

Hauptstation für Erdbebenforschung, Feua  
Mitteilungen über Erdbeben in den Jahren  
1912 u. 1913.

Mitteilungen v. deutschen Erdbebenwarten  
1920, 1921, 1922.

HAUPTSTATION FÜR ERDBEBENFORSCHUNG  
IN JENA, FRÜHER IN STRASSBURG.

Jm MÄRZ 1922.



MITTEILUNGEN DER DEUTSCHEN ERDBEBENWARTEN  
SOWIE EINIGER AUSLANDSSTATIONEN  
ÜBER DIE AUFZEICHNUNGEN DES BEBENS VOM 17. JANUAR 1922  
MIT TAFEL XX - XXV

JNSTRUMENTALKONSTANTEN

| Station    | Kompo-<br>nente | Masse<br>kg | $T_0$ | V     | $\epsilon$ | $r/T_0^2$ |
|------------|-----------------|-------------|-------|-------|------------|-----------|
| Aachen     | N               | 1000        | 12,6  | 190   | 3,5        |           |
|            | O               |             | 12,6  | 181   | 3,9        |           |
| Göttingen  | N               | 1200        | 11,3  | 150   | 3,3        |           |
|            | O               |             | 12,8  | 160   | 4,4        |           |
| Hamburg    | N               | 1000        | 9,3   | 220   | 4,5        | 0,0068    |
|            | O               |             | 9,8   | 230   | 5          | 0,0034    |
|            | Z               | 1260        | 5,9   | 230   | 5,5        | 0,015     |
| Heidelberg | N               | 2100        | 10,31 | 87,1  | 11,2       | 1,36      |
|            | O               |             | 8,57  | 133,2 | 11,8       | 0,94      |
| Hohenheim  | N               | 450         | 9,0   | 155   | 5:1        | 0,005     |
|            | O               | 50          | 6,0   | 30    | 3:1        | 0,005     |
| Jena       | N               | 1200        | 10,3  | 205   | 4,1        |           |
|            | O               |             | 10,7  | 190   | 4,0        |           |
| Karlsruhe  | N               | 140         | 8,0   | 100   | 4,1        | 3,5 mm    |
| Königsberg | N               | 985         | 10,5  | 179,1 | 3,3        | 1,8       |
|            | O               |             | 11,5  | 168,8 | 3,2        | 2,1       |
|            | Z               | 1300        | 2,7   | 214,3 | 3,6        | 1,25      |
| München    | N               | 1000        | 10,3  | 190   | 4,6        | 0,0041    |
|            | O               |             | 10,5  | 195   | 4,7        | 0,0040    |
| Nördlingen | O               | 465         | 5,4   | 150   | 4,4        | 0,035     |
| Wien       | N               | 1000        | 9,3   | 149   | 4,9        | 0,0014    |
|            | O               |             | 10,9  | 152   | 4,6        | 0,0018    |
|            | Z               | 1300        | 3,0   | 180   | 4,2        | 0,0022    |
| Zürich     | N               | 450         | 4,6   | 211   | 3,6        |           |
|            | O               |             | 4,9   | 239   | 4,0        |           |
| Barcelona  | N               | 141,2       | 9,2   | 72    | 3,3        | 0,016     |
|            | O               | 130,0       | 8,6   | 66    | 3,2        | 0,011     |
| Upsala     | N               | 1000        | 10,0  | 190   | 3,7        | 0,007     |
|            | O               |             | 9,5   | 192   | 3,9        | 0,008     |
| Vassijaure | N               | 130         | 8,5   | 72    | 3,4        | 0,5 mm    |
| Tortosa    | N               | 1500        | 15    | 190   | 3,5        | 0,0033    |

Die Erdbebenwarte Breslau war ausser Betrieb; von Darmstadt -  
Jugenheim sind Aufzeichnungen nicht eingegangen.  
Die Apparate der Erdbebenwarten Durlach und Leipzig befanden  
sich zurzeit des Erdbebens in Reparatur.  
Die Aufzeichnungen der seismischen Station Cartuja, die an  
sich ein sehr detailliertes Bild der Störung geben, konnten aus technischen  
Gründen hier leider nicht wiedergegeben werden.

| Pha-<br>sen                 | Zeiten<br>h m s       | Peri-<br>oden<br>s | Ampli-<br>tuden | Pha-<br>sen                | Zeiten<br>h m s | Peri-<br>oden<br>s | Ampli-<br>tuden |
|-----------------------------|-----------------------|--------------------|-----------------|----------------------------|-----------------|--------------------|-----------------|
| GÖTTINGEN $\Delta=8260$ km  |                       |                    |                 | HAMBURG $\Delta=8420$ km   |                 |                    |                 |
| ePE                         | 4 2 20                | 5                  |                 | iPZ                        | 4 2 22          |                    |                 |
| ePN                         | 24                    | 5                  |                 | iz                         | 4 (49)          |                    |                 |
| iSE                         | 11 53                 | 10                 | 10,9            | PRiN                       | 5 1             |                    |                 |
| iE                          | 13 25                 | 11                 | 39,1            | iz                         | 6 22            |                    |                 |
| i                           | 16 34                 | {13E               | 70,1            | iSN,E                      | 12 3            |                    |                 |
|                             |                       | {12N               | 117,4           | (SR)iN                     | 16 38           |                    |                 |
| iSR <sub>1</sub> E          | 17 20                 | 15                 | 63,5            | eLN                        | 21 54           | 24                 | 350             |
| iE                          | 18 45                 | 24                 | 241,6           | eLE                        | 24              | 11                 | 60              |
| iN                          | 22 1                  | 19                 | 252,8           | eLN                        | 25              | 9                  | 50              |
| L                           | nicht ausgeprägt      |                    |                 | MZ                         | 33              | 24                 | 110             |
|                             |                       |                    |                 | MZ                         | 36              | 20                 | 74              |
|                             |                       |                    |                 | ME                         | 36              | 20                 | 160             |
|                             |                       |                    |                 | F                          | 6,3 h           |                    |                 |
| HEIDELBERG $\Delta=8170$ km |                       |                    |                 | HOHENHEIM $\Delta=8520$ km |                 |                    |                 |
| iPE                         | 4 2 17                |                    |                 | P                          | 4 2 21          |                    |                 |
| iPN                         | 2 20                  |                    |                 | PR <sub>1</sub> E          | 6 9             |                    |                 |
| PR <sub>1</sub>             | 5 44                  |                    |                 | S                          | 12 7            |                    |                 |
| iS                          | 11 45                 |                    |                 | L                          | 15 42           |                    |                 |
| L                           | 11 58                 |                    |                 | KARLSRUHE $\Delta=8550$ km |                 |                    |                 |
| M <sub>1</sub> E            | 12 19                 |                    |                 | iP                         | 4 2 22          |                    |                 |
| M <sub>1</sub> N            | 12 14                 |                    |                 | iS                         | 12 10           |                    |                 |
| M <sub>2</sub> E            | 16 19                 |                    |                 |                            |                 |                    |                 |
| M <sub>2</sub> N            | 16 15                 |                    |                 |                            |                 |                    |                 |
| F                           | 6 h                   |                    |                 |                            |                 |                    |                 |
| JENA $\Delta=8340$ km       |                       |                    |                 | MÜNCHEN $\Delta=8350$ km   |                 |                    |                 |
| ePN                         | 4 2 16                |                    |                 | eP                         | 4 2 26          |                    |                 |
| iPE                         | 2 20                  | 3                  | 2               | iPE                        | 2 40            | 4                  | 4,0             |
| R <sub>1</sub> PE           | 4 51                  | 3                  | 10              | iSE                        | 12 3            | 7                  | 18,6            |
| iS                          | 11 57                 | 9                  | 12              | eL                         | 13              |                    |                 |
| iN                          | 12 28                 | 15                 | 93              | ME                         | 17              | 19                 | 14,7            |
| iN                          | 16 37                 | 13                 | 145             | MN                         | 17              | 12                 | 18,1            |
| L                           | nicht ausgeprägt      |                    |                 | F                          | 6               |                    |                 |
| F                           | 5 1/2 h               |                    |                 |                            |                 |                    |                 |
| NÖRDLINGEN $\Delta=8400$    |                       |                    |                 | ZÜRICH $\Delta=8350$ km    |                 |                    |                 |
| PE                          | 4 2 20                | 3                  | 0,2mm           | eP                         | 4 2 14          |                    | 0,1             |
| S                           | 12 0-3 (Minutenlücke) |                    |                 | e                          | 14              | 2,9                | 0,7             |
| eL                          | 16                    |                    |                 | iPE                        | 17              | 4,1                | 1,6             |
| ME                          | 17,9                  | 5                  | 2,1mm           | iPN                        | 23              | 1,2                | 1,2             |
| F                           | 5 1/2 h               |                    |                 | iSE                        | 11 51           | 5,5                | 14              |
|                             |                       |                    |                 | iSN                        | 51              | 4,3                | 5,2             |
|                             |                       |                    |                 | ME                         | 12 16           | 5,3                | 57              |
|                             |                       |                    |                 | MN                         | 13              | 5,3                | 151             |

# Tafel XX. Beben vom 17. Januar 1922

AACHEN-N-S

1Min.

