,**3** | | | | | | | |
| 12. | I | eL | **10**$^h$ 53$^m$ | | | | | | | |
| | | | **11**$^h$ 2$^m$ | | | 20 | | | 2 | |
| | | F | **11**$^h$**5** | | | | | | | |
| 12. | Iu | eP | **15**$^h$ 48$^m$ 36$^s$ | | | 2 | | | 0,7 | |
| | | eS | 58$^m$ 25$^s$ | | | 7 | | | 0,2 | |
| | | eL | **16**$^h$ 15$^m$ | | | | | | | |
| | | | 21$^m$ | | | 20 | | | 2 | |
| | | $M_V$ | 27$^m$ | | | 25 | | | 7 | |
| | | C | | | | 11-15 | | | | |
| | | F | **17**$^h$,**5** | | | | | | | |
| 15. | I | $i_1$ | **11**$^h$ 5$^m$ 41$^s$ | | | 5 | | | 1,2 | |
| | | $i_2$ | 51$^s$ | | | 3 | | | 3,2 | |
| | | F | 6$^m$,0 | | | | | | | |
| 16. | I | e | **1**$^h$ 10$^m$ | | | | | | | |
| | | | 19$^m$ | | | 11 | | | 1,2 | |
| | | F | **1**$^h$,**5** | | | | | | | |

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| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 16. | I | eL | $16^h\,35^m$ | | | | | | | |
| | | | $39^m$ | | | 13 | | | 2,4 | |
| | | F | $16^h,9$ | | | | | | | |
| 16. | Iu | $iP_V$ | $19^h\ 2^m\,46^s$ | 3 | | 3 | 0,2 | | 3 | = $eP_E$ In N nur angedeutet. |
| | | PR | $6^m\,36^s$ | | | 5 | | | 1,1 | Der Rest des Bebens fehlt im Diagramm von W. |
| | | eS | $10^m\,33^s$ | | | 10 | | | 1,8 | |
| | | SR | $15^m\ 5^s$ | | | 9 | | | 1,2 | Auf Sumatra gefühltes Beben. |
| | | eL | $36^m$ | | | | | | | |
| | | $M_{1V}$ | $39^m$ | | | 58 | | | 19 | |
| | | $M_{2V}$ | $49^m$ | | | 20 | | | 8 | |
| | | | ab $51^m$ | | | | | | | Durch das folgende Beben verdeckt. |
| 16. | Iu | $i_1P_V$ | $19^h\,50^m\,53^s$ | | | 3 | | | 3,5 | Dem vorhergehenden Beben überlagert. |
| | | $i_1$ | $51^m\,15^s$ | | | 3 | | | 4 | |
| | | eS | $56^m\,57^s$ | | | 9 | | | 1,3 | |
| | | | ab $20^h0^m,5$ | | | | | | | Vom folgenden Beben verdeckt. |
| 16. | Iu | $iP_N$ | $20^h\ 0^m\,40^s$ | | 5 | | | 0,3 | | Dem vorhergehenden Beben überlagert. |
| | | $iP_{EV}$ | $42^s$ | 5 | | 5 | 0,3 | | 1,7 | |
| | | $eS_V$ | $6^m\,39^s$ | | | 10 | | | 1,7 | |
| | | eL | $16^m$ | | | 56 | | | 55 | |
| | | $M_E$ | $20^m$ | 31 | | | 12 | | | |
| | | $M_{1V}$ | $21^m$ | | | 28 | | | 51 | |
| | | $M_{2V}$ | $26^m$ | | 25 | 27 | | 9 | 56 | = $M_N$. |
| | | $M_{3V}$ | $28^m$ | | | 18 | | | 37 | |
| | | $M_{4V}$ | $30^m$ | | 11 | 11 | | 1 | 13 | |
| | | C | | | | 10 | | | | |
| | | $F_W$ | $20^h,9$ | | | | | | | |
| | | $F_V$ | $21^h,9$ | | | | | | | |
| 16. | | | $22^h,1$ | | | | | | | Die M.: B. scheint durch Beben gestört zu sein. Vielleicht Rückkehr des vorhergehenden Bebens. |
| | | | $22^h,3$ | | | | | | | |
| 19. | | | $0^h,7 - 8^h,5$ | | | | | | | Ganz leichte Pulsationen. |
| 19. | I | e | $10^h\,13^m$ | | | 10 | | | 0,7 | Nur einige, wenige Wellen. |
| | | F | $17^m$ | | | | | | | |
| 19. | Iu | $iP_V$ | $20^h\,31^m\,49^s$ | | 2 | 3 | | 0,1 | 2 | = $eP_N$. In E nichts zu sehen. |
| | | eS | $40^m\,49^s$ | | | 6 | | | 0,2 | Der Rest des Bebens fehlt im Diagramm von W. |
| | | eL | $53^m$ | | | | | | | |
| | | | $58^m$ | | | 29 | | | 5 | |
| | | e | $21^h\ 0^m\,10^s$ | | | 5 | | | 0,5 | Einige, wenige Wellen eines fremden Bebens. |
| | | | $5^m$ | | | 19 | | | 3,4 | |
| | | F | | | | | | | | Durch das folgende Beben verdeckt. |
| 19. | Ir | eP | $21^h\,59^m\,32^s$ | | | 5 | | | 0,3 | |
| | | $eL_W$ | $22^h\ 1^m\,31^s$ | 10 | 10 | | 0,3 | 0,1 | | = M |
| | | $eL_V$ | $56^s$ | | | 10 | | | 1,3 | |
| | | $M_V$ | $2^m,6$ | | | 10 | | | 4,3 | |
| | | C | | | | 8 | | | | |
| | | F | $22^h,4$ | | | | | | | |
| 20. | | | $4^h,2 - 5^h,2$ | | | | | | | Leichte Pulsationen. |
| 21. | Iu | eP | $19^h\ 9^m\,16^s$ | | | 6 | | | 0,1 | Vorbeben in E-W nur angedeutet; in N-S nicht zu sehen. |
| | | eS | $19^m,1$ | | | 10 | | | 0,8 | |
| | | eL | $36^m$ | | | | | | | Hauptbeben in N-S nur angedeutet. |



| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 21. | | $M_{1EV}$ | $49^m$ | 32 | | 35 | 1 | | 7 | |
| | | $M_{2V}$ | $57^m$ | | | 20 | | | 11 | |
| | | $M_{2E}$ | $58^m$ | 20 | | | 1 | | | |
| | | C | | | | 15 | | | | |
| | | F | $20^h,8$ | | | | | | | |
| 22. | I | e | $3^h\,54^m$ | | | | | | | Aus Griechenland gemeldet. |
| | | M | $59^m,0$ | | | 15 | | | 2,2 | |
| | | F | $4^h,2$ | | | | | | | |
| 22. | I | e | $7^h\,40^m$ | | | | | | | Aus Calabrien (Reggio und Messina) gemeldet. |
| | | M | $41^m,9$ | | | 16 | | | 5,4 | |
| | | F | $7^h,8$ | | | | | | | |
| 22. | Iu | eP | $14^h\,54^m\,42^s$ | | | 10 | | | 1,6 | Das Vorbeben fehlt im Diagramm von W vollständig. |
| | | PR | $58^m\,15^s$ | | | 10 | | | 1,4 | |
| | | eS | $15^h\ 5^m\,26^s$ | | | 20 | | | 8,8 | |
| | | $SR_1$ | $9^m\,35^s$ | | | 12 | | | 3 | |
| | | $SR_2$ | $11^m\,17^s$ | | | 12 | | | 2 | |
| | | $eL_{1V}$ | $22^m$ | 37 | | | | 10 | | = $eL_W$. Das Hauptbeben ist in N nur angedeutet. |
| | | $M_{1V}$ | $23^m$ | | | 40 | | | 54 | |
| | | $M_{2V}$ | $25^m$ | 25 | | 25 | | 6 | 33 | = $M_E$. |
| | | | $43^m$ | 17 | | | | 1 | | |
| | | C | | | | 10-13 | | | | |
| | | $eL_{2V}$ | $17^h,8$ | | | | | | | |
| | | | $11^m$ | | | 20 | | | 1,2 | |
| | | F | $17^h,3$ | | | | | | | $F_W$ bei $15^h,9$. |
| 23. | Iu | eP | $6^h\,38^m\,58^s$ | | | 5 | | | 0,6 | |
| | | PR? | $41^m\,38^s$ | | | 9 | | | 2,3 | |
| | | eL | $7^h\ 6^m$ | | | | | | | |
| | | M | $9^m$ | | | 21 | | | 4 | |
| | | F | $7^h,7$ | | | | | | | |
| 23. | I | eL | $16^h\,35^m$ | | | | | | | Im Diagramm von V eine regelmäßige, starke Schwebung. |
| | | M | $44^m$ | 20 | | 17 | 3 | | 12 | |
| | | C | | | | 15 | | | | |
| | | F | $17^h,7$ | | | | | | | |
| 25. | I | eL | $20^h\ 2^m$ | | | | | | | |
| | | M | $5^m$ | | | 20 | | | 0,4 | |
| | | F | $20^h,4$ | | | | | | | |
| 25. | I | e | $20^h\,47^m$ | | | | | | | |
| | | | $48^m$ | | | 10 | | | 0,4 | |
| | | F | $21^h,1$ | | | | | | | |
| 27. | I | e | $3^h\ 4^m$ | | | | | | | |
| | | | $8^m$ | | | 14 | | | 0,2 | |
| | | F | $10^m$ | | | | | | | |
| 28. | I | e | $20^h\,55^m$ | | | | | | | |
| | | | $58^m$ | | | 10 | | | 0,1 | |
| | | F | $21^h,1$ | | | | | | | |
| 29. | I | eL | $18^h\,24^m$ | | | | | | | |
| | | | $28^m$ | | | 25 | | | 1,3 | |

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## 1909. Oktober.

| Sept. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 29. | I | eL | $7^h 27^m$ | | | | | | | |
| | | $M_{1EV}$ | $33^m$ | 20 | | 20 | 3,9 | | 10,4 | |
| | | $M_{2V}$ | $37^m$ | | | 20 | | | 17 | |
| | | F | $8^h,1$ | | | | | | | |
| 29. | Ir | $ePR_V$ | $16^h\ 6^m\ 38^s$ | | | 6 | | | 1,1 | Vom Balkan gemeldet. |
| | | $eS_V$ | $9^m\ 14^s$ | | | 9 | | | 2,1 | |
| | | $eL_E$ | $11^m\ 7^s$ | | | | | | | |
| | | $eL_N$ | $12^m\ 1^s$ | | | | | | | |
| | | $eL_V$ | $12^m\ 22^s$ | | | 28 | | | 60 | |
| | | $M_1$ | $13^m$ | 16 | 16 | 18 | 10 | 4 | 37 | |
| | | $M_2$ | $14^m,6$ | 10 | 8 | 9 | 4 | 0,6 | 12 | |
| | | C | | | | 8-12 | | | | |
| | | F | $17^h,0$ | | | | | | | |
| 29. | Ir | eP | $17^h\ 40^m\ 43^s$ | 4 | | 4 | 0,2 | | 1,5 | In N nur angedeutet. |
| | | $eS_{EV}$ | $44^m\ 27^s$ | 8 | | 8 | 0,2 | | 2,6 | Herd wie oben. |
| | | eL | $45^m,2$ | | 27 | 27 | | 6,6 | 16 | |
| | | $M_1$ | $47^m$ | 16 | 16 | 16 | 8 | 5,3 | 49 | |
| | | $M_{2EV}$ | $49^m$ | 12 | | 12 | 5,3 | | 31 | |
| | | C | | | 8—12 | | | | | |
| | | F | $19^h,0$ | | | | | | | |
| 30. | Iu | P | ? | | | | | | | Vielleicht bei $32^m,0$ (in V). |
| | | $iPR_V$ | $10^h\ 36^m\ 50^s$ | | | 6 | | | 4 | Im Diagramm von W eben angedeutet. |
| | | $iS_V$ | $46^m\ 2^s$ | | | 8 | | | 5 | |
| | | $i_V$ | $47^m\ 7^s$ | | | 8 | | | 4,5 | Das Beben ist in N-S wesentlich schwächer als in E-W. |
| | | $i_V$ | $48^m\ 11^s$ | | | 9 | | | 4 | $= eL_W$. |
| | | $eL_{1V}$ | $11^h\ 13^m$ | | | | | | | |
| | | | $25^m$ | 24 | | 23 | 1,4 | | 15,5 | Ausgeprägtes Maximum nicht vorhanden. |
| | | | $30^m$ | | | 17 | | | 11 | |
| | | C | | | | 10-15 | | | | |
| | | $eL_{2V}$ | $12^h\ 14^m$ | | | | | | | Rückkehr. Im Diagramm von W eben angedeutet. |
| | | | $43^m$ | | | 20 | | | 2 | |
| | | F | $13^h,0$ | | | | | | | |
| 31. | I | eL | $10^h\ 22^m$ | | | | | | | |
| | | | $32^m$ | | | 20 | | | 2 | |
| | | F | | | | | | | | Durch das folgende Beben verdeckt. |
| 31. | IIu | $ePR_V$ | $10^h\ 36^m\ 24^s$ | | | 5 | | | 1,5 | Im Diagramm von W nur angedeutet. |
| | | | $33^s$ | | | 9 | | | 6 | |
| | | $iPR_{EV}$ | $40^m\ 7^s$ | 5 | | 9 | 2 | | 17 | In N nur angedeutet. |
| | | $iS_V$ | $48^m\ 32^s$ | | | 10 | | | 10 | |
| | | $iS_{EN}$ | $37^s$ | 14 | 14 | | 6 | 4 | | |
| | | $iSR_{EN}$ | $53^m\ 35^s$ | 12 | 12 | | 4,8 | 3,8 | | |
| | | $SR_V$ | $54^m\ 31^s$ | | | 10 | | | 6 | |
| | | eL | $11^h\ 0^m$ | | | | | | | |
| | | $M_{1EN}$ | $2^m$ | 58 | 58 | | 157 | 205 | | |
| | | $M_{2EN}$ | $5^m$ | 40 | 40 | 41 | 79 | 81 | 112 | $= M_{1V}$. |
| | | $M_{2V}$ | $6^m$ | | | 42 | | | 153 | |
| | | $M_{3NV}$ | $11^m$ | | 35 | 35 | | 35 | 81 | |
| | | $M_{3E}$ | $15^m$ | 20 | | 20 | 18,4 | | 67 | $= M_{4V}$. |
| | | $M_{4E}$ | $22^m$ | 18 | | 17 | 16 | | 64 | $= M_{5V}$. |
| | | C | | | 12—15 | | | | | |
| | | $F_W$ | $12^h,5$ | | | | | | | |
| | | $F_V$ | $14^h,8$ | | | | | | | |

