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AUTHOR Buydos, John F., Comp.
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ABSTRACT

An earthquake is a shaking of the ground resulting from a disturbance in the earth's interior. Seismology is the (1) study of earthquakes; (2) origin, propagation, and energy of seismic phenomena; (3) prediction of these phenomena; and (4) investigation of the structure of the earth. Earthquake engineering or engineering seismology includes the study of the behavior of foundations and structures, materials used in their construction in response to earthquakes, and techniques that lessen the effects of earthquakes on structures. This publication lists relevant sources of information on earthquakes, seismology, and earthquake engineering. Listed in this bibliography are (1) introductory materials, (2) subject headings, (3) basic texts, (4) additional titles, (5) specialized titles, (6) handbooks, (7) bibliographies, (8) government publications, (9) conference proceedings, (10) abstracting and indexing services, (12) journals, (13) representative journal articles, (14) technical reports, (15) selected technical reports, (16) selected materials, and (17) additional sources of information. (CW)

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EARTHQUAKES AND EARTHQUAKE ENGINEERING Compiled by John P. Buydos

TB 89-8

October 1989

SCOPE: This Tracer Bullet lists relevant sources of information on earthquakes, seismology, and earthquake engineering. An earthquake is a shaking of the ground resulting from a disturbance in the earth's interior. Seismology is the study of earthquakes and of the origin, propagation, and energy of seismic phenomena, the prediction of these phenomena, and the investigation of the structure of the earth's interior by measuring and analyzing natural or artificially generated seismic signals. Earthquake engineering or engineering seismology includes the study of the behavior of foundations and structures, and of the materials used in their construction in response to earthquakes, as well as techniques that would lessen the effect of earthquakes on such structures.

This guide supersedes TB 74-1 in providing a review of the literature in the Library of Congress on earthquakes, seismology, and earthquake engineering. Not intended as a comprehensive bibliography, this compilation is designed--as the name implies--to put the reader "on target."

INTRODUCTIONS TO THE TOPIC

Bolt, Bruce A. Earthquakes. Rev. and updated. New York, W. H. Freeman, c1988. 282 p. QE534.2.B64 1988*
Bibliography: p. 267-269.

Scholz, Christopher H. Earthquake. In McGraw-Hill encyclopedia of science & technology. v. 5. New York, McGraw-Hill; c1987. p. 517-521. Q121.M3 1987*

*Available in reference collection, Science Reading Room

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SUBJECT HEADINGS used by the Library of Congress, under which books on earthquakes can be located in most card, book, and online catalogs, include the following:

EARTHQUAKE ENGINEERING (Highly relevant)
EARTHQUAKE INTENSITY (Highly relevant)
EARTHQUAKE PREDICTION (Highly relevant)
EARTHQUAKES (Highly relevant)

Use subdivision EARTHQUAKE under names of cities, e.g., LISBON, (PORTUGAL)--EARTHQUAKE, 1755; NEW MADRID (MO.)--EARTHQUAKE, 1811; SAN FRANCISCO, (CALIF.)--EARTHQUAKE, 1906
Use subdivision EARTHQUAKE EFFECTS under various headings for types of structures subject to earthquake forces, e.g., ARCH DAMS--EARTHQUAKE EFFECTS; BRICK HOUSES--EARTHQUAKE EFFECTS; BRIDGES--EARTHQUAKE EFFECTS; BUILDINGS--EARTHQUAKE EFFECTS; BUILDINGS, REINFORCED CONCRETE--EARTHQUAKE EFFECTS; DAMS--EARTHQUAKE EFFECTS; EARTH DAMS--EARTHQUAKE EFFECTS; ELECTRIC POWER-PLANTS--EARTHQUAKE EFFECTS; ELECTRIC POWER SYSTEMS--EARTHQUAKE EFFECTS; HARBORS--EARTHQUAKE EFFECTS; HIGH-RISE APARTMENT BUILDINGS--EARTHQUAKE EFFECTS; HISTORIC SITES--EARTHQUAKE EFFECTS; NUCLEAR POWER PLANTS--EARTHQUAKE EFFECTS; PIPE LINES--EARTHQUAKE EFFECTS; PRESSURE VESSELS--EARTHQUAKE EFFECTS; TALL BUILDINGS--EARTHQUAKE EFFECTS; TANKS--EARTHQUAKE EFFECTS; TELEPHONE LINES--EARTHQUAKE EFFECTS; UNDERGROUND CONSTRUCTION--EARTHQUAKE EFFECTS; UNDERGROUND UTILITY LINES--EARTHQUAKE EFFECTS