4h 3m Uhrkorr.?

O-W

1Min.

FELDBERG (Taunus-Obs.)

4h 4m

1Min.

Uhrkorr.?

4h 4m

1Min.

GÖTTINGEN

4h 2m 15

1Min.

4h 2m 15

1Min.

HAMBURG

4h 1m 45

1Min.

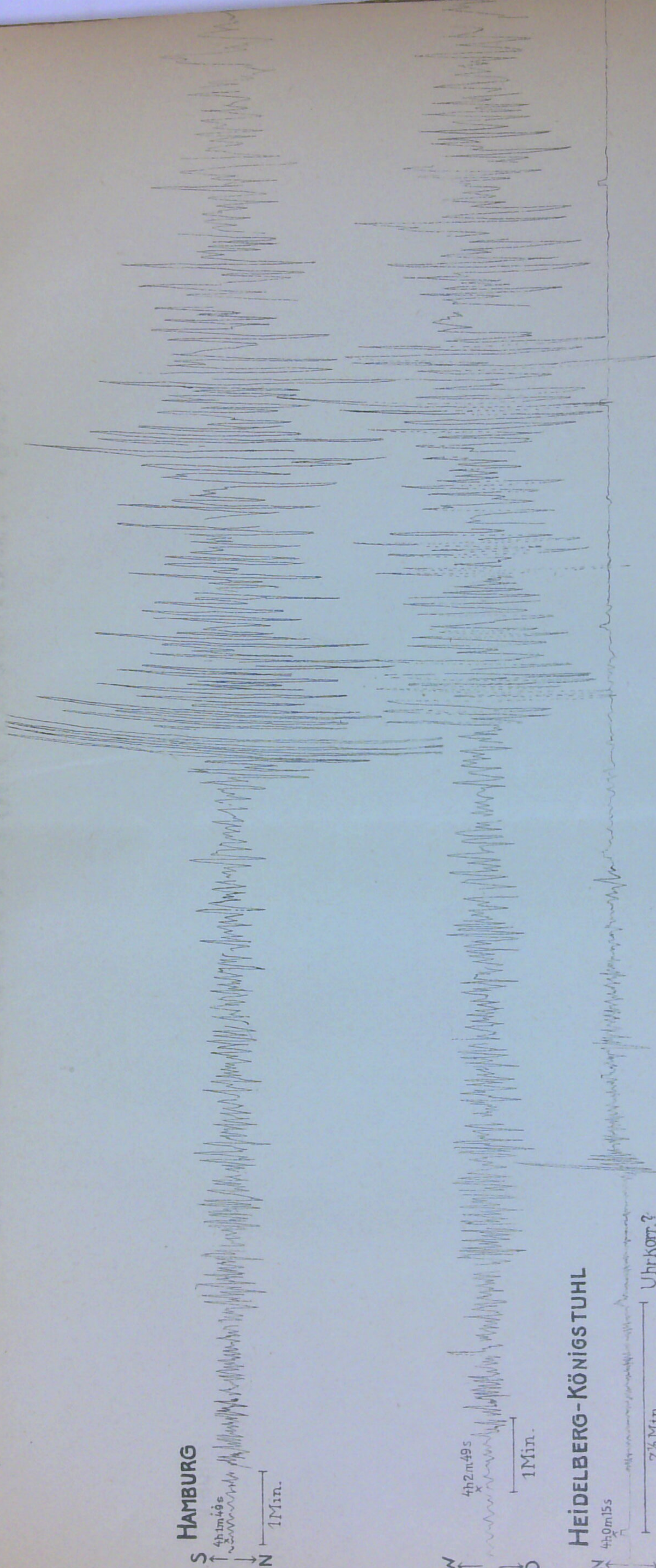


International  
Seismological  
Centre

# Tafel XXI. Beben vom 17. Januar 1922

## HAMBURG

4h 2m 49s  
S ↑  
N ↓  
1 Min.

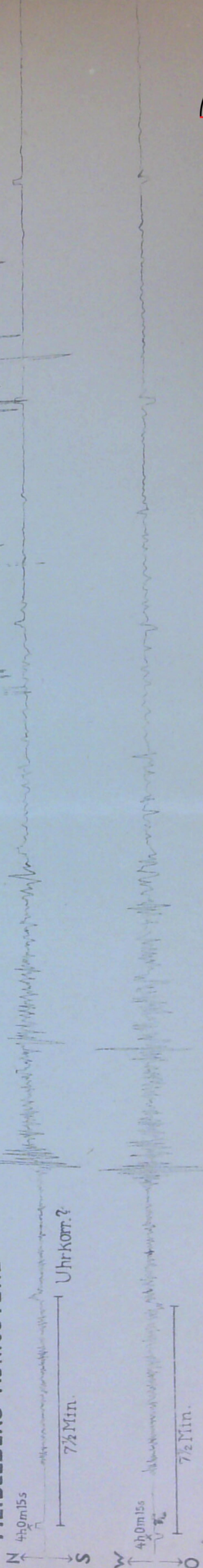


## HEIDELBERG-KÖNIGSTUHL

4h 0m 15s  
N ↑  
S ↓  
7 1/2 Min. Uhr korr.?

4h 2m 49s  
W ↑  
O ↓  
1 Min.

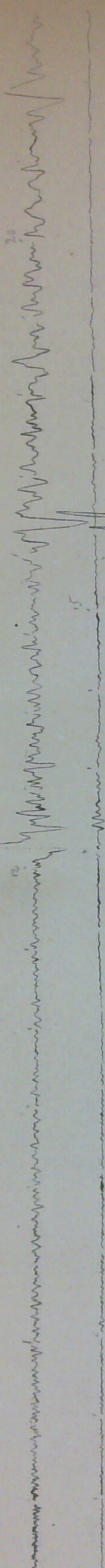
4h 0m 15s  
W ↑  
O ↓  
7 1/2 Min.



# Tafel XXII. Beben vom 17. Januar 1922

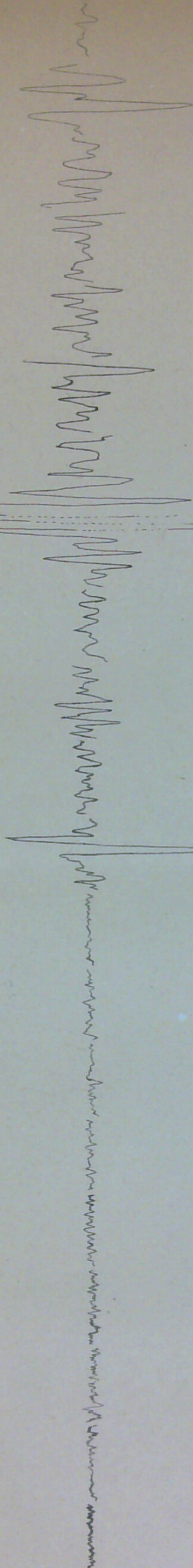
HOHENHEIM

S  
4h1m59s  
N  
1Min.  
W  
4h1m50s  
O  
1Min.



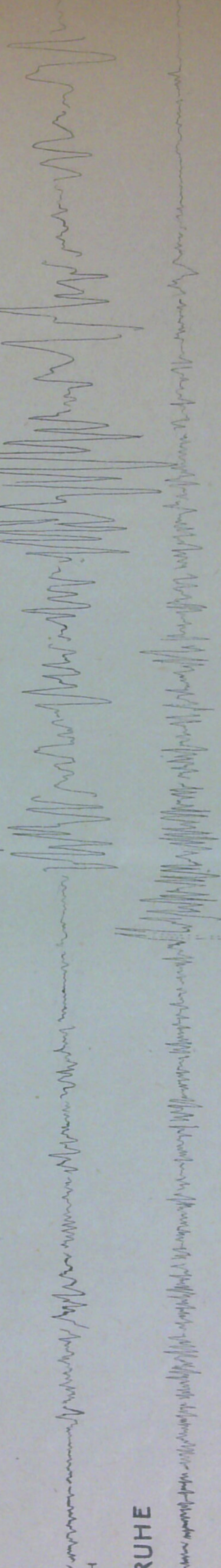
JENA

4h2m1s  
N  
1Min.  
S



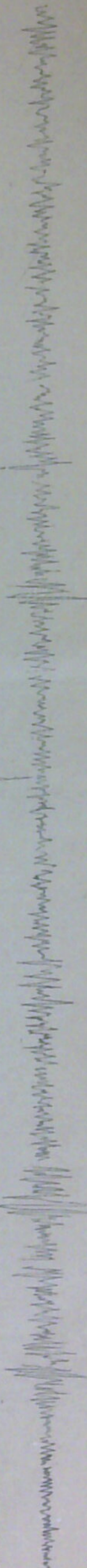
KARLSRUHE

4h2m1s  
O  
1Min.  
W  
4h1m30s  
1Min.