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.



## 1909. Oktober.

| Okt. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | I | eL | $12^h\ 21^m$ | | | | | | | |
| | | | $24^m$ | | | 20 | | | 0,4 | |
| | | F | $30^m$ | | | | | | | |
| 1. | I | e | $21^h\ 10^m$ | | | | | | | Nur einige Wellen. |
| | | | $11^m$ | | | 10 | | | 0,1 | |
| | | F | $15^m$ | | | | | | | |
| 2. | I | e? | $14^h,4$ | | | | | | | Einsatz und Ende des ganz in Verkehrsstörung liegenden Bebens ist vernichtet. |
| | | | $28^m$ | | | 10 | | | 0,6 | |
| | | F? | $14^h,6$ | | | | | | | |
| 2. | I | e | $15^h\ 20^m$ | | | | | | | Ganz in Verkehrsstörung gelegenes Beben. |
| | | | $24^m$ | | | 13 | | | 0,8 | |
| | | F? | | | | | | | | |
| 2. | Ir | eP | $18^h\ 23^m\ 50^s$ | | | 7 | | | 0,8 | Beben in N.-S. nur eben angedeutet. |
| | | eL | $30^m$ | | | | | | | |
| | | | $31^m$ | | | 30 | | | 5 | |
| | | | $34^m$ | 16 | | 18 | 0,5 | | 13 | |
| | | | ab $43^m$ | | | | | | | Durch das folgende Beben verdeckt. |
| 2. | Ir | eP | $18^h\ 43^m\ 28^s$ | | | 5 | | | 0,8 | Wahrscheinlich vom selben Herd wie das voraufgehende Beben. |
| | | eL | $50^m$ | | | 38 | | | 8 | |
| | | $M_1$ | $52^m$ | 20 | 20 | 22 | 6,5 | 0,7 | 31 | |
| | | $M_2$ | $54^m$ | 12 | 12 | 12 | 2 | 0,2 | 8,7 | |
| | | C | | | | 9-11 | | | | |
| | | F | $19^h,6$ | | | | | | | |
| 2. | Ir | $ePR_V$ | $21^h\ 41^m\ 6^s$ | | | 5? | | | 0,7? | Im Diagramm von W nur angedeutet. |
| | | eL | $47^m$ | | | | | | | Fällt in die Minutenmarke. |
| | | $M_V$ | $48^m$ | | | 50 | | | 22 | In N nur angedeutetes Beben. |
| | | | $51^m$ | 16 | | 15 | 1 | | 10 | |
| | | C | | | | 10 | | | | |
| | | F | $22^h,5$ | | | | | | | |
| 3. | I | eL | $3^h\ 0^m$ | | | | | | | Die Mi. B. scheint schon ab $2^h,8$ gestört zu sein. |
| | | M | $14^m$ | | | 20 | | | 3 | |
| | | F | $3^h,5$ | | | | | | | |
| 3. | I | e | $4^h,6$ | | | | | | | |
| | | M | $41^m$ | | | 21 | | | 1 | |
| | | F | $4^h,9$ | | | | | | | |
| 3. | I | e | $13^h\ 39^m,1$ | | | | | | | Nur einige Wellen. |
| | | | $39^m,6$ | | | 10 | | | 0,7 | |
| | | F | $40^m,6$ | | | | | | | |
| 3. | I | i | $14^h\ 10^m\ 46^s$ | | | 2 | | | 2,4 | 1 Stoß! Im Diagramm von W nur angedeutet. |
| 3. | Iu | eP | $14^h\ 12^m\ 35^s$ | | | 8 | | | 1,7 | |
| | | e | $13^m\ 25^s$ | | | 7 | | | 0,8 | |
| | | $PR_1$ | $15^m\ 39^s$ | | | 8 | | | 0,5 | |
| | | $PR_2$ | $16^m\ 39^s$ | | | 8 | | | 1 | |
| | | i? S? | $21^m\ 36^s$ | | | 7 | | | 1,2 | |
| | | eL | $31^m$ | | | | | | | |

