

CORRELATION OF EARTHQUAKES

September, 1938.

.....

N O T E S

=====

| | | | | |
|-----|--|---------------------|--|------|
| A : | Ottawa | $\Delta = 3700$ km. | H = 22 ^h 48 ^m .5 | U.T. |
| | Shawinigan Falls | $\Delta = 3760$ km. | H = 22 48.7 | U.T. |
| | Seven Falls | $\Delta = 3980$ km. | H = 22 48.7 | U.T. |
| B : | Ottawa | $\Delta = 70$ km. | H = 23 ^h 18 ^m .3 | U.T. |
| C : | Ottawa | $\Delta = 3840$ km. | H = 6 ^h 10 ^m .8 | U.T. |
| E : | Epicentre probably within 100 km. of the Ottawa station. | | | |
| F : | Ottawa | $\Delta = 85$ km. | H = 0 ^h 12 ^m .3 | U.T. |
| G : | Shawinigan Falls | $\Delta = 240$ km. | H = 4 ^h 33 ^m .6 | U.T. |
| | Seven Falls | $\Delta = 50$ km. | H = 4 33.6 | U.T. |

Dominion Observatory,

Ottawa - Canada.

January 12, 1939.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA



FROM: September 1, 1938 to September 7, 1938 No. 44

| NO. AND DATE | PHASE | TIME | AMP. μ | DISTANCE km. | REMARKS | |
|-------------------|----------------|-----------|------------------|--------------|--|--|
| | | h m s | | | | |
| 296 Sept. 1 | | Ottawa | | | | |
| | H | 22 48.5 | | 3700 | USCGS. gives: $\phi = 13^{\circ}1$ N. $\lambda = 89^{\circ}4$ W. | |
| | P | 22 55 14 | | | | |
| | S | 23 00 43 | | | | |
| | L | 23 05.5 | | | | |
| | F | 0 54 | | | | |
| | | | Shawinigan Falls | | | |
| | H | 22 48.7 | | 3760 | | |
| | P | 22 55 30 | | | | |
| | e | 22 56.8 | | | | |
| | S | 23 01 02 | | | | |
| | L | 23 06 | | | | |
| | F | 23 21 | | | | |
| | | | Seven Falls | | | |
| | H | 22 48.7 | | 3980 | | |
| | P | 22 55 42 | | | | |
| | PPP | 22 57 14 | | | | |
| | S | 23 01.5 | | | | |
| L | 23 07 | | | | | |
| F | 1 12 | | | | | |
| | | Saskatoon | | | | |
| P | 22 56 13 | | | | | |
| L | 23 07 | | | | | |
| F | 23 41 | | | | | |
| 297 Sept. 5 | | Ottawa | | | | |
| | e | 15 12.4 | | | | |
| | e | 15 19 | | | | |
| | L | 15 25 | | | | |
| | F | 16 39 | | | | |
| | | | Seven Falls | | | |
| e | 15 19.6 | | | | | |
| L | 15 47 | | | | | |
| F | 16 32 | | | | | |
| 300 Sept. 7 | | Ottawa | | | | |
| | e | 4 22.5 | | | USCGS. gives: $\phi = 24^{\circ}$ N. $\lambda = 121^{\circ}5$ E. | |
| | e _E | 4 29 48 | | | | |
| | e | 4 31 33 | | | | |
| | L | 4 51 | | | | |
| | F | 7 05 | | | | |
| | | | Seven Falls | | | |
| | e | 4 31.6 | | | | |
| | L | 4 51 | | | | |
| | F | 6 32 | | | | |