EARTHQUAKE ENGINEERING LABORATORIES (Relevant)
EARTHQUAKE RESISTANT DESIGN (Relevant)
SEISMOLOGY (Relevant)
EARTHQUAKE SIMULATORS (Related)
EARTHQUAKE SOUNDS (Related)
EARTHQUAKES AND HYDRAULIC STRUCTURES (Related)
EARTHQUAKES AND RAILROADS (Related)
INSURANCE, EARTHQUAKE (Related)
SEISMOMETRY (Related)
SOIL LIQUEFACTION (Related)
TSUNAMIS (Related)
EARTH MOVEMENTS (More general)
GEOPHYSICAL PREDICTION (More general)
MICROSEISMS (More general)
NATURAL DISASTERS (More general)
SEISMIC WAVES (More general)

BASIC TEXTS

Arnold, Christopher, and Robert Reitherman. Building configuration and seismic design. With the assistance of Eric Elsesser and Dianne Whitaker. New York, Wiley, c1982. 296 p. TA658.44.A76 1982*
Bibliography: p. 253-286.

- Ambrose, James E., and Dimitry Vergun. Seismic design of buildings. New York, Wiley, c1985. 289 p.
Bibliography: p. 279-280. TA658.44.A44 1985
- Bullen, K. E., and Bruce A. Bolt. An introduction to the theory of seismology. 4th ed. Cambridge, Eng., New York, Cambridge University Press, 1985. 499 p.
Bibliography: p. 474-488. QE534.2.B85 1985
- Carder, Dean S., ed. Earthquake investigations in the Western United States, 1931-1964. Washington, U.S. Dept. of Commerce, Coast and Geodetic Survey; U.S. Govt. Print. Off., 1965. 264 p. (United States. Coast and Geodetic Survey. Publication 41-2)
QE535.C28
- Davison, Charles. Great earthquakes. London, T. Murby & Co., 1936. 286 p.
QE534.D253
- Dowrick, David J. Earthquake resistant design: for engineers and architects. 2nd ed. Chichester, Eng., New York, Wiley, c1987. 519 p.
TA658.44.D67 1987*
- Gere, James M., and Haresh C. Shah. Terra non firma: understanding and preparing for earthquakes. New York, W. H. Freeman, 1984. 203 p.
QE534.2.G47 1984
Reprint. Originally published: Stanford, Calif., Stanford Alumni Association, c1984 (QE534.2.G47 1984t).
Bibliography: p. 189-191.
- Jaffe, Martin S., JoAnn Butler, and Charles Thurow. Reducing earthquake risks: a planner's guide. Chicago, American Planning Association, Planning Advisory Service, 1981. 82 p. (American Planning Association. Planning Advisory Service. Report, no. 364)
TA654.6.J34 1981*
Bibliography: p. 77-82.
- Kanai, Kiyoshi. Engineering seismology. Tokyo, University of Tokyo Press, c1983. 251 p.
TA654.6.K3513 1983
Enl. and rev. translation of Jishin kogaku.
- Okamoto, Shunzo. Introduction to earthquake engineering. 2nd ed. Tokyo, University of Tokyo Press, c1984. 629 p.
Bibliography: p. 589-619. TA654.6.035 1984*
- Wakabayashi, Minoru. Design of earthquake-resistant buildings. New York, McGraw-Hill, c1986. 309 p.
TA658.44.W34 1986

