

Box 24– Collection of Rev. James J. Ruddick, S.J.

Jesuit Seismographic Association papers

**Preliminary Determination of Epicenter (PDE) postcards
ca. 1950 – 1954**

Scope note : In cooperation with the Science Service of the United States Department of Commerce, Coast and Geodetic Survey, the Jesuit Seismological Association developed a postcard reporting systems to determine the epicenter of earthquakes or "ruptures" in the earth surface. The use of "P-waves" measurements is noted to determine the arrival-time difference at a seismograph station from the geographical location of the quake. A graphic illustration of the Earth's rupture can be approximated using this technique.

Recorded on the postcard is the Greenwich (England) date; time at origin (Greenwich); epicenter latitude and longitude; and epicenter and time of origin based on reports from seismograph stations measuring activity. Each station measuring the activity noted the Arc distance from the station in kms, and reported to the Department of Commerce through the postcard (form 481).

PDE Postcards

1950

No. S 28-49, Jan. 5, 1950

No. 1-50, Jan. 6, 1950

No. 2-50, Jan. 6, 1950

No. 3-50, Jan. 6, 1950

No. 4-50, Jan. 16, 1950

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No. S 12-52, Mar. 27, 1952
No. S 13-52, Apr. 3, 1952
No. S 14-52, Apr. 10, 1952
No. S 15-52, Apr. 17, 1952
No. S 16-52, Apr. 24, 1952
No. S 17-52, May 1, 1952
No. S 18-52, May 8, 1952
No. S 19-52, May 15, 1952
No. S 20-52, May 22, 1952
No. S 21-52, May 28, 1952
No. S 22-52, Jun. 5, 1952

No. S 23-52, Jun. 12, 1952
No. S 24-52, Jun. 19, 1952
No. S 25-52, Jun. 26, 1952
No. S 26-52, Jul. 2, 1952
No. S 27-52, Jul. 10, 1952
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No. S 29-52, Jul. 24, 1952
No. S 30-52, Jul. 31, 1952
No. S 31-52, Aug. 7, 1952
No. S 32-52, Aug. 14, 1952
No. S 33-52, Aug. 21, 1952
No. S 34-52, Aug. 28, 1952
No. S 35-52, Sept. 4, 1952
No. S 36-52, Sept. 11, 1952
No. S 37-52, Sept. 18, 1952
No. S 38-52, Sept. 25, 1952
No. S 39-52, Oct. 2, 1952
No. S 40-52, Oct. 9, 1952
No. S 41-52, Oct. 16, 1952
No. S 42-52, Oct. 23, 1952
No. S 43-52, Oct. 30, 1952
No. S 44-52, Nov. 6, 1952
No. S 45-52, Nov. 13, 1952
No. S 46-52, Feb. 20, 1952
No. S 47-52, Nov. 26, 1952
No. S 48-52, Dec. 4, 1952
No. S 49-52, Dec. 11, 1952
No. S 50-52, Dec. 18, 1952
No. S 51-52, Dec. 29, 1952

No. S 52-52, Dec. 31, 1952

No. S 53-52, Jan. 8, 1953

No. S 53-52, Jan. 10, 1953

No. S 54-52, Jan. 15, 1953

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No. 8-53, Jan. 13, 1953

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No. S 10-53, Mar. 19, 1953
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No. S 33b-53, Aug. 27, 1953
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No. S 48b-53, Dec. 10, 1953
No. S 49a-53, Dec. 17, 1953

No. S 49b-53, Dec. 17, 1953

No. S 50-53, Dec. 23, 1953

No. S 51-53, Dec. 30, 1953

No. S 52-53, Jan. 7, 1954

No. S 53-53, Jan. 14, 1954

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