KÖNIGSBERG Z

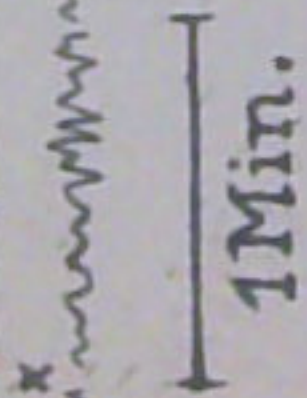
4h2m3/4s  
N  
1Min.



# Tafel XXIII. Beben vom 17. Januar 1922

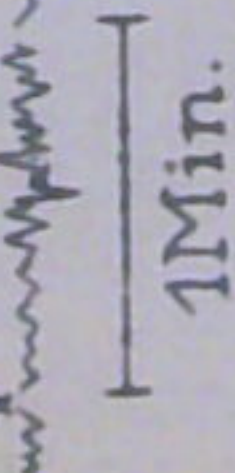
## KÖNIGSBERG N-S

4h2m34s



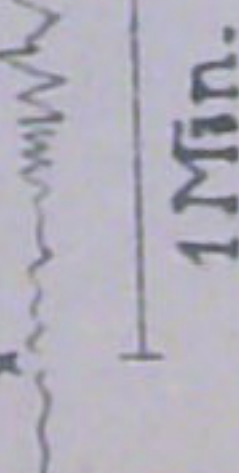
## O-W

4h2m34s



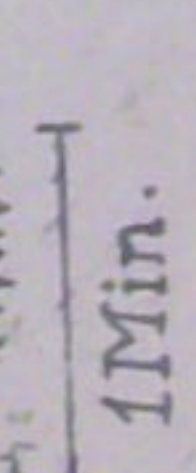
## MÜNCHEN-BOGENHAUSEN

4h2m45



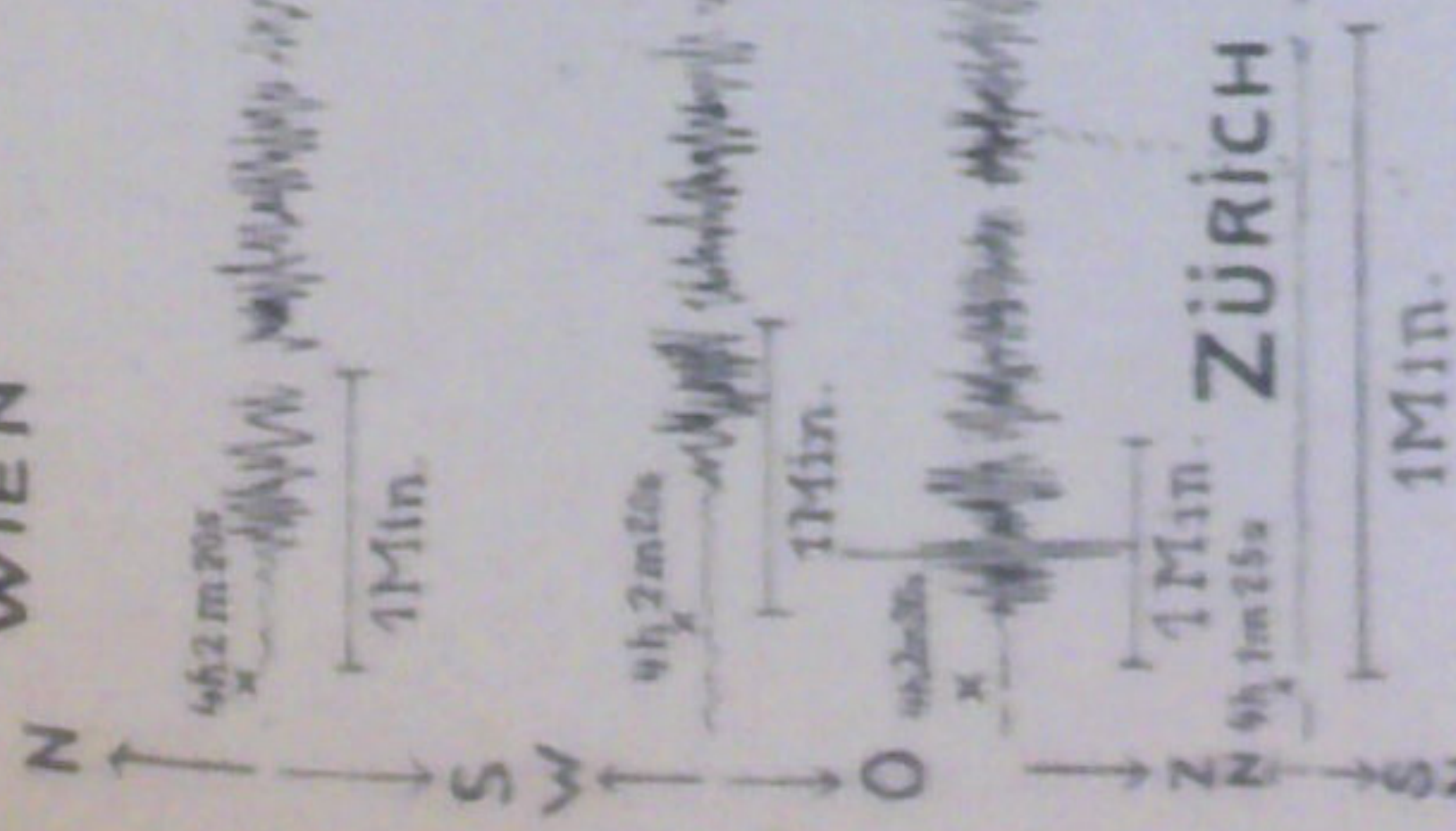
## NÖRDLINGEN O-W

4h2m45

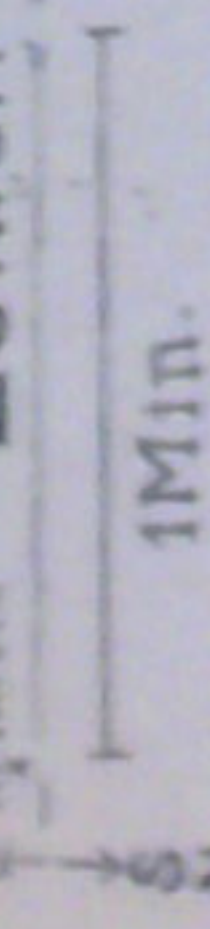


# Tafel XXIV. Beben vom 17. Januar 1922

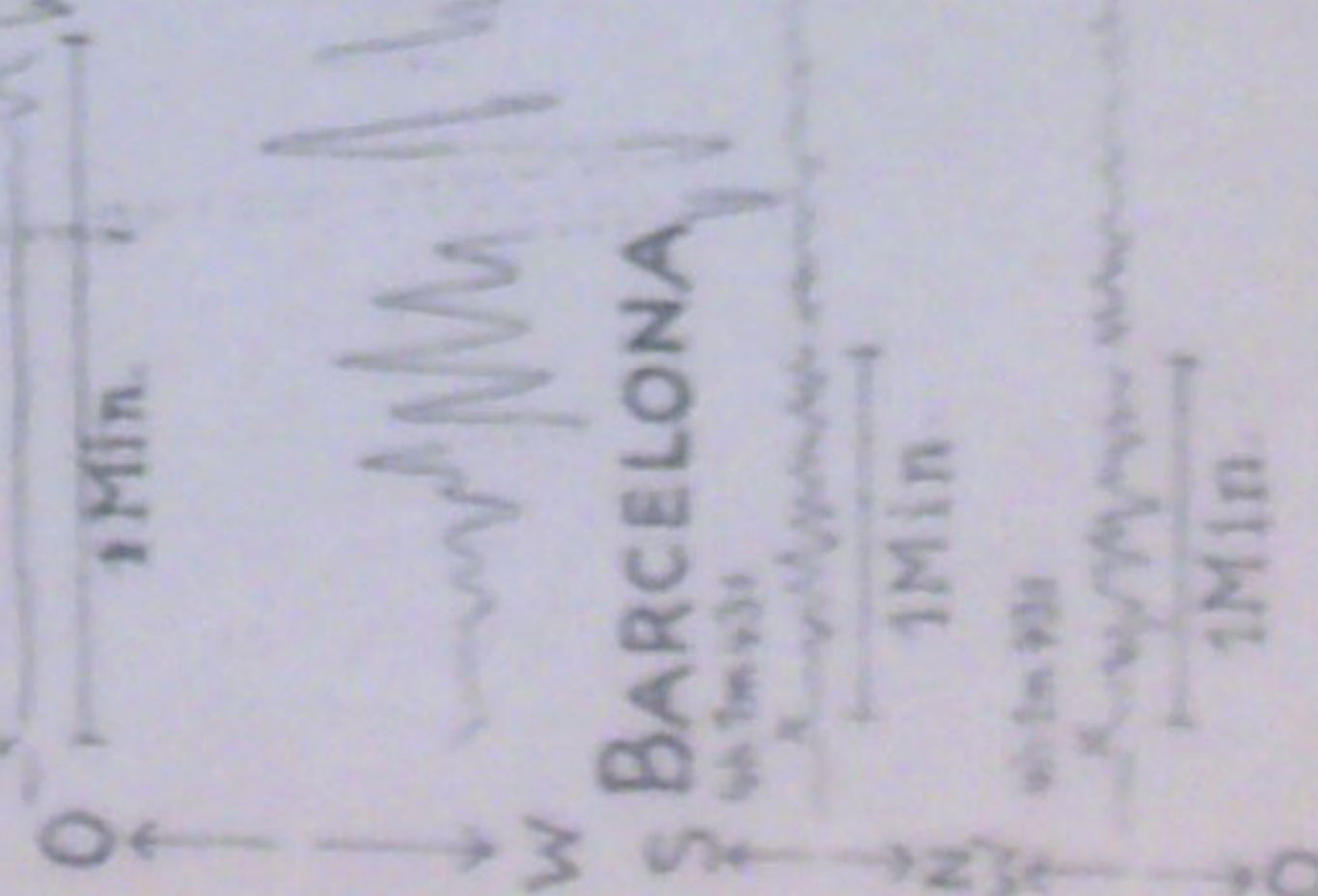
WIEN



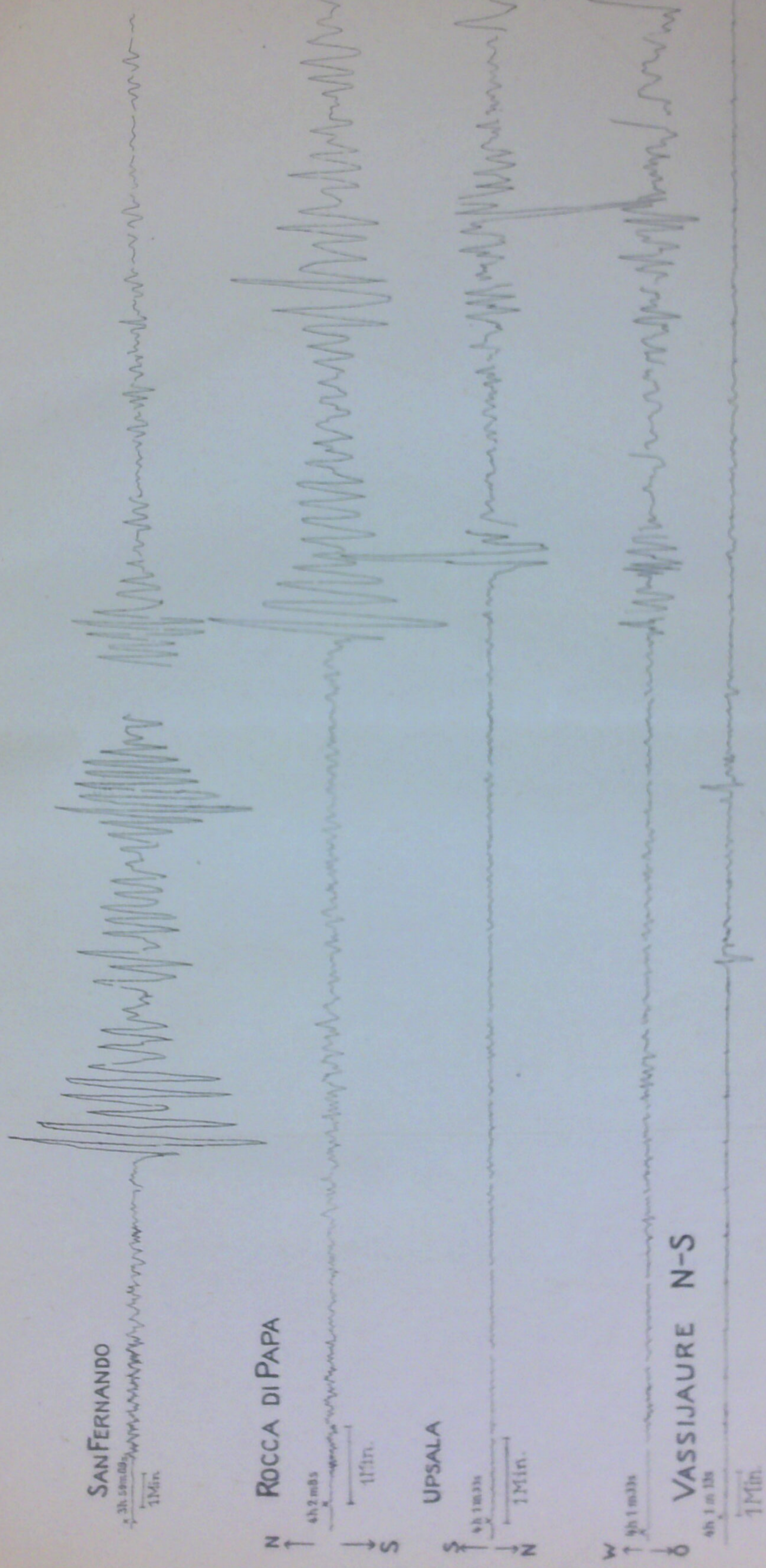
ZÜRICH



462 m 15s



# Tafel XXV. Beben vom 17. Januar 1922



| Pha-<br>sen                 | Zeiten<br>h m s | Peri-<br>oden<br>s | Ampli-<br>tuden | Pha-<br>sen                    | Zeiten<br>h m s | Peri-<br>oden<br>s | Ampli-<br>tuden |
|-----------------------------|-----------------|--------------------|-----------------|--------------------------------|-----------------|--------------------|-----------------|
| KÖNIGSBERG $\Delta=8470$ km |                 |                    |                 | BARCELONA $\Delta=8080$ km     |                 |                    |                 |
| ePz                         | 4 2 51          |                    |                 | PN                             | 4 1 45          | { 4,5<br>0,9       |                 |
| iPzEN                       | 3 6             | 4                  |                 | PE                             | 46              | { 6,4<br>0,9       |                 |
| E                           | 5 24            | 6                  |                 | ?E                             | 4 5             | 8,5                |                 |
| Z                           | 26              |                    |                 | R <sub>1</sub> PN              | 5 14            | 5,0                |                 |
| E                           | 7 2             |                    |                 | R <sub>1</sub> PE              | 8               | 8,0                | 19              |
| Z                           | 4               |                    |                 | R <sub>2</sub> PE              | 7 8             | 8,0                |                 |
| SN,E                        | 12 35           | 8                  |                 | iSN                            | 11 9            | 11,1               | 110             |
| PSZ                         | 13 14           |                    |                 | iSE                            | 12              | 8,0                | 91              |
| PSN,E                       | 22              | 4                  |                 | ?N                             | 15 11           | 20,0               | 376             |
| E                           | 13 34           |                    |                 | ?E                             | 13              | 7,0                | 42              |
| E                           | 14 44           |                    |                 | R <sub>1</sub> SE              | 16 55           | 16,0               | 175             |
| NE                          | 17 35           | 6                  |                 | R <sub>2</sub> SN              | 20 9            | 16,0               | 118             |
| NE                          | 20 12           | 12                 |                 | eLN                            | 21 54           | 41,0               |                 |
| E                           | 21 34           |                    |                 | eLE                            | 22 2            | 41,0               |                 |
| eLE                         | 24 34           | 42                 |                 | M <sub>1</sub> N               | 23 58           | 34,0               | 595             |
| eLZ                         | 25 4            |                    |                 | M <sub>1</sub> E               | 24 17           | 19,0               | 164             |
| MN                          | 29 30           | 24                 |                 | M <sub>2</sub> N               | 33 43           | 17,0               | 84              |