ADDITIONAL TITLES

- Advisory notes on lifeline earthquake engineering: a report. Prepared by the technical committees of the ASCE Technical Council on Lifeline Earthquake Engineering. New York, American Society of Civil Engineers, c1983. 232 p.
TA654.6.A37 1983
- Alesch, Daniel J., and William J. Petak. The politics and economics of earthquake hazard mitigation: unreinforced masonry buildings in Southern California. Boulder, Colo., Institute of Behavioral Science, University of Colorado, 1986. 273 p. (Program on environment and behavior, monograph #43)
Bibliography: p. 235-249.
TA654.6.A42 1986
- Berlin, Graydon Lennis. Earthquakes and the urban environment. Boca Raton, Fla., CRC Press, c1980. 3 v.
Includes bibliographical references. QE539.B48
- Crouch, Nathaniel. The general history of earthquakes. London, A. Bettesworth, 1734. 177 p.
QE533.C95 1734 Rare Bk. Coll.
- Davison, Charles. The founders of seismology. New York, Arno Press, 1978. 240 p. QE534.D25 1978
Reprint of the 1927 ed. published at the University Press, Cambridge.
Includes bibliographical references.
- Earthquake resistant design for civil engineering structures, earth structures and foundations in Japan. Compiled by the Japan Society of Civil Engineers. 6th ed. Tokyo, The Society, 1980. 255 p. TA658.44.E24 1980
Includes bibliographical references.
- Felt and damaging earthquakes. Séismes ressentis et destructeurs. 1976- Newbury, Eng., International Seismological Centre. annual. QE531.F44
English, French, and Russian.
Comprises, in tabular form, all of the information previously published in Bulletin of the International Seismological Centre.
- Guidebook to identify and mitigate seismic hazards in buildings. Sacramento, Calif., State of California, Seismic Safety Commission, 1987. 76 p. (Report, no. SSC 87-03)
TA654.6.G85 1987
- Kimball, Virginia. Earthquake ready. Technical advisor, Kate Hutton. 2nd ed. Santa Monica, Calif., Roundtable Pub., c1988. 225 p. QE539.K55 1988
Bibliography: p. 215-216.

Newmark, N. M., and Emilio Rosenblueth. Fundamentals of earthquake engineering. Englewood Cliffs, N.J., Prentice-Hall, 1971. 640 p. TA654.6.N49
Bibliography: p. 593-621.

Richter, C. F. Elementary seismology. San Francisco, W. H. Freeman, 1958. 768 p. QE534.R5
Includes bibliography.

SPECIALIZED TITLES

Brown, Alistair R. Interpretation of three-dimensional seismic data. 2nd ed. Tulsa, Okla., American Association of Petroleum Geologists, 1988. 253 p. (AAPG memoir, 42)
Includes bibliographies. QE539.B78 1988

Claerbout, Jon F. Imaging the earth's interior. Oxford, Eng., Boston, Blackwell Scientific Publications, 1985. 398 p. QE539.C53 1985
Bibliography: p. 386-391.

Earthquake prediction: an international review. Edited by David W. Simpson and Paul G. Richards. Washington, American Geophysical Union, 1981. 680 p. (Maurice Ewing series, 4) QE538.8.E35 1981
Includes bibliographies.

Historical seismograms and earthquakes of the world. Edited by W. H. K. Lee, H. Meyers, K. Shimazaki. San Diego, Academic Press, 1988. 513 p. QE531.H57 1988
Papers presented at the Symposium on Historical Seismograms and Earthquakes, held Aug. 27-28, 1985 in Tokyo, Japan.
Includes bibliographies.

Housner, G. W., and Paul C. Jennings. Earthquake design criteria. Berkeley, Calif., Earthquake Engineering Research Institute, 1982. 140 p. (Engineering monographs on earthquake criteria, structural design, and strong motion records, v. 4) TA658.44.H68 1982
Bibliography: p. 139-140.

Mogi, Kiyoo. Earthquake prediction. Tokyo, Orlando, Fla., Academic Press, 1985. 355 p. QE538.8.M6313 1985
Includes bibliographies.
Revised translation of Nihon no jishin yochi.

National Research Council. Committee on the Alaska Earthquake. The great Alaska earthquake of 1964. Washington, National Academy of Sciences, 1968-1973. 8 v. (National Academy of Sciences, Washington, D.C. Publication, 1601-1608) QE535.2.U6N37 1968



Regional catalogue of earthquakes. Catalogue régional de séismes. Regionalnyi katalog zemletriasenii. 1964-Edinburgh, International Seismological Centre. semi-annual. QE532.R43
English, French, and Russian.

