

Other Data

The *Preliminary Determination of Epicenters Monthly Listing*¹, a chronological listing of earthquakes located worldwide, contains for each event the date of occurrence, origin time, geographic location, epicentral region, felt and damage data, focal depth, magnitude, and the number of seismic stations used in computing each epicenter. Listings for 1965-76 may be obtained on 16-mm microfilm for \$20 (see example below).

The *Earthquake Data Report*¹, a twice-weekly compilation of data used in the computation of the above listing, contains station arrival times, individual distances, azimuths, and traveltime residuals. It may be purchased on 16-mm microfilm for the period 1967-76 at a cost of \$40 per year (see example below). A complete set (26 reels) is available at \$400 per set.



PRELIMINARY DETERMINATION OF EPICENTERS

Monthly Listing

National Earthquake Information Service

DATE	TIME	LOCATION	DEPTH	MAGNITUDE	STATIONS
1976	01 07 29.8	3.1 N 124.2 E	150	4.5	12 17 19
1976	01 08 32.1	4.5 N 75.0 W	8	4.2	1 8 22 28
1976	01 08 38.2	24.0 N 178.0 W	184	4.8	1 4 22 28
1976	01 08 39.9	52.0 N 158.1 W	22	5.0	1 4 22 28
1976	01 08 40.0	20.0 N 178.0 W	8	4.5	1 4 22 28
1976	01 08 40.0	20.0 N 178.0 W	8	4.5	1 4 22 28
1976	01 08 40.0	20.0 N 178.0 W	8	4.5	1 4 22 28
1976	01 08 40.0	20.0 N 178.0 W	8	4.5	1 4 22 28
1976	01 08 40.0	20.0 N 178.0 W	8	4.5	1 4 22 28
1976	01 08 40.0	20.0 N 178.0 W	8	4.5	1 4 22 28

EDR NO 19-75 U. S. DEPARTMENT OF THE INTERIOR
APR 25, 1975 Geological Survey
EP 1-33

EARTHQUAKE DATA REPORT

DATE	TIME	LOCATION	DEPTH	MAGNITUDE	STATIONS
APR 1, 1975	01 07 29.8	3.1 N 124.2 E	150	4.5	12 17 19
APR 1, 1975	01 08 32.1	4.5 N 75.0 W	8	4.2	1 8 22 28
APR 1, 1975	01 08 38.2	24.0 N 178.0 W	184	4.8	1 4 22 28
APR 1, 1975	01 08 39.9	52.0 N 158.1 W	22	5.0	1 4 22 28
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¹Data in these files were produced by elements originally in the Coast and Geodetic Survey, the National Ocean Survey and, more recently, NOAA, Environmental Research Laboratories. As of September 1973, these elements are in the U.S. Department of the Interior, Geological Survey.

The *Reid Earthquake Catalog* is a comprehensive collection of earthquake and volcano data on 3 by 5-inch index cards and augmented by newspaper clippings of principal earthquakes. The catalog, which is in chronological sequence and cross-indexed by geographical regions, covers the time from before Christ to 1931. Many of the original cards were handwritten; therefore, the photocopies are of variable clarity. The complete catalog is available on five reels of 16-mm microfilm at \$75 per set.

