

EARTHQUAKES IN FINLAND 1965—1968
SEISMOLOGICAL NOTES

by

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During the last four years eleven earthquakes have occurred in Finland. All of these events have taken place in the northern part of our country in quite a limited area of less than 60 000 km², 65.0—67.4°N and 22.7—27.4°E. Some preliminary data of these earthquakes are given below.

1. January 23, 1965: The epicenter was located in the northern part of the Gulf of Bothnia, 65.0°N, 22.7°E, according to microseismic investigations. H: 11—09—33; magnitude: 3.5; focal depth: 10 km.

2. March 20, 1965: Local earthquake at Sodankylä. Macroseismic epicenter 67°19'N, 25°57'E and microseismic epicenter 67°19'N, 25°58'E. Origin time: 02—44—54.4; intensity: V; focal depth: 14 km; area felt: 27 500 km².

3. February 5, 1966: Macroseismic observations at Ranua (Nikki-vaara), about 66.0°N, 27.3°E; H: 04—25—; intensity: III—IV.

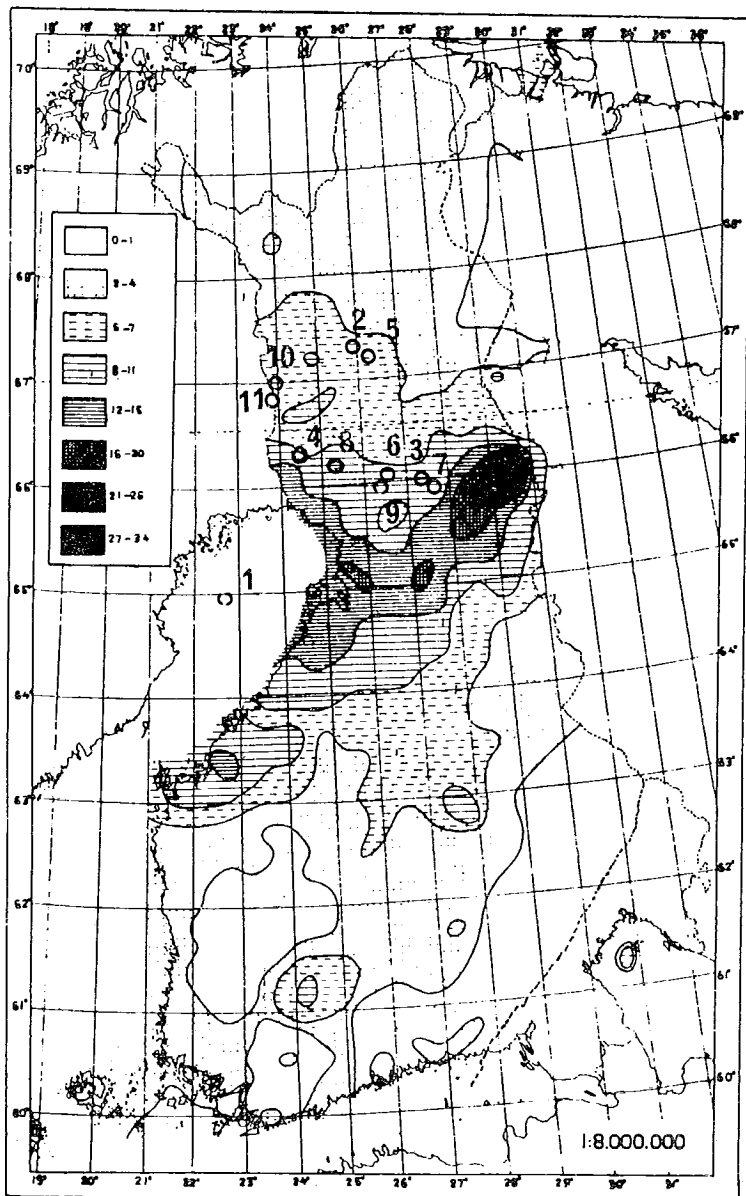


Fig. 1. o = earthquakes felt 1965–1968. The map shows the number of earthquakes during 100 years (after RENQVIST, *Fennia* 54, 1930).

4. January 10, 1967: Macroseismic observations at Ylitornio (Mellakoski), about 66.4°N , 24.5°E ; H: 09—10—; intensity: III—IV.
5. April 7, 1967: Near Sodankylä, about $67^{\circ}19'\text{N}$, $26^{\circ}20'\text{E}$; H: 16—04—15.2; intensity: III—IV; focal depth very small, about 5 km.
6. July 22, 1967: Ranua, 66.1°N , 26.7°E ; H: 19—22—20; intensity: III.
7. November 7, 1967: Posio, 66.0°N , 27.4°E ; H: 06—32—12; intensity: IV.
8. December 19, 1967: Macroseismic observations at Tervola (Paakkola), about 66.2°N , 25.3°E ; H: 16—10—; intensity: IV—V.
9. August 6, 1968: Ranua, 65.95°N , 26.25°E ; H: 21—15—44; intensity: III.
10. September 2, 1968: Pello 67.0°N , 24.0°E ; H: 21—34—39; intensity: III—IV.
11. September 4, 1968: Pello, 66.8°N , 23.8°E ; H: 17—09—14; intensity: IV—V.

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