Seed, H. Bolton, and I. M. Idriss. Ground motions and soil liquefaction during earthquakes. Berkeley, Calif., Earthquake Engineering Research Institute, 1982. 134 p. (Engineering monographs on earthquake criteria, structural design, and strong motion records, v. 5) TA654.6.S4 1982
Bibliography: p. 127-134.

Seismic design of concrete structures. Prepared by Comité euro-international du béton (CEB). Edited by P. E. Pinto. Aldershot, Eng., Gower Technical Press; Brookfield, Vt., Gower Pub. Co., c1987. 298 p. TA658.44.S4 1987
"Based on CEB bulletins no. 160 bis and 165."
Bibliography: p. 298.

Seismic strong motion synthetics. Edited by Bruce A. Bolt. Orlando, Fla., Academic Press, 1987. 328 p. (Computational techniques, v. 4) TA654.6.S454 1987
Includes bibliographies.

Seismic tomography: with applications in global seismology and exploration geophysics. Edited by Guust Nolet. Dordrecht, Holland, Boston, D. Reidel; Norwell, Mass., sold and distributed in the U.S.A. and Canada by Kluwer Academic Publishers, c1987. 386 p. QE538.5.S429 1987
Bibliography: p. 367-381.

Structures and stochastic methods. Edited by A. S. Cakmak. Amsterdam, New York, Elsevier; Southampton, Boston, Computational Mechanics Publications; New York, distributors for the U.S. and Canada, Elsevier Science Pub. Co., 1987. 489 p. (Developments in geotechnical engineering, 45) TA654.6.S868 1987
Selected papers from the 3rd International Conference on Soil Dynamics and Earthquake Engineering, held in Princeton, N.J., June 22-24, 1987.
Includes bibliographies.

HANDBOOKS

Lindeburg, Michael R. Seismic design for the California civil professional engineering examination. San Carlos, Calif., Professional Engineering Registration Program, c1980. 104 p. TA654.6.L56

Seismic design for existing structures. Detroit, American Concrete Institute, c1986. 1 v. (various pagings) (Seminar course manual, SCM-14(86)) TA658.44.S39 1986

- Simon, Ruth B. Earthquake interpretations: a manual for reading seismograms. Los Altos, Calif., W. Kaufmann, c1981. 150 p. QE534.2.S55 1981
Bibliography: p. 120-122.
- Stratta, James L. Manual of seismic design. Englewood Cliffs, N.J., Prentice-Hall, c1987. 272 p. TA658.44.S75 1987*

BIBLIOGRAPHIES

- Ballast, David Kent. Advances in seismic building design. Monticello, Ill., Vance Bibliographies, 1988. 9 p. (Architecture series--bibliography, A2084) Z7914.B9B343 1988
- Earthquake public information materials: an annotated bibliography. By Southern California Earthquake Preparedness Project. Chicago, CPL Bibliographies, 1983. 43 p. (CPL bibliography, no. 105) Z6033.E1E23 1983
- Hollis, Edward P. Bibliography of earthquake engineering. Compiled by Edward P. Hollis. 3d ed. Oakland, Calif., Earthquake Engineering Research Institute, 1971. 247 p. Z6033.E1H64 1971
Editions of 1954 and 1958, entered under Earthquake Engineering Research Institute, were published under title Bibliography of Engineering Seismology.
- Moe, Christine. Earthquakes. Monticello, Ill., Vance Bibliographies, 1980. 22 p. (Public administration series--bibliography, P-512) Z6033.E1M68
- Tyckoson, David A. Earthquake prediction. Phoenix, Ariz., Oryx Press, 1986. 67 p. (Oryx science bibliographies, v. 5) Z6033.E1T9 1986*
- Vance, Mary A. Earthquakes and buildings. Monticello, Ill., Vance Bibliographies, 1981. 88 p. (Architecture series--A-521) Z6033.E1V36 1981
A revision of Architecture series bibliography A-276.
- Weeks, Ellen J., and Barclay G. Jones. The social and economic aspects of earthquakes and other natural disasters: risk assessment, hazard mitigation, emergency management, reconstruction, and recovery. Monticello, Ill., Vance Bibliographies, 1983. 92 p. (Public administration series--bibliography, P-1260) Z6033.E1W43 1983