| F                           | 5 30            |                    |                 | M <sub>2</sub> E               | 29 5            | 25,0               |                 |
|                             |                 |                    |                 | FN                             | 6               |                    |                 |
|                             |                 |                    |                 | FE                             | 6 13            |                    |                 |
| WIEN $\Delta=8300$ km       |                 |                    |                 |                                |                 |                    |                 |
| ePz                         | 4 2 36          |                    |                 | iSE                            | 4 12 19         | 7                  | 30              |
| iPz                         | 2 38            | 3                  | -2              | iE                             | 12 24           | 9                  | 24              |
| PN                          | 41              |                    |                 | iN                             | 12 58           | 4,5                | 84              |
| iN                          | 45              |                    |                 | iE                             | 13 00           | 11                 | 33              |
| PE                          | 48              |                    |                 | iE                             | 15 56           | 5                  | 29              |
| iE                          | 51              | 3                  | 22              | iN                             | 17 8            | 9                  | 48              |
| iz                          | 56              | 3                  | 29              | iE                             | 17 16           | 9,5                | 77              |
| iN                          | 6 38            | 5                  | 24              | iE                             | 18 16           |                    | 103             |
| iN                          | 9 35            | 3,5                | 25              | iN                             | 18 20           |                    |                 |
| iN                          | 10 51           | 5                  | 21              | eLN                            | 26,8            |                    |                 |
| iN                          | 11 55           | 8,5                | 11              | eLE                            | 27,8            | 42                 |                 |
| iE                          | 12 4            | 4,5                | 7               | M <sub>1</sub>                 | 41,3            | { 7N<br>17E<br>17Z | 7<br>29<br>45   |
| S?N                         | 12 15           | 7                  | 19              | M <sub>2</sub>                 | 49              | 11,18              |                 |
|                             |                 |                    |                 | F                              | 6               |                    |                 |
| TORTOSA $\Delta=7900$ km    |                 |                    |                 | ROCCA DI PAPA $\Delta=8850$ km |                 |                    |                 |
| P                           | 4 1 39          |                    |                 | iP                             | 4 2 28          |                    |                 |
| iS                          | 10 53           |                    |                 | iS                             | 12 30           |                    |                 |
| L                           | 22 37           |                    |                 |                                |                 |                    |                 |
| M                           | 23 14           |                    |                 |                                |                 |                    |                 |

HAUPTSTATION FÜR ERDBEBENFORSCHUNG  
IN JENA, FRÜHER IN STRASSBURG.