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA



FROM September 7, 1938 to September 12, 1938 No. 45

| NO. AND DATE | PHASE | TIME | AMP. | DISTANCE | REMARKS | | |
|--------------------|-------------------|------------------|--------|----------|--|---|-----|
| | | h m s | | | | μ | km. |
| 301 Sept. 7 | | Ottawa | | | | | |
| | e | 13 35 | | | | | |
| | eL | 13 57 | | | | | |
| | F | 14 37 | | | | | |
| | | Seven Falls | | | | | |
| | e | 13 24.6 | | | | | |
| | e | 13 36.3 | | | | | |
| | L F | 13 51 14 29 | | | | | |
| 302 Sept. 7 | | Ottawa | | | | | |
| | H | 23 18.3 | | 70 | Δ and H based on Joliat's Tables for Nearby Earthquakes. | | |
| | P ^Z | 23 18 32 | | | | | |
| | S | 23 18 42 | | | | | |
| | L | 23 18 47 | | | | | |
| | F | 23 23 | | | | | |
| | | Shawinigan Falls | | | | | |
| | i | 23 19 08 | | | | | |
| | F | 23 20 | | | | | |
| | 304 Sept. 9 | | Ottawa | | | | |
| e | | 17 43.6 | | | | | |
| e ^E | | 17 46.1 | | | | | |
| L | | 17 50 | | | | | |
| F | | 18 15 | | | | | |
| | | Seven Falls | | | | | |
| e | | 17 44.1 | | | | | |
| L F | | 17 50 18 24 | | | | | |
| 305 Sept. 12 | | Ottawa | | | | | |
| | H | 6 10.8 | | 3840 | | | |
| | P | 6 17 41 | | | | | |
| | S | 6 23 18 | | | | | |
| | e ^N | 6 27 | | | | | |
| | L | 6 29 | | | | | |
| | F | 7 28 | | | | | |
| | | Seven Falls | | | | | |
| | eS? | 6 24.1 | | | | | |
| | L | 6 30 | | | | | |
| | F | 7 19 | | | | | |
| | | Saskatoon | | | | | |
| | e | 6 14.7 | | | | | |
| | eL | 6 19 | | | | | |
| F | 6 35 | | | | | | |

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA



FROM September 12, 1938 to September 20, 1938 No. 46

| NO. AND DATE | PHASE | TIME | AMP. μ | DISTANCE km. | REMARKS | | | | | |
|--------------------|--------------------|------------------|---------------|-----------------|---------------|----------|--|--|--|---------|
| | | h m s | | | | | | | | |
| 306 Sept. 13 | i | 14 08 24 | | | Nearby quake. | | | | | |
| | L | 14 08 26 | | | | | | | | |
| | F | 14 08 36 | | | | | | | | |
| 307 Sept. 13 | e | 17 01 18 | | | Nearby quake. | | | | | |
| | L | 17 01 19 | | | | | | | | |
| | F | 17 01 22 | | | | | | | | |
| 308 Sept. 13 | i | 17 54 05 | | | Nearby quake | | | | | |
| | L | 17 54 07 | | | | | | | | |
| | F | 17 54 21 | | | | | | | | |
| 311 Sept. 17 | ez | Ottawa | | | | | | | | |
| | | L | | | | 3 37 35 | | | | |
| | | F | | | | 3 42 07 | | | | |
| | e | Shawinigan Falls | | | | 3 38.5 | | | | |
| | | L | | | | 3 43 | | | | |
| | | F | | | | 3 53 | | | | |
| | e | Seven Falls | | | | 3 42.5 | | | | |
| | | L | | | | 3 44.5 | | | | |
| | | F | | | | 3 53 | | | | |
| | 315 Sept. 18 | e | | | | Ottawa | | | | |
| | | | | | | L | | | | 4 01 40 |
| | | | | | | L | | | | 4 10 52 |
| F | | | 4 18 | | | | | | | |
| 322 Sept. 20 | i | Ottawa | | | Nearby quake. | | | | | |
| | | L | | | | 14 40 53 | | | | |
| | | F | | | | 14 40 54 | | | | |
| 323 Sept. 20 | i | Ottawa | | | Nearby quake. | | | | | |
| | | L | | | | 14 41 07 | | | | |
| | | F | | | | 15 24 41 | | | | |
| | L | 15 24 42 | | | | | | | | |
| | | F | | | | 15 24 56 | | | | |

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA.



