

Box 25– Collection of Rev. James J. Ruddick, S.J.

Jesuit Seismographic Association papers

**Preliminary Determination of Epicenter (PDE) postcards
ca. 1954 – 1959**

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

Preliminary Epicenter

No. S 2-54, Jan. 21, 1954

No. S 3-54, Jan. 28, 1954

No. S 4-54, Feb. 4, 1954

No. S 5-54a, Feb. 11, 1954

No. S 5-54b, Feb. 11, 1954

No. S 6-54a, Feb. 18, 1954

No. S 6-54b, Feb. 18, 1954

No. S 7-54, Feb. 25, 1954

No. S 8-54, Mar. 4, 1954

No. S 9-54a, Mar. 11, 1954

No. S 9-54a, Mar. 11, 1954

No. S 10-54, Mar. 18, 1954

No. S 11-54, Mar. 25, 1954

No. S 12-54, Apr. 1, 1954

No. S 13-54, Apr. 8, 1954
No. S 14-54a, Apr. 15, 1954
No. S 14-54b, Apr. 15, 1954
No. S 15-54, Apr. 22, 1954
No. S 16-54a, Apr. 29, 1954
No. S 16-54b, Apr. 29, 1954
No. S 17-54, May 6, 1954
No. S 18-54a, May 13, 1954
No. S 18-54b, May 13, 1954
No. S 19-54, May 20, 1954
No. S 20-54, May 27, 1954
No. S 21-54, Jun. 3, 1954
No. S 22-54, Jun. 10, 1954
No. S 23-54a, Jun. 17, 1954
No. S 23-54b, Jun. 17, 1954
No. S 24-54, Jun. 24, 1954
No. S 25-54, Jul. 1, 1954
No. S 26-54, Jul. 8, 1954
No. S 27-54a, Jul. 15, 1954
No. S 27-54b, Jul. 15, 1954
No. S 28-54, Jul. 22, 1954
No. S 29-54, Jul. 29, 1954
No. S 30-54, Aug. 5, 1954
No. S 31-54a, Aug. 5, 1954
No. S 31-54b, Aug. 5, 1954
No. S 32-54a, Aug. 19, 1954
No. S 32-54b, Aug. 19, 1954
No. S 33-54a, Aug. 26, 1954
No. S 33-54b, Aug. 26, 1954

No. S 34-54a, Sept. 2, 1954
No. S 34-54b, Sept. 2, 1954
No. S 35-54, Sept. 9, 1954
No. S 36-54, Sept. 16, 1954
No. S 37-54a, Sept. 23, 1954
No. S 37-54b, Sept. 23, 1954
No. S 38-54, Sept. 30, 1954
No. S 39-54, Oct. 7, 1954
No. S 40-54a, Oct. 14, 1954
No. S 40-54b, Oct. 14, 1954
No. S 41-54, Oct. 21, 1954
No. S 42-54, Oct. 28, 1954
No. S 43-54a, Nov. 4, 1954
No. S 43-54b, Nov. 4, 1954
No. S 44-54a, Nov. 10, 1954
No. S 44-54b, Nov. 10, 1954
No. S 45-54a, Nov. 18, 1954
No. S 45-54b, Nov. 18, 1954
No. S 46-54, Nov. 24, 1954
No. S 47-54, Dec. 2, 1954
No. S 48-54a, Dec. 9, 1954
No. S 48-54b, Dec. 9, 1954
No. S 49-54a, Dec. 16, 1954
No. S 49-54b, Dec. 16, 1954
No. S 50-54, Dec. 22, 1954
No. S 51-54a, Dec. 29, 1954
No. S 51-54b, Dec. 29, 1954

