

Jesuit Seismological Service

RECORD

OF THE

Earthquake Station, Sacred Heart College

DENVER, COLO., U. S. A.



ALTITUDE: 1655 M.
 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 March 1 TO March 31st

| DATE | CHAR. | PHASE | TIME | | | PERIOD | AMPLITUDE | | REMARKS |
|-----------|----------|-----------|-------|----|----|------------------|------------------|----------|----------------------------|
| | | | | | | | AN | AE | |
| | | | h. | m. | s. | | s. | <i>u</i> | |
| 10 | <i>u</i> | <i>Pm</i> | ? | | | | | | <i>S. W. Forstall S.J.</i> |
| | | <i>Pe</i> | ? | | | | | | |
| | | <i>Sm</i> | ? | | | | | | |
| | | <i>Se</i> | ? | | | | | | |
| | | <i>Ln</i> | | | | | | | |
| | | <i>Le</i> | | | | | | | |
| | | <i>Mm</i> | 15 27 | | | <i>too small</i> | <i>too small</i> | | |
| | | <i>Me</i> | 15 27 | | | 6 | 2 | | |
| | | <i>Cm</i> | | | | | | | |
| | | <i>Ce</i> | 15 31 | | | | | | |
| <i>Fm</i> | | | | | | | | | |
| <i>Fe</i> | 15 33 | | | | | | | | |

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FROM June the 1st TO June 30th

| DATE | CHAR. | PHASE | TIME | | | PERIOD | AMPLITUDE | | REMARKS |
|------------------|--------|-----------------|----------|----|----|--------|-----------|---------|---|
| | | | h. | m. | s. | | AN μ | AE μ | |
| 15 th | I u | Pn | 14 | 27 | | 4-6 | | | Record taken while heavy ma- chinery was being used. |
| | | Pe | 14 | 27 | | " | | | |
| | | Su | 14 | 37 | | " | | | |
| | | Se | 14 | 37 | | " | | | |
| | | Tu | 14 | 41 | | " | 100 | | |
| | | Ie | 14 | 41 | | " | | 100 | |
| | | Mu | 14 | 41 | | " | 100 | | |
| | | Me | 14 | 41 | | " | | 100 | |
| | | Cu | 15 | 30 | | " | 15-20 | 50 | |
| | | Ce | 15 | 30 | | " | " | 50 | |
| | | Fu | 15 | 32 | | " | " | | |
| | | Fe | 15 | 58 | | " | " | | |
| | | 7 th | III z | Pn | 11 | 6 | | 8-10 | |
| Pe | 11 | | | 6 | | 8-10 | | | |
| Su | 11 | | | 11 | | " | 125 | | |
| Se | 11 | | | 11 | ? | " | | 125 | |
| Tu | 11 | | | 13 | | 3-4 | 1737 | | |
| Ie | 11 | | | 13 | | 3-4 | | 1250 | |
| Mu | 11 | | | 13 | 30 | " | | | |
| Me | 11 | | | 16 | | " | | | |
| Cu | 11 | | | 34 | | 8-10 | | | |
| Ce | 11 | | | 37 | | 8-10 | | | |
| Fu | 12 | | | 19 | | | | | |
| Fe | 12 | 5 | | | | | | | |

A. W. Forstall S. J.

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FROM Nov 1st TO Nov 31st

| DATE | CHAR. | PHASE | TIME | | | PERIOD | AMPLITUDE | | REMARKS | |
|------------------|-------|-----------|------|----|----|--------|-----------|-----|---|--|
| | | | | | | | AN | AE | | |
| | | | h. | m. | s. | s. | u | u | | |
| 9 th | | | | | | | | | Microseisms but of rather doubtful character. | |
| 13 th | | | | | | | | | Heavy machinery was in motion. — | |
| 18 th | | <i>Pn</i> | | | | | | | <p>The record is made up of 3 equal sections. The heavy shocks are in the first & third. Shocks began suddenly without 1st & 2nd prelim. tremors.</p> | |
| | | <i>Pe</i> | | | | | | | | |
| | | <i>Sm</i> | | | | | | | | |
| | | <i>Se</i> | | | | | | | | |
| | | <i>Ln</i> | 7 | 49 | | 6 | 122 | | | |
| | | <i>Ls</i> | 7 | 49 | | | | 125 | | |
| | | <i>Mn</i> | | | | | | | | |
| | | <i>Ms</i> | | | | | | | | |
| | | <i>Cm</i> | 7 | 53 | | | | | | |
| | | <i>Cs</i> | 7 | 53 | | | | | | |
| | | <i>Fm</i> | 7 | 59 | | | | | | |
| | | <i>Fs</i> | 7 | 59 | | | | | | |
| 21 | | <i>Mn</i> | 18 | 48 | | 6.5 | 18.7 | | | |
| | | <i>Ms</i> | 18 | 48 | | 8.5 | | 25 | | |
| | | <i>Fm</i> | 18 | 50 | | | | | | |
| | | <i>Fs</i> | 18 | 50 | | | | | | |
| 26 | | | | | | | | | <p>Microseisms during day but heavy machinery was in motion.</p> <p style="text-align: right;">A.W. Forstall S.J.</p> | |

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FROM Dec 1st TO Dec 31st

| DATE | CHAR. | PHASE | TIME | | | PERIOD | AMPLITUDE | | REMARKS |
|------------------|-------|-------|------|---------|----|--------|-----------|-------|--|
| | | | | | | | AN | AE | |
| | | | h. | m. | s. | | s. | u | |
| 16 th | JH | Pn | 19 | 19 | | 6 | 50 | | Very beautiful and characteristic record. Made in part under my observation. Located in Mexico at a distance of 1500-2000 miles. |
| | | Pe | 19 | 19 | | 4 | | 25 | |
| | | Sn | 19 | 23 | | 20 | 75 | | |
| | | Se | 19 | 23 | | 20 | | 125 | |
| | | Ln | 19 | 26 | | 6 | 93.7 | | |
| | | Le | 19 | 26 | | 4-6 | | 131.2 | |
| | | Mn | 19 | 29 | | 4-6 | 118.7 | | |
| | | Me | 19 | 26-1930 | | 4-6 | | 131.2 | |
| | | Cn | 19 | 41 | | 7.5 | 25 | | |
| | | Ca | 19 | 41 | | 7.5 | | 25 | |
| | | Fm | 20 | 29 | | 10 | | | |
| Fe | 20 | 32 | | 10 | | | | | |
| 22 | | Pn | 13 | 5 | | 10-12 | | | Preliminary tremors very indistinct A. W. Forstall S.J. |
| | | Pe | 13 | 5 | | ? | | | |
| | | Sn | ? | | | ? | | | |
| | | Se | ? | | | ? | | | |
| | | Ln | 13 | 8 | ? | 6.6 | 112.5 | | |
| | | Le | 13 | 8 | ? | 6.6 | | 75 | |
| | | Mn | 13 | 10 | | 6.6 | " | | |
| | | Me | 13 | 10 | | 6.6 | | " | |
| | | Cn | 13 | 12 | | 4.4 | | | |
| | | Ca | 13 | 12 | | 4 | | | |
| Fm | 13 | 27 | | | | | | | |
| Fe | 13 | 27 | | | | | | | |