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| Okt. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 3. | | | $33^m$ | | | 22 | | | 2,5 | |
| | | | $54^m$ | | | 13 | | | 4 | |
| | | C | | | | 9-10 | | | | |
| | | F | **$15^h$,2** | | | | | | | |
| 3. | I | eL | **$21^h$** $33^m$ | | | 15 | | | 1,1 | |
| | | | $41^m$ | | | 17 | | | 2,3 | |
| | | F | **$21^h$,8** | | | | | | | |
| 4. | I | iL | **$0^h$** $1^m$ | | | | | | | |
| | | | $2^m$ | | | 15 | | | 0,8 | |
| | | | $22^m$ | | | 20 | | | 1,6 | |
| | | F | **$0^h$,5** | | | | | | | |
| 4. | I | eL | **$14^h$** $42^m$ | | | | | | | |
| | | M | $49^m$ | | | 20 | | | 17 | |
| | | | **$15^h$** $6^m$ | | | 14 | | | 3,8 | |
| | | F | **$15^h$,5** | | | | | | | |
| 5. | | | **$14^h$** $57^m$ | | | | | | | Ausfall der Registrierung. |
| 6. | | | **$17^h$** $20^m$ | | | | | | | |
| 8. | IIv | eP | **$10^h$** $0^m$ $46^s$ | 1 | 1 | | 0,3 | 0,3 | | Durch Mi. B. unsicher. |
| | | $eL_{EV}$ | $2^m$ $3^s$ | 12 | | 10 | 9 | | 19 | Von Wellen T = I überlagert. |
| | | $eL_N$ | $4^s$ | | 10 | | | 8 | | |
| | | $iM_1$ | $41^s$ | 10 | 11 | 10 | 192 | 88 | 174 | Aus Kroatien und Grenzgebieten (Agram, Petrinjia) gemeldet. |
| | | $iM_{2N}$ | $3^m$ $7^s$ | | 7 | | | 77 | | |
| | | $iM_{2EV}$ | $11^s$ | 7 | | 7 | 60 | | 68 | |
| | | C | | | 6—8 | | | | | |
| | | F | **$10^h$,5** | | | | | | | |
| 8. | Iv | e | **11** $0^m$ $30^s$ | | | 4 | | | 1,7 | Herd wie oben. |
| | | F | $1^m$,3 | | | | | | | |
| 10. | IIv | eP | **$5^h$** $39^m$,2 | | | | | | | Fällt in die Minutenmarke. |
| | | $iL_{EV}$ | $40^m$ $40^s$ | 5 | 5 | 5 | 7 | 4 | 4 | = $eL_N$ Im Diagramm von W mit Wellen T = I überlagert. |
| | | $M_1$ | $50^s$ | 5 | 5 | 5 | 7 | 7 | 6,7 | |
| | | $M_2$ | $41^m$ $15^s$ | 6 | 5 | 5 | 3,6 | 4 | 6,4 | |
| | | F | $47^m$ | | | | | | | Herd wie oben. |
| 10. | IIv | $eP_W$ | **$5^h$** $57^m$ $42^s$ | 1 | 1 | | 0,2 | 0,2 | | Herd wie oben. |
| | | $e_V$ | $50^s$ | | | | | | | |
| | | $iL_E$ | $58^m$ $31^s$ | 5 | 5 | | 8 | 7 | | = $eL_N$. |
| | | $iL_V$ | $36^s$ | | | 5 | | | 6,7 | |
| | | $M_{1EN}$ | $42^s$ | 5 | 5 | | 12 | 7 | | |
| | | $M_{1V}$ | $47^s$ | | | 5 | | | 11,3 | |
| | | $M_{2NV}$ | $59^m$ $5^s$ | | 5 | 5 | | 7 | 10 | |
| | | C | | 1 | 1 | | | | | |
| | | F | **$6^h$** $7^m$ | | | | | | | |
| 12. | I | eL | **$9^h$** $46^m$ | | | 25 | | | 3,3 | |
| | | M | $52^m$ | | | 20 | | | 9 | |
| | | F | **$10^h$,2** | | | | | | | |
| 13. | I | eL | **$23^h$** $17^m$ | | | | | | | |
| | | | $20^m$ | | | 20 | | | 3,4 | |
| | | F | $22^m$ | | | | | | | |