1955

No. S 52-54, Jan. 6, 1955
No. S 53-54, Jan. 13, 1955
No. 1-55, Jan. 6, 1955
No. 2-55, Jan. 10, 1955
No. 3-55, Jan. 13, 1955
No. 4-55, Jan. 17, 1955
No. 5-55, Jan. 20, 1955
No. 6-55, Jan. 24, 1955
No. 7-55, Jan. 27, 1955
No. 8-55, Jan. 31, 1955
No. 9-55, Feb. 3, 1955
No. 10-55, Feb. 7, 1955
No. 11-55, Feb. 10, 1955
No. 12-55, Feb. 14, 1955
No. 13-55, Feb. 17, 1955
No. 14-55, Feb. 21, 1955
No. 15-55, Feb. 24, 1955
No. 16-55, Feb. 28, 1955
No. 17-55, Mar. 3, 1955
No. 18-55, Mar. 7, 1955
No. 19-55, Mar. 10, 1955
No. 20-55, Mar. 14, 1955
No. 21-55, Mar. 17, 1955
No. 22-55, Mar. 21, 1955
No. 23-55, Mar. 24, 1955
No. 24-55, Mar. 28, 1955
No. 25-55, Mar. 31, 1955
No. 26-55, Apr. 4, 1955
No. 27-55, Apr. 7, 1955

No. 28-55, Apr. 11, 1955
No. 29-55, Apr. 14, 1955
No. 30-55, Apr. 18, 1955
No. 31-55, Apr. 21, 1955
No. 32-55, Apr. 25, 1955
No. 33-55, Apr. 28, 1955
No. 34-55, May 2, 1955
No. 35-55, May 5, 1955
No. 36-55, May 10, 1955
No. 37-55, May 12, 1955
No. 38-55, May 16, 1955
No. 39-55, May 19, 1955
No. 40-55, May 23, 1955
No. 41-55, May 26, 1955
No. 42-55, May 31, 1955
No. 43-55, Jun. 2, 1955
No. 44-55, Jun. 6, 1955
No. 45-55, Jun. 9, 1955
No. 46-55, Jun. 13, 1955
No. 47-55, Jun. 16, 1955
No. 48-55, Jun. 20, 1955
No. 49-55, Jun. 23, 1955
No. 50-55, Jun. 27, 1955
No. 51-55, Jun. 30, 1955
No. 52-55, Jul. 5, 1955
No. 53-55, Jul. 7, 1955
No. 54-55, Jul. 11, 1955
No. 55-55, Jul. 14, 1955
No. 56-55, Jul. 18, 1955

No. 57-55, Jul. 21, 1955
No. 58-55, Jul. 25, 1955
No. 59-55, Jul. 28, 1955
No. 60-55, Aug. 1, 1955
No. 61-55, Aug. 4, 1955
No. 62-55, Aug. 8, 1955
No. 63-55, Aug. 11, 1955
No. 64-55, Aug. 15, 1955
No. 65-55, Aug. 18, 1955
No. 66-55, Aug. 22, 1955
No. 67-55, Aug. 25, 1955
No. 68-55, Aug. 29, 1955
No. 69-55, Sept. 1, 1955
No. 70-55, Sept. 6, 1955
No. 71-55, Sept. 8, 1955
No. 72-55, Sept. 12, 1955
No. 73-55, Sept. 15, 1955
No. 74-55, Sept. 19, 1955
No. 75-55, Sept. 22, 1955
No. 76-55, Sept. 26, 1955
No. 77-55, Sept. 29, 1955
No. 78-55, Oct. 3, 1955
No. 79-55, Oct. 6, 1955
No. 80-55, Oct. 10, 1955
No. 81-55, Oct. 13, 1955
No. 82-55, Oct. 17, 1955
No. 83-55, Oct. 20, 1955
No. 84-55, Oct. 24, 1955
No. 85-55, Oct. 27, 1955

No. 86-55, Oct. 31, 1955
No. 87-55, Nov. 3, 1955
No. 88-55, Nov. 7, 1955
No. 89-55, Nov. 9, 1955
No. 90-55, Nov. 14, 1955
No. 91-55, Nov. 17, 1955
No. 92-55, Nov. 21, 1955
No. 93-55, Nov. 23, 1955
No. 94-55, Nov. 28, 1955
No. 95-55, Dec. 1, 1955
No. 96-55, Dec. 5, 1955
No. 97-55, Dec. 8, 1955
No. 98-55, Dec. 12, 1955
No. 99-55, Dec. 15, 1955
No. 100-55, Dec. 19, 1955
No. 101-55, Dec. 22, 1955
No. 102-55, Dec. 27, 1955
No. 103-55, Dec. 29, 1955
No. 104-55, Jan. 3, 1956
No. 105-55, Jan. 5, 1956