FROM September 20, 1938 to September 27, 1938 No. 47

| NO. AND DATE | PHASE | TIME | AMP. μ | DISTANCE km. | REMARKS |
|--------------------|---------|-------------|---------------|-----------------|---|
| | | h m s | | | |
| 324 Sept. 20 | i | 16 07 16 | | | Nearby quake. |
| | L | 16 07 17 | | | |
| | F | 16 07 33 | | | |
| 325 Sept. 20 | i | 19 38 15 | | | Nearby quake. |
| | L | 19 38 16 | | | |
| | F | 19 38 30 | | | |
| 326 Sept. 21 | | Ottawa | | | |
| | eZ | 19 05.2 | | | |
| | e | 19 16.1 | | | |
| | e | 19 22.4 | | | |
| | eL? | 19 30 | | | |
| | F | 20 37 | | | |
| | | Seven Falls | | | |
| | e | 19 16 | | | |
| | eL | 19 30 | | | |
| 327 Sept. 22 | | Ottawa | | 85 | A and H based on Joliat's Tables for Nearby Earthquakes |
| | H | 0 12.3 | | | |
| | PZ | 0 12 32 | | | |
| | SZ | 0 12 44 | | | |
| | LZ | 0 12 47 | | | |
| F | 0 13 07 | | | | |
| 328 Sept. 25 | | Ottawa | | | |
| | eE | 20 43 | | | |
| | e | 20 51 | | | |
| | L | 21 09 | | | |
| 329 Sept. 27 | | Ottawa | | | |
| | eE | 2 56.3 | | | |
| | eN | 2 57.4 | | | |
| | e | 3 04.0 | | | |
| | eL | 3 17 | | | |
| | F | 4 31 | | | |
| | | Ottawa | | | |
| 330 Sept. 27 | | Ottawa | | | |
| | e | 10 34 42 | | | |
| | eE | 10 43.6 | | | |
| | e | 10 53.0 | | | |
| | eL | 11 07 | | | |
| F | 12 46 | | | | |

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA



FROM September 27, 1938 to September 30, 1938

No. 48

| NO. AND DATE | PHASE | TIME | | | AMP. μ | DISTANCE km. | REMARKS | |
|--------------------|----------------|------------------|------------------|----|---------------|-----------------|--|----|
| | | h | m | s | | | | |
| 331 Sept. 28 | | Shawinigan Falls | | | | 240 | Δ and H based on Joliat's Tables for Nearby Earthquakes. | |
| | H | 4 | 33 | .6 | | | | |
| | P | 4 | 34 | 11 | | | | |
| | S | 4 | 34 | 38 | | | | |
| | L | 4 | 34 | 45 | | | | |
| | F | 4 | 38 | | | | | |
| | | | Seven Falls | | | | | 50 |
| | H | 4 | 33 | .6 | | | | |
| | P | 4 | 33 | 49 | | | | |
| | S | 4 | 33 | 55 | | | | |
| L | 4 | 34 | 05 | | | | | |
| F | 4 | 35 | .5 | | | | | |
| 332 Sept. 28 | | Ottawa | | | | | | |
| | e _E | 18 | 33 | .7 | | | | |
| | e | 18 | 39 | .3 | | | | |
| | e | 18 | 43 | .3 | | | | |
| | e | 18 | 50 | | | | | |
| | eL? | 19 | 03 | | | | | |
| | F | 20 | 42 | | | | | |
| | | | Seven Falls | | | | | |
| | e | 18 | 39 | .4 | | | | |
| | e | 18 | 43 | .9 | | | | |
| e | 18 | 50 | .4 | | | | | |
| L | 19 | 20 | | | | | | |
| F | 20 | 29 | | | | | | |
| 333 Sept. 29 | | Ottawa | | | | | | |
| | eZ | 23 | 46 | 19 | | | | |
| | e _E | 23 | 48 | .6 | | | | |
| | L | 23 | 50 | | | | | |
| | F | 23 | 58 | | | | | |
| | | | Shawinigan Falls | | | | | |
| e | 23 | 47 | .6 | | | | | |
| L | 23 | 51 | | | | | | |
| F | 23 | 56 | | | | | | |

W. W. Doysee.

EARTHQUAKE CORRELATION TABLE

September, 1938.