| Okt. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 17. | I | $eP_V$? | **$22^h$** $29^m$ $57^s$ | | | 3? | | | | Durch starke Mi. B. beeinträchtigtes Beben. |
| | | $eS_{EN}$? | $32^m$ $45^s$ | 3 | 4 | | 0,4 | 0,4 | | |
| | | eL | $40^m$ | | | | | | | |
| | | F | **$23^h$,0** | | | | | | | |
| 18. | I | eL | **$9^h$** $15^m$ | | | 20 | | | 12 | |
| | | | $20^m$ | | | 15 | | | 10 | |
| | | F | **$9^h$,5** | | | | | | | |
| 20. | I | eL | **$22^h$** $45^m$ | | | | | | | |
| | | M | $52^m$ | | | 23 | | | 2,7 | |
| | | F | **$23^h$,0** | | | | | | | |
| 20. | IIIu | $i_1P_V$ | **$23^h$** $50^m$ $6^s$ | | | 3 | | | 5 | = $eP_{EN}$. Fällt in die Minutenmarke. |
| | | $i_{2V}$ | $59^s$ | 3 | | 3 | 1,6 | | 9 | = $i_E$. |
| | | $i_1PR_{1EV}$ | $51^m$ $58^s$ | 3 | 3 | 3 | 2,4 | 0,8 | 8 | = $ePR_N$. |
| | | $i_2PR_{2EV}$ | $52^m$ $29^s$ | 3 | | 3 | 3,2 | | 12 | In N nur angedeutet. |
| | | $iS_N$ | $57^m$ $19^s$ | | 7 | | | 9,5 | | In E nur angedeutet. |
| | | $eS_V$ | $25^s$ | | | 9 | | | 9 | |
| | | $i_V$ | $58^m$ $19^s$ | | | 8 | | | 13 | Zerstörendes Beben in Belutschistan (Bellpat). |
| 21. | | $SR_{EV}$ | **$0^h$** $2^m$ $28^s$ | 11 | | 9 | 11,5 | | 11,5 | |
| | | $iL_V$ | $10^m$ $20^s$ | 20 | | 20 | 19,4 | | 176 | = $eL_E$. |
| | | $iL_N$ | $35^s$ | | 18 | | | 51,5 | | |
| | | $M_{1EN}$ | $11^m$ | 22 | 22 | | 71,3 | 225 | | |
| | | $M_{2EN}$ | $13^m$ | 17 | 17 | | 105 | 240 | | |
| | | $M_{1V}$ | $14^m$ | | | 18 | | | 210 | |
| | | $M_{3EN}$ | $16^m$ | 12 | 13 | 15 | 96 | 69 | 267 | = $M_{2V}$. |
| | | $M_{3V}$ | $18^m$ | | | 12 | | | 176 | |
| | | C | | | 8—15 | | | | | |
| | | $F_W$ | **$1^h$,8** | | | | | | | |
| | | $F_V$ | **$3^h$,0** | | | | | | | |
| 23. | I | i | **$21^h$** $30^m$ $28^s$ | | | 5 | | | 3,2 | |
| | | F | $30^m$,8 | | | | | | | |
| 26. | I | eL | **$5^h$** $21^m$ | | | | | | | |
| | | M | $26^m$ | | | 20 | | | 12,5 | |
| | | F | **$5^h$,5** | | | | | | | |
| 28. | Iu | $eP_V$ | **$4^h$** $10^m$ $29^s$ | | | 12 | | | 4,7 | Vielleicht S. (P vielleicht schon bei $4^h$ $1^m$,0. |
| | | eL | $33^m$ | | | | | | | |
| | | $M_{1V}$ | $35^m$ | | | 40 | | | 18 | |
| | | $M_{2V}$ | $39^m$ | | 27 | 27 | | 2 | 24 | |
| | | $M_{EN}$ | $45^m$ | 20 | 20 | 19 | 2 | 2 | 28 | = $M_{3V}$. |
| | | C | | | | II-15 | | | | |
| | | $F_W$ | **$5^h$,0** | | | | | | | |
| | | $F_V$ | **$5^h$,6** | | | | | | | |
| 28. | I | eL | **$23^h$** $55^m$ | | | | | | | Im Diagramm von W nur in N-S. eben sichtbar. |
| | | M | $59^m$ | | | 18 | | | 1,7 | |
| 29. | | F | **$0^h$,2** | | | | | | | |
| 29. | I | e | **$2^h$** $38^m$ | | | | | | | |
| | | eL | **$3^h$** $18^m$ | | | | | | | |
| | | | $28^m$ | | | 18 | | | 1,7 | |
| | | F | **$3^h$,6** | | | | | | | |

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## 1909. November.

| Nov. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Iu | $iP_V$ | **6h 28m 34s** | | | 4 | | | 2 | = $eP_E$. In E sehr schwach, in N nichts. |
| | | PR | 30m 54s | 4 | | 4 | 0,3 | | 1,6 | In N nichts. |
| | | eS | 37m,0 | 13 | 13 | 11 | 2,8 | 2,7 | 4,1 | Fällt in die Minutenmarke. |
| | | $SR_V$ | 41m 14s | | | 9 | | | 1,4 | |
| | | eL | 46m | 24 | 24 | | 10 | 3 | | = $M_{1EN}$. |
| | | $M_{1V}$ | 47m | | | 39 | | | 25 | |
| | | $M_{2EV}$ | 51m | 20 | | 20 | 6,8 | | 21 | |
| | | $M_{3EV}$ | **7h 4m** | 10 | 10 | 10 | 1,9 | 1,5 | 6,5 | = $M_{2N}$. |
| | | C | | | 8—10 | | | | | |
| | | F | **7h,8** | | | | | | | |
| 1. | I | eL | **9h 32m** | | | | | | | In N eben angedeutetes Beben. |
| | | M | 37m | 17 | | 17 | 3 | | 15 | |
| | | C | | | | 10 | | | | |
| | | F | **10h,0** | | | | | | | |
| 3. | I | e | **6h,6** | | | | | | | |
| | | M | 40m | | | 10 | | | 3,5 | |
| | | F | **7h,3** | | | | | | | |
| 3. | I | eL | **7h 46m** | | | | | | | |
| | | $M_1$ | 59m | | | 19 | | | 5,8 | |
| | | $M_2$ | **8h 7m** | | | 18 | | | 3,3 | |
| | | F | **8h,5** | | | | | | | |
| 5. | I | eL | **6h 46m** | | | | | | | |
| | | | 48m | | | 18 | | | 3,3 | |
| | | F | **6h,9** | | | | | | | |
| 5. | I | | **9h,4—9h,5** | | | | | | | Wellen in Verkehrsstörung. |
| 8. | Iu | eP | **16h 41m 49s** | 3 | 3 | 3 | 0,2 | 0,2 | 2,4 | |
| | | $eS_E$ | 51m 10s | 5 | | | 1,2 | | | In N nur angedeutet. |
| | | eL | **17h 4m** | | | | | | | |
| | | M | 10m | | | 37 | | | 30 | Im Diagramm von W sehr schwach. |
| | | F | **17h,6** | | | | | | | |
| 8. | I | eL | **21h 19m** | | | | | | | In N nur angedeutetes Beben. |
| | | $M_1$ | 24m | 28 | | 29 | 4 | | 28 | |
| | | $M_2$ | 27m | 22 | | 20 | 2,3 | | 16 | |
| | | $M_{3V}$ | 36m | | | 18 | | | 17 | |
| | | F | **21h,9** | | | | | | | |
| 10. | IIu | $i_1P_V$ | **6h 25m 40s** | 8 | 8 | 8 | 23 | 20 | 79 | = $iP_{EN}$. In E und N von Wellen T = 1 überlagert. |
| | | $i_2V$ | 26m 28s | | | 8 | | | 22 | |
| | | $i_3V$ | 48s | | | 8 | | | 21 | 3 Stöße vom gleichen Herd. |
| | | $i_1PR_{1V}$ | 28m 50s | 8 | 8 | 8 | 9 | 6 | 24 | = $PR_{1EN}$. |
| | | $i_2PR_{1V}$ | 29m 35s | | | 8 | | | 13 | |
| | | $i_3PR_{1V}$ | 53s | 8 | 8 | 8 | 11 | 6,3 | 22 | = $i_{EN}$. |
| | | $i_1PR_{2V}$ | 31m 51s | | | 8 | | | 10 | Aus Westindien gemeldet. |
| | | $i_2PR_{2V}$ | 32m 55s | | | 8 | | | 10 | |
| | | $i_3PR_{2V}$ | 33m 5s | 14 | 14 | 8 | 8,5 | 7,5 | 17 | = $PR_{3EN}$. |
| | | $iS_N$ | 35m 34s | | 12 | | | 37 | | |
| | | $iS_{EV}$ | 39s | 12 | | 12 | 19,2 | | 31 | |
| | | $i_2S_E$ | 36m 34s | 12 | | | 31,6 | | | |