Jm JUNI 1922.



MITTEILUNGEN DER DEUTSCHEN ERDBEBENWARTEN  
SOWIE EINIGER AUSLANDSSTATIONEN  
ÜBER DIE AUFZEICHNUNGEN DES BEBENS VOM 8. APRIL 1922  
MIT TAFEL XXVI - XXXII

INSTRUMENTALKONSTANTEN.

| Station               | Kompo-<br>nente | Masse<br>kg | $T_0$ | V     | $\epsilon$ | $r/T_0^2$ |
|-----------------------|-----------------|-------------|-------|-------|------------|-----------|
| Bochum                | N               | 1000        | 9,0   | 117   | 4,4        | 0,0012    |
|                       | O               |             | 9,0   | 140   | 4,2        | 0,0012    |
|                       | V               | 1300        | 3,4   | 180   | 2,1        | 0,01      |
|                       | N               | 200         | 7,2   | 68    | 8,0        | 0,009     |
|                       | O               |             | 6,8   | 67    | 5,0        | 0,008     |
| Feldberg<br>Göttingen | O               | 450         | 9,6   | 130   |            | 0,006     |
|                       | N               | 1200        | 11,3  | 155   | 3,1        | 0,45      |
|                       | O               |             | 12,9  | 162   | 4,3        | 0,6       |
|                       | N               | 1700        | 1,41  | 2720  | 6,7        | 0,22      |
|                       | Z               | 1300        | 4,9   | 168   | 4,34       | 0,2       |
| Hamburg               | N               | 1000        | 9,3   | 210   | 5          | 0,0064    |
|                       | O               |             | 9,9   | 220   | 5,5        | 0,0066    |
|                       | Z               | 1260        | 5,8   | 210   | 5          | 0,015     |
| Heidelberg            | N               | 2100        | 10,31 | 87,1  |            | 1,36      |
|                       | O               |             | 8,57  | 133,2 |            | 0,94      |
| Hohenheim<br>Jena     | N               | 450         | 9,0   | 155   | 5          | 0,005     |
|                       | N               | 1200        | 10,3  | 205   | 4,1        |           |
| Königsberg            | O               |             | 10,7  | 190   | 4,0        |           |
|                       | N               | 985         | 11,0  | 224   | 4,0        | 0,0331    |
|                       | O               |             | 11,3  | 161   | 4,7        | 0,0490    |
| München               | Z               | 1300        | 2,8   | 200   | 2,4        | 0,5103    |
|                       | N               | 1000        | 10,6  | 195   | 5,3        | 0,0056    |
|                       | O               |             | 11,0  | 195   | 5,4        | 0,0042    |
| Nördlingen            | O               | 465         | 5,4   | 150   | 4,4        | 0,035     |
|                       | N               | 1000        | 5     | 220   | 4          |           |
| Potsdam               | O               |             | 6     | 190   | 4          |           |
|                       | N               | 450         | 8,9   | 137   | 5          | 0,0078    |
|                       | O               |             | 9,2   | 140   | 4,5        | 0,0082    |
| Wien                  | N               | 1000        | 9,1   | 104   | 5,7        | 0,0082    |
|                       | O               |             | 10,7  | 138   | 4,6        | 0,0018    |
|                       | V               | 1300        | 3,0   | 186   | 5,2        | 0,0020    |
| Zürich                | N               | 450         | 4,8   | 223   | 3,2        |           |
|                       | O               |             | 4,9   | 235   | 2,9        |           |
|                       | Z               | 80          | 2,9   | 117   | 2,5        |           |
| Barcelona             | N               |             | 8,9   | 71    | 3,4        | 0,016     |
|                       | O               |             | 9,2   | 66    | 2,9        | 0,012     |
|                       | N               |             | 5,5   | 540   | 4          |           |
| Cartuja               | O               |             | 5,2   | 537   | 4          |           |
|                       | N               | 1000        | 9,8   | 187   | 3,6        | 0,009     |
| Upsala                | O               |             | 9,4   | 191   | 3,9        | 0,009     |
|                       | N               |             | 24,4  |       |            |           |
| De Bilt               | O               |             | 25,0  |       |            |           |
|                       | N               |             | 11,8  | 3412  |            |           |
| Abisko                | O               |             | 11,9  | 3558  |            |           |

Die Erdbebenwarte Breslau ist ausser Betrieb; die Seismometer zu Karlsruhe und Leipzig befanden sich zur Zeit des Erdbebens in Reparatur. Von Darmstadt-Jugenheim sind Aufzeichnungen hier nicht eingelaufen.

| Pha-<br>sen                  | Zeiten<br>h m s | Peri-<br>oden<br>s | Ampli-<br>tuden | Pha-<br>sen                     | Zeiten<br>h m s | Peri-<br>oden<br>s | Ampli-<br>tuden |
|------------------------------|-----------------|--------------------|-----------------|---------------------------------|-----------------|--------------------|-----------------|
| BOCHUM $\Delta = 2470$ km    |                 |                    |                 | FELDBERG 7NS $\Delta = 2730$ km |                 |                    |                 |
| iP <sub>2</sub>              | 20 47 12        | 4                  | 6,8             | eP                              | 20 46 58        |                    |                 |
| S                            | 51 15           | 8                  | 23              | iP                              | 47 2            | 7                  | 0,5             |
| eL                           | 53,5            | 20-30              |                 | S                               | 51 21           | 8                  | 1,0             |
| M <sub>1</sub>               | 58,7            | 13                 | 75              | eL                              | 55,5            | 11-17              | 7,5             |
| M <sub>2</sub>               | 21 0,3          | 10                 | 47              | M                               | 21              |                    |                 |
| F                            | 22              |                    |                 | F                               | 21 1/4          |                    |                 |
| GÖTTINGEN $\Delta = 2560$ km |                 |                    |                 | HEIDELBERG $\Delta = 2780$ km   |                 |                    |                 |
| iP <sub>2</sub>              | 20 47 12        | 3                  | ca. 5           | iP                              | 20 47 37        |                    |                 |
| iSE                          | 51 18           | 8                  | 10              | iS                              | 52 4            |                    |                 |
| iS <sub>2</sub>              | 51 22           |                    |                 | L                               | 57 48           |                    |                 |
| iSN                          | 51 27           | 8                  | 9               | M                               | 21 0 56         |                    |                 |
| iSE                          | 51 39           | 17                 | 55              | F                               | 49              |                    |                 |
| iSN                          | 51 39           | 9                  | 17              | HOHENHEIM $\Delta = 2820$ km    |                 |                    |                 |
| eLE                          | 53 08           |                    |                 | iP                              | 20 47 44        |                    |                 |
| eLN                          | 53 28           |                    |                 | S                               | 52 14           |                    |                 |
| M <sub>1</sub>               | 55 28           | 20                 | 42E<br>47N      | L                               | 55 05           |                    |                 |
| M <sub>2</sub> E             | 57 43           | 15                 | 80              | M                               | 21 00 08        |                    |                 |
| M <sub>2</sub> N             | 58 08           | 13                 | 55              | M                               | 02 22           |                    |                 |
| M <sub>3</sub> E             | 59 38           | 12                 | 67              |                                 |                 |                    |                 |
| M <sub>3</sub> N             | 21 01 58        | 11                 | 39              |                                 |                 |                    |                 |
| C                            |                 | 15                 |                 |                                 |                 |                    |                 |
| F                            | ca 22 20        |                    |                 |                                 |                 |                    |                 |
| HAMBURG $\Delta = 2200$ km   |                 |                    |                 | RAVENSBURG $\Delta = 2840$ km   |                 |                    |                 |
| iP <sub>2</sub>              | 20 46 59        |                    |                 | eP                              | 20 47 42        |                    |                 |
| iSE                          | 50 39           |                    |                 | iP                              | 47 54           |                    |                 |
| eL                           | 54,3            |                    |                 | eS                              | 52 13           |                    |                 |
| M <sub>E</sub>               | 57,3            | 12-13              | 118             | L                               | 55 05           |                    |                 |
| M <sub>Z</sub>               | 58,9            |                    | 59              | M                               | 21 00 40        |                    |                 |
| M <sub>N</sub>               | 59,3            |                    | 154             | M                               | 02 54           |                    |                 |
| C                            |                 | 9-12               |                 |                                 |                 |                    |                 |
| F                            | 22,3h           |                    |                 |                                 |                 |                    |                 |
| JENA $\Delta = 2510$ km      |                 |                    |                 | KÖNIGSBERG $\Delta = 2240$ km   |                 |                    |                 |
| iP                           | 20 47 27        |                    |                 | PZ, N                           | 20 47 10        | Z:2                | 3               |
| iN                           | 48              | 5                  | 24              |                                 |                 | N:5                | 10              |
| iE                           | 55              | 5                  | 9               | PE                              | 47 11           | 2                  | 5               |
| iS                           | 51 33           |                    |                 | EN                              | 47 46           | 5                  | 20              |
| M <sub>2</sub> N             | 52 12           | 9                  | 70              | SN                              | 50 54           | 6                  | 8               |
| MSE                          | 52 12           | 9                  | 34              | SE                              | 50 56           | 10                 | 20              |
| L                            | 53,5            | 27                 |                 | eLE, Z                          | 52 46           |                    |                 |
| MN                           | 21 01           | 12                 | 120             | eLN                             | 52 51           | 40                 | 120             |
| ME                           | 01              | 12                 | 100             | LE                              | 53 01           | 29                 | 170             |
| CN                           | 07              |                    |                 | MN                              | 54 6            | 29                 | 300             |
| CE                           | 05              |                    |                 | ME                              | 54 17           | 18                 | 300             |
| F                            | 22 h            |                    |                 | Z                               | 54 28           | 10                 | 50              |
|                              |                 |                    |                 | F nach 22 h                     |                 |                    |                 |
| MÜNCHEN $\Delta = 2990$ km   |                 |                    |                 | NÖRDLINGEN $\Delta = 3070$ km   |                 |                    |                 |
| iPN                          | 20 47 54        | 6                  | -0,7            | eP                              | 20 47 46        |                    |                 |
| ePE                          | 47 56           |                    |                 | iP                              | 47 48           | 3                  | -0,2            |
| iSN                          | 52 36           | 7                  | +6,4            | iS                              | 52 36           | 8                  | +0,7            |
| eL                           | 55              |                    |                 | eL                              | 54,5            |                    |                 |
| ME                           | 58,7            | 16                 | 7,9             | M                               | 21 2,0          | 13                 | 1,1             |
| MN                           | 21 1,0          | 11                 | 7,9             | F                               | 22,8            |                    |                 |
| F                            | 22,4            |                    |                 |                                 |                 |                    |                 |