GOVERNMENT PUBLICATIONS

- Coffman, Jerry L., and Carl A. Von Hake. Earthquake history of the United States. Rev. ed. (through 1970). Boulder, Colo., Environmental Data Service; Washington, U.S. Govt. Print. Off., 1973. 208 p. (United States. Coast and Geodetic Survey. Publication, 41-1) QE535.C63 1973
Bibliography: p. 186-189.
- Coffman, Jerry L. Earthquake history of the United States. (1971-76 supplement.) Boulder, Colo., U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration; U.S. Dept. of the Interior, Geological Survey; Washington, U.S. Govt. Print. Off., 1979. 41 p. (United States. Coast and Geodetic Survey. Publication, 41-1) QE535.2.U6C63
Includes bibliographical references.
- Poppe, Barbara B. Historical survey of U.S. seismograph stations. Washington, U.S. Govt. Print. Off., 1979. 389 p. (Geological survey professional paper, 1096) QE540.U6P66
- Directory of world seismograph stations. v. I. The Americas. World Data Center A for Solid Earth Geophysics. Boulder, Colo., The Center, U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, 1980- (Report SE-25) QE500.W67a no. 25
Contents: v. 1, pt. 1. United States, Canada, Bermuda.
Note: LC copy missing
- United States earthquakes. 1928- Washington, U.S. Geological Survey; U.S. Govt. Print. Off. annual. QE535.2.U6U55

CONFERENCE PROCEEDINGS

- Earthquake prognostics: hazard assessment, risk evaluation, and damage prevention: proceedings from the 2nd international seminar held in Berlin, June 24-27, 1986. Andreas Vogel and Klaus Brandes, eds. Braunschweig, F. Vieweg, c1988. 534 p. (Progress in earthquake prediction research, v. 3) QE538.8.E375 1988
"This volume comprises the contributions presented at the Second International Seminar on Earthquake Prognostics held in Berlin in June 1986, organized by the Mathematical Geophysics Group of the Free University."
Includes bibliographies.

Earthquakes and earthquake engineering: the eastern United States: assessing the hazard--evaluating the risk. Edited by James E. Beavers. Ann Arbor, Mich., Ann Arbor Science Publishers, c1981. 2 v. (1189 p.) QE535.2.U6E273*
Proceedings of a conference held in Knoxville, Tenn., Sept. 14-16, 1981.
Includes bibliographical references.

The Mexico earthquakes, 1985: factors involved and lessons learned: proceedings of the international conference, Camino Real Hotel, Mexico City, Mexico, September 19-21, 1986. Sponsored by the Mexico Section, ASCE and others. Edited by Michael A. Cassaro and Enrique Martinez Romero. New York, American Society of Civil Engineers, c1987. 474 p. TA654.6.M49 1987
Includes bibliographies.

Practical approaches to earthquake prediction and warning. Edited by C. Kisslinger and T. Rikitake. Dordrecht, Boston, D. Reidel Pub. Co.; Hingham, Mass., sold and distributed in the U.S.A. by Kluwer Academic Publishers, c1985. p. 203-686. QE538.8.P73 1985
Proceedings of a seminar sponsored by the Japan Society for the U.S. Promotion of Science and the National Science Foundation, held in Tokyo and Tsukuba, Japan, Nov. 7-11, 1983.
"Reprinted from Earthquake Prediction Research, vol. 3, nos. 3-4 (1985)."
Includes bibliographies.

Seismic design and construction of complex civil engineering systems: proceedings of a symposium sponsored by the Technical Council on Lifeline Earthquake Engineering of the American Society of Civil Engineers in conjunction with the ASCE National Convention in St. Louis, Missouri, October 27, 1988. Edited by Michael A. Cassaro and James D. Cooper. New York, American Society of Civil Engineers, c1988. 104 p. TA654.6.S437 1988
Includes bibliographies.