1956

No. 1-56, Jan. 5, 1956
No. 2-56, Jan. 9, 1956
No. 3-56, Jan. 12, 1956
No. 4-56, Jan. 16, 1956
No. 5-56, Jan. 19, 1956
No. 6-56, Jan. 23, 1956
No. 7-56, Jan. 26, 1956

No. 8-56, Jan. 30, 1956
No. 9-56, Feb. 2, 1956
No. 10-56, Feb. 6, 1956
No. 11-56, Feb. 9, 1956
No. 12-56, Feb. 13, 1956
No. 13-56, Feb. 16, 1956
No. 14-56, Feb. 20, 1956
No. 15-56, Feb. 23, 1956
No. 16-56, Feb. 27, 1956
No. 17-56, Mar. 1, 1956
No. 18-56, Mar. 5, 1956
No. 19-56, Mar. 9, 1956
No. 20-56, Mar. 12, 1956
No. 21-56, Mar. 15, 1956
No. 22-56, Mar. 19, 1956
No. 23-56, Mar. 22, 1956
No. 24-56, Mar. 26, 1956
No. 25-56, Mar. 29, 1956
No. 26-56, Apr. 2, 1956
No. 27-56, Apr. 5, 1956
No. 28-56, Apr. 9, 1956
No. 29-56, Apr. 12, 1956
No. 30-56, Apr. 16, 1956
No. 31-56, Apr. 19, 1956
No. 32-56, Apr. 23, 1956
No. 33-56, Apr. 26, 1956
No. 34-56, Apr. 30, 1956
No. 35-56, May 3, 1956
No. 36-56, May 7, 1956

No. 37-56, May 10, 1956

No. 38-56, May 14, 1956

No. 39-56, May 17, 1956

No. 40-56, May 21, 1956

No. 41-56, May 24, 1956

No. 42-56, May 28, 1956

No. 43-56, May 31, 1956

List of current publications of the Lamont Geological Observatory, List no. 23, Jun. 1956

List of current publications of the Lamont Geological Observatory, List no. 25, Jun. 1956

No. 44-56, Jun. 4, 1956

No. 45-56, Jun. 7, 1956

No. 46-56, Jun. 11, 1956

No. 47-56, Jun. 14, 1956

No. 48-56, Jun. 18, 1956

No. 49-56, Jun. 21, 1956

No. 50-56, Jun. 25, 1956

No. 51-56, Jun. 28, 1956

No. 52-56, Jul. 2, 1956

No. 54-56, Jul. 9, 1956

No. 55-56, Jul. 12, 1956

No. 56-56, Jul. 16, 1956

No. 57-56, Jul. 19, 1956

No. 58-56, Jul. 23, 1956

No. 59-56, Jul. 26, 1956

No. 60-56, Jul. 30, 1956

No. 61-56, Aug. 2, 1956

No. 62-56, Aug. 6, 1956

No. 63-56, Aug. 9, 1956
No. 64-56, Aug. 13, 1956
No. 65-56, Aug. 16, 1956
No. 66-56, Aug. 20, 1956
No. 67-56, Aug. 23, 1956
No. 68-56, Aug. 27, 1956
No. 69-56, Aug. 30, 1956
No. 70-56, Sept. 4, 1956
No. 71-56, Sept. 6, 1956
No. 72-56, Sept. 10, 1956
No. 73-56, Sept. 13, 1956
No. 74-56, Sept. 17, 1956
No. 75-56, Sept. 20, 1956
No. 76-56, Sept. 24, 1956
No. 77-56, Sept. 27, 1956

List of current publications of the Lamont Geological Observatory, List no. 26, Oct. 1956

List of current publications of the Lamont Geological Observatory, List no. 27, Oct. 1956

List of current publications of the Lamont Geological Observatory, List no. 28, Oct. 1956

