

Box 26 - Collection of Rev. James J. Ruddick, S.J.

**Jesuit Seismographic Association papers
Preliminary Determination of Epicenter (PDE)
postcards, ca. 1959 – 1964**

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).

1959

No. 2-59, Jan. 12, 1959

No. 3-59, Jan. 15, 1959

No. 4-59, Jan. 19, 1959

No. 5-59, Jan. 22, 1959

No. 6-59, Jan. 26, 1959

No. 7-59, Jan. 29, 1959

No. 8-59, Feb. 2, 1959

No. 9-59, Feb. 5, 1959

No. 10-59, Feb. 9, 1959

No. 11-59, Feb. 12, 1959

No. 12-59, Feb. 16, 1959

No. 13-59, Feb. 19, 1959

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No. 16-59, Mar. 2, 1959

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No. 106-60, Jan. 12, 1961
No. 107-60, Jan. 19, 1961

1961

Recent Publications of the Committee on Experimental Geology and
Geophysics - 1961, Dunbar Laboratory, Harvard University, Cambridge
38, Massachusetts

No. 1-61, Jan. 12, 1961
No. 2-61, Jan. 16, 1961
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No. 84-61, Oct. 30, 1961
No. 85-61, Nov. 2, 1961
No. 86-61, Nov. 6, 1961
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No. 89-61, Nov. 16, 1961
Nov. 16, 1981, Information regarding Project GNOME
No. 90-61, Nov. 20, 1961
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Dec. 11, 1961, Additional information regarding Project GNOME

No. 97-61, Dec. 14, 1961

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No. 100-61, Jan. 25, 1961

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1962

Jan. 5, 1962, Correction of GNOME explosion position

No. 1-62, Jan. 18, 1962

No. 2-62, Jan. 22, 1962

No. 3-62, Jan. 25, 1962

No. 4-62, Jan. 29, 1962

No. 5-62, Feb. 1, 1962

No. 6-62, Feb. 5, 1962

No. 7-62, Feb. 8, 1962

No. 8-62, Feb. 12, 1962

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No. 48-62, Jul. 2, 1962

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Jul. 6, 1962, Notification of detonation of Project Sedan at Nevada Test Site

No. 50-62, Jul. 9, 1962

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No. 1-63, Jan. 17, 1963
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