| No. | Date | Ottawa | Saskatoon | Halifax | Seven Falls | | Shawinigan | ** |
|-----|------|--------------|-------------|---------|-------------|-------------|-------------|----|
| | | | | | M. S. | W. A. | | |
| 295 | 1 | 3 43+0 58L | ..... | ..... | ..... | ..... | ..... | .. |
| 296 | 1 | 22 55+1 59r | 22 56+0 44r | ..... | 22 56+2 17r | 22 56+0 27r | 22 55+0 26r | A |
| 297 | 5 | 15 12+1 27u | ..... | ..... | 15 20+1 12u | ..... | ..... | .. |
| 298 | 6 | 21 27+0 31L | ..... | ..... | 21 32+0 25L | ..... | ..... | .. |
| 299 | 7 | 2 52+0 36L | ..... | ..... | ..... | ..... | ..... | .. |
| 300 | 7 | 4 22+2 43u | ..... | ..... | 4 32+2 00u | ..... | 5 07+0 19L | .. |
| 301 | 7 | 13 35+1 02u | ..... | ..... | 13 25+1 04u | ..... | ..... | .. |
| 302 | 7 | 23 19+0 04d | ..... | ..... | ..... | ..... | 23 19+0 01v | B |
| 303 | 8 | 3 17+0 0.5P | ..... | ..... | ..... | ..... | ..... | .. |
| 304 | 9 | 17 44+0 31u | ..... | ..... | 17 44+0 40u | ..... | ..... | .. |
| 305 | 12 | 6 18+1 10r | 6 15+0 20r | ..... | 6 24+0 55r | ..... | 6 29+0 10L | C |
| 306 | 13 | 14 08+0 0.2d | ..... | ..... | ..... | ..... | ..... | E |
| 307 | 13 | 17 01+0 0.1d | ..... | ..... | ..... | ..... | ..... | E |
| 308 | 13 | 17 54+0 0.3d | ..... | ..... | ..... | ..... | ..... | E |
| 309 | 16 | 4 51+0 22L | ..... | ..... | 4 52+0 14L | ..... | ..... | .. |
| 310 | 16 | 6 32+0 52L | ..... | ..... | 6 35+0 34L | ..... | ..... | .. |
| 311 | 17 | 3 38+0 14r | ..... | ..... | ..... | 3 43+0 10r | 3 38+0 15r | .. |
| 312 | 17 | 17 35+0 11L | ..... | ..... | ..... | ..... | 17 35+0 08L | .. |
| 313 | 17 | 21 33+0 05L | ..... | ..... | ..... | ..... | ..... | .. |
| 314 | 18 | 2 02+0 24L | ..... | ..... | ..... | ..... | ..... | .. |
| 315 | 18 | 4 02+1 04u | ..... | ..... | 4 27+0 25L | ..... | ..... | .. |
| 316 | 19 | 1 04+0 07L | ..... | ..... | ..... | ..... | ..... | .. |
| 317 | 19 | 12 35+0 33L | ..... | ..... | 12 37+0 14L | ..... | ..... | .. |
| 318 | 19 | 20 01+0 16L | ..... | ..... | ..... | ..... | ..... | .. |

EARTHQUAKE CORRELATION TABLE
September, 1938.

| No. | Date | Ottawa | Saskatoon | Halifax | Seven Falls | | Shawinigan | ** |
|-----|------|--------------|-----------|---------|-------------|------------|-------------|----|
| | | | | | M. S. | W. A. | | |
| 319 | 20 | 3 21+0 20L | ..... | ..... | ..... | ..... | 5 54+0 03P | .. |
| 320 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | .. |
| 321 | 20 | 14 35+0 50L | ..... | ..... | 14 40+0 32L | ..... | ..... | .. |
| 322 | 20 | 14 41+0 0.3d | ..... | ..... | ..... | ..... | ..... | E |
| 323 | 20 | 15 25+0 0.3d | ..... | ..... | ..... | ..... | ..... | E |
| 324 | 20 | 16 07+0 0.3d | ..... | ..... | ..... | ..... | ..... | E |
| 325 | 20 | 19 38+0 0.3d | ..... | ..... | ..... | ..... | ..... | E |
| 326 | 21 | 19 05+1 32u | ..... | ..... | 19 16+1 30u | ..... | ..... | .. |
| 327 | 22 | 0 13+0 0.6d | ..... | ..... | ..... | ..... | ..... | F |
| 328 | 25 | 20 43+1 57u | ..... | ..... | ..... | ..... | ..... | .. |
| 329 | 27 | 2 56+1 34u | ..... | ..... | ..... | ..... | ..... | .. |
| 330 | 27 | 10 35+2 11u | ..... | ..... | ..... | ..... | ..... | .. |
| 331 | 28 | ..... | ..... | ..... | ..... | 4 34+0 02d | 4 34+0 04v | G |
| 332 | 28 | 18 34+2 08u | ..... | ..... | 18 39+1 50u | ..... | ..... | .. |
| 333 | 29 | 23 46+0 12r | ..... | ..... | ..... | ..... | 23 48+0 08r | .. |