No. 78-56, Oct. 1, 1956
No. 79-56, Oct. 4, 1956
No. 80-56, Oct. 8, 1956
No. 81-56, Oct. 11, 1956
No. 82-56, Oct. 15, 1956
No. 83-56, Oct. 18, 1956
No. 84-56, Oct. 22, 1956
No. 85-56, Oct. 25, 1956

No. 86-56, Oct. 29, 1956
No. 87-56, Nov. 1, 1956
No. 88-56, Nov. 5, 1956
No. 89-56, Nov. 8, 1956
No. 90-56, Nov. 13, 1956
No. 91-56, Nov. 15, 1956
No. 92-56, Nov. 19, 1956
No. 93-56, Nov. 21, 1956
No. 94-56, Nov. 26, 1956
No. 95-56, Nov. 29, 1956
No. 96-56, Dec. 3, 1956
No. 97-56, Dec. 6, 1956
No. 98-56, Dec. 10, 1956
No. 99-56, Dec. 13, 1956
No. 100-56, Dec. 17, 1956
No. 101-56, Dec. 20, 1956
No. 102-56, Dec. 27, 1956
No. 103-56, Dec. 31, 1956
No. 104-56, Jan. 3, 1957
No. 105-56, Jan. 7, 1957
No. 106-56, Jan. 10, 1957
No. 107-56, Jan. 17, 1957

1957

No. 1-57, Jan. 3, 1957
No. 2-57, Jan. 7, 1957
No. 3-57, Jan. 10, 1957
No. 4-57, Jan. 14, 1957
No. 5-57, Jan. 17, 1957

No. 6-57, Jan. 22, 1957

No. 7-57, Jan. 24, 1957

No. 8-57, Jan. 28, 1957

No. 9-57, Jan. 31, 1957

List of current publications of the Lamont Geological Observatory, List no. 29, Feb. 1957

List of current publications of the Lamont Geological Observatory, List no. 30, Feb. 1957

List of current publications of the Lamont Geological Observatory, List no. 31, Feb. 1957

No. 10-57, Feb. 4, 1957

No. 11-57, Feb. 7, 1957

No. 12-57, Feb. 11, 1957

No. 13-57, Feb. 14, 1957

No. 14-57, Feb. 18, 1957

No. 15-57, Feb. 21, 1957

No. 16-57, Feb. 25, 1957

No. 17-57, Feb. 28, 1957

No. 18-57, Mar. 4, 1957

No. 19-57, Mar. 7, 1957

No. 20-57, Mar. 11, 1957

No. 21-57, Mar. 14, 1957

No. 22-57, Mar. 18, 1957

No. 23-57, Mar. 21, 1957

No. 24-57, Mar. 25, 1957

No. 25-57, Mar. 28, 1957

No. 26-57, Apr. 1, 1957

No. 27-57, Apr. 4, 1957

No. 28-57, Apr. 8, 1957

No. 29-57, Apr. 11, 1957

No. 30-57, Apr. 15, 1957

No. 31-57, Apr. 18, 1957

No. 32-57, Apr. 22, 1957

No. 33-57, Apr. 25, 1957

No. 34-57, Apr. 29, 1957

List of current publications of the Lamont Geological Observatory, List no. 32, May 1957

List of current publications of the Lamont Geological Observatory, List no. 32, May 1957

List of current publications of the Lamont Geological Observatory, List no. 34, May 1957

Recent Publications of the Committee on Experimental Geology and Geophysics Harvard University - May 1957