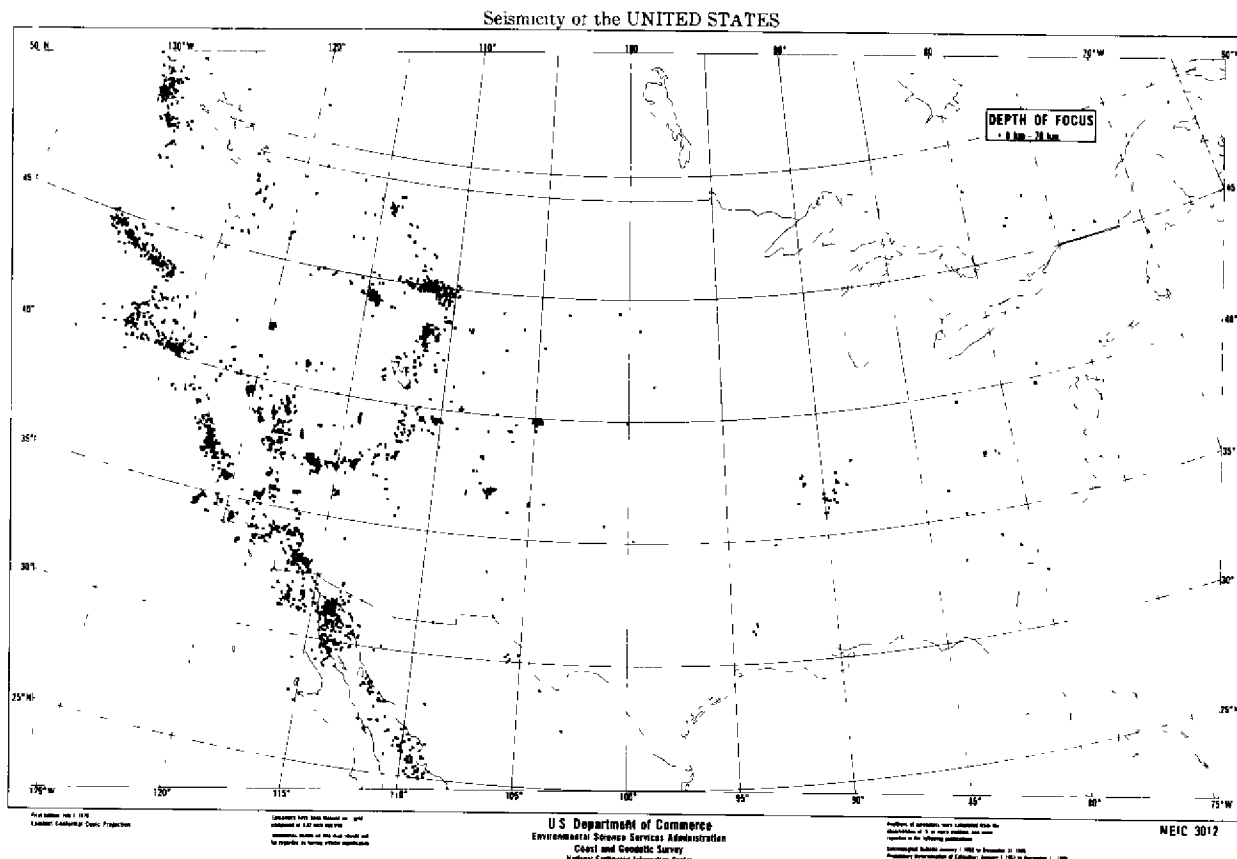
Seismicity Maps

World Seismicity Map. This five-color map, 48 by 36 inches, depicts patterns of global earthquake activity from July 1, 1963, through 1972. Dots show earthquake epicenters with body-wave magnitude ≥ 4.5 whose locations were determined using 10 or more observations. The map shows the Earth on a Mercator projection. Three colors distinguish the principal depth-of-focus classes (0-70 km, 71-300 km, and 301-700 km). (Available from USGS, Denver Federal Center, Bldg. 41, Denver, CO 80225. Price: \$1.50. Make check or money order payable to U.S. Geological Survey.)

Regional Seismicity Maps. These 20- by 30-inch maps show patterns of regional seismicity of the Earth for 1962-69. Except for the United States region, which contains earthquake locations from 1961, the maps pinpoint earthquakes from 1962 that were located using earthquake observations from at least 10 different stations. An index map also is available. The maps, by region, are as follows: (Available from Distribution Division (C44), National Ocean Survey, NOAA, Riverdale, MD 20840. Price: \$0.25 each. See sample, p. 7.)