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## 1909. November.

| Nov. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 10. | | $i_2S_{NV}$ | $6^h\,36^m\,37^s$ | | 14 | 20 | | 12,3 | 121 | |
| | | $i_3S$ | $59^s$ | 20 | 20 | 11 | 112,5 | 49 | 33 | |
| | | $SR_1$ | $41^m,0$ | 12 | 12 | | 12 | 10 | | Fällt in die Minutenmarke. |
| | | $i_E$ | $42^m\ 6^s$ | 17 | 16 | | 91,2 | 23,4 | | $= e_N$. |
| | | | $43^m$ | 38 | 34 | | 88,2 | 98,4 | | |
| | | $i_E$ | $46^m\,50^s$ | 16 | | | 47 | | | |
| | | eL | $50^m$ | | | | | | | |
| | | $i_V$ | $53^m\ 0^s$ | | | 16 | | | 156 | $= M_{IV}$. |
| | | $M_{1EN}$ | $57^m$ | 21 | 21 | | 139 | 57 | | |
| | | $M_{2N}$ | $7^h\ 0^m$ | | 14 | | | 69 | | |
| | | $M_{3N}$ | $1^m$ | | 16 | | | 30 | | |
| | | $M_{4N}$ | $5^m,5$ | | 16 | | | 88 | | |
| | | $M_{3E}$ | $6^m,5$ | 14 | | | 78 | | | |
| | | $M_{2V}$ | $7^m$ | | | 12 | | | 171 | |
| | | C | | | 10—15 | | | | | |
| | | F | $9^h,0$ | | | | | | | |
| 10. | | | $11^h,2$—$11^h,4$ | | | | | | | Die Mi. B. scheint durch Beben gestört zu sein. |
| 12. | Iu | iP | $4^h\,31^m\,45^s$ | | | 3 | | | 1,7 | In E sehr schwaches, in N nur angedeutetes Beben. |
| | | eS | $41^m\,21^s$ | | | 6 | | | 1,1 | |
| | | eL | $5^h\ 0^m$ | | | | | | | |
| | | M | $9^m$ | 20 | | 20 | 1,2 | | 8,5 | |
| | | F | $5^h,5$ | | | | | | | |
| 12. | I | eL | $20^h\,20^m$ | | | | | | | |
| | | | $29^m$ | | | 12 | | | 11 | |
| | | | $33^m$ | 13 | 13 | | 0,4 | 0,8 | | |
| | | | $40^m$ | | | 7 | | | 3 | |
| | | F | $20^h,9$ | | | | | | | |
| 15. | I | e | $23^h\,31^m$ | | | | | | | |
| | | | $32^m$ | | | 12 | | | 2 | |
| | | F | $35^m$ | | | | | | | |
| 20. | I | eL | $13^h\,31^m$ | | | | | | | |
| | | | $40^m$ | | | 23 | | | 1,7 | |
| | | | $44^m$ | 18 | 18 | 19 | 0,8 | 0,8 | 27 | |
| | | C | | | | 12 | | | | |
| | | F | $14^h,3$ | | | | | | | |
| 21. | Iu | $iP_{EV}$ | $7^h\,48^m\,27^s$ | 3 | 3 | 3 | 0,4 | 0,4 | 7,6 | $= eP_N$. |
| | | $PR_1$ | $51^m\,38^s$ | | | 3 | | | 3,4 | |
| | | $eS_E$ | $58^m\,45^s$ | 6 | | | 0,4 | | | In N nur angedeutet. |
| | | $eS_V$ | $49^s$ | | | 6 | | | 1,5 | |
| | | $e_V$ | $8^h\ 9^m,0$ | | | 25 | | | 168 | |
| | | eL | $16^m$ | | | | | | | |
| | | | $22^m$ | 20 | 20 | | 3,9 | 4,9 | | |
| | | | $29^m$ | 15 | 17 | 18 | 27 | 19 | 193 | |
| | | | $30^m$ | 12 | 12 | 12 | 24 | 16 | 103 | |
| | | C | | | 10—12 | | | | | |
| | | F | $9^h,8$ | | | | | | | |
| 22. | Iu | iP | $14^h\,45^m\,14^s$ | | | 8 | | | 4,1 | |
| | | $PR_1$ | $48^m\,16^s$ | | | 7 | | | 1,2 | |
| | | eS | $55^m\,39^s$ | | | 9 | | | 1,8 | |

## 1909. November.

| Nov. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 22. | | eL | $20^h\,12^m$ | | | | | | | |
| | | M? | $16^m$ | | 25 | | | | 6,6 | |
| | | C | | | 10-12 | | | | | |
| | | F | $21^h,2$ | | | | | | | |
| 24. | I | e | $16^h\,28^m$ | | | | | | | |
| | | | $30^m$ | | 11 | | | | 3,2 | |
| | | F | $33^m$ | | | | | | | |
| 25. | I | e | $23^h\,26^m$ | | | | | | | |
| | | | $27^m$ | | 11 | | | | 2,2 | |
| | | F | $30^m$ | | | | | | | |
| 27. | I | eP? | $3^h\,52^m,4$ | | | | | | | Sehr unsicher! |
| | | eL | $4^h\,13^m$ | | | | | | | Sehr unregelmäßiges Beben. |
| | | | $15^m$ | | 18 | | | | 9,3 | Kein ausgeprägtes Maximum vorhanden. |
| | | F | $4^h,9$ | | | | | | | |
| 28. | Iu | $iP_V$ | $1^h\,18^m\ 3^s$ | | 8 | | | | 2,6 | In starker Mi. B. gelegenes Beben. |
| | | | $13^s$ | | 8 | | | | 6,2 | Im Diagramm von W nur angedeutet. |
| | | PR | $21^m\,59^s$ | | 8 | | | | 2,6 | |
| | | eL | $2^h\,10^m$ | | | | | | | |
| | | $M_1$ | $17^m$ | | 23 | | | | 17 | |
| | | $M_2$ | $35^m$ | | 20 | | | | 13 | |
| | | F | $3^h,1$ | | | | | | | |

