

PUBLICATIONS

The following data publications have been prepared by components of the National Oceanic and Atmospheric Administration and the U.S. Geological Survey, some jointly. They are presented in six categories: regular, general reports of damaging earthquakes, tsunamis, popular, and miscellaneous. Although partially technical in character, most can be understood by the layman or educator interested in the general aspects of earthquake information and present-day research. The "popular" section contains brochures and leaflets prepared in a nontechnical manner especially for the general public. Please include stock or catalog number, complete title, and check with orders for all publications.

Regular Reports

United States Earthquakes (1928 through 1975) is an annual summary of all earthquakes in the United States and nearby territories. It gives brief descriptions of all felt and damaging tremors and lists those that were recorded by a sufficient number of seismograph stations to be located, but went unobserved by residents in the area. Other sections describe geodetic work of seismological interest, tsunamis (earthquake-induced seawaves), and principal world earthquakes. (Reports are available as indicated in the price list below. Make check or money order payable as indicated in the footnotes.)

UNITED STATES EARTHQUAKES PRICE LIST

1928-1935, Cat. No. COM-73-11456....	*
1936-1940, Cat. No. COM-73-11457....	*
1941-1945, Cat. No. COM-73-11447....	*
1946, Cat. No. COM-74-10087/6GA.....	*
1947, Cat. No. COM-74-10088/4GA.....	*
1948, Cat. No. COM-74-10095/9GA.....	*
1949, Cat. No. COM-74-10089/2GA.....	*
1950, Cat. No. COM-74-10223/7GA.....	*
1951, Cat. No. COM-74-10090/0GA.....	*
1952, Cat. No. COM-74-10091/8GA.....	*
1953, Cat. No. COM-74-10092/6GA.....	*
1954, Cat. No. COM-74-10093/4GA.....	*
1955, Cat. No. COM-74-10094/2GA.....	*
1956, Cat. No. COM-74-10096/7GA.....	*
1957, Cat. No. COM-74-10097/5GA.....	*
1958, Cat. No. COM-74-10279/9GA.....	*
1959, Cat. No. COM-74-10098/3GA.....	*
1960, Cat. No. COM-74-10099/1GA.....	*
1961, Cat. No. COM-74-10834/1GA.....	*
1962, Cat. No. COM-74-10835/8GA.....	*
1963, Cat. No. COM-74-10836/6GA.....	*

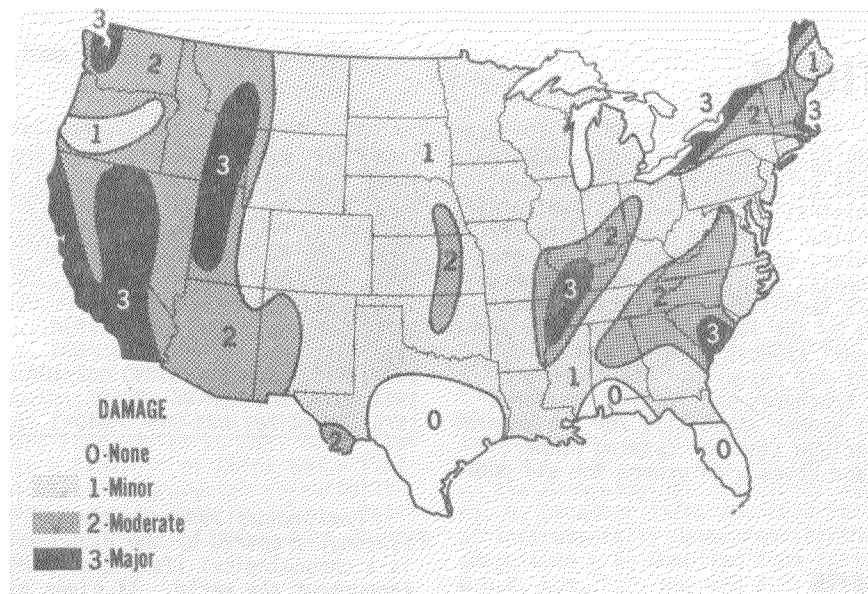
1964, Cat. No. COM-74-10837/4GA.....	*
1965, Cat. No. COM-74-10711/1GA.....	*
1966, Cat. No. COM-74-10712/9GA.....	*
1967, Cat. No. COM-74-10777/2GA.....	*
1968, Cat. No. COM-74-10778/0GA.....	*
1969, Cat. No. COM-74-50402.....	*
1970, Cat. No. COM-73-50111.....	*
1971, Cat. No. COM-74-50633/8GA.....	*
1972, Cat. No. COM-75-50006/6GA.....	*
1973, Cat. No. COM-PB-250 362/1GA...	*
1974, Cat. No. COM-PB-260697.....	*
1975, Stock No. 003-019-00040-3.....	\$2**

Preliminary Determination of Epicenters Monthly Listing, prepared by the U.S. Geological Survey, is a chronological listing of earthquakes located throughout the world. It gives time of occurrence, geographic coordinates, region of occurrence, felt and damage comments, depth, magnitude, and other pertinent data for each tremor. (Available on subscription from Superintendent of Documents, address in footnote below. Annual subscription \$4.35; \$1.10 additional for foreign mailing.)

Earthquake History of the United States, Revised Edition (Through 1970), is a catalog of all important United States earthquakes (generally intensity V and above) of historical record. It contains descriptive text on each tremor and regional tables of earthquake locations, affected areas, and intensities. Epicenter maps show earthquake distribution in the United States and Puerto Rico. Price: \$5.

*Available from National Technical Information Service (NTIS), U.S. Department of Commerce, 5282 Port Royal Rd., Springfield, VA 22161. NTIS has changed its pricing policy for publications. Please check with NTIS at the above address for current prices.