# Tafel XXVI. Beben vom 8. April 1922

BOCHUM N-S

20h 46m 30s

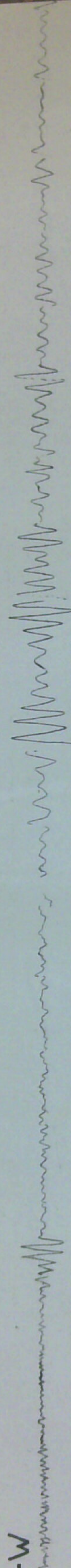
1 Min.



O-W

20h 46m 30s

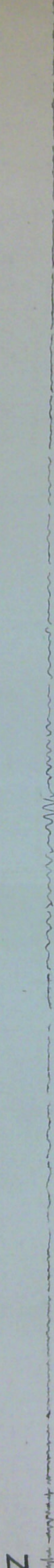
1 Min.



Z

20h 46m 30s

1 Min.



DURLACH (ohne Zeitmarken)

S

N

W

O

W



FELDBERG (Taunus-Obs.)

1 Min.

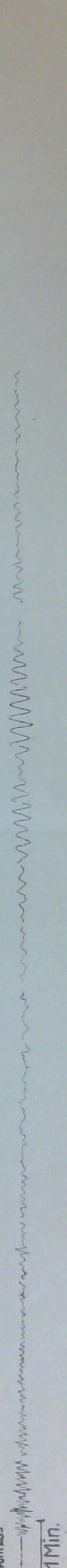
Uhrkopf?



GÖTTINGEN

20h 46m 28s

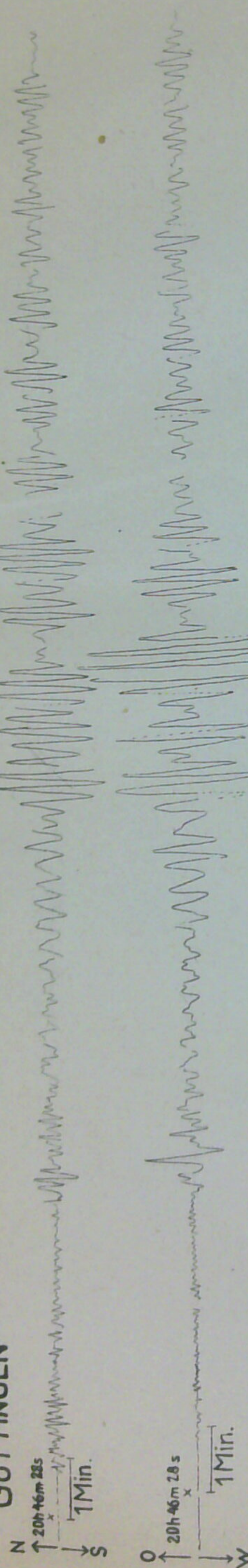
1 Min.