Seismic evaluation of lifeline systems: case studies: proceedings of a session. Sponsored by the Technical Council of Lifeline Earthquake Engineering of the American Society of Civil Engineers in conjunction with the ASCE Convention in Boston, Massachusetts, October 27, 1986. Edited by Leon R. L. Wang and Robert V. Whitman. New York, The Society, c1986. 81 p. TA654.6.S439 1986
Includes bibliographies.

Structures Congress '89 (1989: San Francisco, Calif.).
Seismic engineering, research and practice: proceedings of
the sessions related to seismic engineering at Structures
Congress '89, San Francisco Hilton, San Francisco, Calif.,
May 1-5, 1989. Sponsored by the American Society of Civil
Engineers. Edited by Charles A. Kircher and Anil K.
Chopra. New York, The Society, c1989. 936 p.
Includes bibliographies. TA654.6.S87 1989

ABSTRACTING AND INDEXING SERVICES which index relevant journal
articles and other literature include:

Abstracts of North American Geology (1966-1971)

Z6034.N65A2*

See: Earthquakes

Applied Science & Technology Index (1913-) Z7913.I7*

See: All headings beginning Earthquake(s)

Aftershocks

Microseisms

Seismological Stations

Bibliography and Index of Geology (1933-) Z6031.G4*

See: Earthquakes

Current Technology Index (1962-) Z7913.B7*

See: Earthquakes

Engineering Index (1884-) Z5851.E62*

See: Earthquakes

General Science Index (1978-) Z7401.G46*

See: Earthquakes

Earthquakes and Building

Seismometers and Seismometry

Geological Abstracts. Geophysics & Tectonics Abstracts
(1982-) QE500.G395*

See: Seismic theory

Seismometry

Seismic Surveys

Earthquake Theory, Measurement and Prediction

Earthquake Activity

Geophysical Abstracts (1929-1971) QE500.U5

See: Earthquakes

International Aerospace Abstracts (1961-) TL500.I57*

See: Earthquakes

Note: Consult reference librarian for location of abstracting and
indexing services in the Science Reading Room

Magazine Index (1980-) Available in several formats at LC
See: Earthquakes

Oceanic Abstracts (1964-) GC1.024*
See: Earthquakes

Readers' Guide to Periodical Literature (1900-) AI3.R45
See: All headings beginning Earthquake(s)

JOURNALS that often contain articles relevant to earthquakes are

Abstract Journal in Earthquake Engineering TA658.44.A25
American Geophysical Union. Transactions QE500.A6
Earthquake Engineering and Structural Dynamics TA654.6.E37
Earthquake Spectra TA654.6.E384
Earthquakes & Volcanoes QE531.N32a
ENR TA1.E6
Geology QE1.G528
Geophysics QE500.G4
Geotectonics QE500.G44
Geotimes QE1.G56
Journal of Geodynamics QE500.J64
Journal of Physics of the Earth QE500.J65
Seismological Society of America. Bulletin QE531.S3
Tectonophysics QE500.T4

REPRESENTATIVE JOURNAL ARTICLES

- Ambraseys, N. N. Engineering seismology. Earthquake engineering and structural dynamics, v. 17, Sept. 1988: 1-105. TA654.6.E37
- Cheng, Franklin Y., and D. S. Juang. Recursive optimization for seismic steel frames. Journal of structural engineering, v. 115, Feb. 1989: 445-466. TA1.A5235
- De Alba, Pedro A., and others. Analyses of dam failures in 1985 Chilean earthquake. Journal of geotechnical engineering, v. 114, Dec. 1988: 1414-1434. TA705.A525a
- Dowling, Michael J., and John F. Hall. Nonlinear seismic analysis of arch dams. Journal of engineering mechanics, v. 115, Apr. 1989: 768-789. TA1.A5233
- Iglesias, J. The Mexico earthquake of September 19, 1985-- Seismic zoning of Mexico City after the 1985 earthquake. Earthquake spectra, v. 5, Feb. 1989: 257-271. TA654.6.E384
- Jun, Yang. Comprehensive tidal observation and unified prediction of earthquakes. Earthquake research in China, v. 1, no. 1, 1987: 65-70. QE531.C482