**Available from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. (Please order by Stock Number. Make check or money order payable to "Superintendent of Documents.") NOTE: Requests for Government publications often are expedited by ordering through local GPO Bookstores which are located in several U.S. cities. (See list of GPO Bookstores, p. 15.)



Seismic Engineering Program Report is a quarterly publication containing a list of accelerometer records obtained during a given period and other information pertinent to the strong-motion program. This report is issued in the Circular series of the USGS. (Available from the Branch of Distribution, USGS, 1200 S. Eads Street, Arlington, VA 22202.)

Earthquakes in the United States is a quarterly report containing hypocenter lists, magnitudes, intensities, felt information, isoseismal maps, and seismicity maps. This report issued in the Circular series replaces the "Abstracts of Earthquake Reports for the United States." (Available from USGS, address above.)

General Reports

Earthquake Investigations in the Western United States, 1931-1964 describes the seismology programs conducted under the auspices of the Federal Government during those years. It is primarily of engineering interest as it concerns the precise measurements of ground and building motion resulting from natural and artificial causes. The report also describes structural damage caused by Western United States earthquakes since 1933. (Available from National Technical Information Service, address on p. 9. Catalog No. COM-74-1325/0.)

Earthquake Investigation in the United States, Revised (1969) Edition explains the more important facts of earthquake phenomena and outlines the role played by the Federal Government and local

seismological organizations in dealing with the scientific and economic aspects of the earthquake problem. Descriptions of historical United States earthquakes, tsunamis, seismographs, and engineering seismology also are included. Price: \$1.

Reports on Damaging Earthquakes

The Prince William Sound, Alaska, Earthquake of 1964 and Aftershocks, Vol. I describes the equipment, instrumentation survey systems, and specific procedures used in coordinated seismological, geodetic, photogrammetric, oceanographic, hydrographic, and cartographic studies directed toward determining both the causal factors and associated effects of this earthquake and its aftershocks. Price: \$6.

The Prince William Sound, Alaska, Earthquake of 1964 and Aftershocks, Vol. II, Part A is directed toward engineers, architects, builders, and all others seriously interested in the reasons for the extensive damage to buildings and other properties in Anchorage. The mode of failure for most major buildings is described, and the damage analysis clearly indicates danger points in some modern design methods. Price: \$5.

The Prince William Sound, Alaska, Earthquake of 1964 and Aftershocks, Vol. II, Parts B and C. Part B covers what may be termed "pure" seismology. The research papers contain extensive statistical evaluations of the observational data obtained, as well as analytical and theoretical interpretations of these data. Part C contains Marine Geological Studies. The creation of fault scarps on the sea bottom and the modification of the submarine terrain by faulting associated

with the earthquake series are discussed, along with the causal action of differential movements along faults in the ocean floor in triggering earthquake aftershocks. Price: \$5.

The Prince William Sound, Alaska, Earthquake of 1964 and Aftershocks, Vol. III contains research papers that cover definitive geodetic studies made possible by the precise adjustment of geodetic data in conjunction with the earthquake, together with interpretative results from supporting, and concurrently obtained, photogrammetric surveys. Price: \$5.



The Puget Sound, Washington, Earthquake of April 29, 1965 gives a detailed description of the seismological and engineering aspects of this important earthquake. It includes the geology and seismic history of that region and a discussion of the intensity, direction of faulting, and foreshocks and aftershocks. (Available from National Technical Information Service, address on p. 9. Catalog No. COM-73-11448.)

The Parkfield, California, Earthquake of June 27, 1966 describes the seismological engineering aspects of this earthquake. It contains 26 damage photographs and 35 maps and charts that describe various aspects of the shock. (Available from National Technical Information Service, address on p. 9. Catalog No. COM-73-11449.)

The Fairbanks, Alaska, Earthquakes of June 21, 1967 is similar in content to that described above. It details the effects of the Fairbanks earthquake series and contains 41 photos and maps that describe various aspects of these earthquakes. (Available from National Technical Information Service, address on p. 9. Catalog No. COM-73-11446.)

The Santa Rosa, California, Earthquakes of October 1, 1969 is a collection of three papers that describe the engineering aspects, strong-motion instrument results, and intensity of these earthquakes. Included are descriptions of public utility damage, case histories of building damage, and a discussion of the geologic and soil conditions of the region and its seismic history. (Available from National Technical Information Service, address on p. 9. Catalog No. COM-73-11450.)

San Fernando, California, Earthquake of February 9, 1971, Vol. I, Effects on Buildings, Part A and Part B (in two books) discusses damage to many types of structures (including earthquake-resistant, nonearthquake-resistant, instrumented, and noninstrumented structures; hospitals; and schools) and makes recommendations for improved performance of such buildings in future earthquakes. A section on soils and foundations contains eight papers that describe subsurface site conditions in the San Fernando earthquake area, slides in the San Fernando dams, effects on foundations of structures, and related subjects. (Available from Superintendent of Documents, address on p. 9. Stock No. 0317-0087. Price: \$20)

San Fernando, California, Earthquake of February 9, 1971, Vol. II, Utilities, Transportation, and Sociological Aspects is an in-depth study of damage to Los Angeles area power, telephone, telegraph, gas, and nuclear reactor facilities; water and sewerage systems; transportation systems (including airports, bridges, highways, and railroads); and sociological aspects of the earthquake. (Available from Superintendent of Documents, address on p. 9. Stock No. 03170088. Price: \$10)

San Fernando, California, Earthquake of February 9, 1971, Vol. III, Geological and Geophysical Studies includes papers on physical quantities that determine the earthquake's initial point of origin; the character and extent of ground rupture;