## Nachtrag zu 1907.

| | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| **Jan.** 12. | I | eL | $19^h\,44^m$ | | | | | | | |
| | | | $46^m$ | | 15 | | | 3,3 | | In E und V nur sehr schwach. |
| | | F | $53^m$ | | | | | | | |
| 21. | I | eL | $11^h\,31^m$ | | | | | | | |
| | | M | $54^m$ | | 17 | | | | 3,3 | |
| | | F | $12^h,5$ | | | | | | | |
| 21. | I | e | $13^h,1$ | | | | | | | Die Mi. B. ist durch Beben gestört. |
| | | F | $13^h,3$ | | | | | | | |
| **März** 12. | | | $12^h,5$ | | | | | | | Sehr schwache Wellen. |
| **Juni** 5. | Iv | e | $18^h\,35^m\,38^s$ | | | | | | | Nur in E, als punktförmige Verbreiterung der Registrierlinie. |
| | | F | $48^s$ | | | | | | | |

W. Pechau.

Buchdruckerei v. Ant. Kämpfe, Jena.

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## 1909. Dezember.

| Dez. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 9. | Iu | $i_1SR_V$ | $56^m\ 12^s$ | 12 | 12 | 8 | 4 | 3 | 10,3 | = $eSR_{EN}$. |
| | | $i_2SR_V$ | $43^s$ | | | 8 | | | 7,5 | Im Diagramm von W nur schwach angedeutet. |
| 10. | | eL | $0^h\ 10^m$ | | | | | | | |
| | | $M_1$ | $20^m$ | 28 | 28 | 8? | 22 | 17 | 367? | |
| | | $M_{2NV}$ | $22^m$ | | 42 | 42 | | 63 | 294 | |
| | | $M_{3V}$ | $26^m$ | | | 32 | | | 236 | |
| | | $i_N$ | $27^m\ 37^s$ | | 11 | | | 19 | | |
| | | $M_{4V}$ | $36^m$ | 16 | 16 | 19 | 11 | 11 | 101 | = $M_{2E}$, $M_{3N}$. |
| | | C | | | 10—15 | | | | | |
| | | F | $1^h,9$ | | | | | | | |
| 13. | IIv | $eP_{EN}$ | $0^h\ 24^m,2$ | | | | | | | Aus Kroatien gemeldet. |
| | | $eP_V$ | $24^m\ 32^s$ | | | 4 | | | 1 | Herd wahrscheinlich im Kulpatal (südlich von Agram). |
| | | $i?L_V$ | $51^s$ | | | 5 | | | 1,6 | |
| | | $i?L_{EN}$ | $25^m\ 1^s$ | | | | | | | |
| | | $M_{1EN}$ | $10^s$ | 3 | 3 | | 6,3 | 4,6 | | |
| | | $M_{2E}$ | $17^s$ | 7 | | 2,5 | 7,6 | | 7 | = $M_{1V}$. |
| | | $M_{2N}$ | $39^s$ | | 7 | | | 3,6 | | |
| | | $M_{2V}$ | $43^s$ | | | 5 | | | 8 | |
| | | C | | | 1—2 | | | | | |
| | | F | $31^m$ | | | | | | | |
| 16. | I | eL | $0^h\ 37^m$ | | | | | | | Im Diagramm von W nur angedeutetes Beben. |
| | | | $38^m$ | | | 17 | | | 2 | |
| | | F | $1^h,0$ | | | | | | | |
| 18. | | | $8^h$—$23$ | | | | | | | Ganz leichte Pulsationen. |
| 22. | Iu | $iP_V$ | $13^h\ 8^m\ 10^s$ | | 6 | 8 | | 0,7 | ca. 21 | = $eP_N$. In starker Mi. B. gelegenes Beben. |
| | | $eP_E$ | $23^s$ | 6 | | | 0,8 | | | |
| | | $PR_{EV}$ | $11^m\ 58^s$ | 7 | | 8 | 0,6 | | 3,5 | |
| | | $eS_V$ | $19^m\ 36^s$ | | | 11 | | | 3,2 | |
| | | eL | $14^h\ 7^m$ | | | | | | | |
| | | $M_{1V}$ | $20^m$ | | | 20 | | | 17 | |
| | | $M_E$ | $21^m$ | 16 | | | 0,6 | | | |
| | | $M_{2V}$ | $27^m$ | | | 17 | | | 19,2 | |
| | | $M_N$ | $31^m$ | | 18 | | | 0,8 | | |
| | | F | $15^h,1$ | | | | | | | |
| 23. | | i | $18^h\ 55^m\ 2^s$ | | | 5 | | | 2,5 | Ein Stoß! mit schwacher Nachstörung auch in E u. N. Die Mi. B. scheint bis $19^h,1$ gestört zu sein. |
| 23. | | i | $19^h\ 42^m\ 4^s$ | | | 5 | | | 2,9 | Ein Stoß! mit unregelmäßiger Nachstörung; in E u. N nur schwach. |
| | | F | $47^m$ | | | | | | | |
| 23. | I | eL | $23^h\ 15^m$ | | | | | | | |
| | | | $28^m$ | | 20 | | | 1,4 | | |
| | | | $29^m$ | | | 22 | | | 31 | |
| | | | $30^m$ | 20 | | | 1 | | | |
| | | | $33^m$ | | | 22 | | | 15 | |
| | | F | 24,0 | | | | | | | |
| 24. | Iv | $e_{EN}$ | $0^h\ 17^m\ 33^s$ | 1 | 1 | | 0,4 | 0,4 | | Der Mi. B. überlagertes Beben. |
| | | $e_V$ | $42^s$ | | | 1 | | | 1,5 | In Kroatien gefühlt. |
| | | F | $18^m,4$ | | | | | | | |
| 27. | I | e | $15^h,0$ | | | | | | | Einige wenige Wellen; in Verkehrsstörung gelegen. |
| | | | $3^m$ | | | 11 | | | 3 | |
| | | F | $15^h,1$ | | | | | | | |
| 28. | | | $12^h,3$—$12^h,5$ | | | | | | | Die starke Mi. B. scheint durch Beben gestört zu sein. |
| 29. 30. | | | $7^h$ bis $7^h$ | | | | | | | Schwache Pulsationen. |