- 1) Southwest Pacific (NEIC 3088)
- 2) Southeast Asia (NEIC 3009)
- 3) Japan and Kuril Islands (NEIC 3610)
- 4) Alaska (NEIC 3011)
- 5) The United States (NEIC 3012)
- 6) Middle America (NEIC 3013)
- 7) South America (NEIC 3014)
- 8) Europe and the Middle East (NEIC 3015)
- 9) Central Asia (NEIC 3016)
- 10) North Atlantic Ocean (NEIC 3017)
- 11) South Atlantic Ocean (NEIC 3018)
- 12) Indian Ocean (NEIC 3019)
- 13) Arctic Region (NEIC 3020)
- 14) Antarctic Region (NEIC 3021)

Earthquake Epicenters of the World. Two do-it-yourself icosahedron and tetrahedron globes show the locations of all earthquakes of magnitude 4.5 or greater for 1963-74. Price: 10 or more copies, \$0.10 each; 3 to 9 copies, \$1 total; one copy of each free.



Special Services

Custom Plots

The National Geophysical and Solar-Terrestrial Data Center produces earthquake maps of specific areas and specified projections on request. Costs depend on the complexity and the computer time required. (See sample plots above and on p. 2.)

Requests Through WDC-A

World Data Center A for Solid Earth Geophysics assists scientists to obtain copies of original or calibrated data held by other scientists or World Data Centers. The charge for this service does not exceed the cost of postage and copying of data. Requests should be sent to World Data Center A for Solid Earth Geophysics, NOAA/EDIS/NGSDC, Boulder, CO 80303. Publications available from WDC-A are listed under the "Miscellaneous Catalogs" section, p. 13.



Seismological Data from People's Republic of China

Preliminary Seismological Report of the Central Station, Peking, and Auxiliary Stations (1960-65 inclusive). These include earthquake arrival times and epicenters recorded at as many as 13 seismograph stations in the People's Republic of China. Station locations and standard instrumental response characteristics are listed. About 950 total pages. Available on 16-mm microfilm or microfiche. In English. Price: \$20.

Chinese Seismological Station Report (1971-73 inclusive). *Seismological Bulletin of Chinese Stations (1974).* They include earthquake arrival times and epicenters recorded at as many as 17 stations in the People's Republic of China and a list of stations and plots of instrumental characteristics. About 250-400 pages in each bulletin. Available on 16-mm microfilm or microfiche. Some Chinese text. Price: \$20.

Monthly Earthquake Observation Report for Peking Station (Jan. 1975 - Dec. 1977). These list phase arrival times and magnitudes. About 4 pages in each monthly report. Xerographic copies. Some Chinese text. Price: \$20 for set.

Catalog of Chinese Earthquakes. Published in 1970. The catalog is in two parts--part one covering 1177 B.C. to 1899 A.D. and part two covering 1900 A.D. to 1949 A.D. It contains dates, epicenters, magnitudes, and intensities at various locations,

descriptive material on damage and effects, and isoseismal sketches. Text in Chinese. Title page, table of contents, and preface translated. 359 total pages. Available on 16-mm microfilm or microfiche. Price: \$20.

Punched cards containing data from the catalog cited above are available for \$10 for each of the parts (part two has been augmented with new and revised data through 1976) or \$15 for both parts. Complete descriptions of these expanded catalogs and the format for the punched cards are contained in "A Catalog of Historical Earthquakes in China" by W.H.K. Lee, F.T. Wu, and Carl Jacobsen, *Bulletin of the Seismological Society of America*, vol. 66, no. 6, December 1976, pp. 2003-2016, and "A Catalog of Instrumentally Determined Earthquakes in China (Magnitude ≥ 6) Compiled from Various Sources" by W.H.K. Lee, F.T. Wu, and S.C. Wang, *Bulletin of the Seismological Society of America*, vol. 68, no. 2, April 1978.

Copies of seismograms from seismograph stations in People's Republic of China for earthquakes of November 8 and 18, 1971. Twelve station-days, three components each for stations at Peking, Paotow, Lhasa, Nanking, Seh-shan, Wuchang, Urumchi, and Shan. (All stations are not available for each earthquake. Detailed list upon request.) Available on 35-mm microfilm, but quality is only fair. Price: \$10 for set.