

Jesuit Seismological Service

RECORD

OF THE

Earthquake Station, Sacred Heart College

DENVER, COLO., U. S. A.



ALTITUDE: 1655 Met.

LONGITUDE: 104° 56' 54" W. Gr. LATITUDE: 39° 40' 36" N.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENT: Wiechert 80 Kg., astatic, horizontal pendulum.

NOMENCLATURE: International

FROM JANUARY 1ST To JANUARY 31ST

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|------|-------|-------|------|----|----|------------|-------|-----|---|---|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | | | | | | No quake or seismic disturbance observed here during January. |

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FROM MAY 1ST TO MAY 31ST

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|------|---------|-------|------|----|----|------------|-------|-----|---|---------|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | | | m. | m. | | |
| 23 | i.r.III | Pn | 13 | 1 | | | | | | |
| | | Pe | ? | ? | | | | | | |
| | | Sn | 13 | 5 | | | | | | |
| | | Se | 13 | 5 | ? | | | | | |
| | | Ln | 13 | 9 | | 9-12 | 18 | | | |
| | | Le | 13 | 9 | | 12-15 | | 15 | | |
| | | Mn | 13 | 6 | | 10 | 46 | | | |
| | | Me | 13 | 6 | | 12 | | 45 | | |
| | | Cn | 13 | 14 | | | | | | |
| | | Ce | 13 | 11 | | | | | | |
| | | Fn | 13 | 27 | | | | | | |
| | | Fe | 13 | 27 | | | | | | |
| 25 | | Ln | 11 | 30 | | | | | Visible activity. Stronger on N. S. | |
| | | Fn | 13 | | | | | | | |
| 27 | | Ln | 12 | 10 | | | | | Sinusoidals of long period. | |
| | | Fn | 13 | 30 | | | | | | |
| 28 | | L | 16 | 10 | | | | | Wavelets visible on both comp. Quake reported from Albuquerque, N. M. | |
| | | F | 18 | | | | | | | |
| 29 | | Ln | 13 | 35 | | | | | Distinct waves at intervals during day. | |
| | | Fn | 14 | 20 | | | | | | |

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FROM JUNE 1ST TO JUNE 30TH

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|-------|--------|-------|------|-----------------------------|-----|------------|-------|-----|--|---------|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | | | m. m. | | | |
| 5 | | | | | | | | | Apparent activity at intervals during day. | |
| 7 | i.H.r. | Pn | 21 | 34 | | | | | | |
| | | Pe | 21 | 34 | | | | | | |
| | | Sn | ? | | | | | | | |
| | | Se | ? | | | | | | | |
| | | Ln | 21 | 36 | 6 | 5 | | | | |
| | | Le | 21 | 36 | 4 | 5 | | | | |
| | | Mn | 21 | 37 | 4-6 | 9 | | | | |
| | | Me | 21 | 36 | 4-6 | 10 | | | | |
| | | Cn | 21 | 32 ⁴² | | | | | | |
| | | Ce | 21 | 32 ⁴² | | | | | | |
| | | Fn | 21 | 34 ⁴⁴ | | | | | | |
| | | Fe | 21 | 34 ⁴⁴ | | | | | | |
| 16-17 | | | | | | | | | Visible waves of long period, more noticeable on N. S. | |

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FROM AUGUST 1ST TO AUGUST 31ST

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|------|----------|-------|------|----|-------|------------|-------|-----|--|---------|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | M. M. | | | | | |
| 5 | | | | | | | | | Activity on both comp., from 10hr to 13hr. | |
| 15 | II r. e. | Ln | 13 | 8 | | 40 | 0.5 | | Prelim. not discernible. Very long record. Seems to be made up of several quakes. Pens disturbed by heavy machinery in motion. | |
| | | Le | 13 | 13 | | 40 | 1.0 | | | |
| | | Cn | 13 | 18 | | | | | | |
| | | Ce | 13 | 18 | | | | | | |
| | | Le | 13 | 22 | | 20 | | | | |
| | | Ce | 13 | 36 | | | | | | |
| | | Le | 13 | 40 | | 20 | | | | |
| | | Ce | 13 | 47 | | | | | | |
| | | Le | 13 | 49 | | 20 | | | | |
| | | Ce | 13 | 55 | | | | | | |
| | | Ln | 13 | 57 | | 15 | | | | |
| | | Le | 13 | 57 | | 15 | | | | |
| | | Cn | 14 | 32 | | | | | | |
| | | Ce | 14 | 32 | | | | | | |
| | | Fn | 14 | 43 | | | | | | |
| | | Fe | 14 | 43 | | | | | | |
| 17 | | | | | | | | | Activity from 3hr to 4hr. | |

Observations could not be taken during July.

ERRATUM:—
 Vol. 46. No. 5. May, 1918, S. H. College:
 May 23d, read: 12:01, instead of 13:01.