W. Pechau.

BUCHDRUCKEREI ANT. KÄMPFE, JENA

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## 1909. Dezember.

| Dez. | Char. | Phasen | Zeiten | T E-W | T N-S | T Vert. | $A_\mu$ E-W | $A_\mu$ N-S | $A_\mu$ Vert. | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|
| 3. | I | eL | $4^h\,17^m$ | | | | | | | In E nur angedeutetes Beben (in starker Mi. B. gelegen). |
| | | M? | $25^m$ | | 20 | 22 | | 0,5 | 20? | |
| | | F | $5^h,0$ | | | | | | | |
| 4. | | | $2^h,2-2^h,3$ | | | | | | | In starker Mi. B. nur einige wenige unsichere Wellen. |
| 8. | Iu | eP? | $9^h\,20^m\,32^s$ | | | 4 | | | 1 | Im Diagramm von W nur angedeutet. |
| | | eL | $10^h\,10^m$ | | | | | | | In E Hauptbeben sehr unregelmäßig. |
| | | $M_{1EV}$ | $13^m$ | 18 | | 33 | 1,5 | | 18 | |
| | | $M_{2V}$ | $18^m$ | | 22 | 19 | | 1,9 | 23 | = $M_N$. |
| | | $M_{2E}$ | $24^m$ | 18 | | | 0,8 | | | |
| | | C | | | | 12-15 | | | | |
| | | F | $11^h,2$ | | | | | | | |
| 9. | IIu | $i_1P_V$ | $15^h\,53^m\,20^s$ | | | 9 | | | 5 | $eP_{EN}$ bei $55^m$. |
| | | $i_2V$ | $55^m\,38^s$ | 9 | 9 | 9 | 0,5 | 0,3 | 11 | = $c_{EN}$. |
| | | $i_1PR_1V$ | $56^m\,42^s$ | 8 | 8 | 9 | 3,9 | 2,1 | ca. 10 | = $iPR_E$. Fällt in die Minutenmarke. |
| | | $i_2PR_1V$ | $58^m\,12^s$ | | | 10 | | | 13 | |
| | | $PR_{1E}$ | $20^s$ | 8 | | | 2,7 | | | Reflexion des zweiten Stoßes. |
| | | $eS_N$ | $16^h\ 7^m,9$ | | | | | | | Eben angedeutet. |
| | | $eS_V$ | $8^m\,13^s$ | | | 11 | | | 6 | |
| | | | $13^m,4$ | 17 | | | 5,4 | | | |
| | | $SR_E$ | $15^m\,45^s$ | 11 | | | 2,7 | | | |
| | | $SR_{1V}$ | $49^s$ | | | 11 | | | 4,6 | |
| | | $i_1SR_{2V}$ | $18^m\,57^s$ | | | 8 | | | 3,1 | |
| | | $i_2SR_{2V}$ | $19^m\,39^s$ | | | 8 | | | 3,1 | |
| | | eL | $35^m$ | | | | | | | |
| | | | $38^m$ | 30 | | | 21 | | | |
| | | $M_{1EN}$ | $41^m$ | 26 | 26 | | 26 | 15 | | |
| | | $M_{1V}$ | $47^m$ | 28 | | 28 | 45 | | 239 | = $M_{2E}$. Auftreten regelmäßiger Schwebungen. |
| | | $M_{2NV}$ | $52^m$ | 20 | 20 | 20 | 9 | 20 | 105 | |
| | | $M_{3NV}$ | $56^m$ | | 19 | 19 | | 12 | 87 | |
| | | C | | | 12—15 | | | | | |
| | | F | $18^h,6$ | | | | | | | |
| 9. | | | $21^h,4-21^h,6$ | | | | | | | Die Mi. B. scheint durch Beben gestört zu sein. |
| 9. | Iu | iP | $22^h\ 8^m\,17^s$ | | | 5 | | | 2,4 | Schon von $21^h\,56^m$ ab sind in den Diagrammen von W u. V der starken Mi. B. Wellen überlagert, so daß die hier mit iP bzw. eP bezeichnete Phase vielleicht bereits PR ist. |
| | | $eP_{EN}$ | $19^s$ | 5 | 5 | | 0,4 | 0,3 | | |
| | | $PR_V$ | $14^m\,44^s$ | | | 7 | | | 3 | |
| | | eS | $21^m\,21^s$ | | | 12 | | | 3 | |
| | | eL | $42^m$ | | | | | | | Im Diagramm von W nur sehr schwach. |
| | | $M_1V$ | $56^m$ | 19 | 19 | 19 | 1 | 1 | 31 | |
| | | $M_2V$ | $23^h\ 4^m$ | | | 21 | | | 31 | |
| | | $M_3V$ | $9^m$ | 16 | 16 | 16 | 1,2 | 3 | 20 | = $M_{EN}$. |
| | | | ab $23^h,5$ | | | | | | | Durch Mi. B. vernichtet. |
| 9. | Iu | $i_1P_V$ | $23^h\,46^m\ 5^s$ | | | 8 | | | 6,2 | |
| | | $eP_N$ | $16^s$ | | 4 | | | 0,4 | | |
| | | $eP_E$ | $28^s$ | 4 | | | 0,4 | | | |
| | | $i_2P_V$ | $47^m\,32^s$ | 3 | 3 | 8 | 4 | 2 | 20 | = $iP_{EN}$ zweiter Stoß! |
| | | PR | $49^m\,40^s$ | | | 8 | | | 12,3 | Im Diagramm von W nur schwach. |
| | | $i_1S_{EN}$ | $53^m\,26^s$ | 8 | 8 | | 10 | 4 | | |
| | | $i_2S_{EN}$ | $54^m\ 6^s$ | 8 | 7 | | 5 | 4 | | |