No. 35-57, May 2, 1957

No. 36-57, May 6, 1957

No. 37-57, May 9, 1957

No. 38-57, May 13, 1957

No. 39-57, May 16, 1957

No. 40-57, May 20, 1957

No. 41-57, May 23, 1957

No. 42-57, May 27, 1957

No. 43-57, May 29, 1957

No. 44-57, Jun. 3, 1957

No. 45-57, Jun. 6, 1957

No. 46-57, Jun. 10, 1957

No. 47-57, Jun. 13, 1957

No. 48-57, Jun. 17, 1957

No. 49-57, Jun. 20, 1957

No. 50-57, Jun. 24, 1957

No. 51-57, Jun. 27, 1957

No. 52-57, Jul. 1, 1957

No. 53-57, Jul. 3, 1957

No. 54-57, Jul. 8, 1957

No. 55-57, Jul. 11, 1957

No. 56-57, Jul. 15, 1957

No. 57-57, Jul. 18, 1957

No. 58-57, Jul. 22, 1957

No. 59-57, Jul. 25, 1957

No. 60-57, Jul. 29, 1957

No. 61-57, Aug. 1, 1957

No. 62-57, Aug. 5, 1957

No. 63-57, Aug. 8, 1957

No. 64-57, Aug. 12, 1957

No. 65-57, Aug. 15, 1957

No. 66-57, Aug. 19, 1957

No. 67-57, Aug. 22, 1957

No. 68-57, Aug. 26, 1957

No. 69-57, Aug. 29, 1957

List of current publications of the Lamont Geological Observatory, List no. 35, Sept. 1957

List of current publications of the Lamont Geological Observatory, List no. 36, Sept. 1957

List of current publications of the Lamont Geological Observatory, List no. 37, Sept. 1957

List of current publications of the Lamont Geological Observatory, List no. 38, Sept. 1957

No. 70-57, Sept. 3, 1957

No. 71-57, Sept. 5, 1957
No. 72-57, Sept. 9, 1957
No. 73-57, Sept. 12, 1957
No. 74-57, Sept. 16, 1957
No. 75-57, Sept. 19, 1957
No. 76-57, Sept. 23, 1957
No. 77-57, Sept. 26, 1957
No. 78-57, Sept. 30, 1957
No. 80-57, Oct. 7, 1957
No. 81-57, Oct. 10, 1957
No. 82-57, Oct. 14, 1957
No. 83-57, Oct. 17, 1957
No. 84-57, Oct. 21, 1957
No. 85-57, Oct. 24, 1957
No. 86-57, Oct. 28, 1957
No. 87-57, Oct. 31, 1957
No. 88-57, Nov. 4, 1957
No. 89-57, Nov. 7, 1957
No. 90-57, Nov. 12, 1957
No. 91-57, Nov. 14, 1957
No. 92-57, Nov. 18, 1957
No. 93-57, Nov. 21, 1957
No. 94-57, Nov. 25, 1957
No. 95-57, Nov. 27, 1957
No. 96-57, Dec. 2, 1957
No. 97-57, Dec. 5, 1957
No. 98-57, Dec. 9, 1957
No. 100-57, Dec. 16, 1957
No. 101-57, Dec. 19, 1957

No. 102-57, Dec. 23, 1957
No. 103-57, Dec. 26, 1957
No. 104-57, Dec. 30, 1957
No. 105-57, Jan. 2, 1958
No. 106-57, Jan. 6, 1958
No. 107-57, Jan. 9, 1958
No. 108-57, Jan. 16, 1958

1958

No. 1-58, Jan. 9, 1958
No. 2-58, Jan. 13, 1958
No. 3-58, Jan. 16, 1958
No. 4-58, Jan. 20, 1958
No. 5-58, Jan. 23, 1958
No. 6-58, Jan. 27, 1958
No. 7-58, Jan. 30, 1958

List of current publications of the Lamont Geological Observatory, List no. 39, Feb. 1958

List of current publications of the Lamont Geological Observatory, List no. 40, Feb. 1958

List of current publications of the Lamont Geological Observatory, List no. 41, Feb. 1958

No. 8-58, Feb. 3, 1958
No. 9-58, Feb. 6, 1958
No. 10-58, Feb. 10, 1958
No. 11-58, Feb. 13, 1958
No. 12-58, Feb. 17, 1958
No. 13-58, Feb. 20, 1958
No. 14-58, Feb. 24, 1958