International  
Seismological  
Centre

# Tafel XXVII. Beben vom 8. April 1922

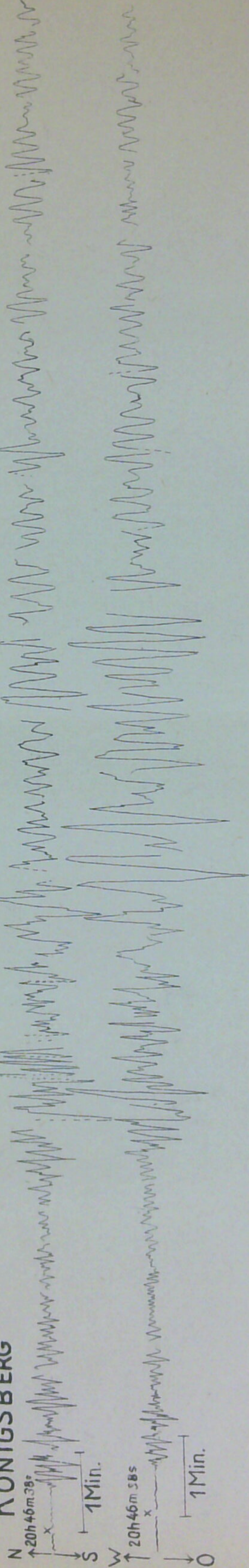
## GÖTTINGEN



20h 46m 28s N-S 17000 Kg

1 Min.

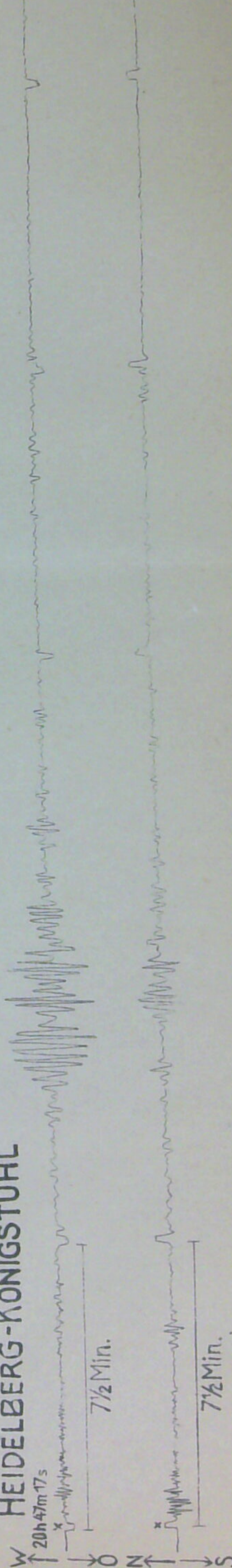
## KÖNIGSBERG



Z 20h 46m 38s

1 Min.

## HEIDELBERG-KÖNIGSTUHL



# Tafel XXVIII. Beben vom 8. April 1922

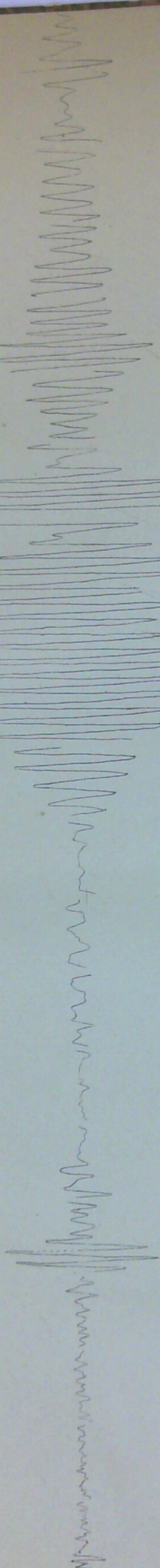
## HOHENHEIM

20h 47m  
N



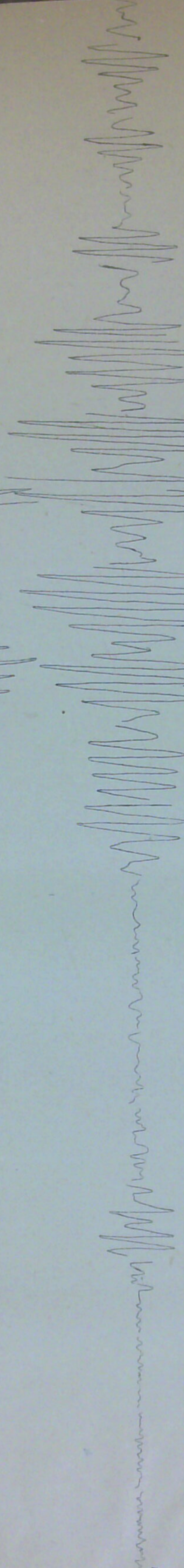
N JENA

20h 47m 08s  
N



20h 47m  
O

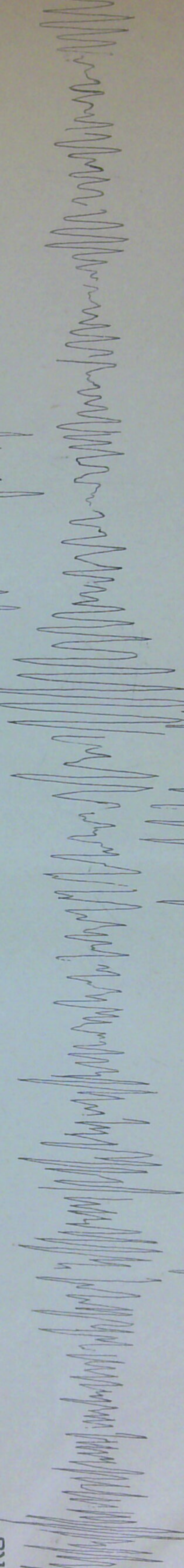
W



## HAMBURG

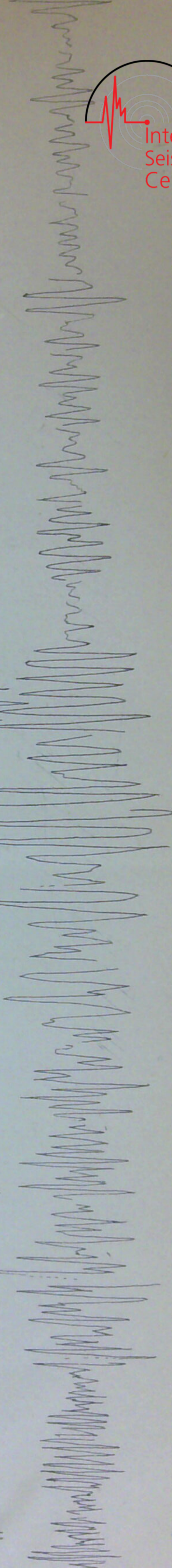
20h 46m 38s  
S

N



20h 46m 38s  
W

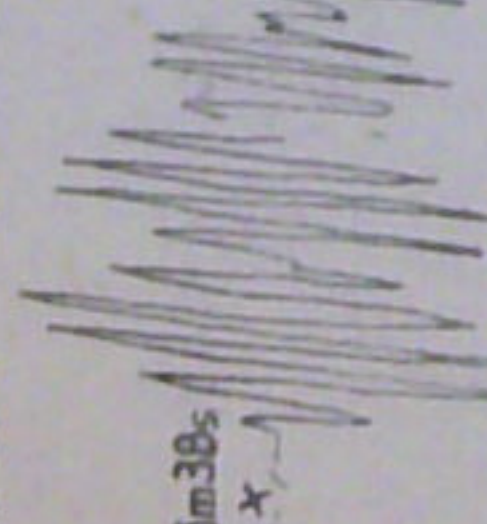
O



# Tafel XXIX. Beben vom 8. April 1922

HAMBURG

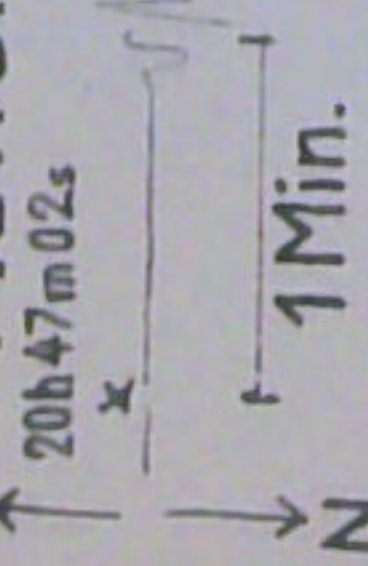
Z 20h 46m 38s



1 Min.

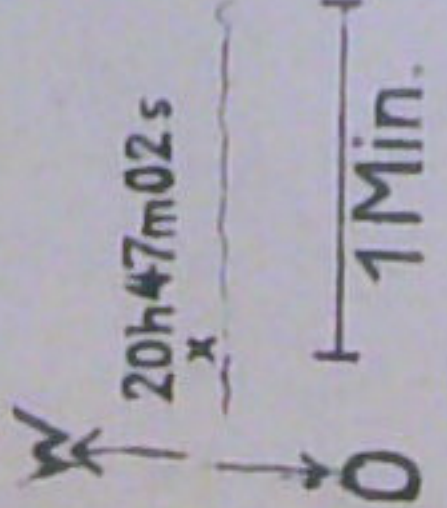
S MÜNCHEN-BOGENHAUSEN

20h 47m 02s



1 Min.

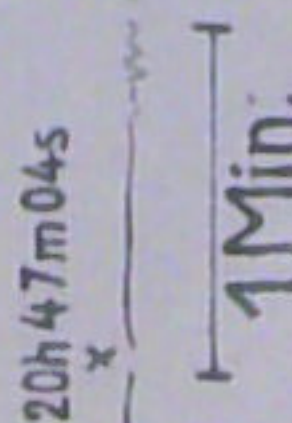
20h 47m 02s



1 Min.

NÖRDLINGEN O-W

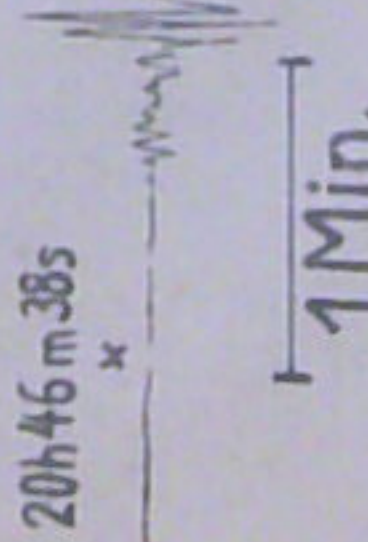
20h 47m 04s



1 Min.

POTSDAM N-S

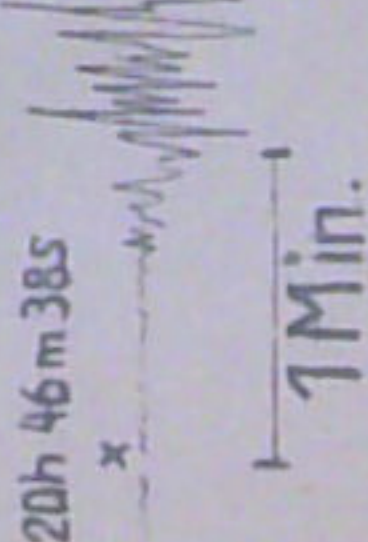
20h 46m 38s



1 Min.

O-W

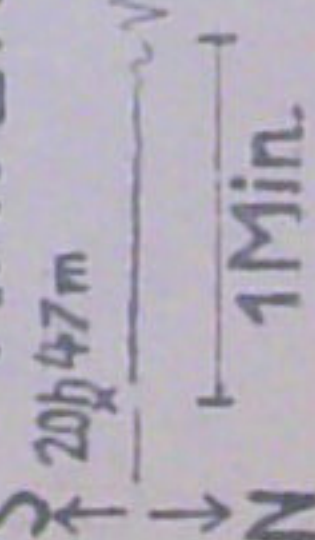
20h 46m 38s



1 Min.

RAVENSBURG

20h 47m



1 Min.

# Tafel XXX. Beben vom 8. April 1922

RAVENSBURG

20h 47m  
1 Min.

WIEN

20h 47m 53s  
1 Min.

20h 47m 53s  
1 Min.

20h 47m 53s  
1 Min.

ZÜRICH

20h 47m 13s  
1 Min.

20h 47m 13s  
1 Min.

BARCELONA-FABRA

20h 47m 13s  
1 Min.

20h 47m 56s  
1 Min.