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 F. A. BAUTSCH, S. J.,
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FROM OCTOBER 1ST TO OCTOBER 31ST

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|-------|----------|-------|------|----|----|------------|-------|--|--|---------|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | | | | <i>m. m.</i> | | |
| 11 | III.r.e. | Pe | 14 | 22 | | | | | Second preliminaries not discernible. Record somewhat affected by heavy machinery in motion. | |
| | | Pn | 14 | 22 | | | | | | |
| | | Se | | ? | | | | | | |
| | | Sn | | ? | | | | | | |
| | | Le | 14 | 33 | | 15-20 | | 4 | | |
| | | Ln | 14 | 34 | | 20 | | 4 | | |
| | | Me | 14 | 41 | | 15 | | 7.5 | | |
| | | Mn | 14 | 37 | | 15 | | 8 | | |
| | | Ce | 15 | 7 | | | | | | |
| | | Cn | 15 | 7 | | | | | | |
| | | Fn | 15 | 29 | | | | | | |
| 12-13 | | | | | | | | Activity on both components at intervals during day. | | |
| 16 | | | | | | | | Wavelets at intervals during day. | | |
| 25 | | Le | 17 | 12 | | | | Visible waves and thickening of penmarks. | | |
| | | Fe | 17 | 17 | | | | | | |
| 28 | | L | 1 | 10 | | | | Visible activity on both components. | | |
| | | F | 2 | 30 | | | | | | |

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FROM NOVEMBER 1ST TO NOVEMBER 30TH

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|------|-------|-------|------|----|-------|------------|-------|--------------|---|---------|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | | | | <i>m. m.</i> | | |
| 4 | | Ln | 20 | 28 | | | | | | |
| | | Fn | 20 | 36 | | | | | | |
| | | Ln | 21 | 50 | | | | | | |
| | | Fn | 22 | 2 | | | | | | |
| | | Ln | 22 | 35 | | | | | | |
| | | Fn | 22 | 41 | | | | | | |
| 8 | | Pn | 4 | 59 | | | | | Time of first prelim. somewhat doubtful. Second prelim. not discernible. | |
| | | Pe | 4 | 59 | | | | | | |
| | | Sn | ? | | | | | | | |
| | | Se | ? | | | | | | | |
| | | Ln | 5 | 15 | 20-30 | 0.25 | | | | |
| | | Le | 5 | 15 | 20-30 | | 0.25 | | | |
| | | Mn | 5 | 19 | 20 | 2. | | | | |
| | | Me | 5 | 19 | 20 | | 2.25 | | | |
| | | Cn | 5 | 25 | | | | | | |
| | | Ce | 5 | 25 | | | | | | |
| | | Fn | 5 | 39 | | | | | | |
| | | Fe | 5 | 39 | | | | | | |
| 23 | | Ln | 21 | 6 | | | | | | |
| | | Fn | 21 | 27 | | | | | | |

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FROM DECEMBER 1ST TO DECEMBER 31ST

| DATE | CHAR. | PHASE | TIME | | | PER. s. | AMPL. | | △ | REMARKS |
|-------|---------|-------|------|----|-----|------------|-------|-----|--|---------|
| | | | h. | m. | s. | | An. | Ae. | | |
| | | | | | | | | m. | | |
| 2 | | Le | 14 | 30 | | | | | Distinct activity especially on E-W. | |
| | | Fe | 19 | | | | | | | |
| 4 | I.e.u. | Ln | 11 | 37 | 20 | 0.5 | | | Very regular sinusoidal. Time and beginning somewhat doubtful. | |
| | | Le | 11 | 37 | 20 | | 0.5 | | | |
| | | Fn | 11 | 46 | | | | | | |
| | | Fe | 11 | 46 | | | | | | |
| 6 | II.r.i. | Pn | 8 | 43 | | 3.5 | | | First preliminaries of large amplitude. Second preliminaries not easily discernible. | |
| | | Pe | 8 | 43 | | | 4 | | | |
| | | Sn | ? | | | | | | | |
| | | Se | ? | | | | | | | |
| | | Ln | 8 | 49 | 5-6 | 6 | | | | |
| | | Le | 8 | 49 | 5-6 | | 6 | | | |
| | | Mn | 8 | 51 | 6 | 7.5 | | | | |
| | | Me | 8 | 50 | 6 | | 7.5 | | | |
| | | Cn | 8 | 53 | | | | | | |
| | | Ce | 8 | 53 | | | | | | |
| | | Fn | 9 | 2 | | | | | | |
| | | Fe | 9 | 2 | | | | | | |
| 21 | | Ln | 12 | 26 | | | | | Distinct but very small waves. Stronger on N-S. | |
| | | Fn | 12 | 34 | | | | | | |
| 30-31 | | | | | | | | | Activity at intervals during day. | |
| 31 | I.r.i. | Pn | 3 | 33 | 20 | 6.8 | | | First preliminaries on N-S have large amplitude. Second preliminaries not discernible. | |
| | | Pe | 3 | 33 | | | | | | |
| | | Ln | 3 | 36 | | | | | | |
| | | Le | 3 | 36 | | | | | | |
| | | Fn | 3 | 53 | | | | | | |
| | | Fe | 3 | 53 | | | | | | |

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