No. 15-58, Feb. 27, 1958
No. 16-58, Mar. 3, 1958
No. 17-58, Mar. 6, 1958
No. 18-58, Mar. 10, 1958
No. 19-58, Mar. 13, 1958
No. 20-58, Mar. 17, 1958
No. 21-58, Mar. 20, 1958
No. 22-58, Mar. 24, 1958
No. 23-58, Mar. 27, 1958
No. 24-58, Mar. 31, 1958
No. 25-58, Apr. 3, 1958
No. 26-58, Apr. 7, 1958
No. 27-58, Apr. 10, 1958
No. 28-58, Apr. 14, 1958
No. 29-58, Apr. 17, 1958
No. 31-58, Apr. 24, 1958
No. 32-58, Apr. 28, 1958
No. 33-58, May 1, 1958
No. 34-58, May 5, 1958
No. 35-58, May 8, 1958
No. 36-58, May 12, 1958
No. 37-58, May 15, 1958
No. 38-58, May 19, 1958
No. 39-58, May 22, 1958
No. 40-58, May 26, 1958
No. 41-58, May 28, 1958
No. 42-58, Jun. 2, 1958
No. 43-58, Jun. 5, 1958
No. 44-58, Jun. 9, 1958

No. 45-58, Jun. 12, 1958
No. 46-58, Jun. 16, 1958
No. 47-58, Jun. 19, 1958
No. 48-58, Jun. 23, 1958
No. 49-58, Jun. 26, 1958
No. 50-58, Jun. 30, 1958
No. 51-58, Jul. 2, 1958
No. 52-58, Jul. 7, 1958
No. 53-58, Jul. 10, 1958
No. 54-58, Jul. 14, 1958
No. 55-58, Jul. 17, 1958
No. 56-58, Jul. 21, 1958
No. 57-58, Jul. 24, 1958
No. 58-58, Jul. 28, 1958
No. 59-58, Jul. 31, 1958
No. 60-58, Aug. 4, 1958
No. 61-58, Aug. 7, 1958
No. 62-58, Aug. 11, 1958
No. 63-58, Aug. 14, 1958
No. 64-58, Aug. 18, 1958
No. 65-58, Aug. 21, 1958
No. 66-58, Aug. 25, 1958
No. 67-58, Aug. 28, 1958
No. 68-58, Sept. 2, 1958
No. 69-58, Sept. 4, 1958
No. 70-58, Sept. 8, 1958
No. 71-58, Sept. 11, 1958
No. 72-58, Sept. 15, 1958
No. 73-58, Sept. 18, 1958

No. 74-58, Sept. 22, 1958

Announcement of explosions being conducted by the Atomic Energy Commission at the Nevada Test Site, Sept. 24, 1958

No. 75-58, Sept. 25, 1958

No. 76-58, Sept. 29, 1958

Announcement of explosions being conducted by the Atomic Energy Commission at the Nevada Test Site, Sept. 30, 1958

No. 77-58, Oct. 2, 1958

No. 78-58, Oct. 6, 1958

No. 79-58, Oct. 9, 1958

Announcement of explosions being conducted by the Atomic Energy Commission at the Nevada Test Site, Oct. 13, 1958

No. 80-58, Oct. 13, 1958

No. 81-58, Oct. 16, 1958

No. 82-58, Oct. 20, 1958

Announcement of explosions being conducted by the Atomic Energy Commission at the Nevada Test Site, Oct. 21, 1958

No. 83-58, Oct. 23, 1958

No. 84-58, Oct. 27, 1958

No. 85-58, Oct. 30, 1958

No. 86-58, Nov. 3, 1958

No. 87-58, Nov. 6, 1958

Announcement of explosions being conducted by the Atomic Energy Commission at the Nevada Test Site, Nov. 13, 1958

No. 89-58, Nov. 13, 1958

No. 90-58, Nov. 17, 1958

No. 91-58, Nov. 20, 1958

No. 92-58, Nov. 24, 1958

No. 93-58, Nov. 26, 1958

No. 94-58, Dec. 1, 1958
No. 95-58, Dec. 4, 1958
No. 96-58, Dec. 8, 1958
No. 97-58, Dec. 11, 1958
No. 98-58, Dec. 15, 1958
No. 99-58, Dec. 18, 1958
No. 100-58, Dec. 22, 1958
No. 101-58, Dec. 24, 1958
No. 102-58, Dec. 29, 1958
No. 103-58, Dec. 31, 1958
No. 104-58, Jan. 5, 1959
No. 105-58, Jan. 8, 1959
No. 106-58, Jan. 15, 1959