# Tafel XXXI. Beben vom 8. April 1922

BARCELONA-FABRA

20h 47m 56s

1 Min.

CARTUJA N-S

20h 48m 13s

1 Min.

O-W

20h 48m 13s

1 Min.

TORTOSA (Obs. del Ebro) O-W

20h 49m 02s

1 Min.

ROCCA DI PAPA N-S

20h 48m

1 Min.

NEAPEL N-S

20h 49m

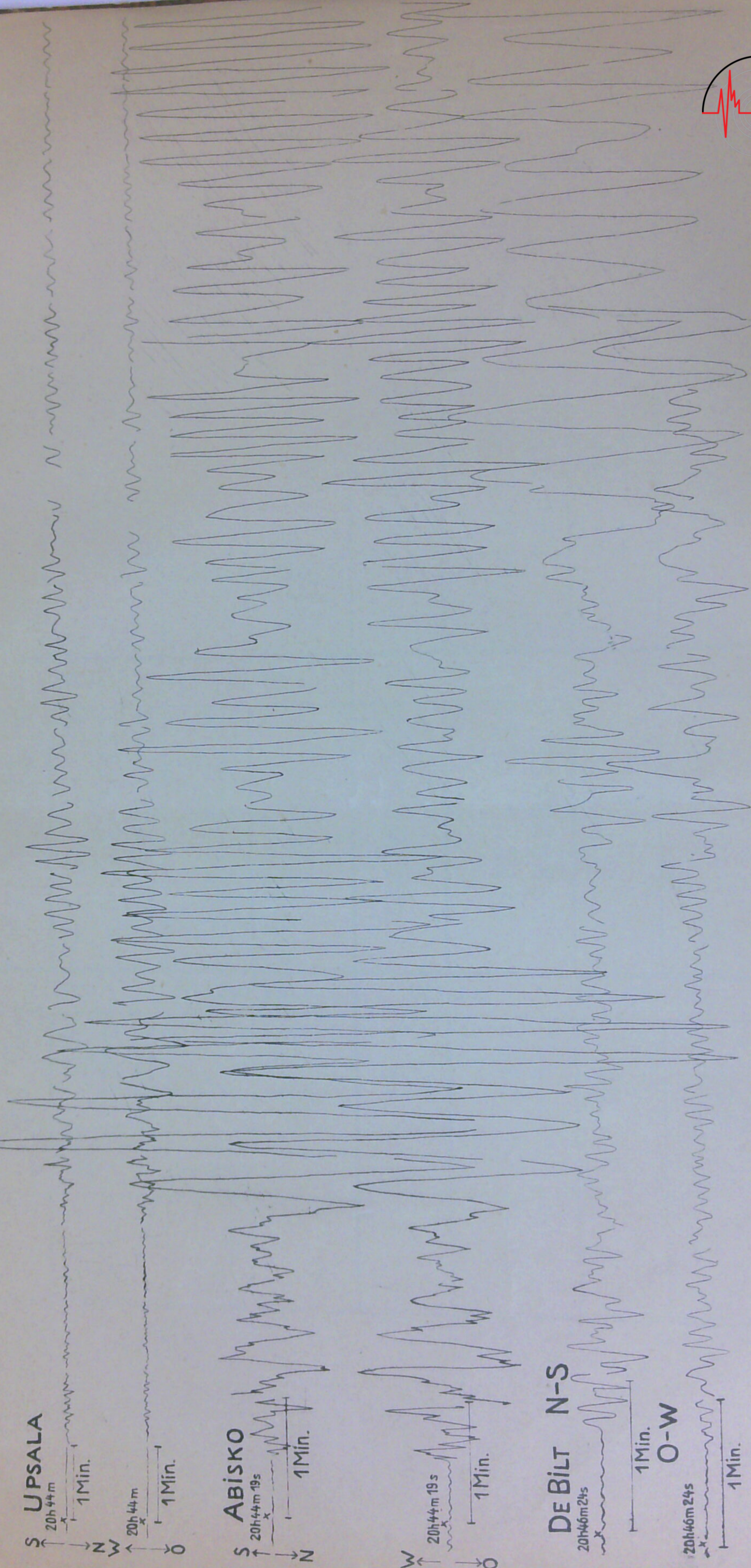
1 Min. Uhrkorr.?

O-W

20h 49m

1 Min.

# Tafel XXXII. Beben vom 8. April 1922



| Pha-<br>sen                  | Zeiten<br>h m s | Peri-<br>oden<br>s | Ampli-<br>tuden | Pha-<br>sen                  | Zeiten<br>h m s       | Peri-<br>oden<br>s | Ampli-<br>tuden |
|------------------------------|-----------------|--------------------|-----------------|------------------------------|-----------------------|--------------------|-----------------|
| POTSDAM $\Delta = 3240$ km   |                 |                    |                 | JNNSBRUCK $\Delta = 2700$ km |                       |                    |                 |
| eP                           | 20 47 23        | 3                  |                 | iP                           | 20 48 4               |                    |                 |
| MP                           | 48 13           | 3,4                | 20              | eS                           | 52 22-25 (Min. Pause) |                    |                 |
| S                            | 52 23           | 5                  | 30              | eL                           | 57,8                  |                    |                 |
| SR                           | 53,5            |                    | 15              | M <sub>1</sub>               | 21 2,2                | 12,0               | 25              |
| M <sub>1</sub>               | 56,7            | 15                 | 100             | M <sub>2</sub>               | 4                     | 11,8               | 20              |
| M <sub>2</sub>               | 21 3            | 13                 | 60              | F                            | 50                    |                    |                 |
| O                            | 21 15-30        | 10-12              |                 |                              |                       |                    |                 |
| WIEN $\Delta = 3330$ km      |                 |                    |                 | ZÜRICH $\Delta = 2960$ km    |                       |                    |                 |
| ePZ                          | 20 48 02        |                    |                 | ePN                          | 20 47 55              | 1,3                | 0,5             |
| iPZ                          | 03              | 4                  | -4,5            | ePE                          | 47 57                 |                    | 0,2             |
| PRZ                          | 49 04           |                    |                 | ePZ                          | 47 55                 | 1,9                | 0,1             |
| iE                           | 44              | 5                  | 14              | iPN                          | 47 57                 | 1,8                | 1,0             |
|                              |                 |                    | 8Z              | iFE                          | 47 58                 | 3,2                | 0,9             |
| S                            | 53 08           | 16                 | 30              | iPZ                          | 47 57                 | 3,6                | 0,2             |
| SR <sub>1</sub>              | 55 02           |                    |                 | eSN                          | 52 36                 |                    | 3,2             |
| eL                           | 56 11           |                    |                 | eSE                          | 52 40                 | 4,9                | 1,6             |
| SR <sub>2</sub> ?            | 58 30           |                    |                 | eLE                          | 58 17                 | 3,2                | 3,6             |
| M                            | 21 0,4          | 13,12              | 92E             | F                            | 21 45                 |                    |                 |
|                              |                 |                    | 42Z             |                              |                       |                    |                 |
| M                            | 01,4            | 13                 | 83N             |                              |                       |                    |                 |
| F                            | 22              |                    |                 |                              |                       |                    |                 |
| BARCELONA $\Delta = 3390$ km |                 |                    |                 | ROCCA DI PAPA                |                       |                    |                 |
| ePN                          | 20 48 46        | 4                  |                 | iP                           | 20 48 51              |                    |                 |
| ePE                          | 48 28           |                    |                 | e(P)                         | 50 3                  |                    |                 |
| R <sub>1</sub> PN            | 49 36           | 2,3                |                 | i(L)                         | 57 30                 |                    |                 |
| SN                           | 53 56           | 12                 |                 | M <sub>1</sub>               | 59 00                 |                    |                 |
| ?E                           | 52 56           | 5,6                |                 | i(L)                         | 21 4 00               |                    |                 |
| eLN                          | 58 28           | 30                 |                 | M <sub>2</sub>               | 6 00                  |                    |                 |
| eLE                          | 57 56           |                    |                 | M <sub>3</sub>               | 10 30                 |                    |                 |
| MN                           | 21 4 30         | 11                 | 70              | M <sub>4</sub>               | 14 00                 |                    |                 |
| M <sub>1</sub> L             | 0 7             | 14                 | 90              | M <sub>5</sub>               | 21 30                 |                    |                 |
| M <sub>2</sub> E             | 1 39            | 13                 | 80              | M <sub>6</sub>               | 50 00                 |                    |                 |
| M <sub>3</sub> E             | 7 7             | 11                 |                 | F                            | 54 00                 |                    |                 |
| FN                           | 22 2            |                    |                 |                              |                       |                    |                 |
| FE                           | 13              |                    |                 |                              |                       |                    |                 |
| ABISKO $\Delta = 1040$ km    |                 |                    |                 | UPSALA $\Delta = 1630$ km    |                       |                    |                 |
| iP                           | 20 44 52        |                    |                 | eP                           | 20 46 9               |                    |                 |
| S                            | 46 44           |                    |                 | iS                           | 49 17                 |                    |                 |
| L                            | 46 51           |                    |                 | eL                           | 50,4                  | 25                 |                 |
| MN                           | 47 28           | 20,7               | 205             | M                            | 51,4                  | 16                 |                 |
| ME                           | 48 20           | 14,6               | 95              |                              |                       |                    |                 |
| F                            | 22 33           |                    |                 | F                            | 22 0                  |                    | 46N<br>96E      |
| DE BILT $\Delta = 2330$ km   |                 |                    |                 |                              |                       |                    |                 |
| P                            | 20 47 5         |                    |                 |                              |                       |                    |                 |
| S                            | 50 56           |                    |                 |                              |                       |                    |                 |
| L                            | 52,5            |                    |                 |                              |                       |                    |                 |
| F                            | 0 15            |                    |                 |                              |                       |                    |                 |