Lay, Thorne, and Terry C. Wallace. Multiple ScS attenuation and travel times beneath western North America. In Seismological Society of America. Bulletin, v. 78, Dec 1988: 2041-2061. QE531.93

TECHNICAL REPORTS and other types of literature are indexed in the following guides:

Government Reports Announcements & Index (1946-) Z7916.G78*
See: Earthquakes

Monthly Catalog of United States Government Publications (1895-) Z1233.A18*
See: Earthquake(s)

Scientific & Technical Aerospace Reports (1963-) TL500.S35*
See: Earthquake(s)

SELECTED TECHNICAL REPORTS, sold by the National Technical Information Service, Springfield, Virginia 22161, include the following:

Benson, William E., and Joseph W. Berg. Probabilistic seismic hazard analysis. Washington, National Research Council, Commission on Physical Sciences, Mathematics, and Resources, 1988. 7 p. (AFOSR-IR-88-1263) (AFOSR-ISSA-88-0063) AD-A203074**

Bernreuter, D. L., and others. Seismic hazard characterization of 59 nuclear plant sites east of the Rocky Mountains. Methodology, input data and comparisons to previous results for ten test sites. Livermore, Calif.. Lawrence Livermore National Laboratory, Jan. 1989. 350 p. (UCID-2517V1) NUREG/CR-5250-V1**

Bolton, P. A., and others. Land use planning for earthquake hazard mitigation: a handbook for planners. Boulder, Colo., University of Colorado at Boulder, 1986. 134 p. (NSF/ENG-86033) PB87-173894**

Lee, V. W., and M. D. Trifunac. Selection of earthquake resistant design criteria for nuclear power plants-- methodology and technical cases. Arcadia, Calif., Structural and Earthquake Engineering Consultants, Inc., May 1987. 341 p. (TI87 900766) NUREG/CR-4903-V1**

**Available in microform collection, Science Reading Room

Seeber, L., and J. G. Armbruster. Study of earthquake hazards in New York State and adjacent areas. Final report covering the period 1982-1985. Palisades, N.Y., Lamont-Doherty Geological Observatory, Columbia University, Oct. 1986. 110 p. NUREG/CR-4750**

SELECTED MATERIALS available in the Science Reading Room pamphlet boxes include:

Cornell, C. Allin. On the seismology-engineering interface. Seismological Society of America. Bulletin, v. 78, Apr. 1988: 1020-1026.

Frohlich, Cliff. Deep earthquakes. Scientific American, v. 260, Jan. 1989: 48-55.

Hatcher, Robert D., Jr., Isidore Zietz, and Joe J. Litehiser. Crustal subdivisions of the eastern and central United States and a seismic boundary hypothesis for eastern seismicity. Geology, v. 15, June 1987: 528-532.

Richter, Hans L. Post-quake lessons for power utilities. IEEE spectrum, v. 25, Dec. 1988: 46-48.

Scawthorn, Charles, Frank T. Blackburn, and Donald W. Seagraves. Earthquakes, fires & urban areas--all the ingredients for a disaster. Fire journal, v. 82, July/Aug. 1988: 20-30.

Soft soils over hard rocks may put New York at risk of earthquakes too. New scientist, v. 122, May 27, 1989: 40.

Stein, Ross S., and Robert S. Yeats. Hidden earthquakes. Scientific American, v. 260, June 1989: 48-57.

U.S. Geological Survey Staff. The Loma Prieta, California, earthquake: an anticipated event. Science, v. 247, Jan. 19, 1990: 286-293.

West, Michael W. Dams and earthquakes: a shaky relationship. Civil engineering, v. 58, Apr. 1988: 64-67.

ADDITIONAL SOURCES OF INFORMATION

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Denver Federal Center, Box 25046
Denver, CO 80225
Telephone: (303) 236-1500 or 236-1510

U.S. Geological Survey
Geologic Inquiries Group
Geologic Division
907 National Center
Reston, VA 22092
Telephone: (703) 648-4383