

ES KDALEMMUIR OBSERVATORY.

NOTES ON EARTHQUAKES RECORDED. JANUARY, 1915.

Lat: 55° 19' N. Long: 5° 12' W.

(3GD) L. F. Richardson.

Time: Mean Greenwich.

Instruments: Two horizontal and one vertical Galitzin type photographic recorder with electromagnetic registration.

January 3rd L = 1h.31m. (?) Disturbance till 1h.51m. Obscured by microseisms.

4th Small disturbance from 0h.43m. to 1h.11m. Obscured by microseisms.

4th L = 22h.53m. Max. at 23h.2.5m. End 23h.25m.

5th $P = 14^{\text{h}}.52^{\text{m}}.22^{\text{s}}$
 $R_1 = 14^{\text{h}}.54^{\text{m}}.59^{\text{s}}$ $C_2 = 14^{\text{h}}.56^{\text{m}}.50^{\text{s}}$ $Sr_1(?) = 15^{\text{h}}.13.5^{\text{m}}$ $Sr_2(?) = 15^{\text{h}}.19^{\text{m}}$ L = 15h.51m.
 Δ about 15,000 k. Continued till the following.

5th L = 17h.20m. End 18h.0m.

5th $P_1 = 23^{\text{h}}.39^{\text{m}}.23^{\text{s}}$ $P_2 = 23^{\text{h}}.40^{\text{m}}.8^{\text{s}}$ $P_{1r} = 23^{\text{h}}.43^{\text{m}}.0^{\text{s}}$ $P_{2r} = 23^{\text{h}}.44.2^{\text{m}}$ $P_{3r}(?) = 23^{\text{h}}.47.6^{\text{m}}$
 $S_1 = 23^{\text{h}}.49^{\text{m}}.19^{\text{s}}$ $S_2 = 23^{\text{h}}.50^{\text{m}}.33^{\text{s}}$ $S_3(?) = 23^{\text{h}}.56^{\text{m}}.51^{\text{s}}$ $S_{3r}(?) = 0^{\text{h}}.3.4^{\text{m}}$ L = 0h.6m $\Delta_1 = 8710\text{k}$
 $\Delta_2 = 9300\text{k}$ Epicentres about 45° W. of E. Probably Japan. End 2h.13m.

7th Small disturbance from 19h.43m. to 19h.57m.

10th e = 1h.6m. L = 1h.11m. Small earthquake. End 1h.50m.

11th Small disturbance from 0h.44m. to 1h.15m. Obscured by wind disturbance

13th P = 6h.56m.45s. S = 7h.0m.2s. L = 7h.1m. $\Delta = 1930\text{k}$. Azimuth 40° 50' S. of E. Epicentre 43° N. 14° E.
 Max. at 7h.3m. End 9h.12m. Italian earthquake.

15th Small disturbance from 9h.54m. to 10h.33m.

14th e = 5h.24m. L = 5h.27m. Small earthquake, not remote. End 5h.50m.

21st L = 15h.54m. Small earthquake. End 16h.22m.

25th L = 8h.9m. Small earthquake. Not remote. End 8h.21m.

27th P = 1h.15m.6s. S = 1h.19m.5s. L = 1h.21m.5m. $\Delta = 2400\text{k}$. Azimuth about S.E. Max. at 1h.25m. End 2h.12m.

30th Small disturbance from 9h.0m. to 10h.5m.

ESKDALEMUIR OBSERVATORY.



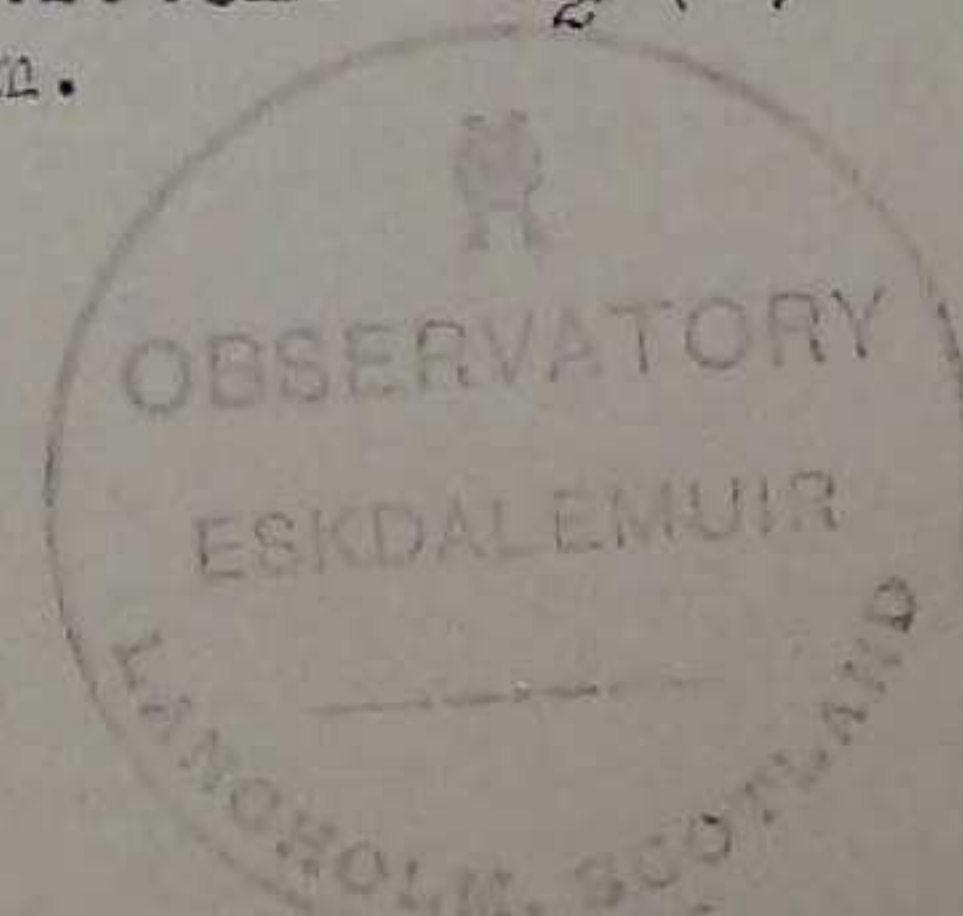
NOTES ON EARTHQUAKES RECORDED . FEBRUARY 1915 .

Lat. 55°19'.N. Long. 3°12'.W.

Time: Mean Greenwich.

Instruments: Two horizontal and one vertical Galitzin type photographic recorders with electromagnetic registration

- Feb. 8th Disturbance from 11h.27m. to 11h.43m. Obscured by microseism **S**
- " 10th Small disturbance from 4h.53m. to 4h.56m.
- " 11th " " " 8h.40m. " 9h.30m. ~~was disturbed by wind.~~
- " 14th " " " 8h.42m. " 8h.49m. Much disturbed by wind.
- " 20th **i** = 8h.21m.45s. **L** = 8h.24.5m. Small earthquake disturbance. End 8h.34m.
- " 21st **L** = 15h.25m. Small disturbance. End 15h.52m.
- " 25th **e** = 9h.27m.36s. **L** 9h.37m. Small earthquake disturbance. End 10h.18m.
- " 25th **c** = 14h. 3m. 9s. **L** 14h.22m. " " " " 14h.46m.
- " 25th **P**₁ = 20h.54m.39s. **P**₂ = 20h.56m.55s. **P**_{1r} = 20h.58.2m. **S**₁ = 21h.3m.59s. **L** = 21h.21m.
 $\Delta_1 = 8000k.$ α_1 due north. α_2 due north. First epicentre 53°N.177°E. End 23h.11m.
- " 26th **L** = 3h.48m. Small earthquake disturbance. End 4h.58m.
- " 28th **P**_{1r}(?) = 19h.22.6m. ^{**S**₁ = 19h.22.6m.} **S**₂(?) = 19h.23.9m. **S**_{1r}(?) = 19h.29.0m. **S**_{2r}(?) = 19h.30.7m. **L** = 19h.39m.
 Δ about 10000k. Prominent max. 19h.48m. End 21h.18m.



L. F. Richardson.

Lat: $55^{\circ} 19' N$.Long: $5^{\circ} 12' W$.

NOTES ON EARTHQUAKES RECORDED. MARCH, 1915.

Time: Greenwich Mean Time. (12h. = Greenwich Mean Noon)

Instruments: Two horizontal and one vertical Galitzin type photographic recorder with electromagnetic registration.



DATE	NOTES
March 3rd	L = 2h.12m. Small earthquake disturbance. End 2h.30m.
5th	L = 4h.53m. " " " End 5h.24m.
6th	Disturbance from about 7h.55m. to 8h.1m. much obscured by wind.
6th	" " " 9h.57m. to 10h.5m. " " " "
8th	" " " 4h.52m. to 5h.10m. " " " "
8th	P = 15h.42m.10s. Pr about 15h.45.4m. S = 15h.52m.22s. Sr about 15h.58.0m. L = 16h.7.5m. $\Delta = 9020k$. Azimuth uncertain. Possibly epicentre in Japan. End 17h.2m.
10th	e = 1h.5.7m. Small long continued disturbance. Probably a large remote earthquake. End 3h.24m.
10th	Small disturbance from 16h.37m. to 17h.24m.
11th	" " " 16h.45m. to 17h.21m.
11th	" " " 18h.48m. to 20h.14m.
12th	" " " 0h.30m. to 1h. 0m.
12th	Very small disturbance from 6h.37m. to 7h.17m.
12th	e = 15h.3.6m. S = 15h.13m.2s. L = 15h.35m. Δ about 12000(?) Well marked max. at 15h.43.6m. End 17h.44m.
13th	Small disturbance from 19h.17m. to 19h.34m.
17th	P = 18h.56m.47s. i = 18h.57m.19s. Pr about 19h.0.0m. S = 19h. 6m.30s. Sr about 19h.12.7m. L = 19h.21.6m. $\Delta = 8450k$. Epicentre $40^{\circ} N$. $129^{\circ} E$. Coda inconspicuous with no large sinusoidal waves. End 20h.38m.
18th	Small disturbance from 2h.11m. to 2h.45m.
18th	P = 21h.9m.44s. Sr about 21h.21.7m. L = 21h.29m. Δ about 6500k. S lost during change of sheet. Small prolonged disturbance. End 22h.11m.
26th	e = 5h.49m.59s. L = 6h.10m. Small disturbance. End 6h.50m.
30th	i = 9h.46m.55s. Small vague disturbance. End 11h.0m.

L. F. RICHARDSON,

Superintendent.